

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060498.D
 Acq On : 6 Dec 2018 10:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Dec 07 03:46:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1709793	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2388007	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1891287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	936675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	611605	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	6.33	113	909854	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	9.45	98	2699250	53.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.42	95	931820	51.30	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.60%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	803181	49.307	ug/l	99
3) Chloromethane	1.77	50	808840	46.043	ug/l	97
4) Vinyl Chloride	1.87	62	677644	48.333	ug/l	97
5) Bromomethane	2.18	94	186646	53.214	ug/l	95
6) Chloroethane	2.28	64	220000	48.054	ug/l	94
7) Trichlorofluoromethane	2.53	101	772168	47.698	ug/l	100
8) Diethyl Ether	2.85	74	132365	47.337	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	485196	46.192	ug/l	97
10) Methyl Iodide	3.26	142	560664	45.664	ug/l	96
11) Tert butyl alcohol	3.99	59	122525	248.853	ug/l #	92
12) 1,1-Dichloroethene	3.09	96	383942	44.926	ug/l	98
13) Acrolein	3.00	56	159016	295.574	ug/l	98
14) Allyl chloride	3.55	41	771506	47.581	ug/l	97
15) Acrylonitrile	4.10	53	686725	245.641	ug/l	95
16) Acetone	3.17	43	505298	260.119	ug/l	98
17) Carbon Disulfide	3.33	76	1303855	46.969	ug/l	99
18) Methyl Acetate	3.56	43	202105	43.776	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	1134030	47.850	ug/l	99
20) Methylene Chloride	3.73	84	854395	47.695	ug/l	95
21) trans-1,2-Dichloroethene	4.12	96	934134	50.250	ug/l	95
22) Diisopropyl ether	4.86	45	2811062	48.287	ug/l	99
23) Vinyl Acetate	4.81	43	7074445	245.268	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1497240	49.506	ug/l	98
25) 2-Butanone	5.62	43	1001758	262.115	ug/l	99
26) 2,2-Dichloropropane	5.59	77	1188527	50.871	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	937277	49.587	ug/l	99
28) Bromochloromethane	5.93	49	685199	51.143	ug/l	92
29) Tetrahydrofuran	5.96	42	519755	240.159	ug/l	99
30) Chloroform	6.10	83	1487268	48.812	ug/l	99
31) Cyclohexane	6.37	56	1341570	52.030	ug/l	100
32) 1,1,1-Trichloroethane	6.30	97	1251937	49.981	ug/l	97
36) 1,1-Dichloropropene	6.53	75	1132037	48.497	ug/l	99
37) Ethyl Acetate	5.70	43	486747	48.082	ug/l	97
38) Carbon Tetrachloride	6.51	117	1039566	49.608	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1313577	49.364	ug/l	98
40) Benzene	6.79	78	2938469	49.257	ug/l	100
41) Methacrylonitrile	5.93	41	259484m	47.550	ug/l	
42) 1,2-Dichloroethane	6.90	62	736233	48.539	ug/l	100
43) Isopropyl Acetate	8.35	43	619547	49.578	ug/l	99
44) Trichloroethene	7.74	130	874830	49.070	ug/l	99 MMDadoda
45) 1,2-Dichloropropane	8.10	63	728642	49.385	ug/l	100
46) Dibromomethane	8.22	93	419684	49.232	ug/l	98
47) Bromodichloromethane	8.50	83	1007029	49.787	ug/l	99
48) Methyl methacrylate	8.24	41	376183	50.876	ug/l	97
49) 1,4-Dioxane	8.23	88	71515	1067.161	ug/l #	88 12/7/2018 5:03:22 PM
51) 4-Methyl-2-Pentanone	9.34	43	1946317	250.385	ug/l	100
52) Toluene	9.55	92	1811672	48.588	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	856298	51.522	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	1116743	51.141	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	493536	47.531	ug/l	97
56) Ethyl methacrylate	10.03	69	476962	50.755	ug/l	99
57) 1,3-Dichloropropane	10.38	76	786209	48.980	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	1367290	243.167	ug/l	99
59) 2-Hexanone	10.48	43	1461475	268.983	ug/l	98
60) Dibromochloromethane	10.64	129	668084	51.461	ug/l	99
61) 1,2-Dibromoethane	10.76	107	533631	50.429	ug/l	98
64) Tetrachloroethene	10.25	164	812605	48.522	ug/l	98
65) Chlorobenzene	11.31	112	1974602	49.351	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	644152	49.949	ug/l	99
67) Ethyl Benzene	11.43	91	3324829	48.717	ug/l	100
68) m/p-Xylenes	11.57	106	2420938	95.884	ug/l	99
69) o-Xylene	11.93	106	1173408	48.766	ug/l	95
70) Styrene	11.96	104	1910586	49.468	ug/l	99
71) Bromoform	12.12	173	431125	50.108	ug/l	98
73) Isopropylbenzene	12.27	105	3268561	49.313	ug/l	99
74) N-amyl acetate	12.14	43	789430	49.280	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	508382	47.909	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	524318	49.403	ug/l	100
77) Bromobenzene	12.54	156	854716	49.058	ug/l	98
78) n-propylbenzene	12.64	91	3925276	46.848	ug/l	100
79) 2-Chlorotoluene	12.71	91	2219643	48.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	2548875	50.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	149843	50.622	ug/l	99
82) 4-Chlorotoluene	12.82	91	2479170	48.549	ug/l	99
83) tert-Butylbenzene	13.05	119	2832395	49.877	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	2539552	48.425	ug/l	100
85) sec-Butylbenzene	13.22	105	3443671	48.654	ug/l	100
86) p-Isopropyltoluene	13.35	119	2731474	48.683	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	1496256	47.432	ug/l	94
88) 1,4-Dichlorobenzene	13.40	146	1481661	47.878	ug/l	99
89) n-Butylbenzene	13.65	91	2686209	47.934	ug/l	100
90) Hexachloroethane	13.86	117	709900	50.463	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1199285	46.521	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	63063	49.047	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	987827	49.017	ug/l	97
94) Hexachlorobutadiene	14.88	225	707146	47.559	ug/l	99
95) Naphthalene	14.97	128	1196853	49.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	796790	49.620	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

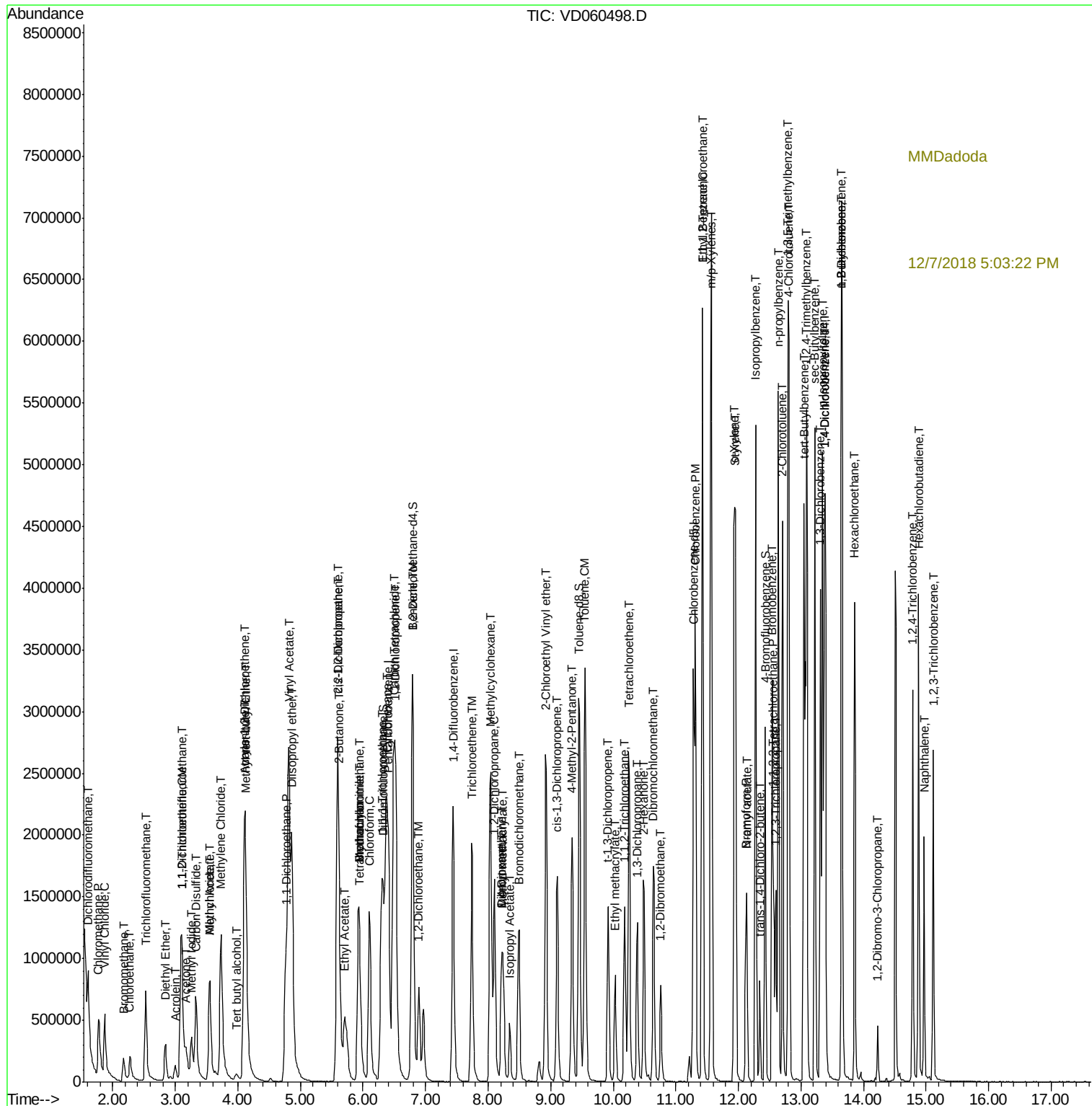
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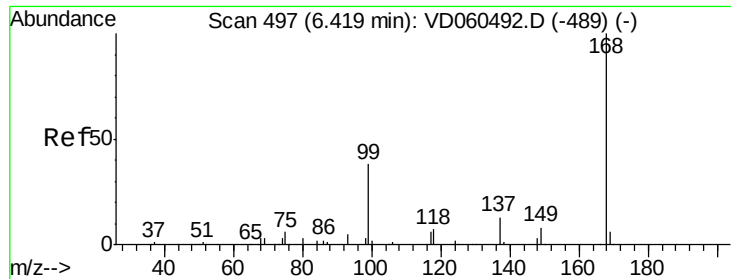
Manual Integrations
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Quant Time: Dec 07 03:46:30 2018
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Response via : Initial Calibration



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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1709793

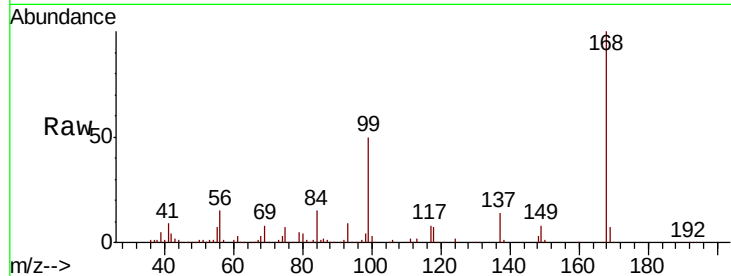
Ion Ratio Lower Upper

168 100

99 50.2 35.6 53.4

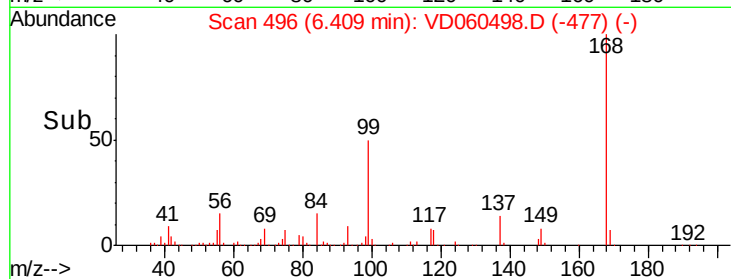
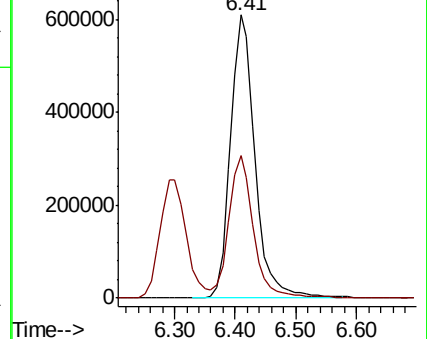
Manual Integrations

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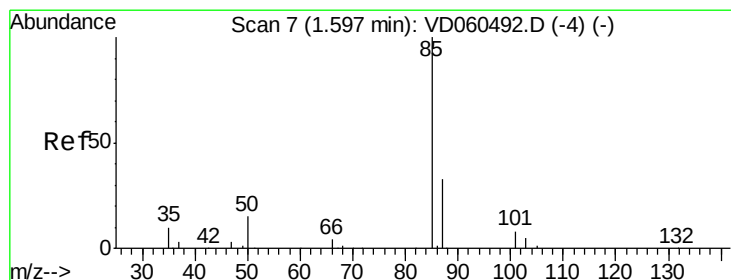
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



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#2

Dichlorodifluoromethane

Concen: 49.307 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060498.D

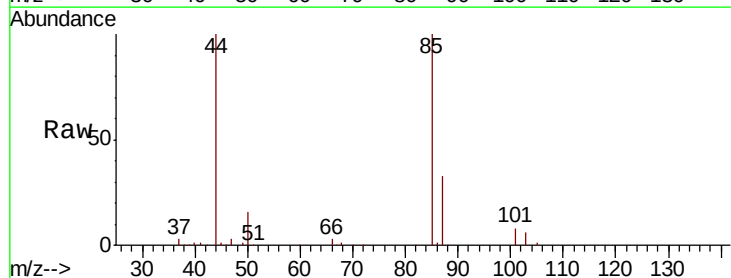
Acq: 6 Dec 2018 10:59

Tgt Ion: 85 Resp: 803181

Ion Ratio Lower Upper

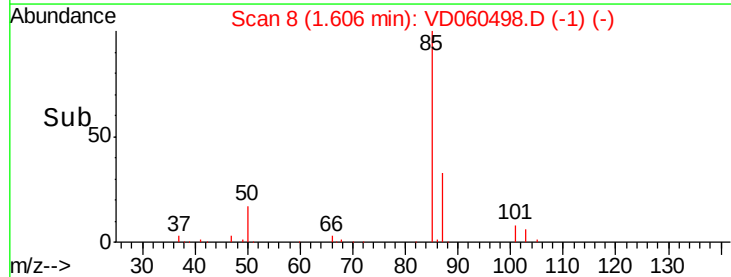
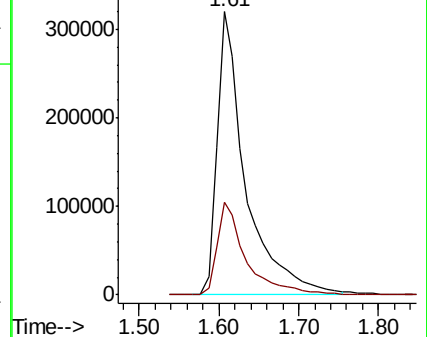
85 100

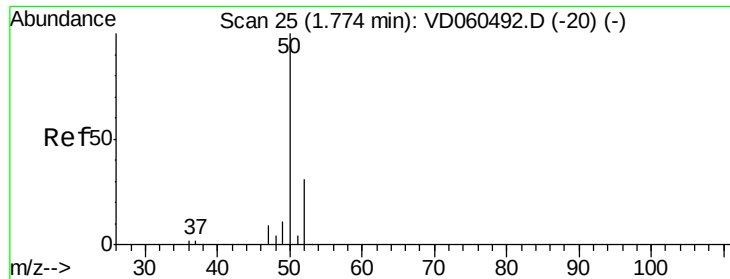
87 32.8 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.043 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

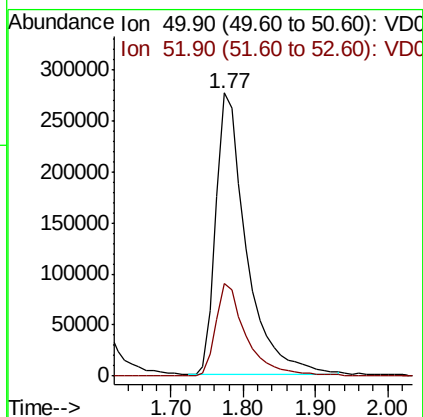
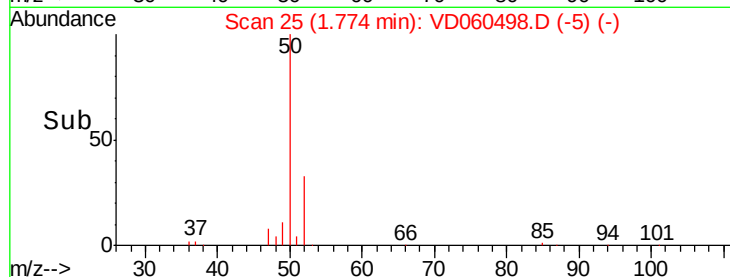
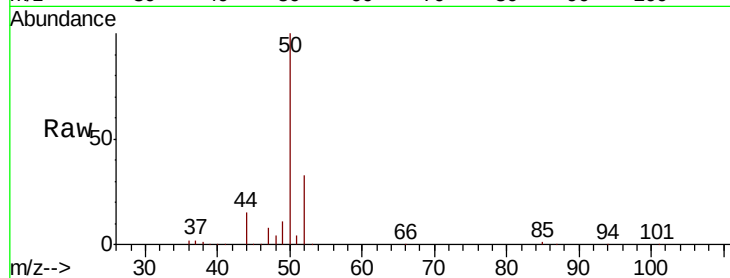
Tot Ion: 50 Resp: 808840

Ion Ratio Lower Upper

50 100

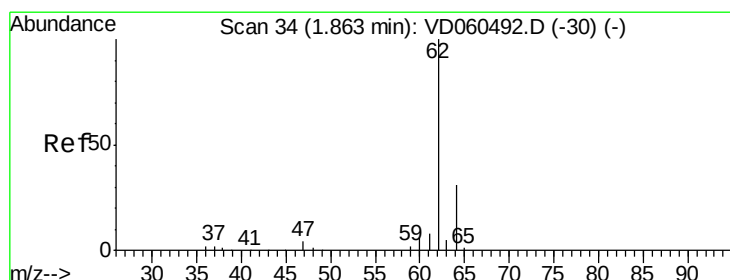
52 32.7 25.0 37.4

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#4

Vinyl Chloride

Concen: 48.333 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060498.D

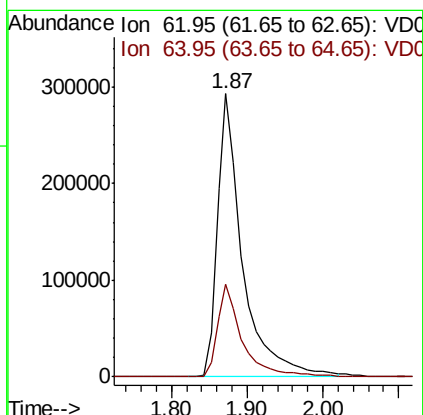
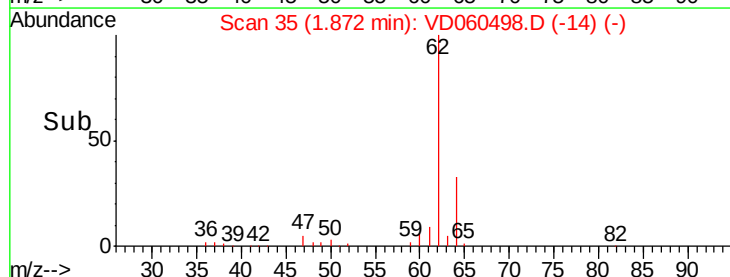
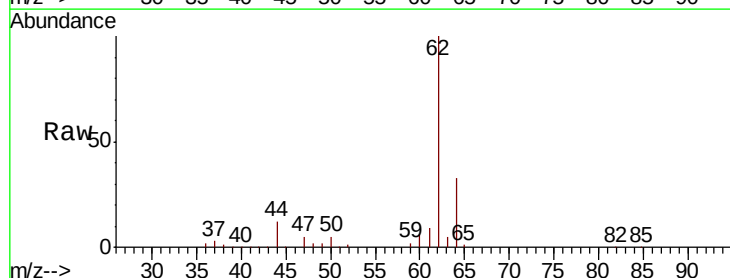
Acq: 6 Dec 2018 10:59

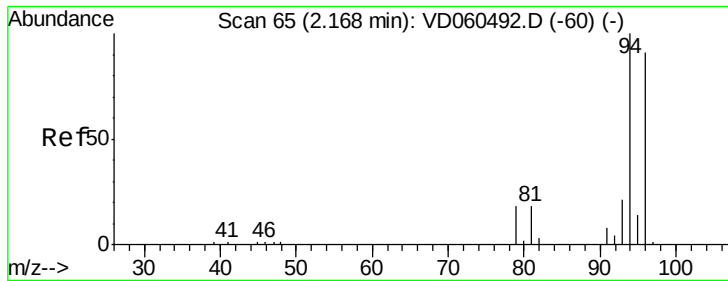
Tgt Ion: 62 Resp: 677644

Ion Ratio Lower Upper

62 100

64 32.7 24.6 37.0





#5

Bromomethane

Concen: 53.214 ug/l

RT: 2.18 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

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ClientSampleId :

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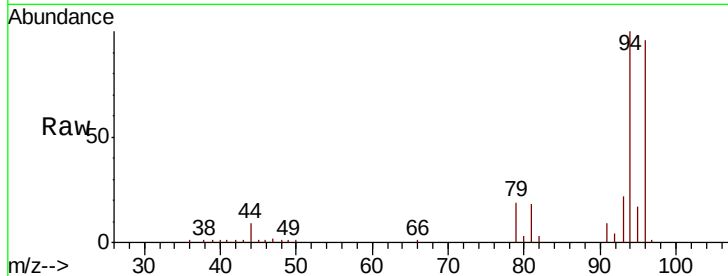
Tot Ion: 94 Resp: 186646

Ion Ratio Lower Upper

94 100

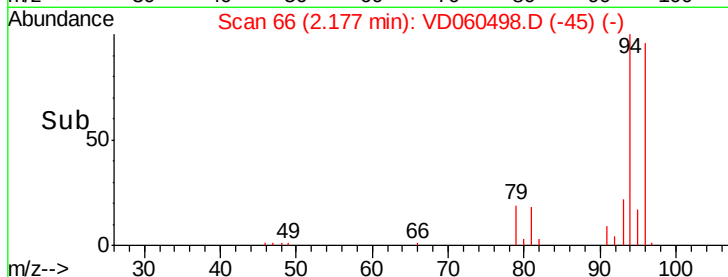
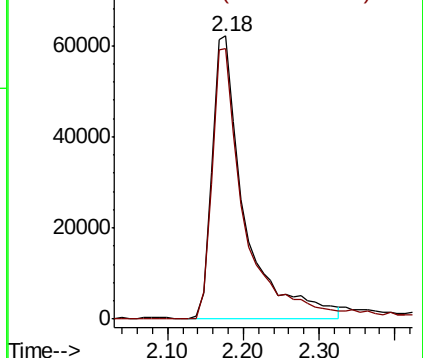
96 95.5 72.6 108.8

Manual Integrations
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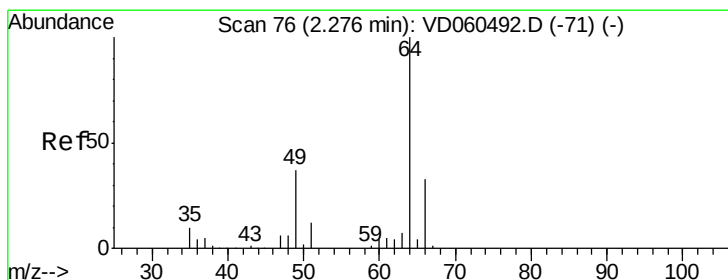
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



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#6

Chloroethane

Concen: 48.054 ug/l

RT: 2.28 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060498.D

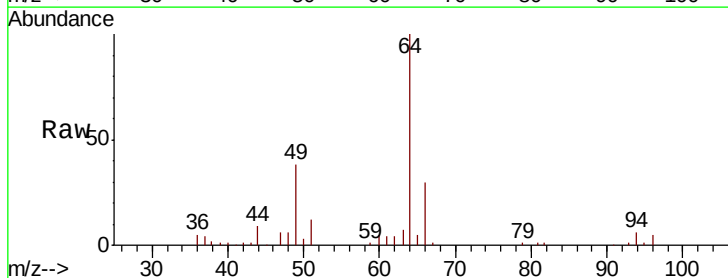
Acq: 6 Dec 2018 10:59

Tgt Ion: 64 Resp: 220000

Ion Ratio Lower Upper

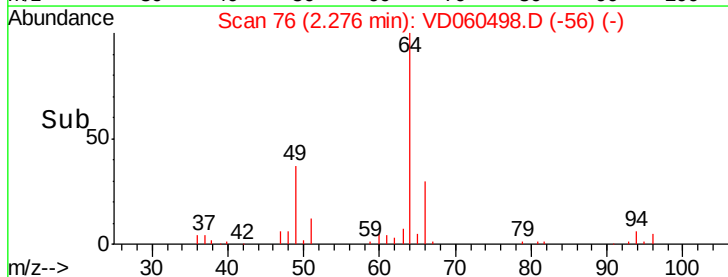
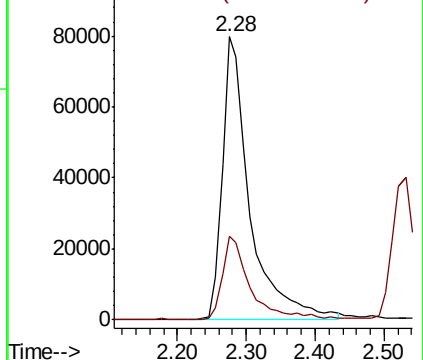
64 100

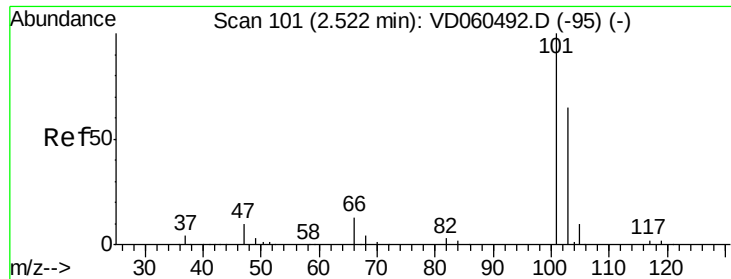
66 29.6 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





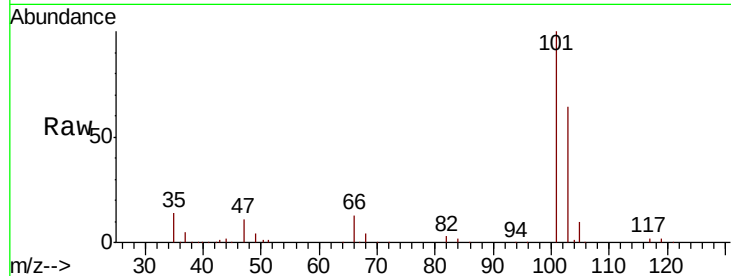
#7

Trichlorofluoromethane
Concen: 47.698 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

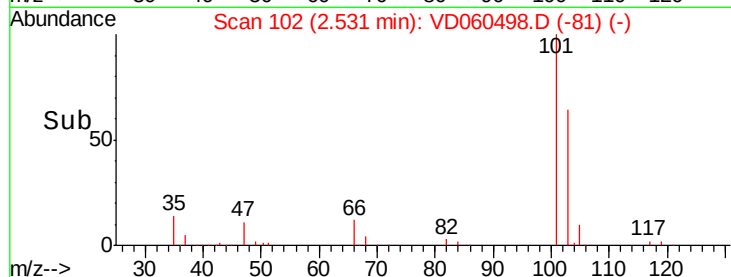
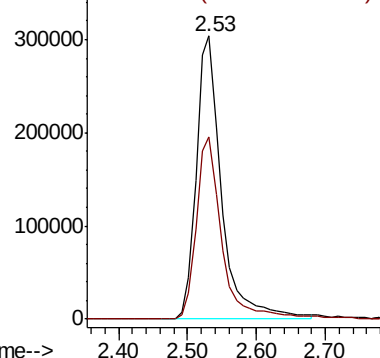
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 772168
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

Manual Integrations
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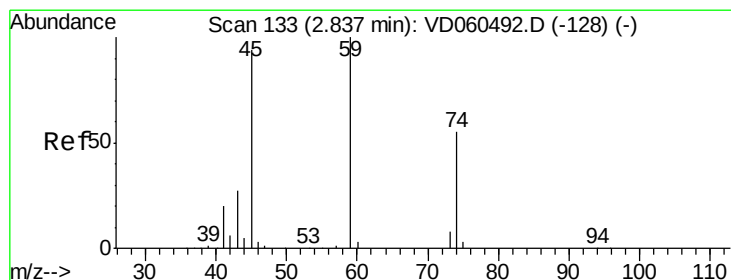


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



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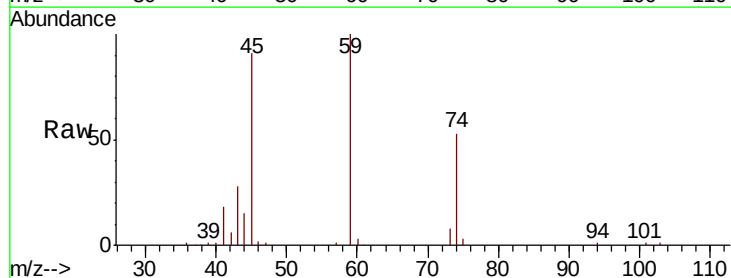
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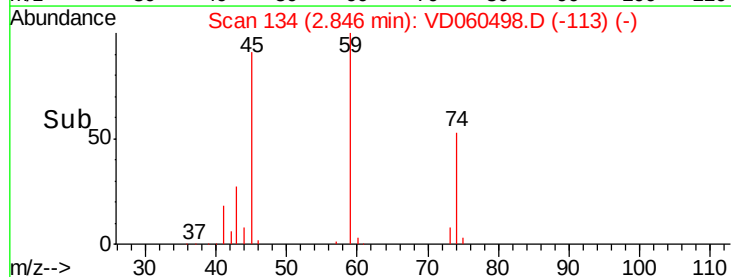
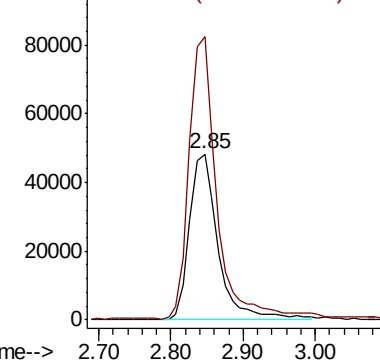
#8

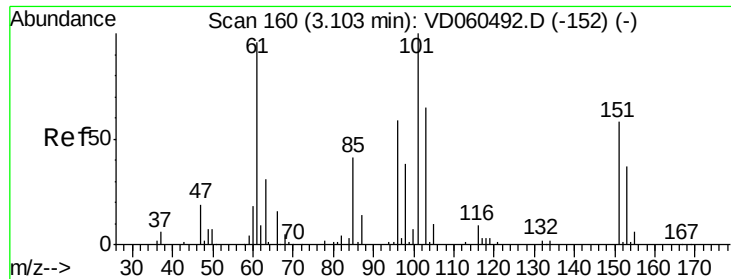
Diethyl Ether
Concen: 47.337 ug/l
RT: 2.85 min Scan# 134
Delta R.T. 0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 74 Resp: 132365
Ion Ratio Lower Upper
74 100
45 170.6 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.192 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

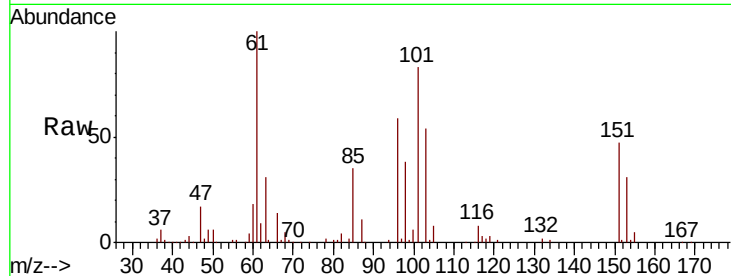
MSVOA_D

ClientSampleId :

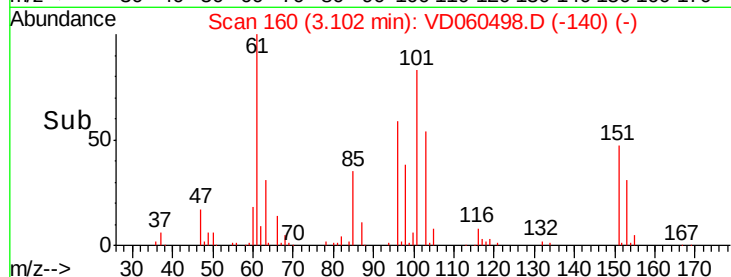
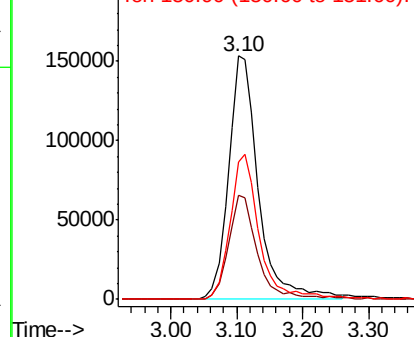
VSTDCCC050

Tot Ion:	101	Resp:	485196
Ion Ratio	Lower	Upper	
101	100		
85	42.6	32.7	49.1
151	56.2	46.6	69.8

Manual Integrations
APPROVED

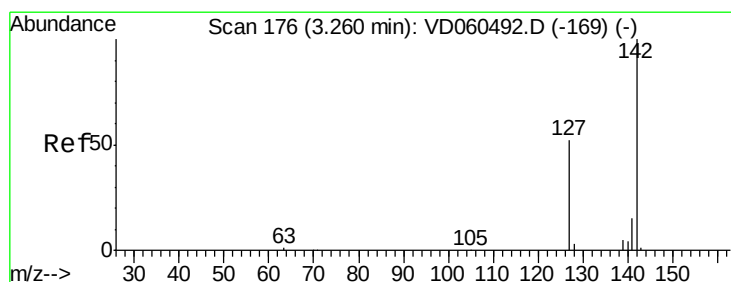


Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



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#10

Methyl Iodide

Concen: 45.664 ug/l

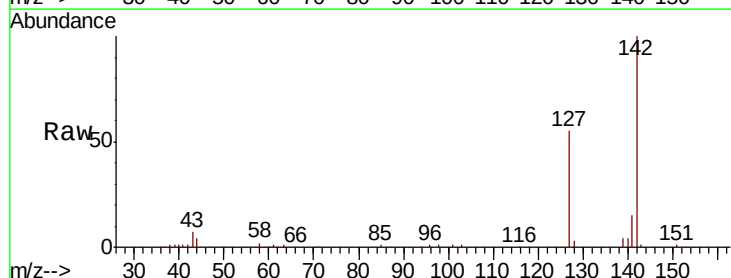
RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

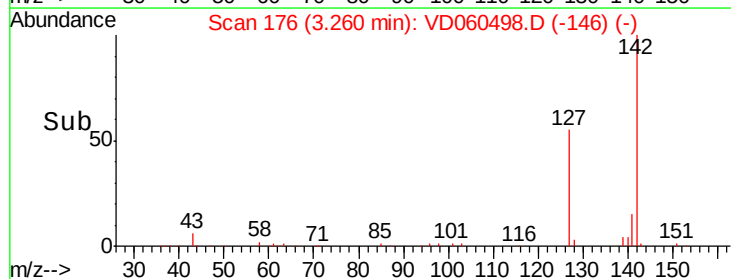
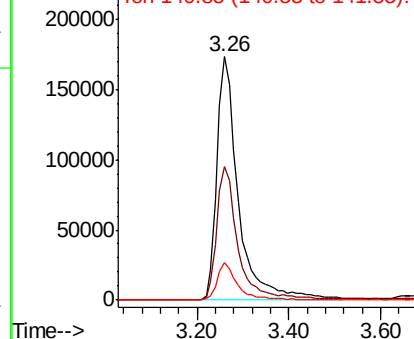
Lab File: VD060498.D

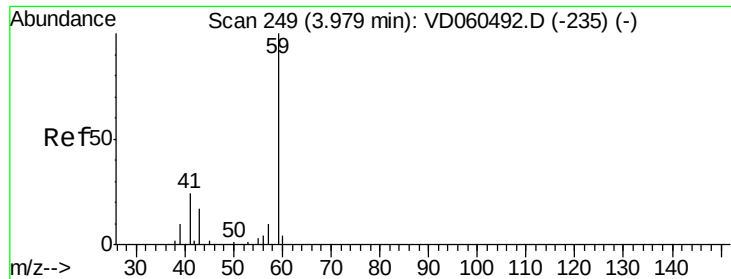
Acq: 6 Dec 2018 10:59

Tgt Ion:	142	Resp:	560664
Ion Ratio	Lower	Upper	
142	100		
127	55.1	41.2	61.8
141	15.3	11.9	17.9



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



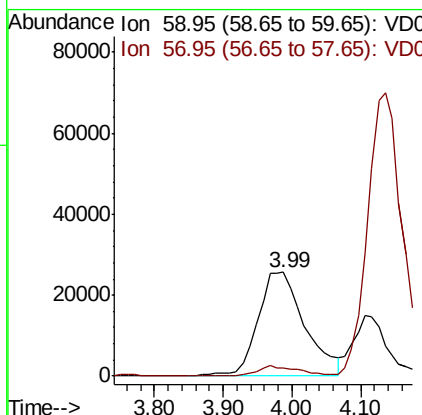
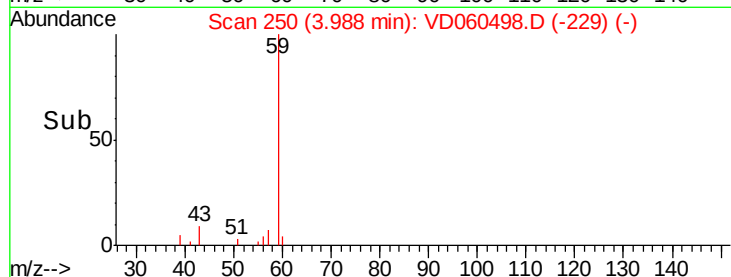
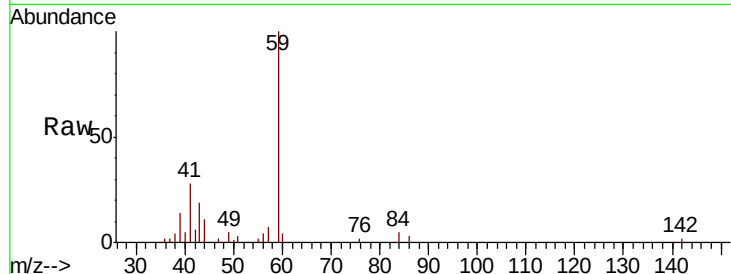


#11
Tert butyl alcohol
Concen: 248.853 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

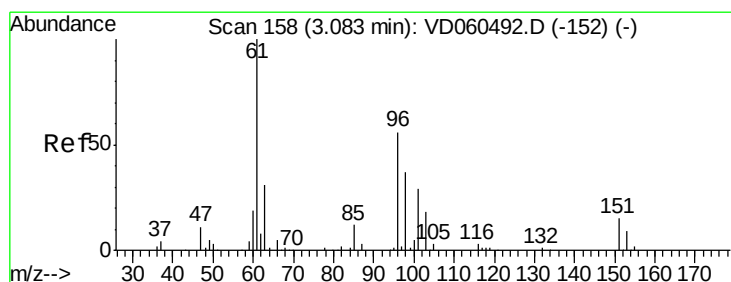
Tot Ion: 59 Resp: 122525
Ion Ratio Lower Upper
59 100
57 7.3 8.1 12.1#

Manual Integrations
APPROVED



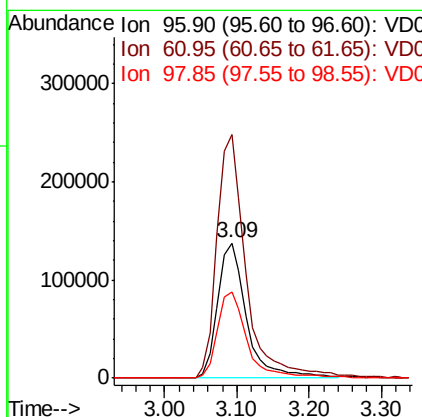
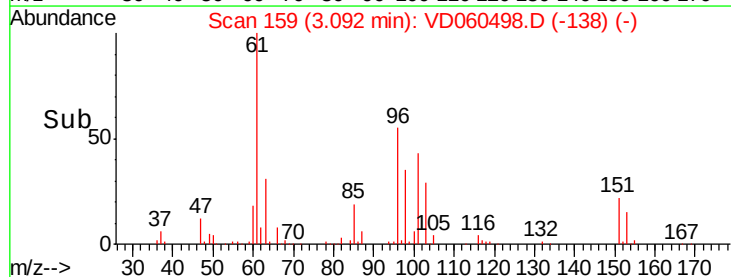
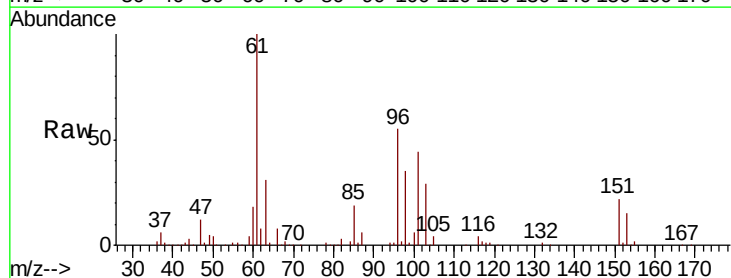
MMDadoda

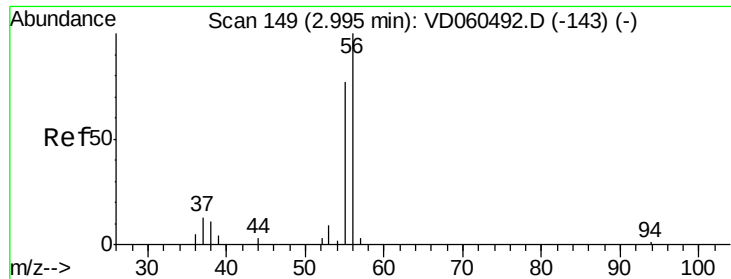
12/7/2018 5:03:22 PM



#12
1,1-Dichloroethene
Concen: 44.926 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 96 Resp: 383942
Ion Ratio Lower Upper
96 100
61 180.3 143.0 214.4
98 63.9 53.4 80.0





#13

Acrolein

Concen: 295.574 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

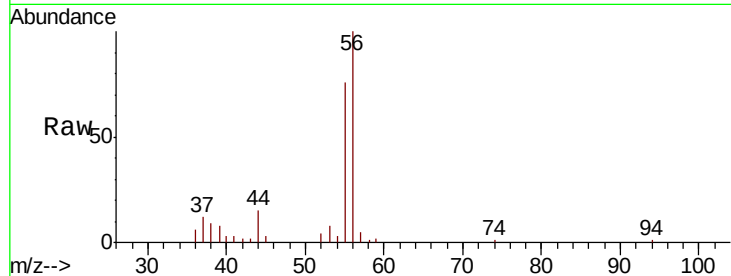
Tot Ion: 56 Resp: 159016

Ion Ratio Lower Upper

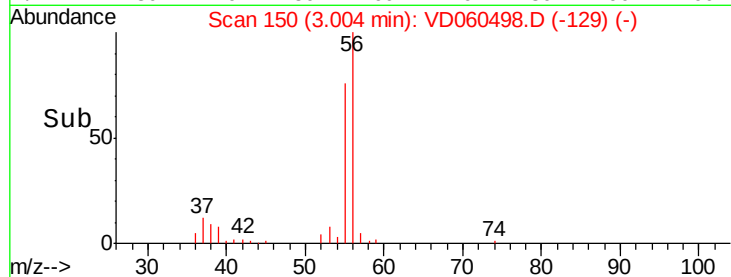
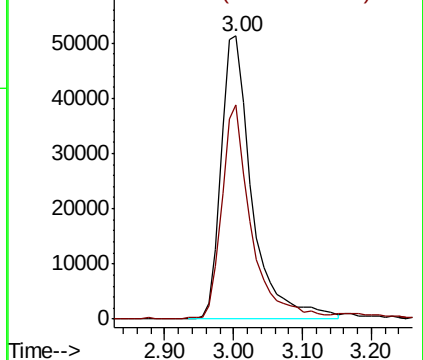
56 100

55 75.7 62.0 93.0

Manual Integrations
APPROVED

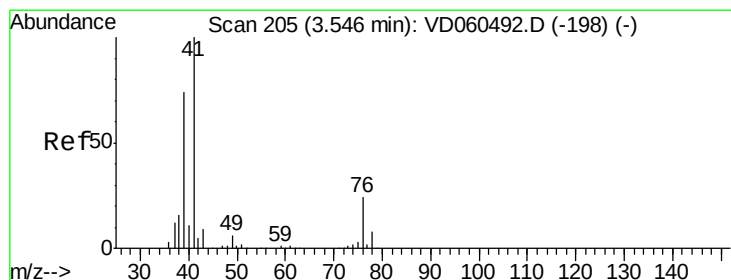


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



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#14

Allyl chloride

Concen: 47.581 ug/l

RT: 3.55 min Scan# 205

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

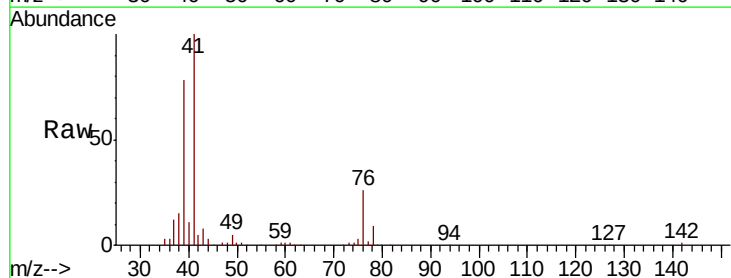
Tgt Ion: 41 Resp: 771506

Ion Ratio Lower Upper

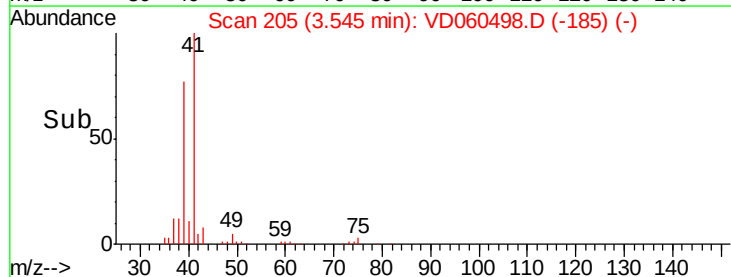
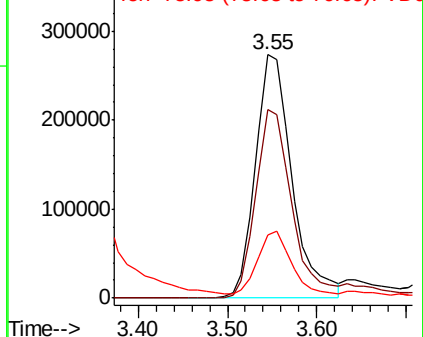
41 100

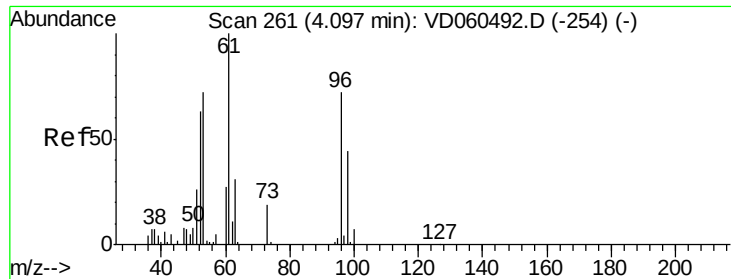
39 77.7 59.3 88.9

76 25.9 21.0 31.6



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 245.641 ug/l

RT: 4.10 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

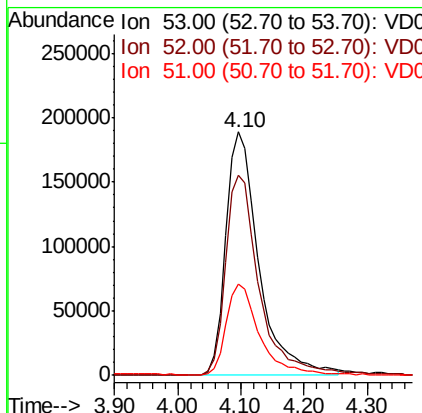
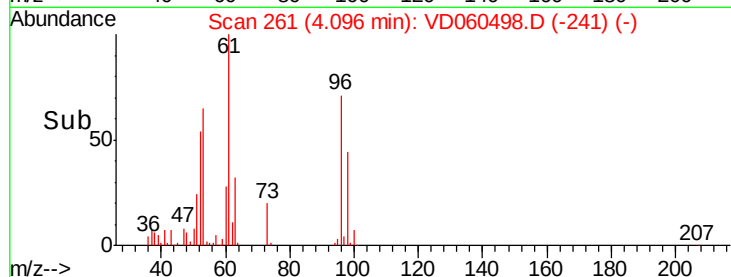
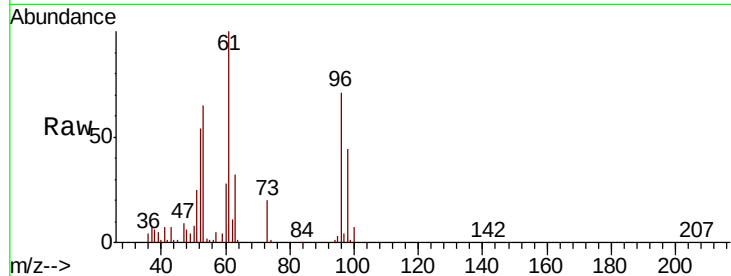
MSVOA_D

ClientSampled :

VSTDCCC050

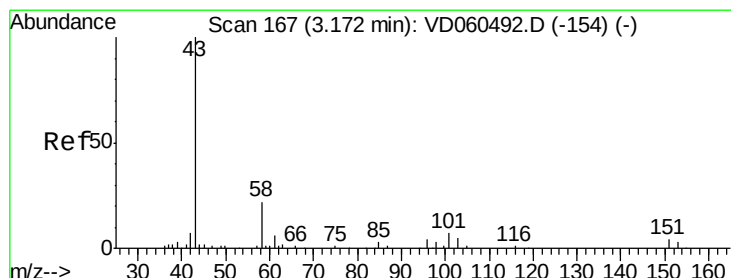
Tot Ion:	53	Resp:	686725
Ion	Ratio	Lower	Upper
53	100		
52	82.3	70.0	105.0
51	37.5	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 260.119 ug/l

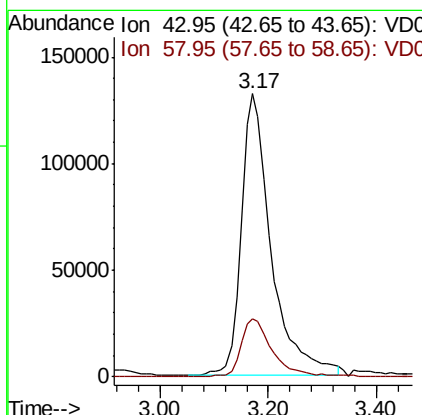
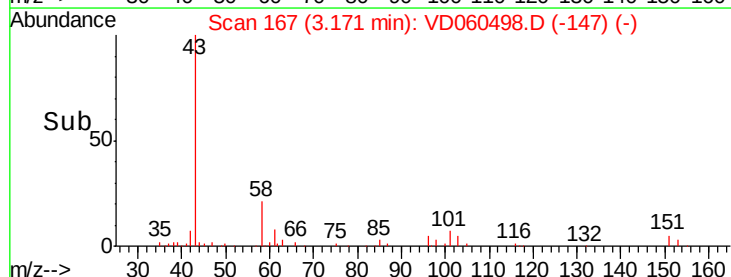
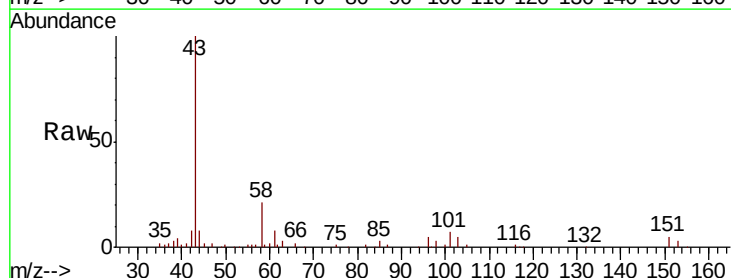
RT: 3.17 min Scan# 167

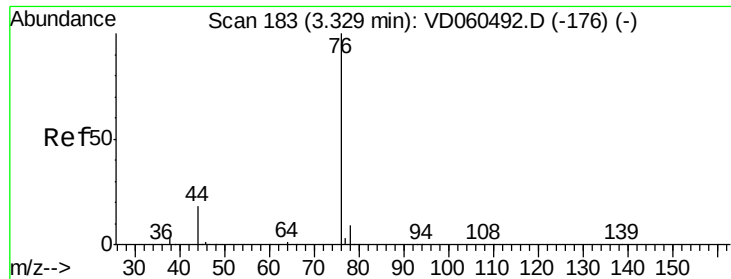
Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Tgt Ion:	43	Resp:	505298
Ion	Ratio	Lower	Upper
43	100		
58	20.7	17.3	25.9





#17

Carbon Disulfide

Concen: 46.969 ug/l

RT: 3.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

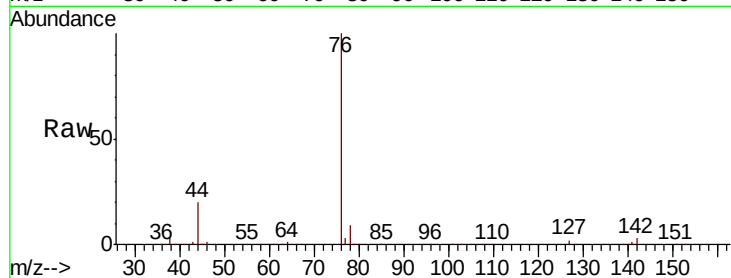
Tot Ion: 76 Resp: 1303855

Ion Ratio Lower Upper

76 100

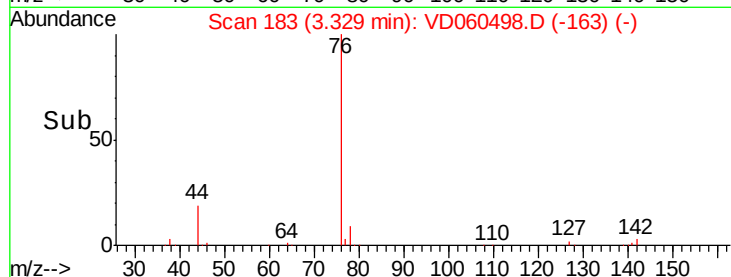
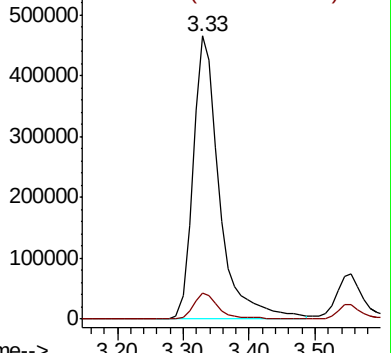
78 9.2 7.0 10.6

Manual Integrations
APPROVED



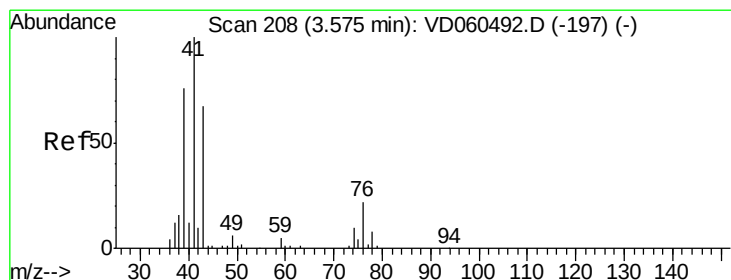
Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



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#18

Methyl Acetate

Concen: 43.776 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.01 min

Lab File: VD060498.D

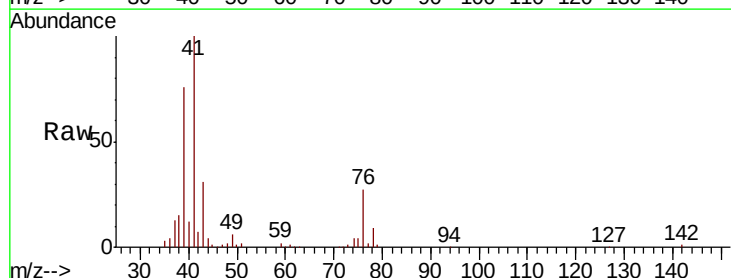
Acq: 6 Dec 2018 10:59

Tgt Ion: 43 Resp: 202105

Ion Ratio Lower Upper

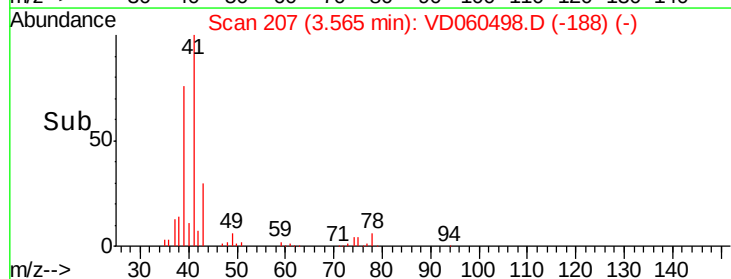
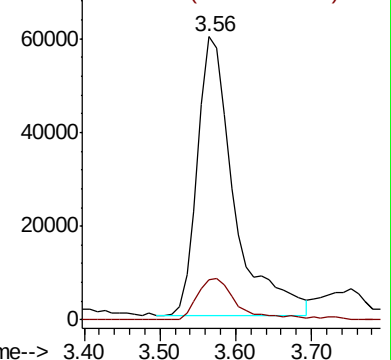
43 100

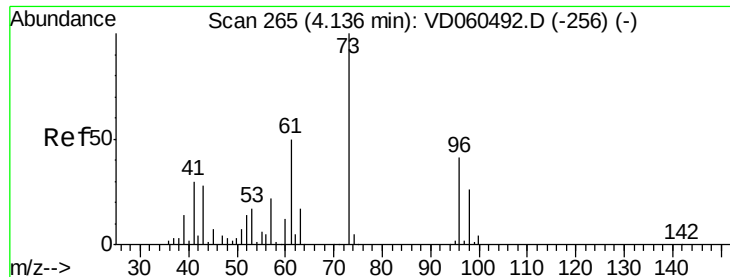
74 14.2 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



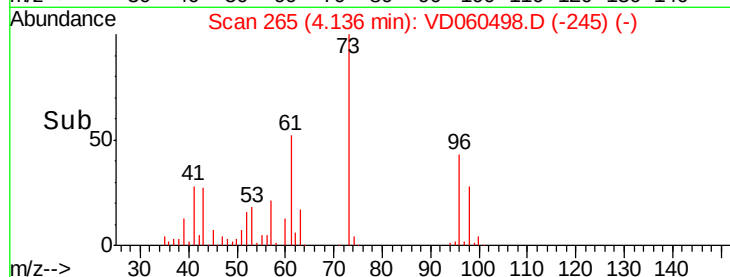
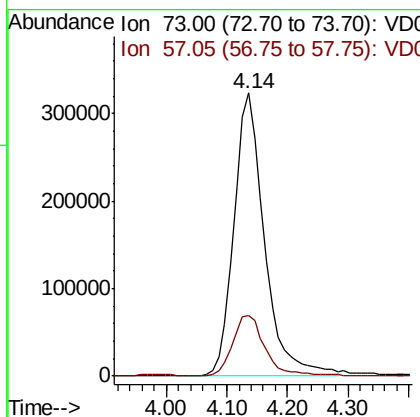
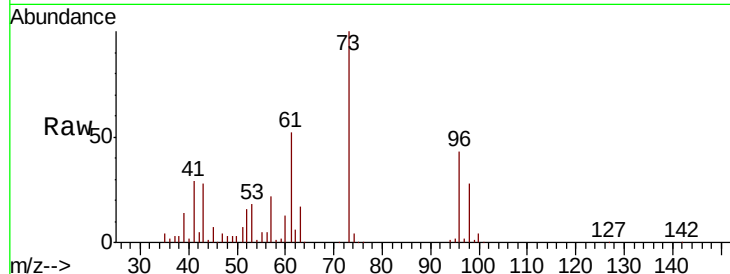


#19
Methvl tert-butvl Ether
Concen: 47.850 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

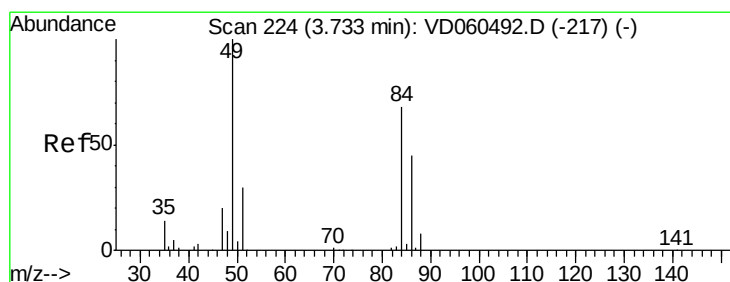
Tot Ion: 73 Resp: 1134030
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.6

Manual Integrations
APPROVED



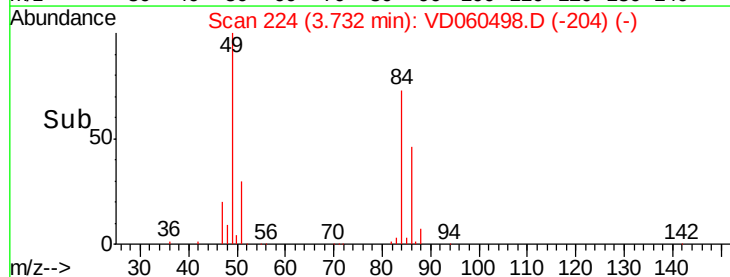
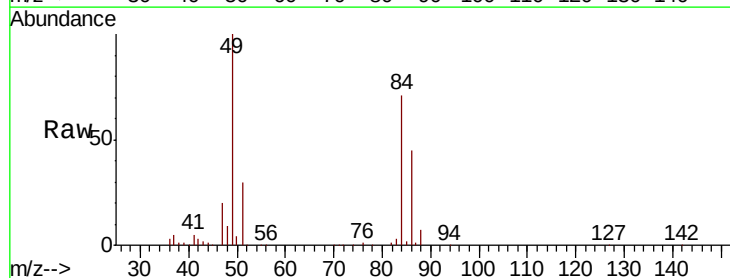
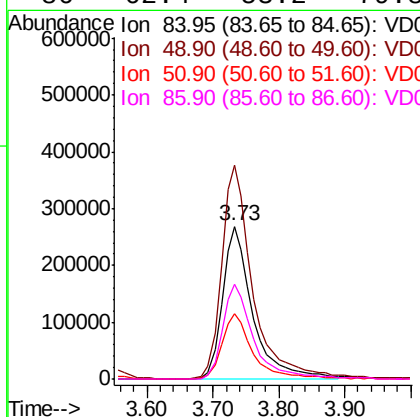
MMDadoda

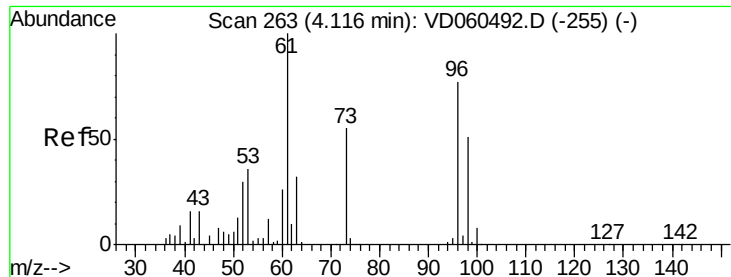
12/7/2018 5:03:22 PM



#20
Methylene Chloride
Concen: 47.695 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 84 Resp: 854395
Ion Ratio Lower Upper
84 100
49 140.0 117.2 175.8
51 42.6 35.3 52.9
86 62.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.250 ug/l

RT: 4.12 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 934134

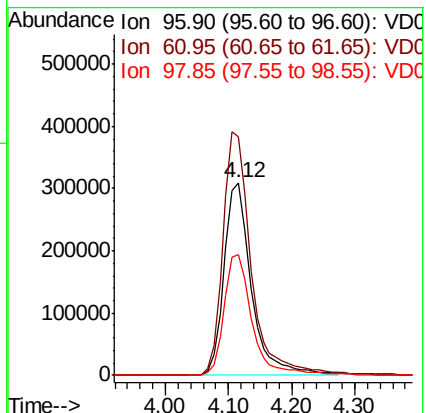
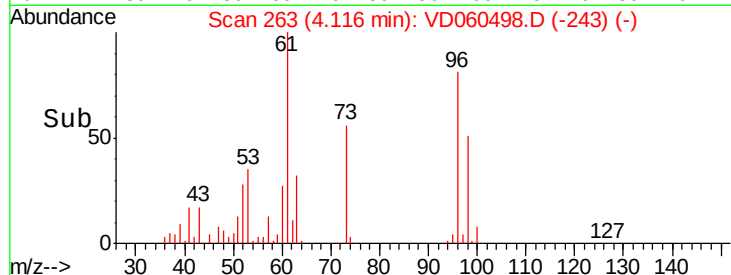
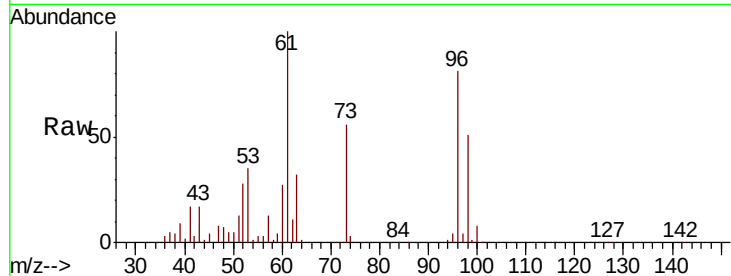
Ion Ratio Lower Upper

96 100

61 123.9 104.2 156.4

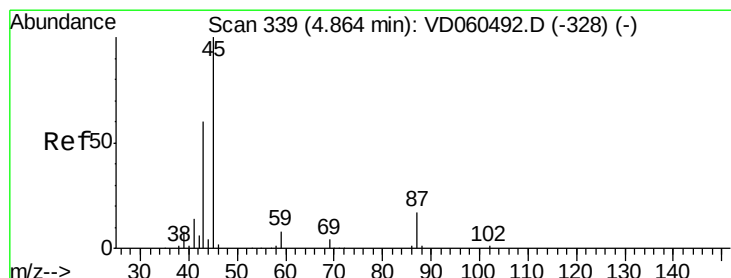
98 62.8 52.8 79.2

Manual Integrations
APPROVED



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#22

Diisopropyl ether

Concen: 48.287 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Tgt Ion: 45 Resp: 2811062

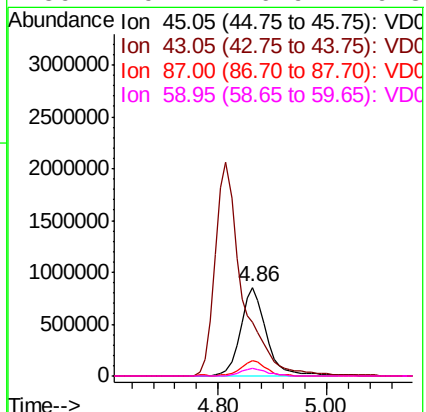
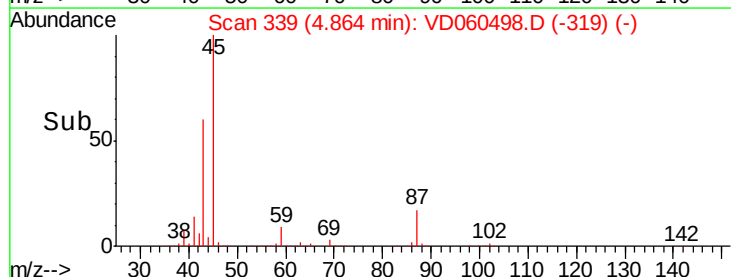
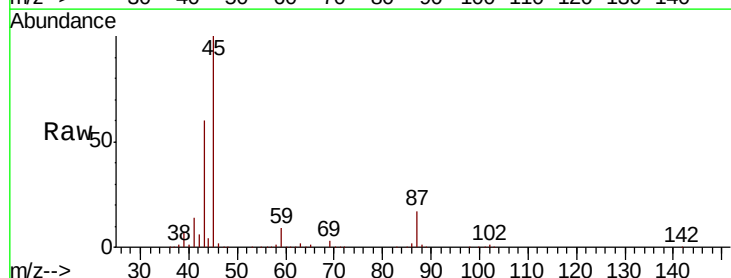
Ion Ratio Lower Upper

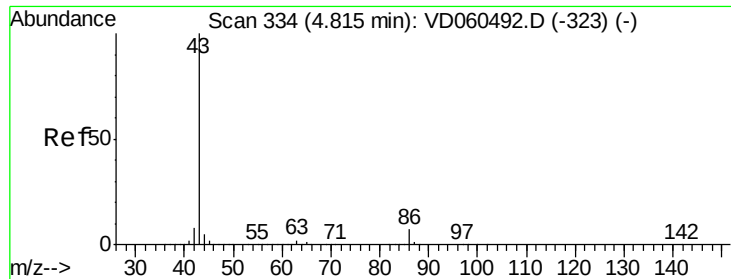
45 100

43 60.4 48.6 73.0

87 16.9 14.0 21.0

59 9.2 6.9 10.3





#23

Vinyl Acetate

Concen: 245.268 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Tot Ion: 43 Resp: 7074445

Ion Ratio Lower Upper

43 100

86 6.9 5.5 8.3

Instrument :

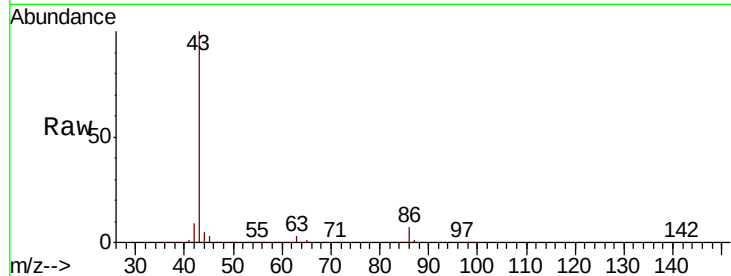
MSVOA_D

ClientSampleId :

VSTDCCC050

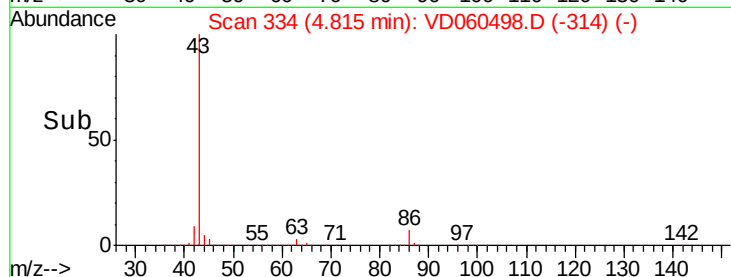
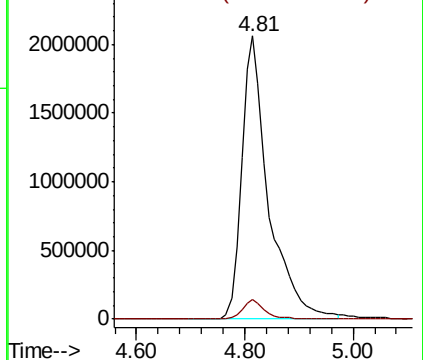
Manual Integrations

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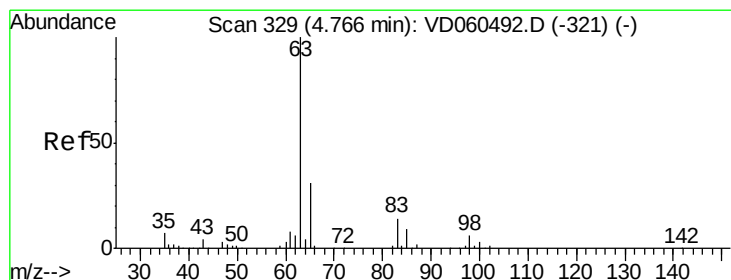
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



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#24

1,1-Dichloroethane

Concen: 49.506 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

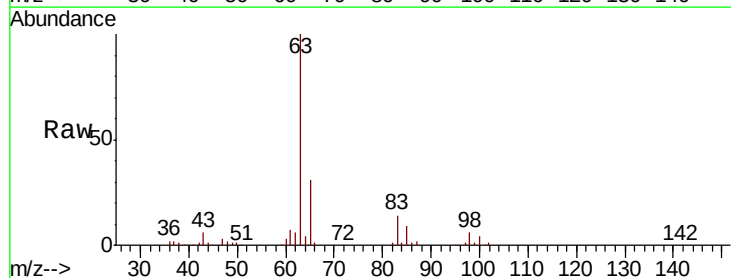
Tgt Ion: 63 Resp: 1497240

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

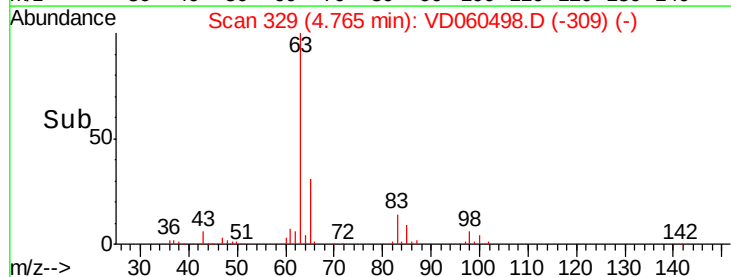
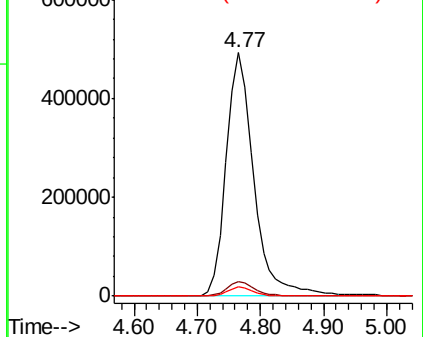
100 3.9 1.7 5.1

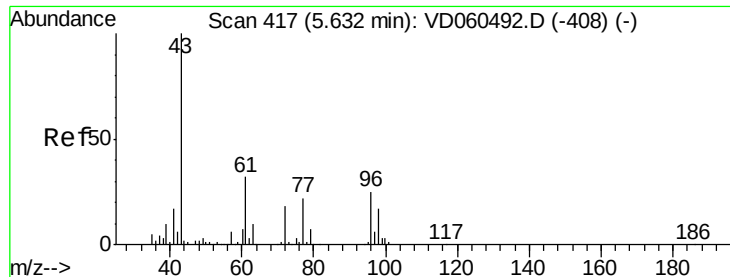


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 262.115 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

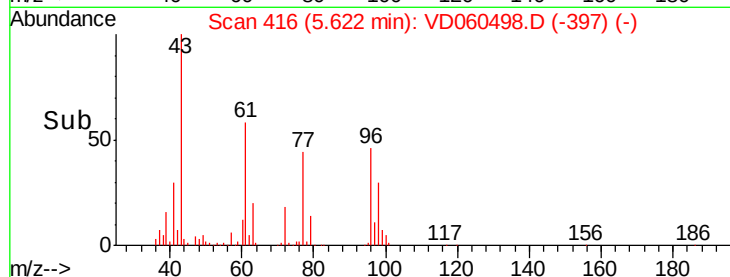
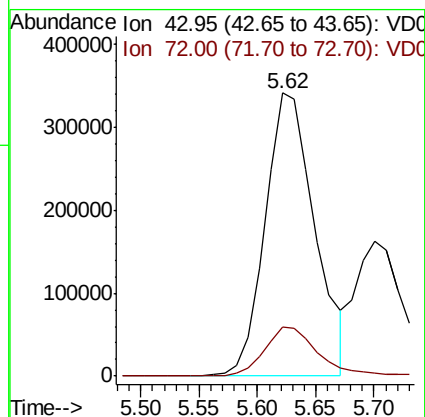
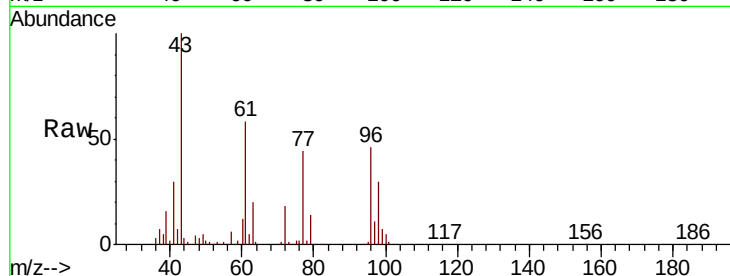
Tot Ion: 43 Resp: 1001758

Ion Ratio Lower Upper

43 100

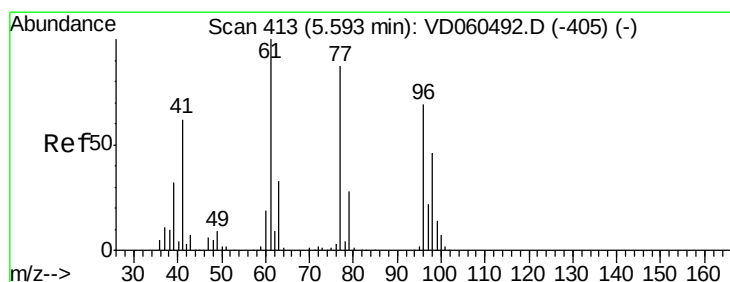
72 17.6 14.6 21.8

Manual Integrations
APPROVED



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#26

2,2-Dichloropropane

Concen: 50.871 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060498.D

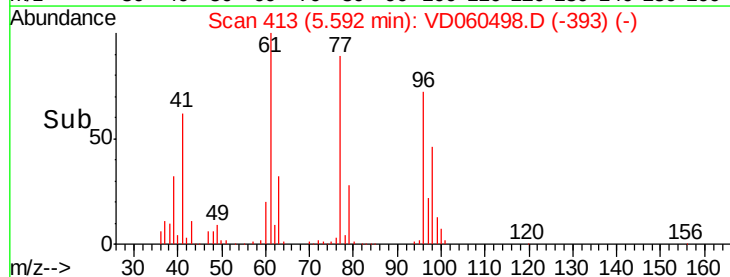
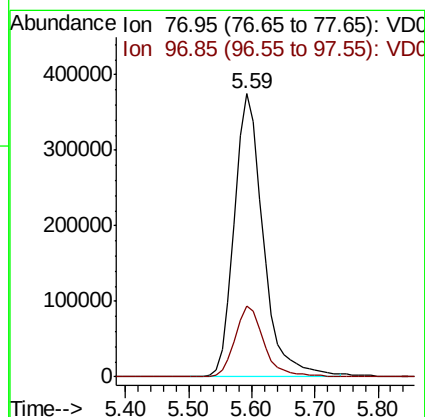
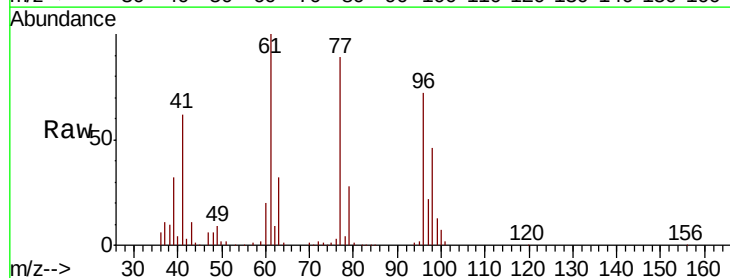
Acq: 6 Dec 2018 10:59

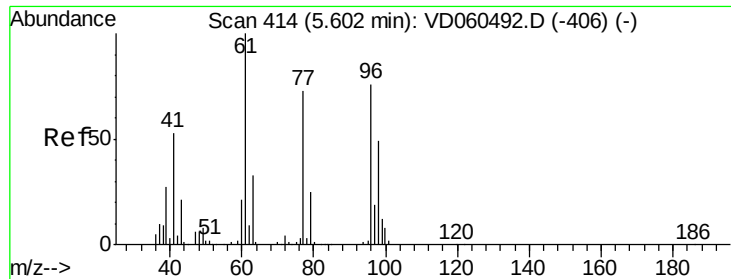
Tgt Ion: 77 Resp: 1188527

Ion Ratio Lower Upper

77 100

97 24.9 12.7 38.0



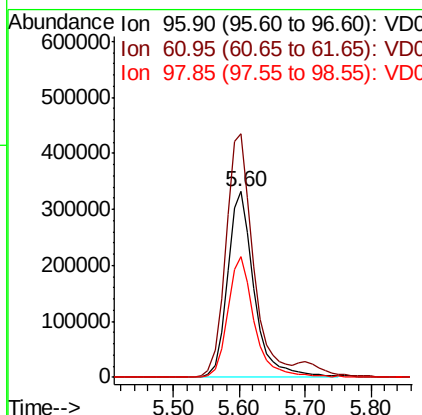
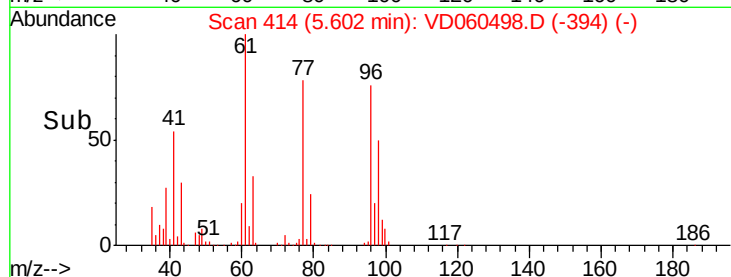
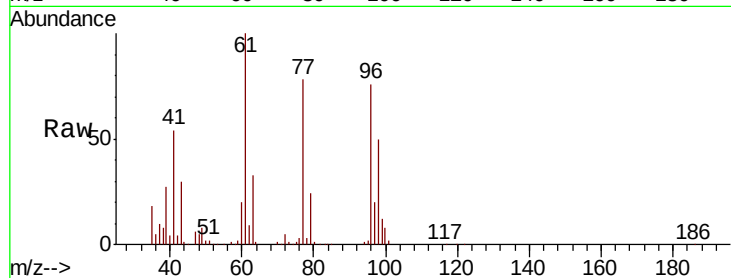


#27
 cis-1,2-Dichloroethene
 Concen: 49.587 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

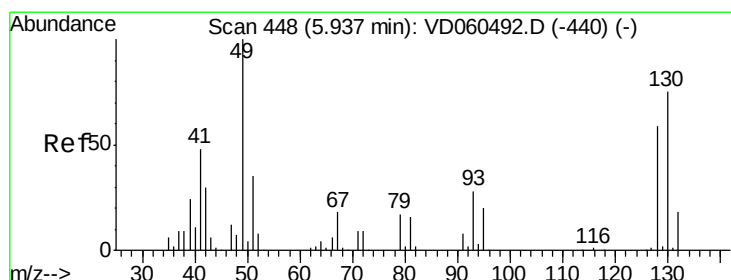
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.1	0.0	263.6	
98	64.9	0.0	128.2	

Manual Integrations
 APPROVED



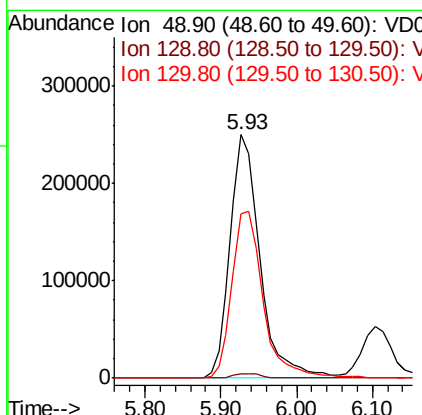
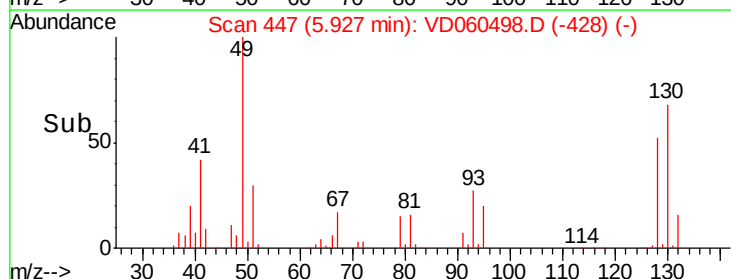
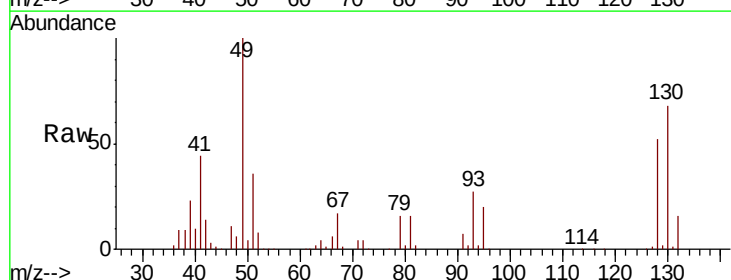
MMDadoda

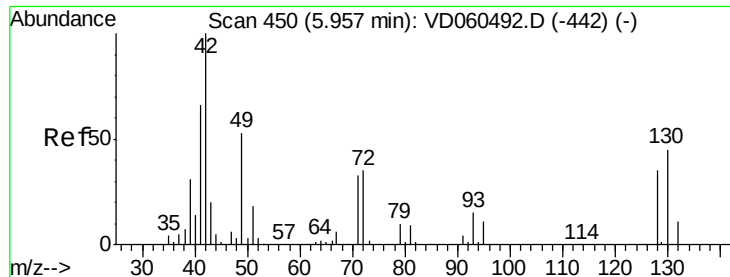
12/7/2018 5:03:22 PM



#28
 Bromochloromethane
 Concen: 51.143 ug/l
 RT: 5.93 min Scan# 447
 Delta R.T. -0.01 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.4	
130	67.5	59.8	89.6	



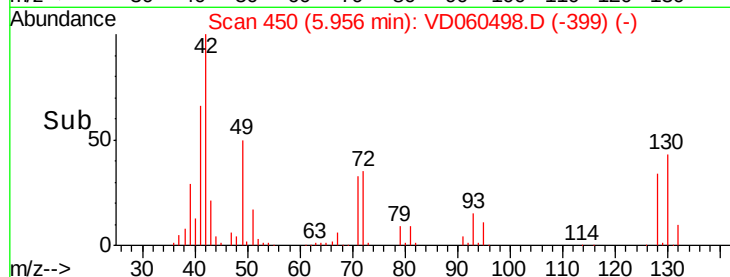
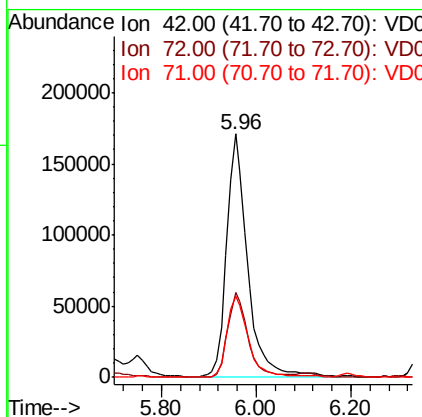
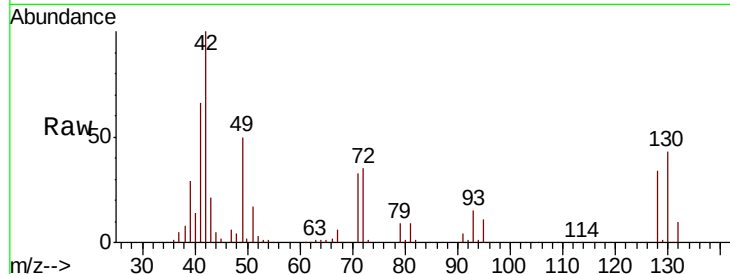


#29
Tetrahydrofuran
Concen: 240.159 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

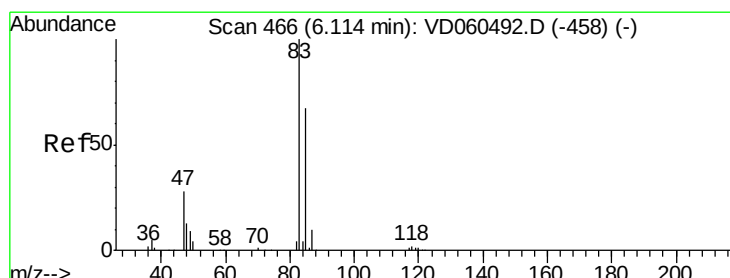
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	28.0	42.0
71	33.6	27.2	40.8

Manual Integrations
APPROVED



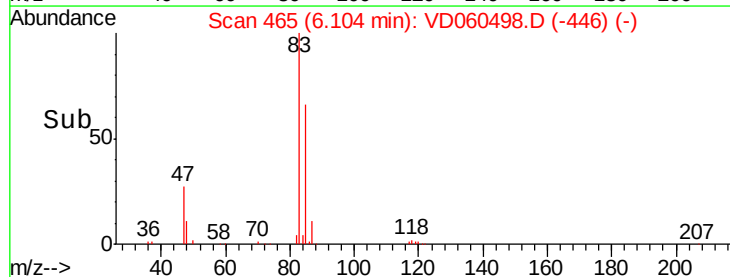
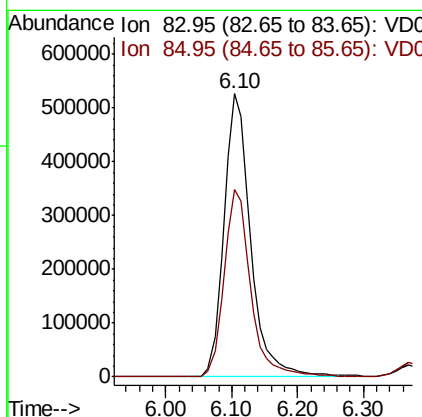
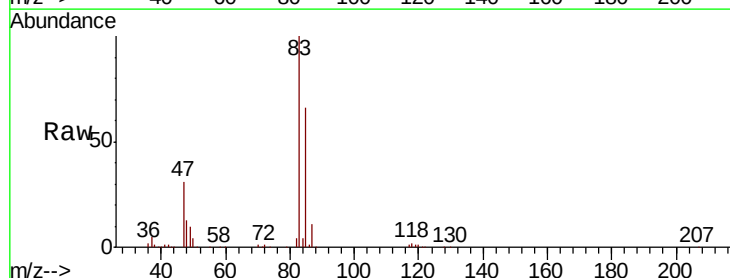
MMDadoda

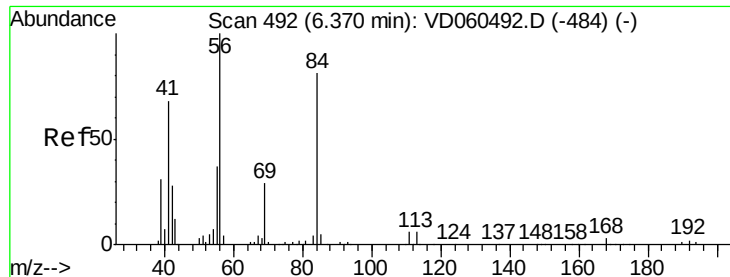
12/7/2018 5:03:22 PM



#30
Chloroform
Concen: 48.812 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.4	80.2



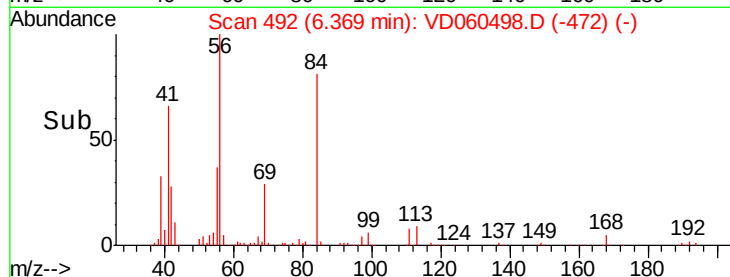
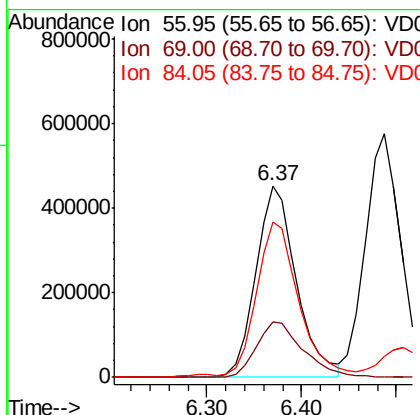
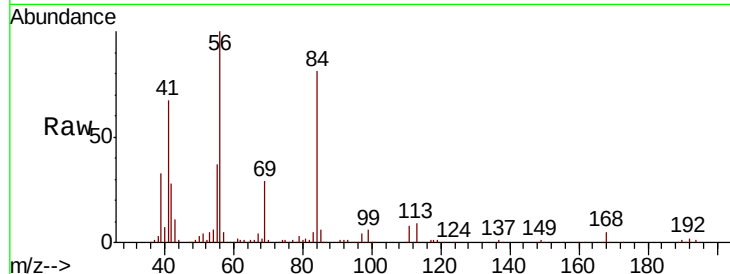


#31
Cyclohexane
Concen: 52.030 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

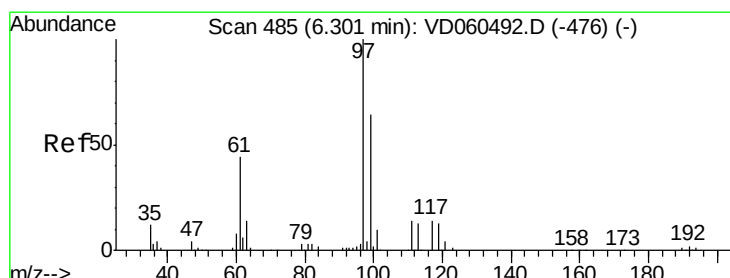
Tot Ion:	56	Resp:	1341570
Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.8	34.2
84	81.2	65.1	97.7

Manual Integrations
APPROVED



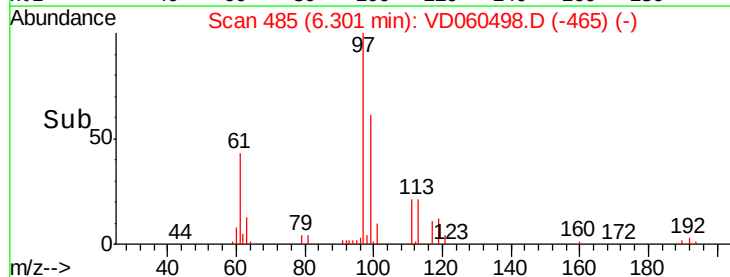
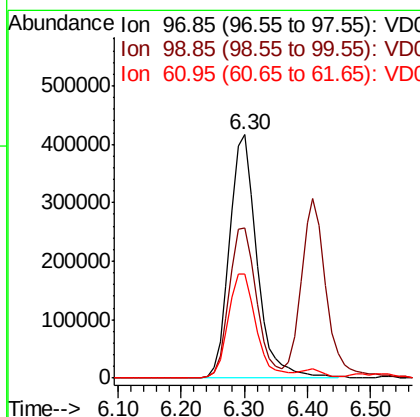
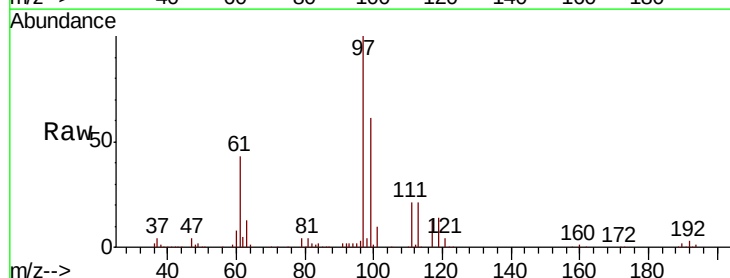
MMDadoda

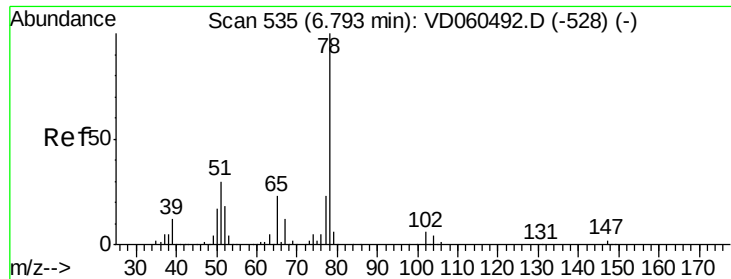
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#32
1,1,1-Trichloroethane
Concen: 49.981 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion:	97	Resp:	1251937
Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.0	76.4
61	42.8	35.3	52.9



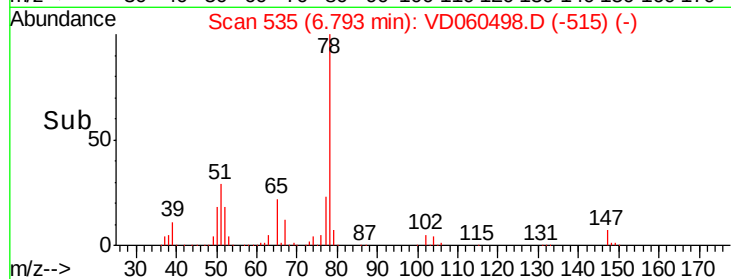
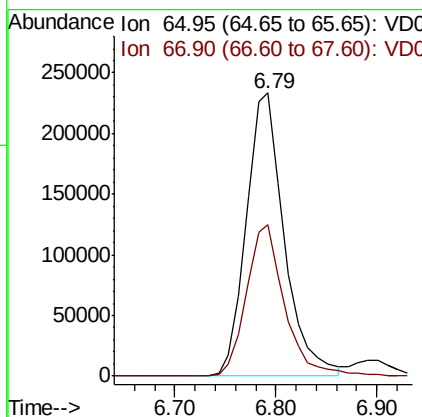
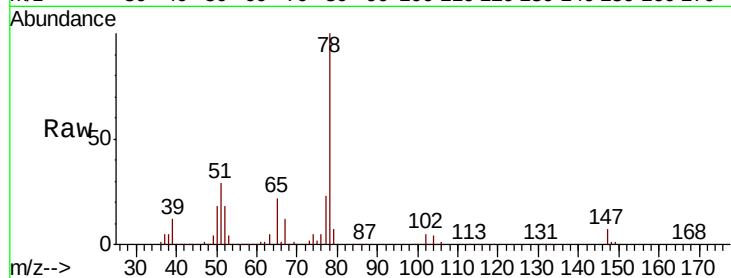


#33
 1,2-Dichloroethane-d4
 Concen: 49.981 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

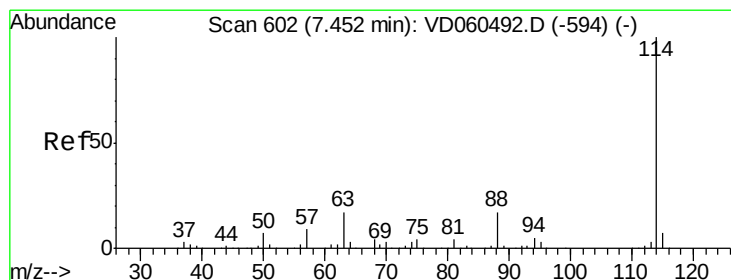
Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8

Manual Integrations
 APPROVED



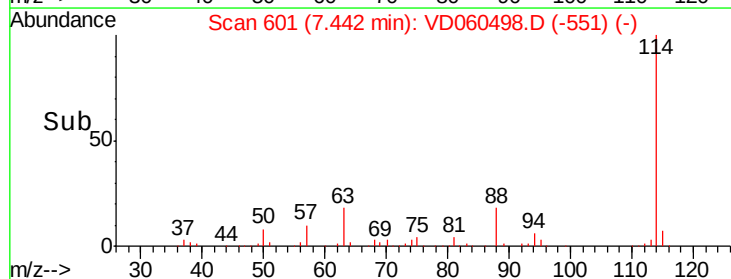
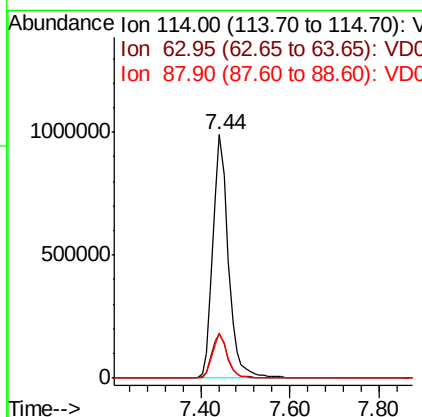
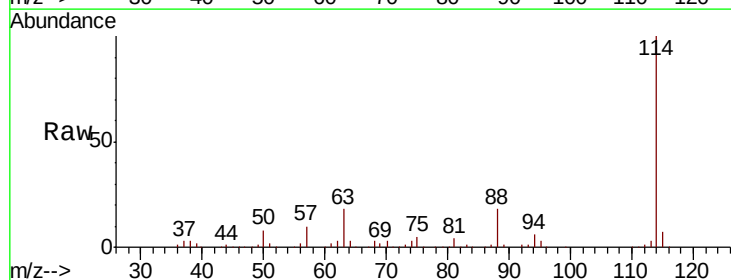
MMDadoda

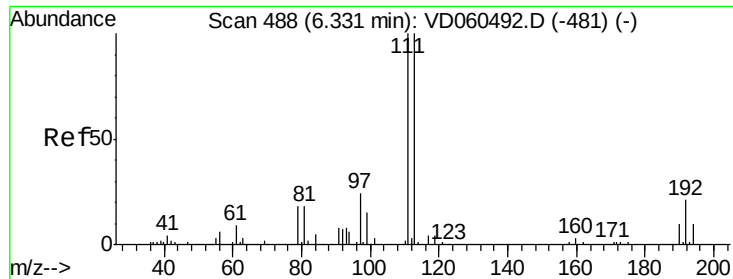
12/7/2018 5:03:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.2
88	18.5	0.0	35.0



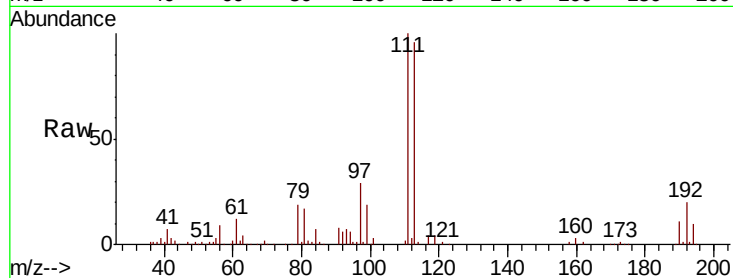


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.4	80.2	120.4	
192	20.7	16.6	24.8	

Manual Integrations
APPROVED

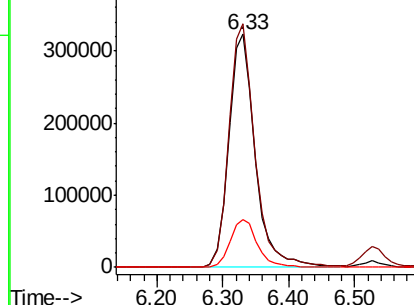
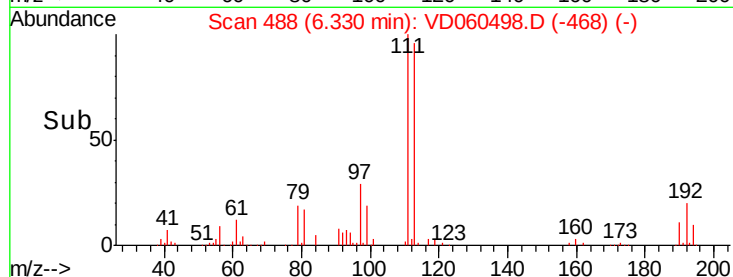


Abundance

Ion 112.90 (112.60 to 113.60): V

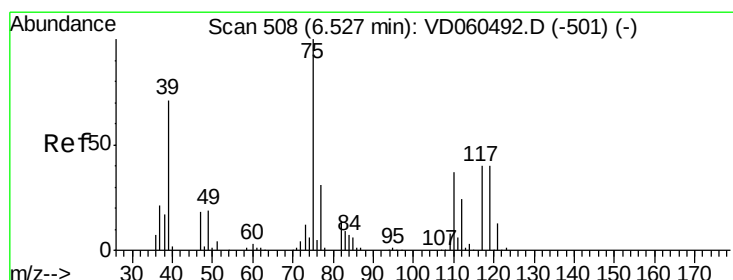
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



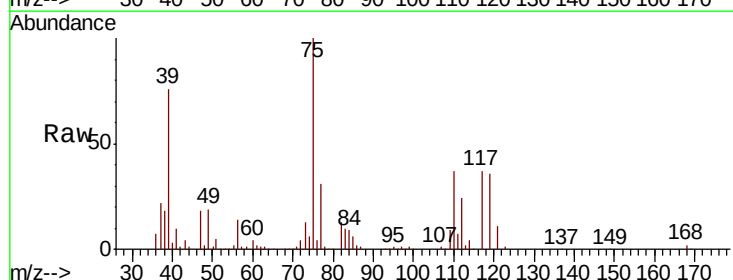
MMDadoda

12/7/2018 5:03:22 PM



#36
1,1-Dichloropropene
Concen: 48.497 ug/l
RT: 6.53 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	18.3	54.8	
77	31.0	24.6	37.0	

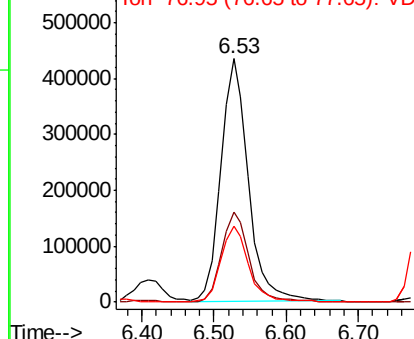
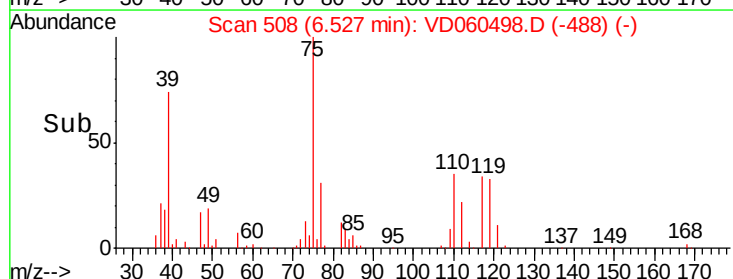


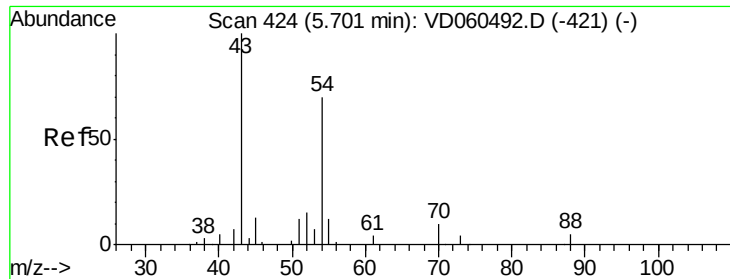
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



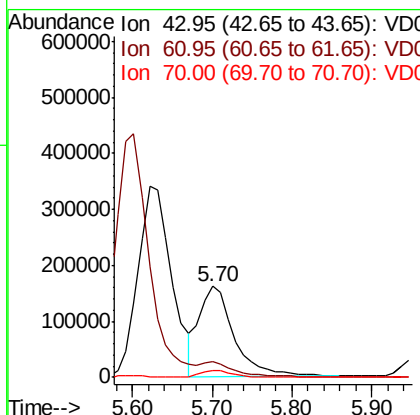
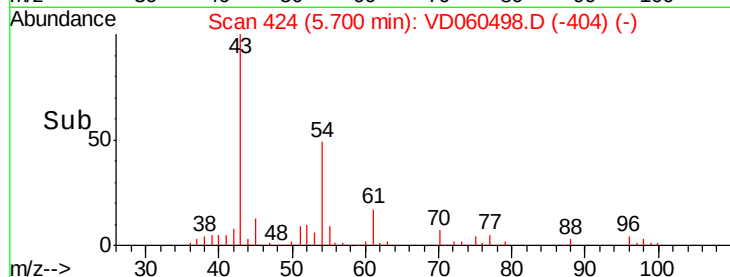
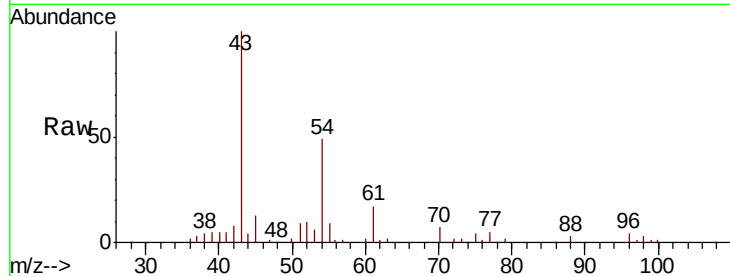


#37
Ethyl Acetate
Concen: 48.082 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

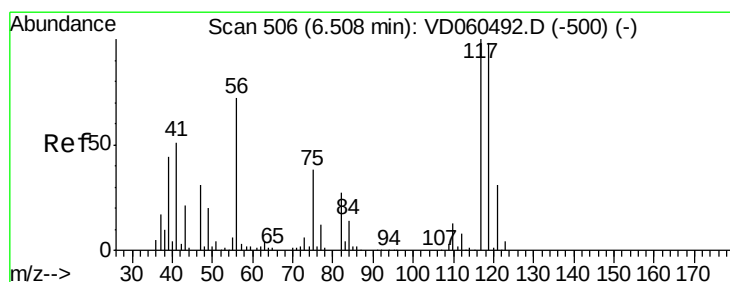
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.4	18.6
70	7.3	5.4	8.0

Manual Integrations
APPROVED



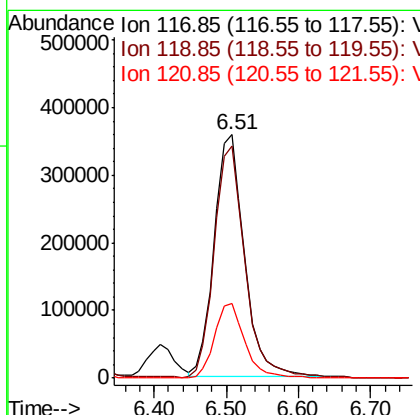
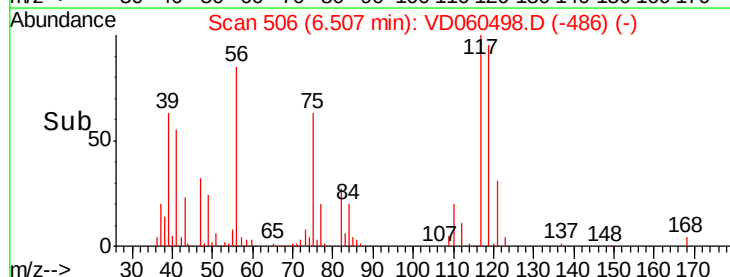
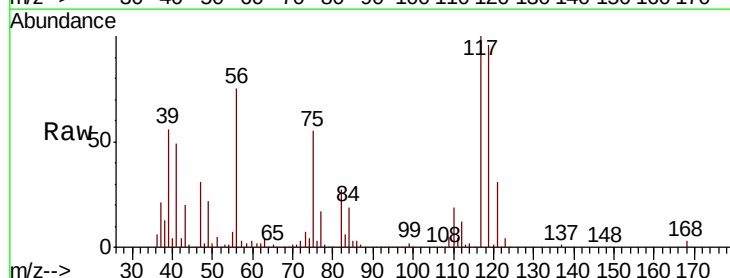
MMDadoda

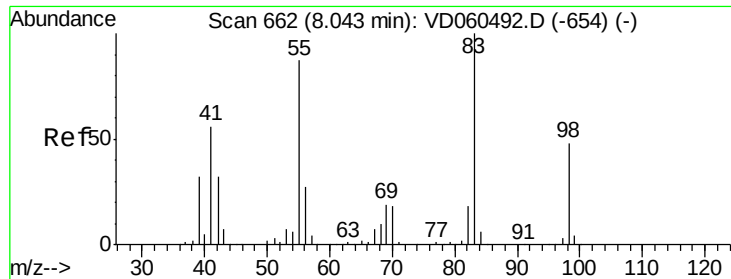
12/7/2018 5:03:22 PM



#38
Carbon Tetrachloride
Concen: 49.608 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.8	115.2
121	30.7	24.4	36.6



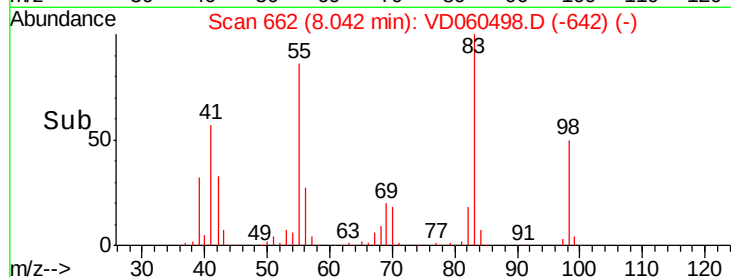
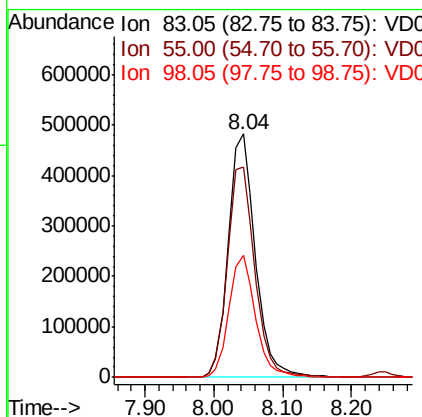
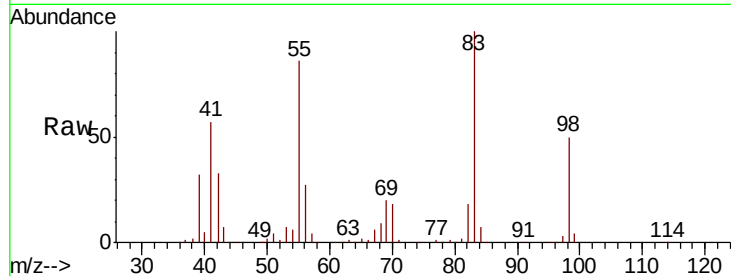


#39
Methylvlcyclohexane
Concen: 49.364 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

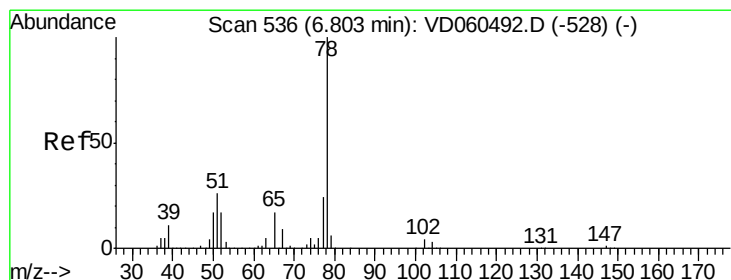
Tot Ion: 83 Resp: 1313577
Ion Ratio Lower Upper
83 100
55 86.2 69.8 104.8
98 50.2 38.4 57.6

Manual Integrations
APPROVED



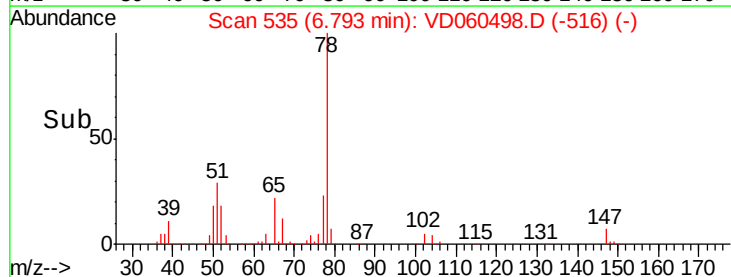
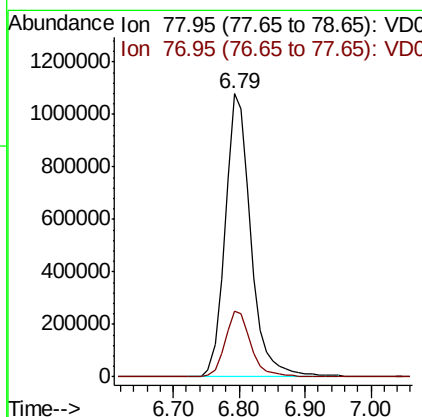
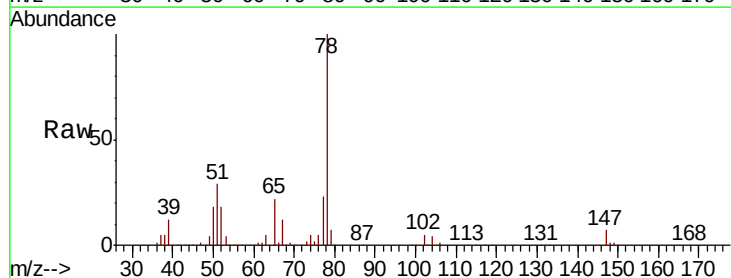
MMDadoda

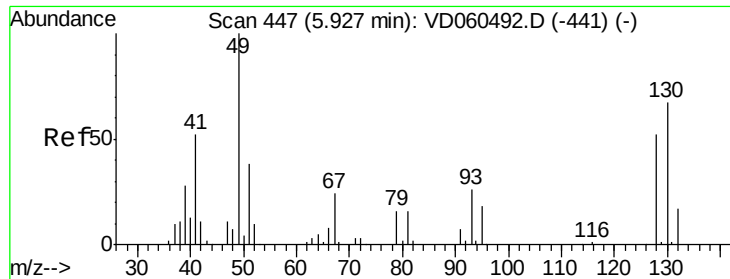
12/7/2018 5:03:22 PM



#40
Benzene
Concen: 49.257 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 78 Resp: 2938469
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3





#41

Methacrylonitrile

Concen: 47.550 ug/l m

RT: 5.93 min Scan# 447

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Tot Ion: 41 Resp: 259484

Ion Ratio Lower Upper

41 100

39 51.6 42.6 63.8

67 39.4 36.2 54.4

52 19.2 15.6 23.4

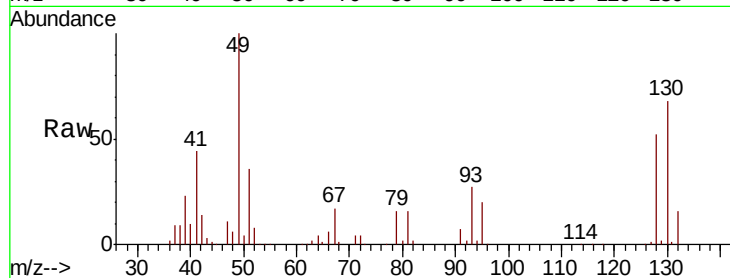
Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

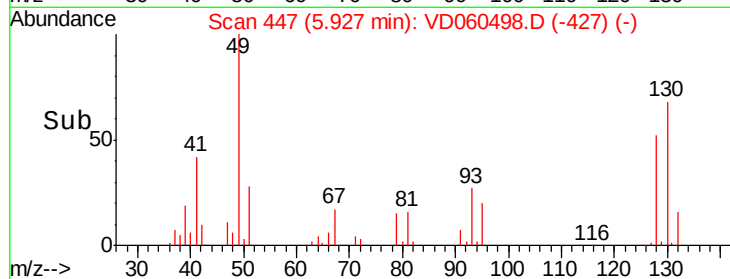
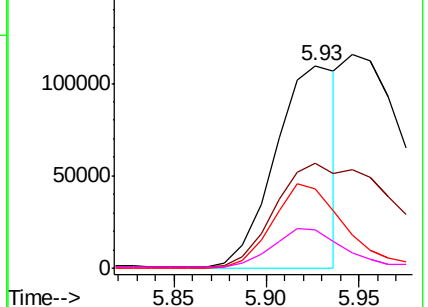


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

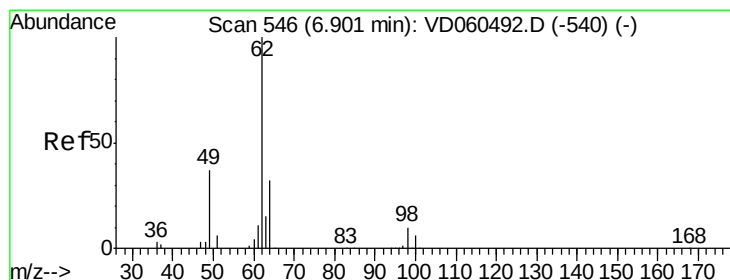
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



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#42

1,2-Dichloroethane

Concen: 48.539 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD060498.D

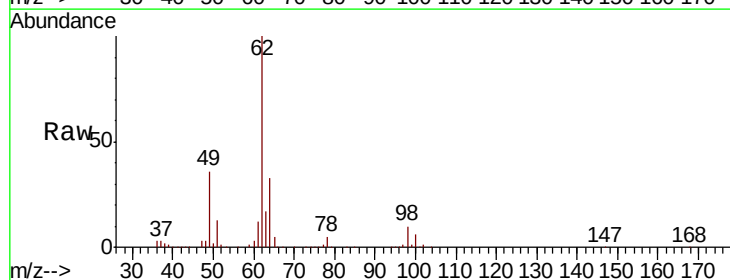
Acq: 6 Dec 2018 10:59

Tgt Ion: 62 Resp: 736233

Ion Ratio Lower Upper

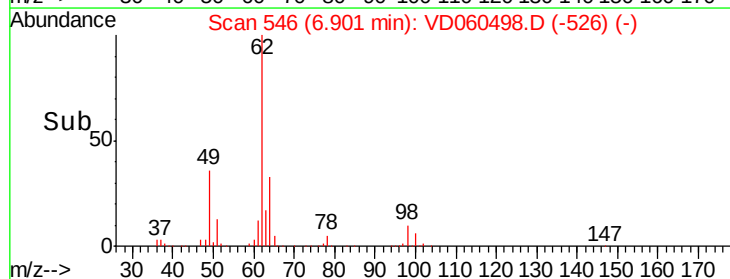
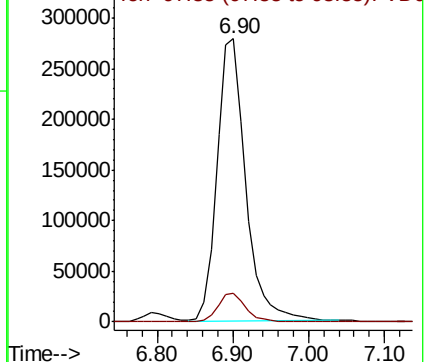
62 100

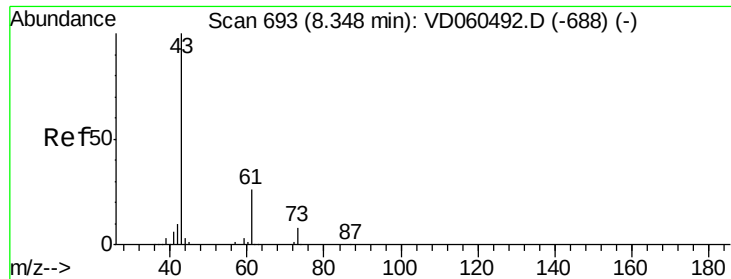
98 10.2 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



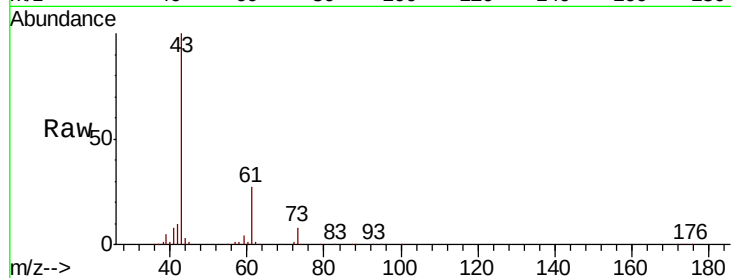


#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 8.35 min Scan# 693
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

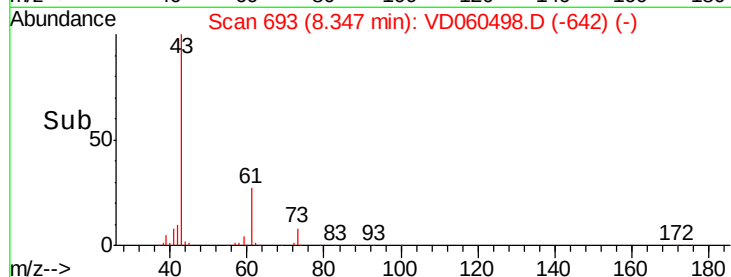
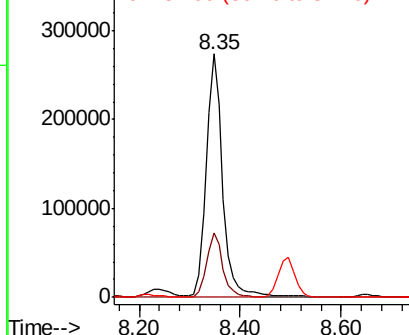
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	619547
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.4
87	0.2	0.2	0.2

Manual Integrations
APPROVED

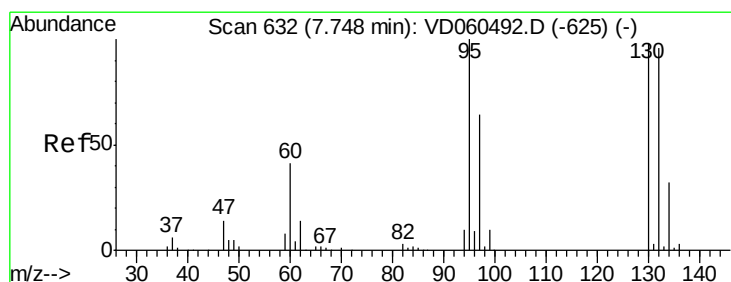


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



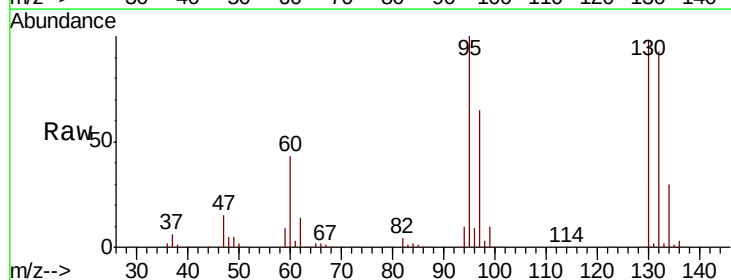
MMDadoda

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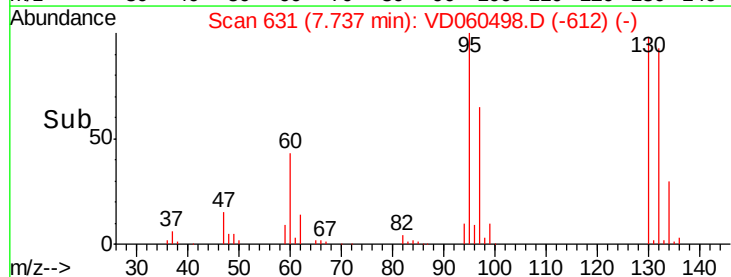
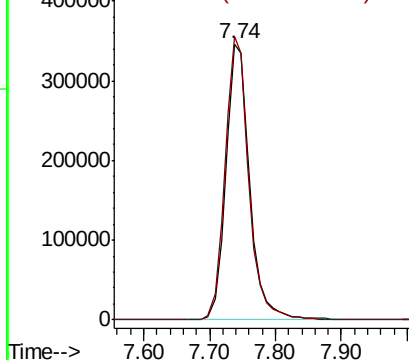


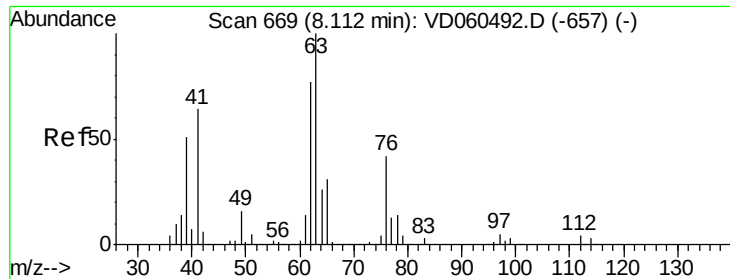
#44
Trichloroethene
Concen: 49.070 ug/l
RT: 7.74 min Scan# 631
Delta R.T. -0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion:	130	Resp:	874830
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC



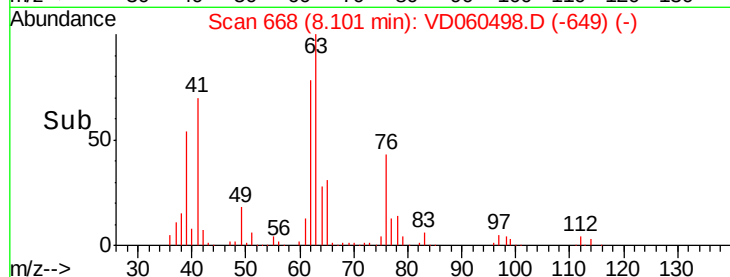
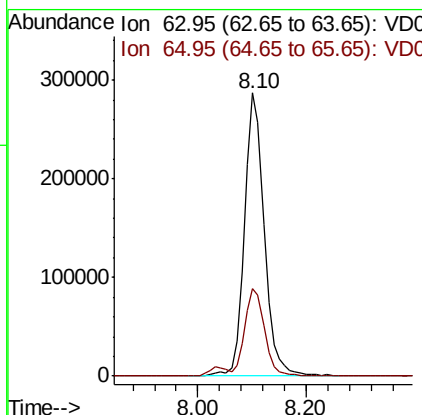
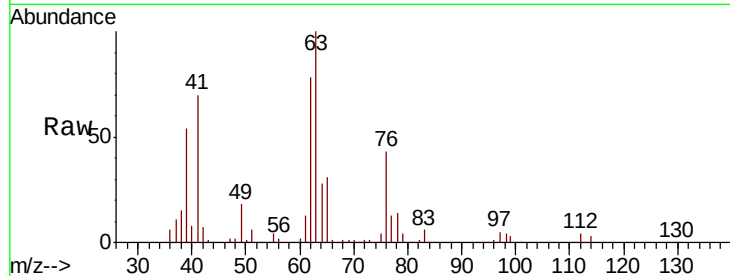


#45
1,2-Dichloropropane
Concen: 49.385 ug/l
RT: 8.10 min Scan# 668
Delta R.T. -0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

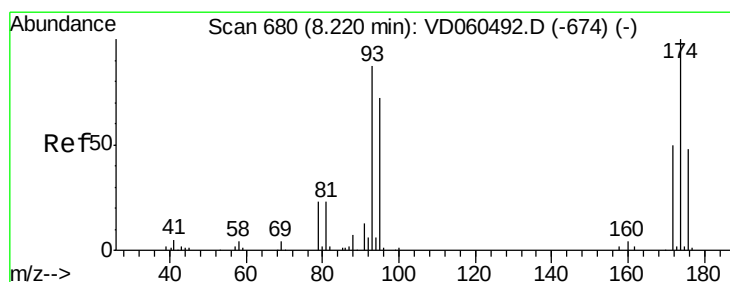
Tot Ion: 63 Resp: 728642
Ion Ratio Lower Upper
63 100
65 30.8 24.6 37.0

Manual Integrations
APPROVED



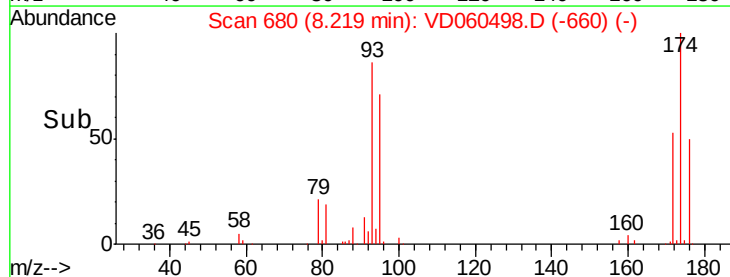
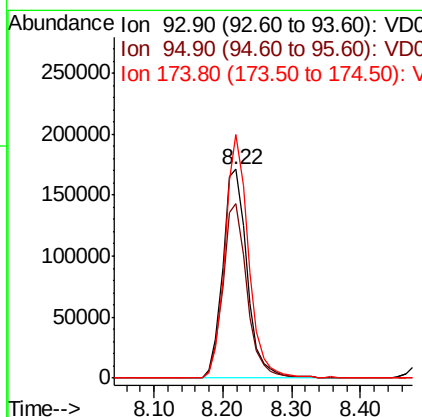
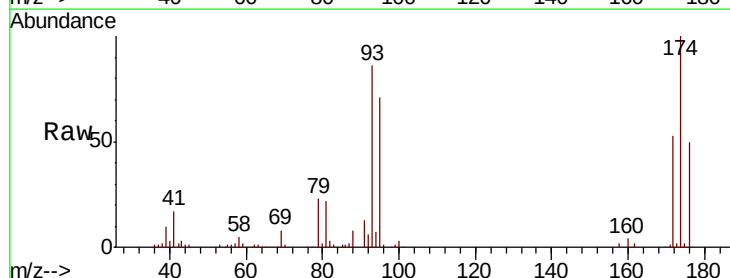
MMDadoda

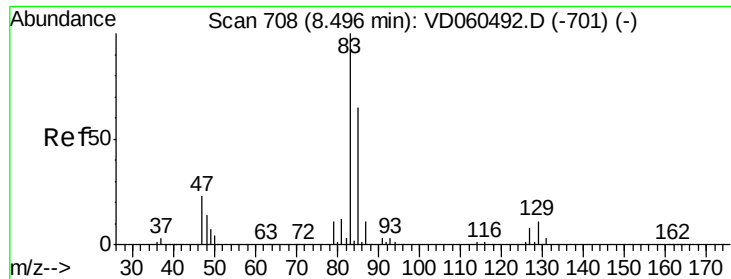
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#46
Dibromomethane
Concen: 49.232 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 93 Resp: 419684
Ion Ratio Lower Upper
93 100
95 83.3 65.6 98.4
174 116.6 91.7 137.5





#47

Bromodichloromethane

Concen: 49.787 ug/l

RT: 8.50 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1007029

Ion Ratio Lower Upper

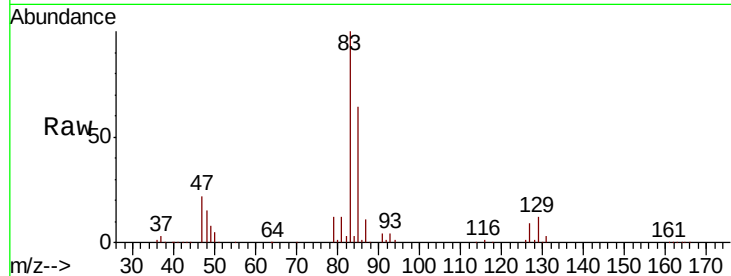
83 100

85 64.3 52.2 78.4

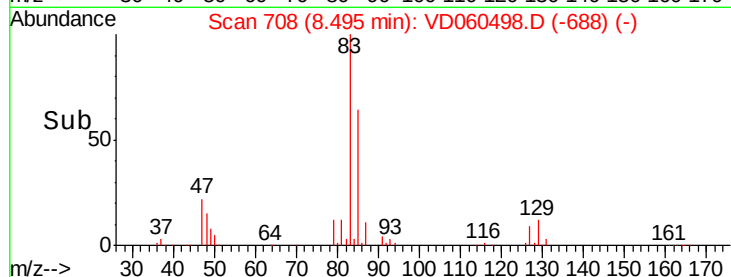
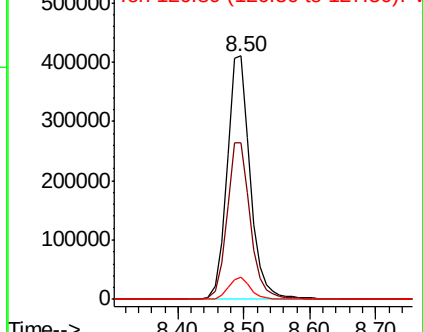
127 9.0 6.7 10.1

Manual Integrations

APPROVED

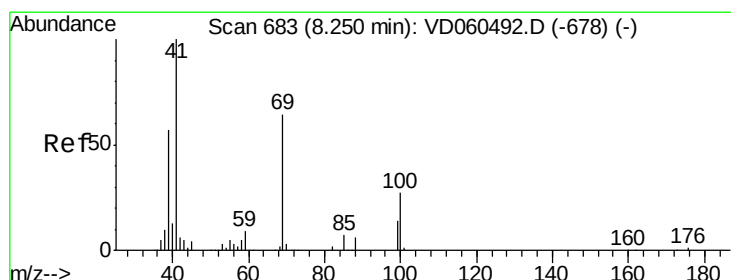


Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



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#48

Methyl methacrylate

Concen: 50.876 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

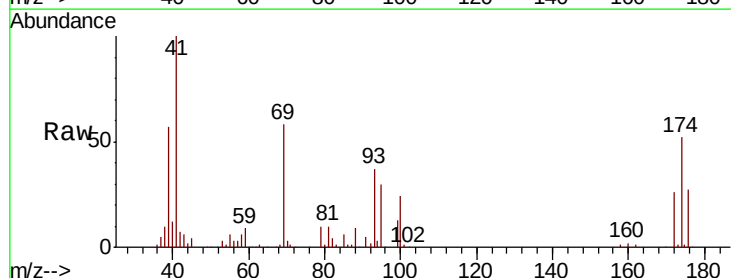
Tgt Ion: 41 Resp: 376183

Ion Ratio Lower Upper

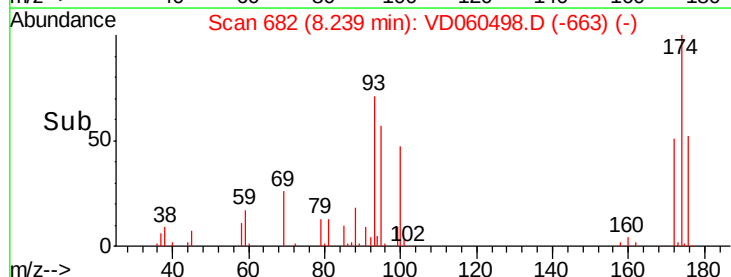
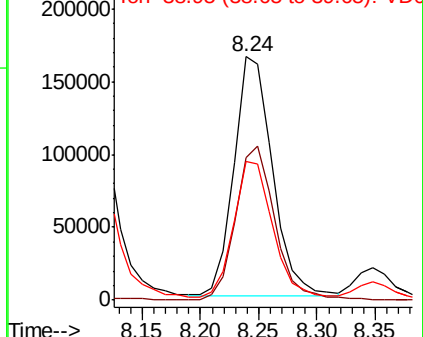
41 100

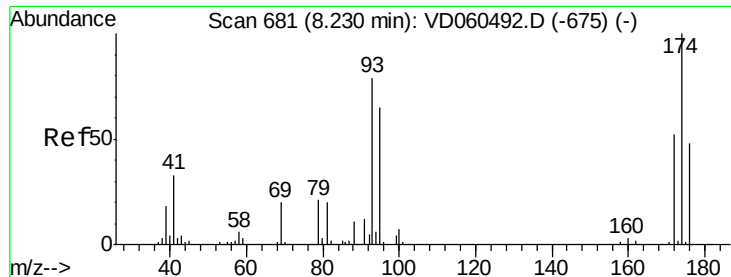
69 58.4 50.2 75.4

39 56.9 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC



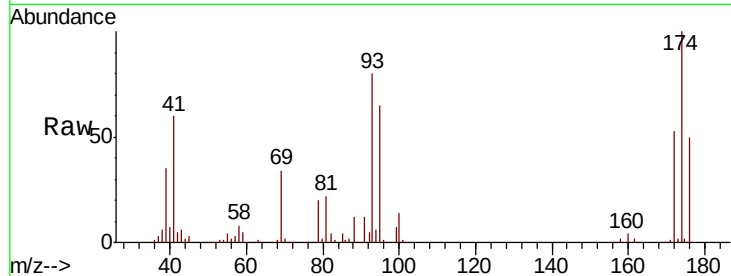


#49
1,4-Dioxane
Concen: 1067.161 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

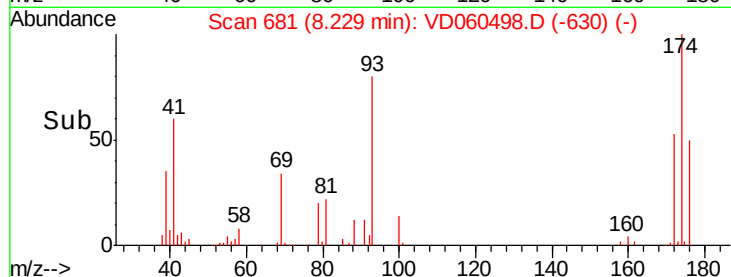
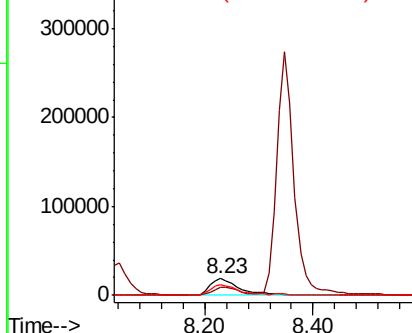
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.9	32.9	49.3#
58	66.5	47.7	71.5

Manual Integrations
APPROVED

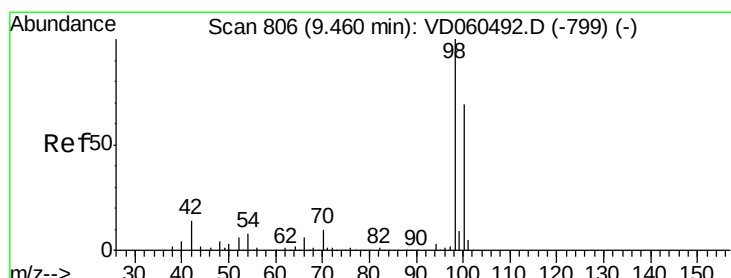


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



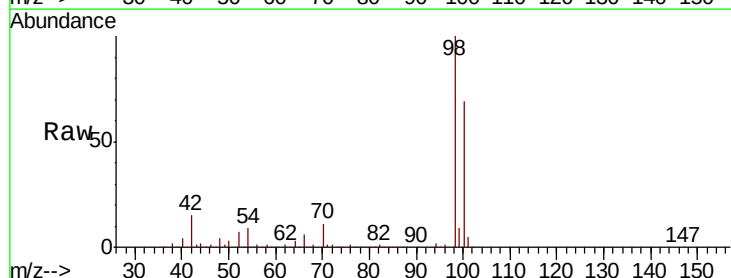
MMDadoda

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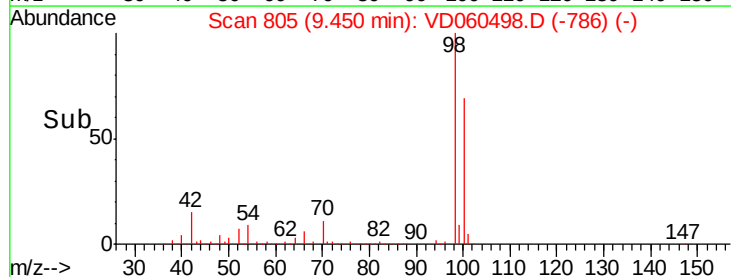
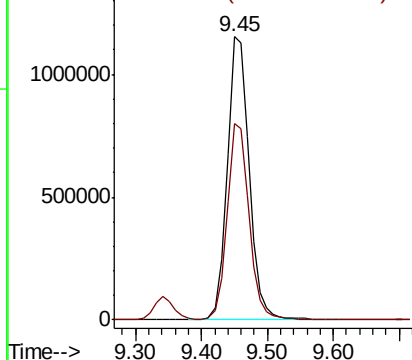


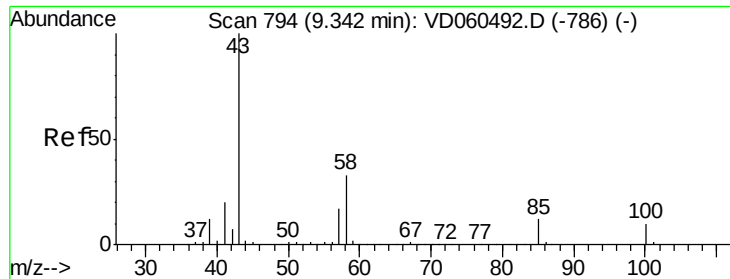
#50
Toluene-d8
Concen: 1067.161 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.7	83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 250.385 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1946317

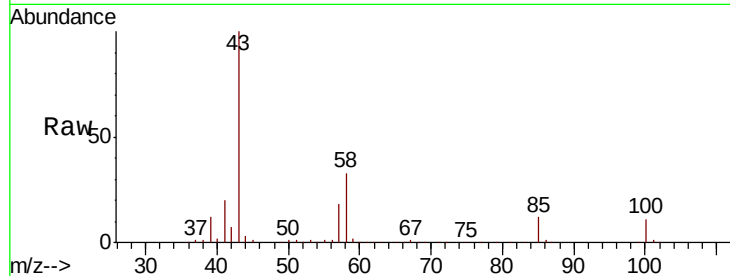
Ion Ratio Lower Upper

43 100

58 32.7 26.3 39.5

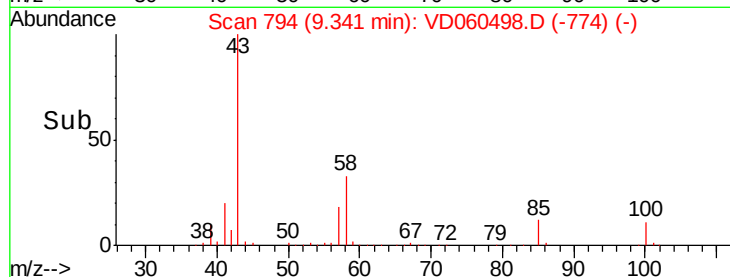
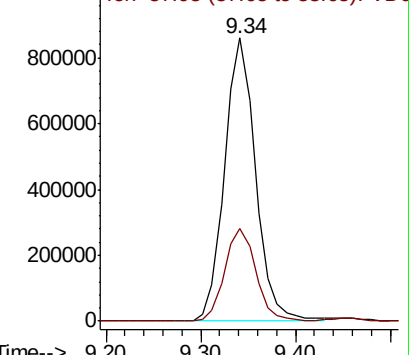
Manual Integrations

APPROVED



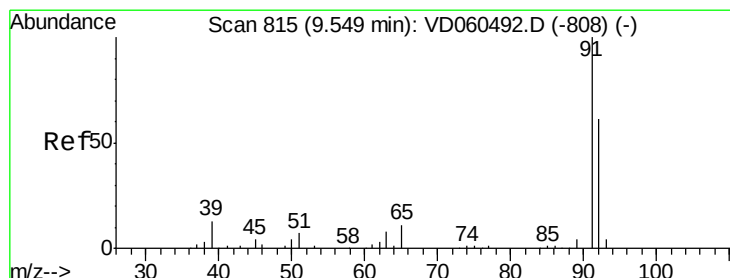
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



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#52

Toluene

Concen: 48.588 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060498.D

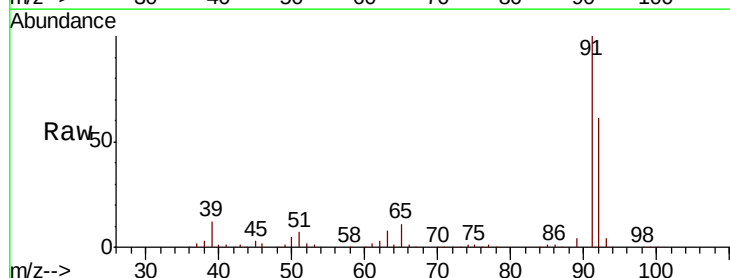
Acq: 6 Dec 2018 10:59

Tgt Ion: 92 Resp: 1811672

Ion Ratio Lower Upper

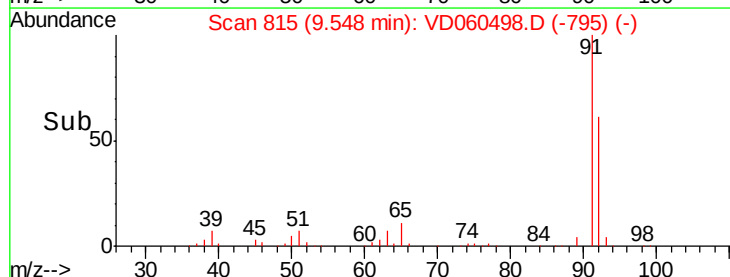
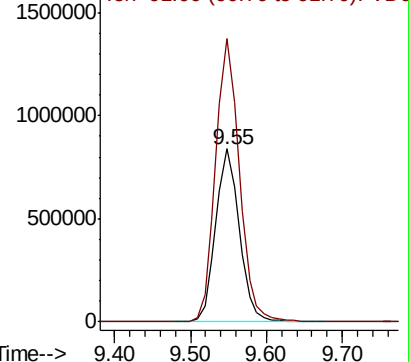
92 100

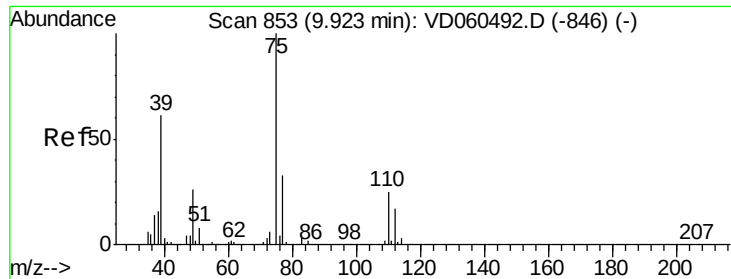
91 163.7 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.522 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 856298

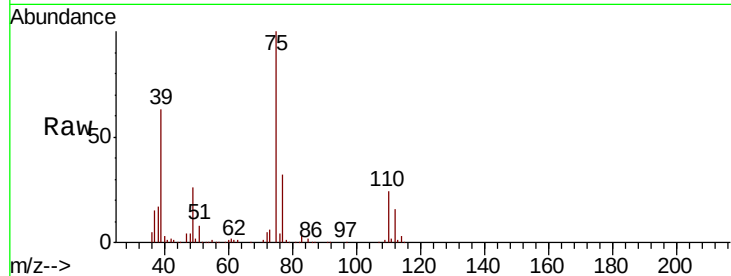
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

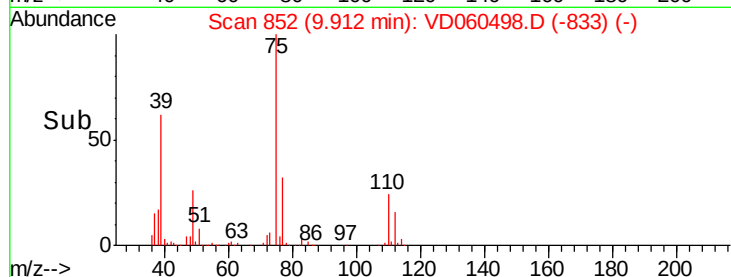
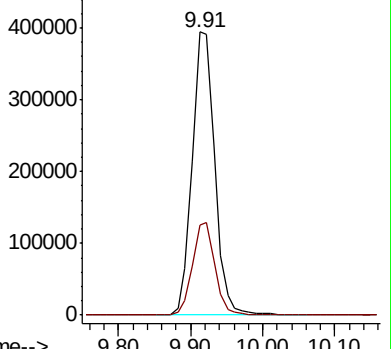
Manual Integrations

APPROVED



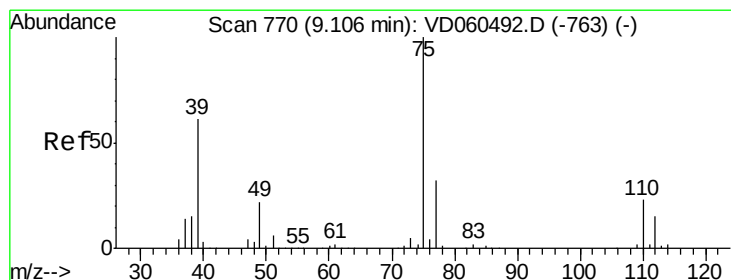
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



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#54

cis-1,3-Dichloropropene

Concen: 51.141 ug/l

RT: 9.11 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

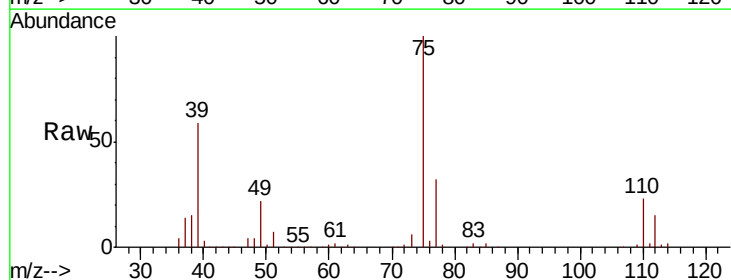
Tgt Ion: 75 Resp: 1116743

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

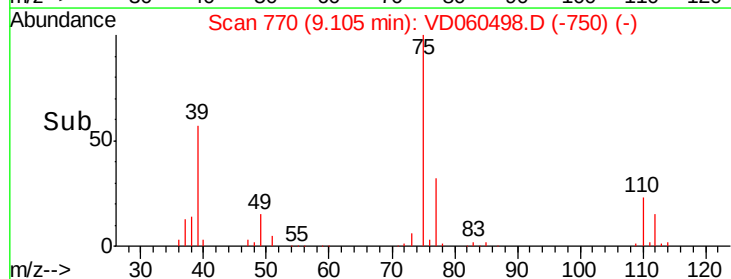
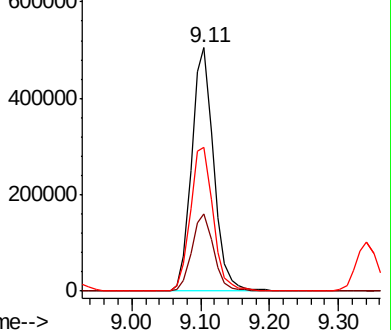
39 58.9 48.6 73.0

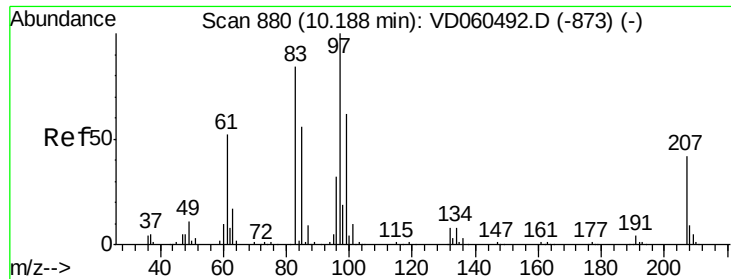


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



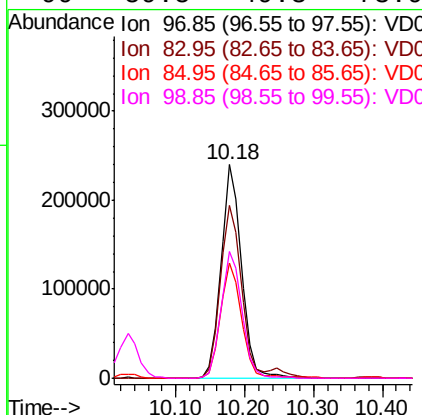
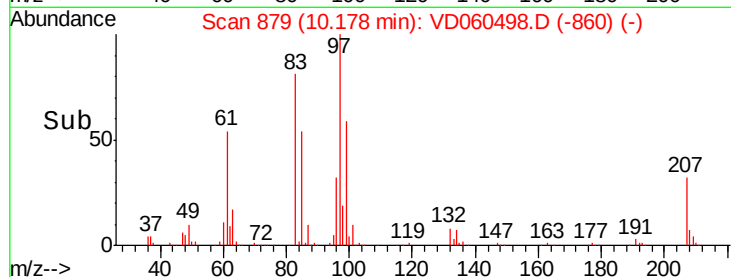
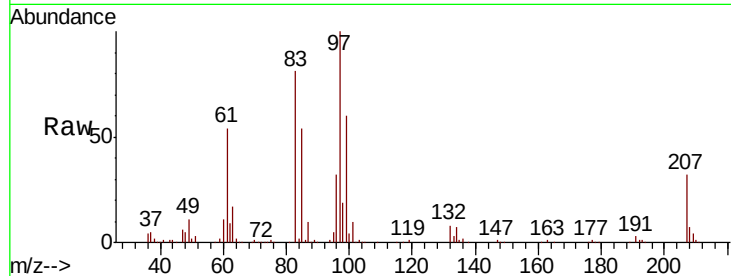


#55
 1,1,2-Trichloroethane
 Concen: 47.531 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

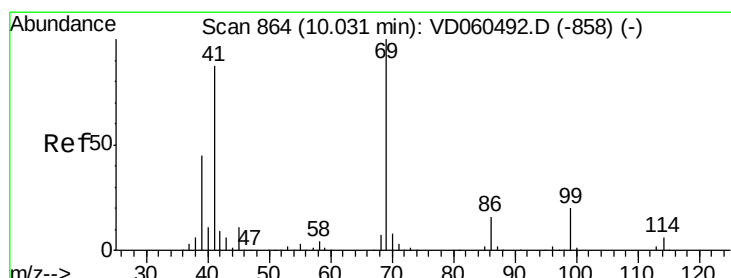
Tot Ion:	97	Resp:	493536
Ion	Ratio	Lower	Upper
97	100		
83	80.6	67.2	100.8
85	54.2	44.5	66.7
99	59.5	49.3	73.9

Manual Integrations
 APPROVED



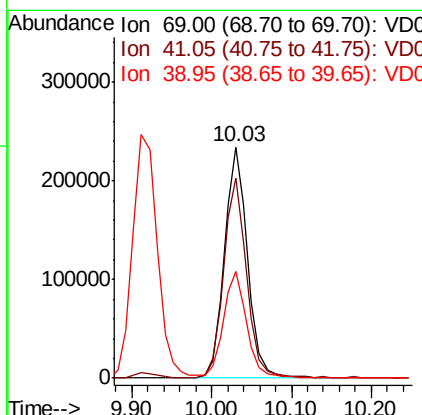
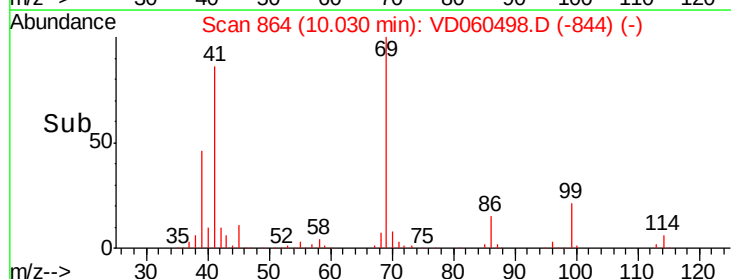
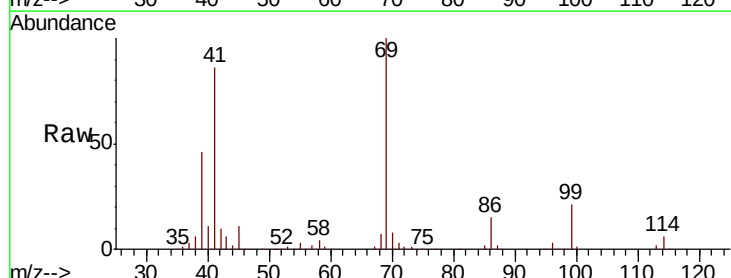
MMDadoda

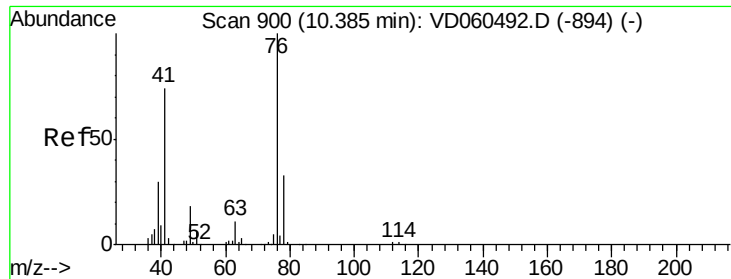
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#56
 Ethyl methacrylate
 Concen: 50.755 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion:	69	Resp:	476962
Ion	Ratio	Lower	Upper
69	100		
41	86.5	69.8	104.8
39	46.2	37.5	56.3



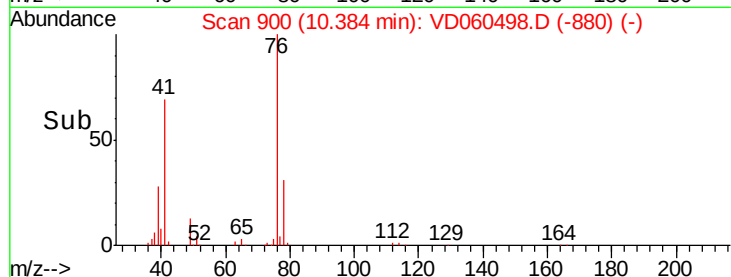
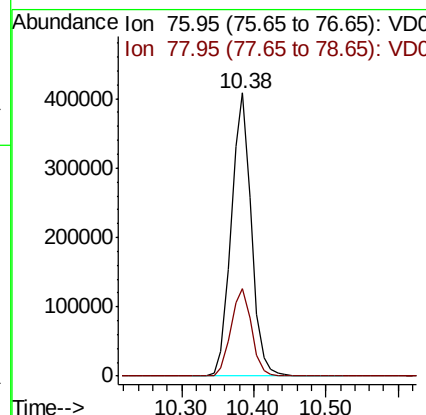
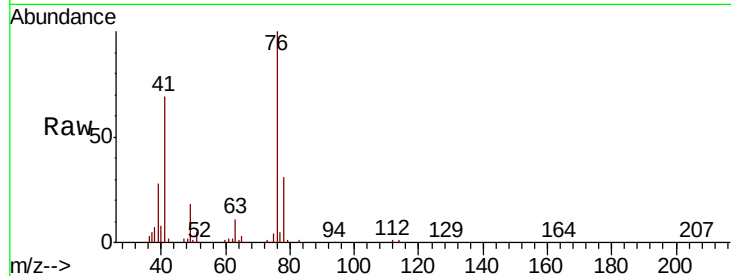


#57
 1,3-Dichloropropane
 Concen: 48.980 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

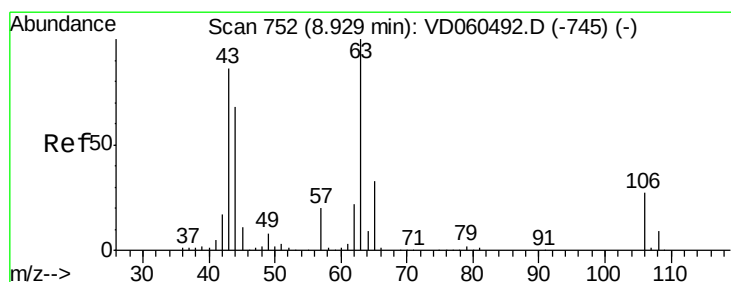
Tot Ion: 76 Resp: 786209
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.1 39.1

Manual Integrations
 APPROVED



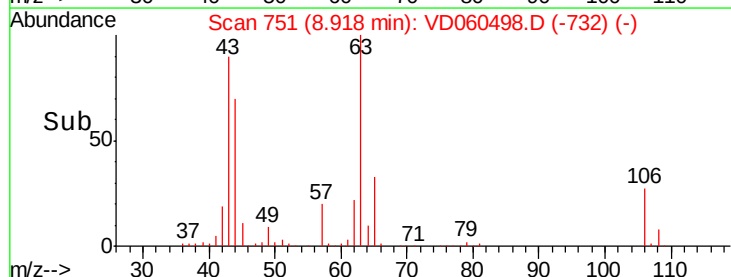
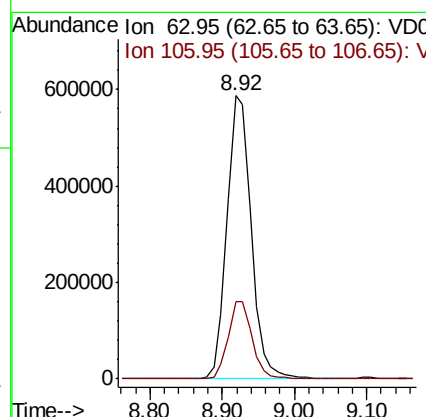
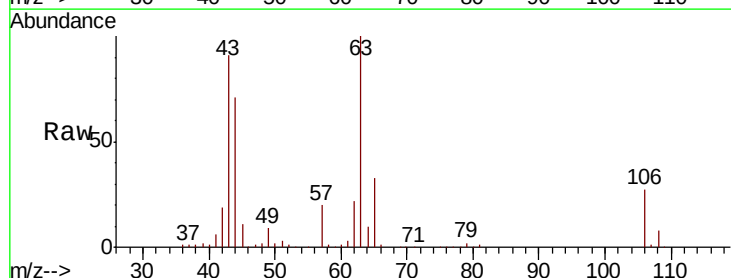
MMDadoda

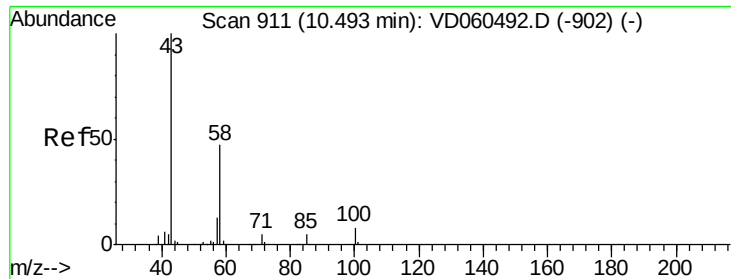
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#58
 2-Chloroethyl Vinyl ether
 Concen: 243.167 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion: 63 Resp: 1367290
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.6 32.4



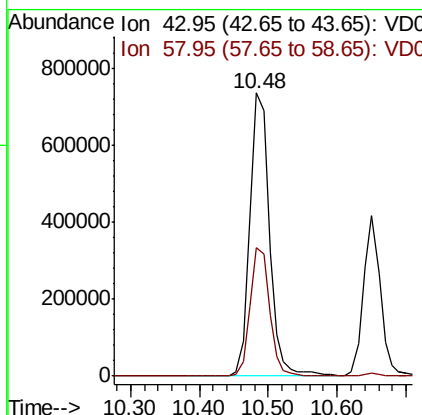
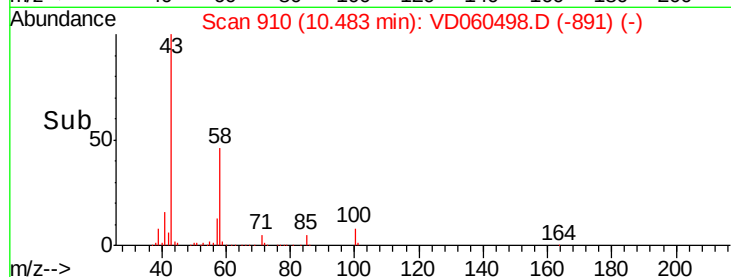
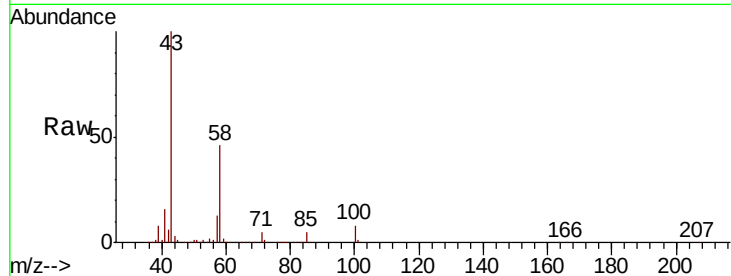


#59
2-Hexanone
Concen: 268.983 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

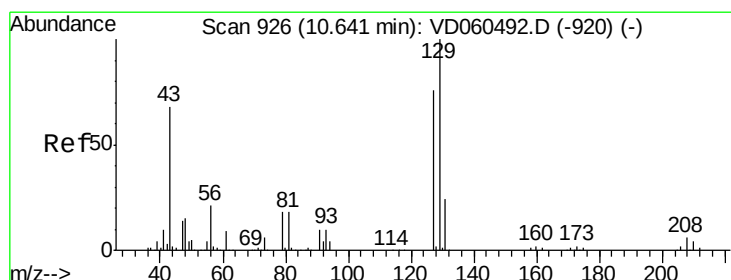
Tot Ion: 43 Resp: 1461475
Ion Ratio Lower Upper
43 100
58 45.6 23.4 70.2

Manual Integrations
APPROVED



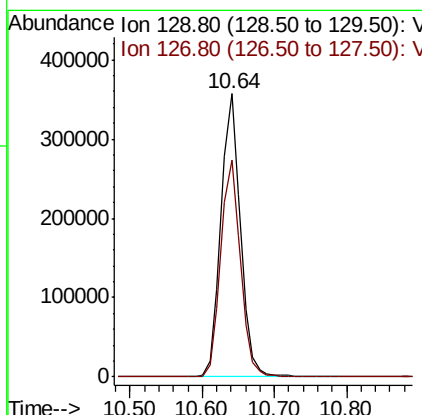
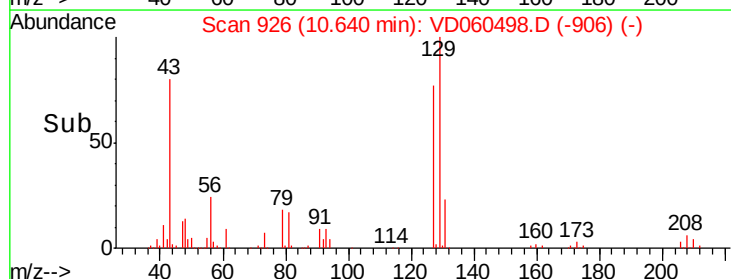
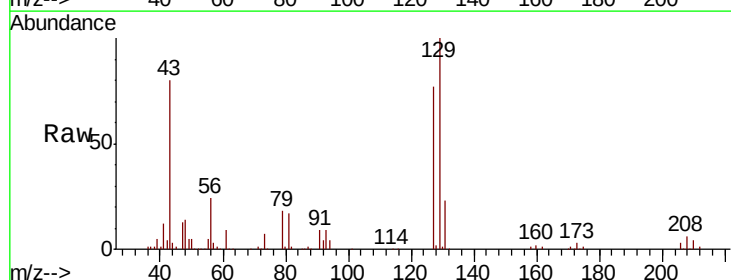
MMDadoda

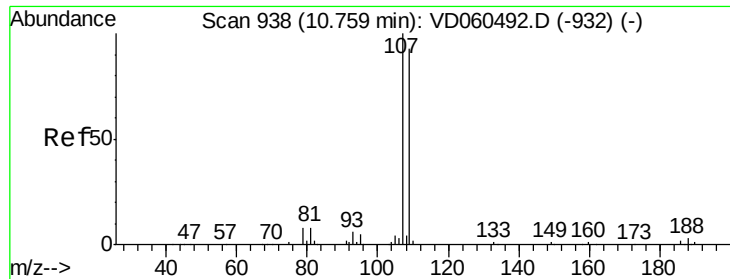
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#60
Dibromochloromethane
Concen: 51.461 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 129 Resp: 668084
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3



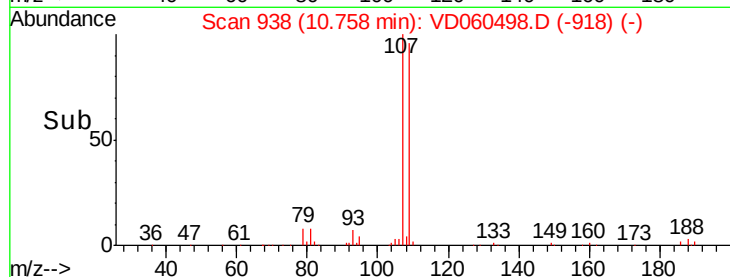
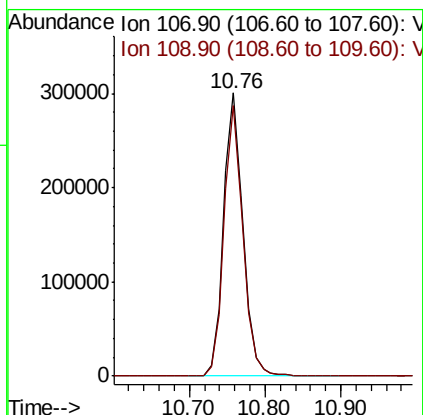
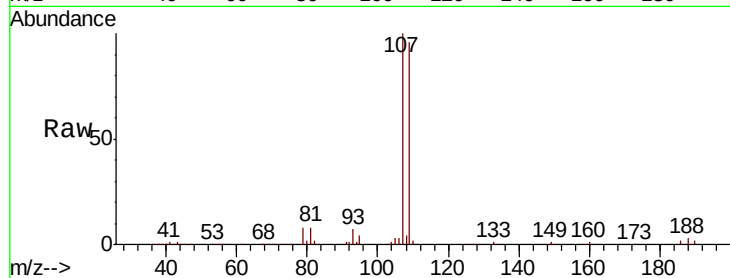


#61
 1,2-Dibromoethane
 Concen: 50.429 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

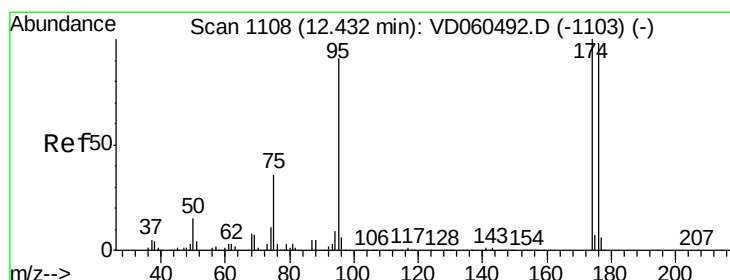
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	74.7	112.1

Manual Integrations
 APPROVED



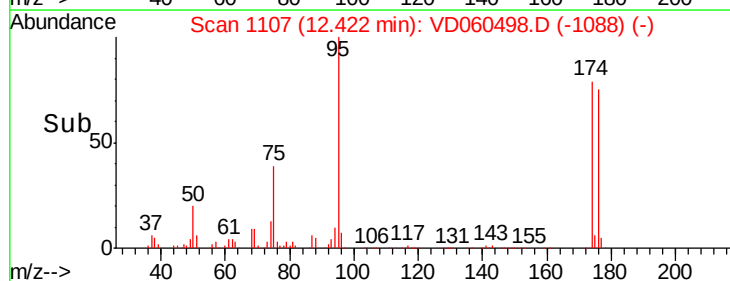
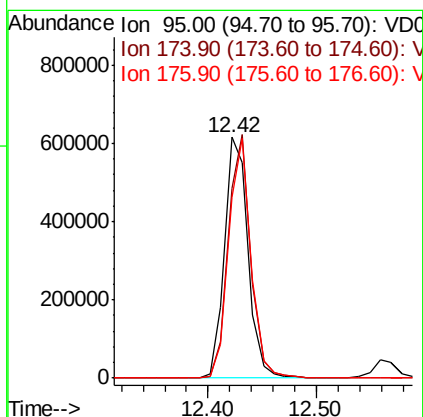
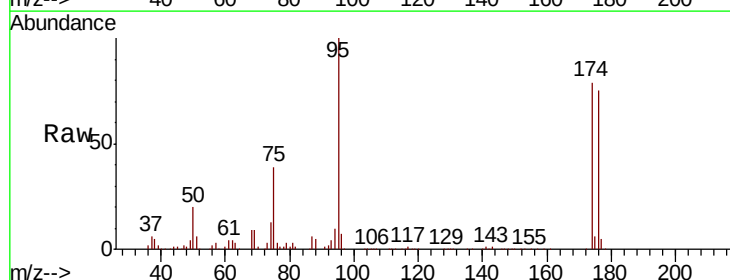
MMDadoda

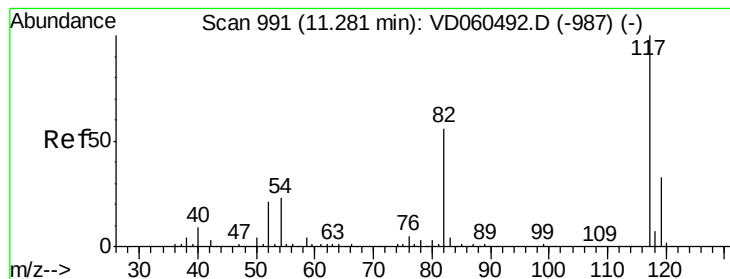
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#62
 4-Bromofluorobenzene
 Concen: 50.429 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	219.4
176	75.3	0.0	214.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1891287

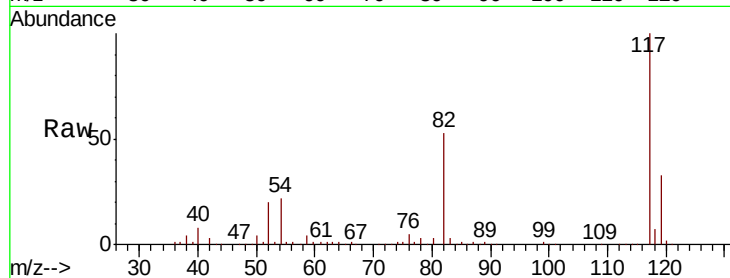
Ion Ratio Lower Upper

117 100

82 53.1 45.2 67.8

119 32.7 26.1 39.1

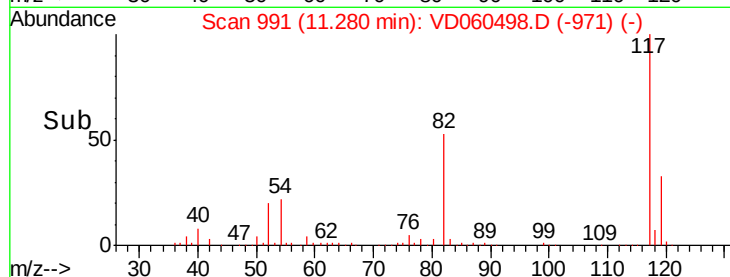
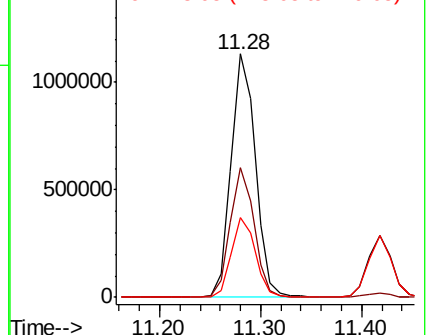
Manual Integrations
APPROVED



Abundance Ion 116.95 (116.65 to 117.65): V

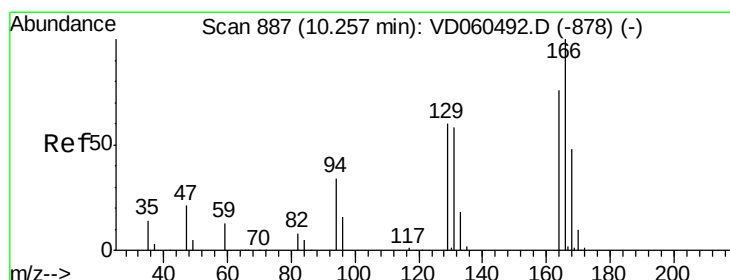
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



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#64

Tetrachloroethene

Concen: 48.522 ug/l

RT: 10.25 min Scan# 886

Delta R.T. -0.01 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Tgt Ion:164 Resp: 812605

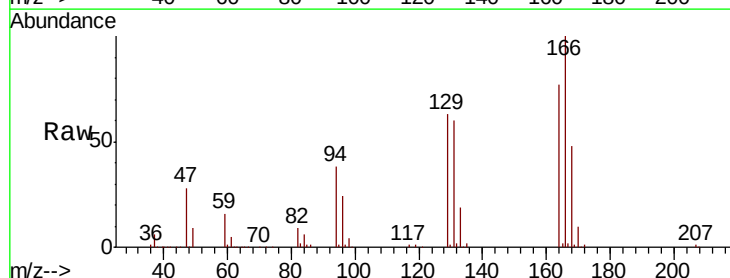
Ion Ratio Lower Upper

164 100

166 129.8 105.0 157.6

129 81.9 63.0 94.4

131 77.4 60.6 90.8

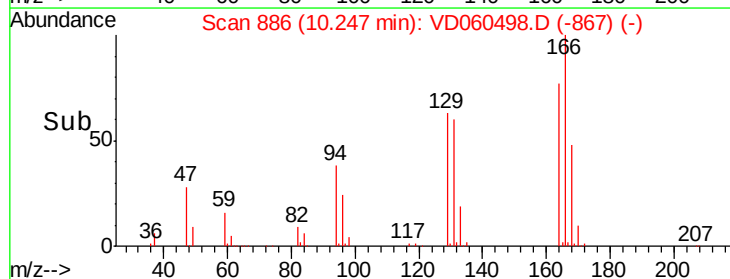
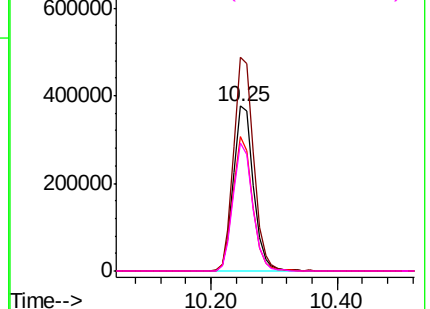


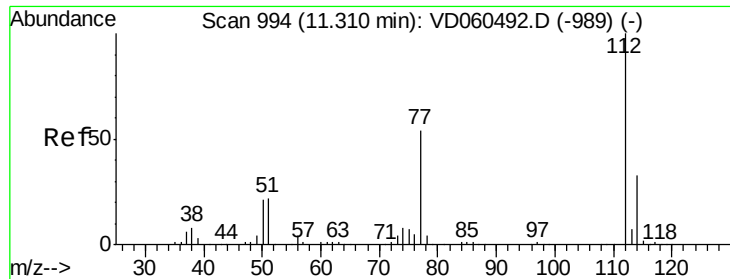
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



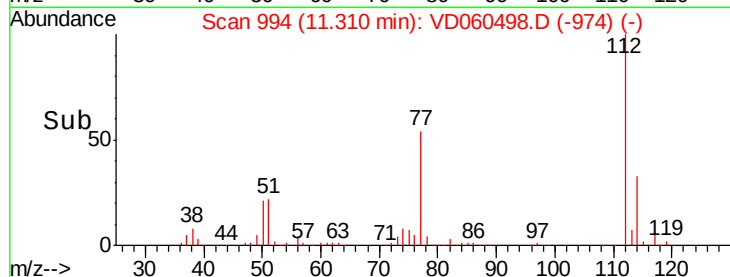
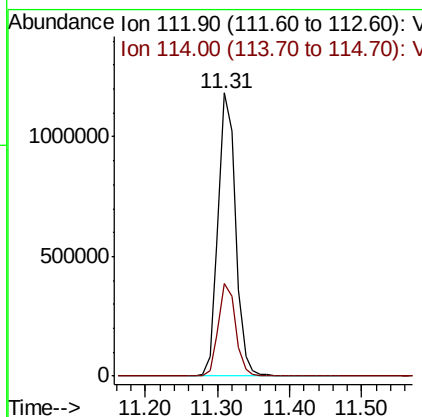
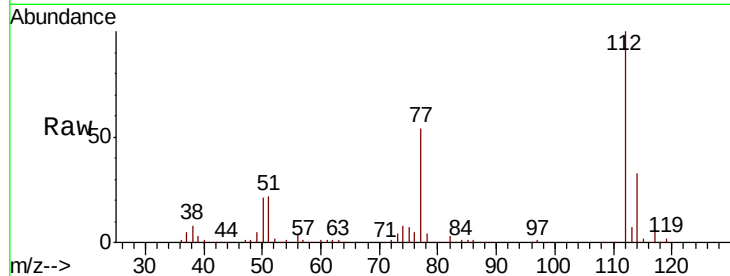


#65
Chlorobenzene
Concen: 49.351 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

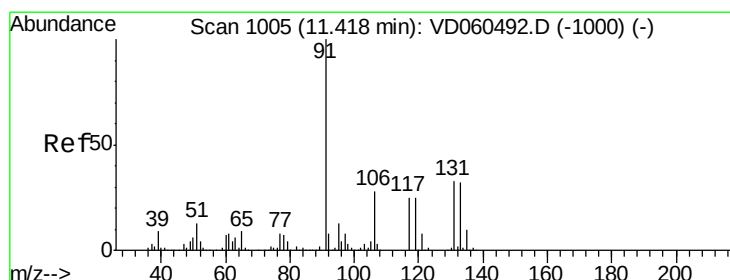
Tot Ion:112 Resp: 1974602
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4

Manual Integrations
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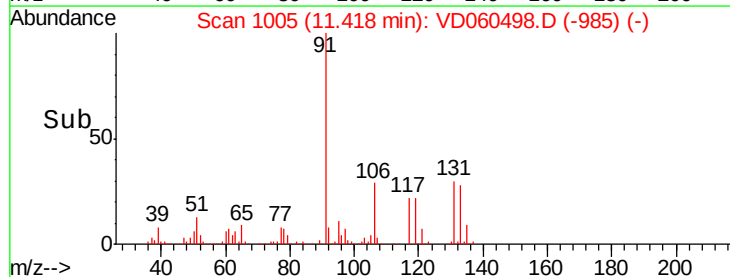
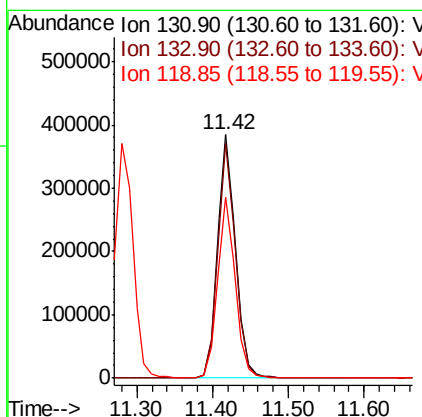
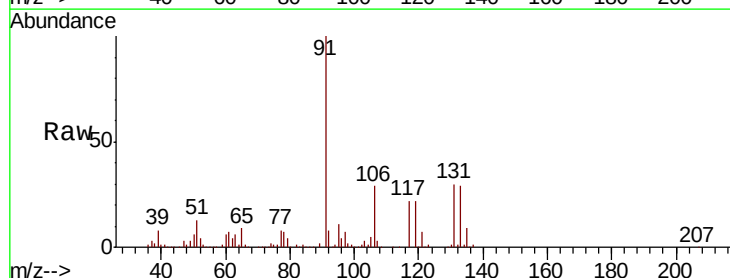
MMDadoda

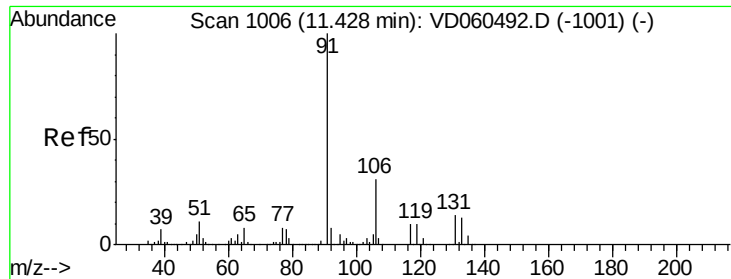
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.949 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion:131 Resp: 644152
Ion Ratio Lower Upper
131 100
133 96.5 49.1 147.3
119 74.1 37.5 112.3





#67

Ethyl Benzene

Concen: 48.717 ug/l

RT: 11.43 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

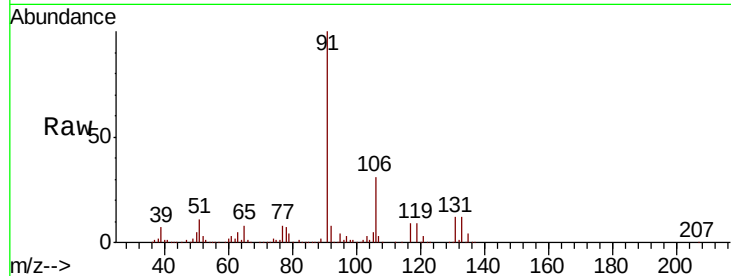
Tot Ion: 91 Resp: 3324829

Ion Ratio Lower Upper

91 100

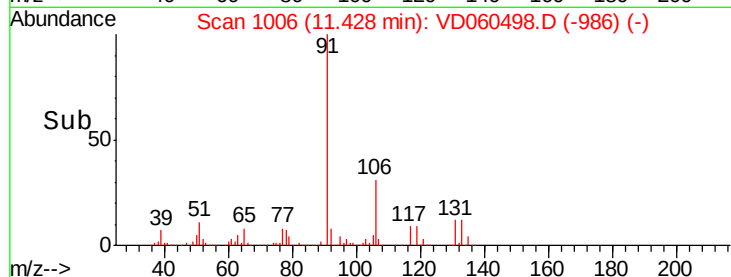
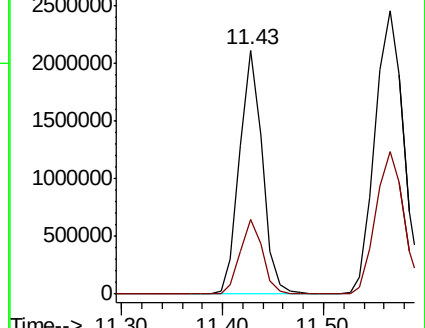
106 30.5 24.6 37.0

Manual Integrations
APPROVED



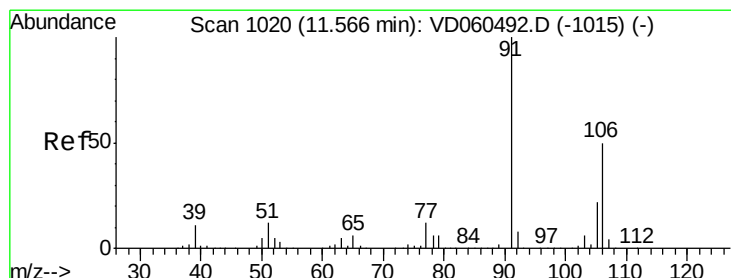
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



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#68

m/p-Xylenes

Concen: 95.884 ug/l

RT: 11.57 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD060498.D

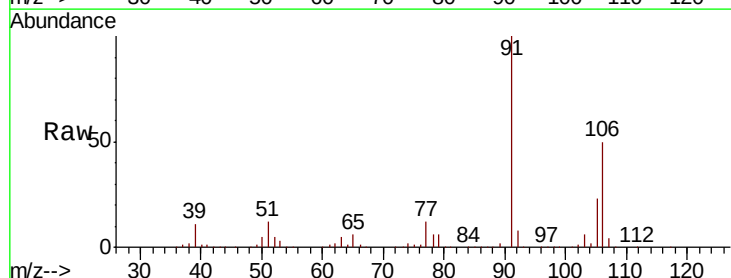
Acq: 6 Dec 2018 10:59

Tgt Ion: 106 Resp: 2420938

Ion Ratio Lower Upper

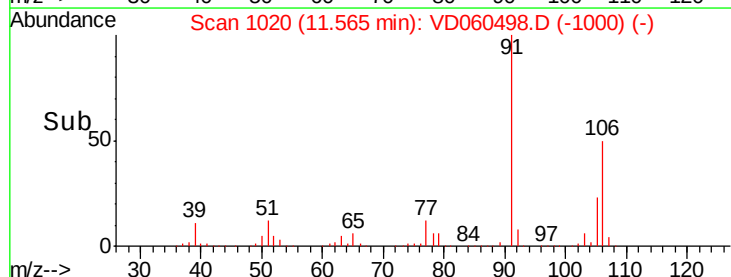
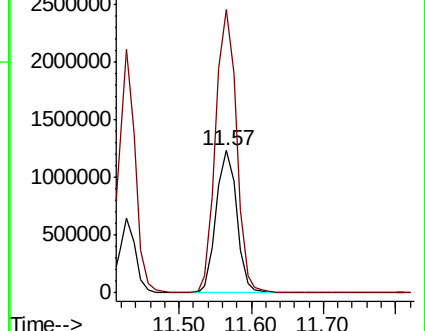
106 100

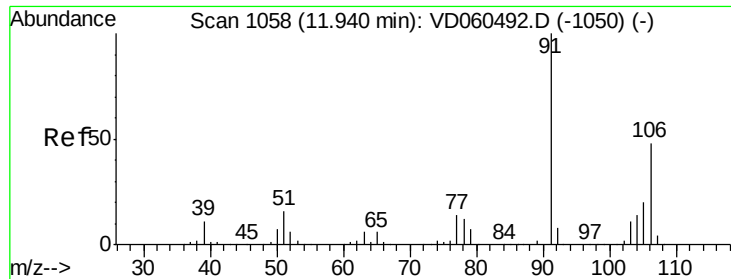
91 198.9 160.5 240.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



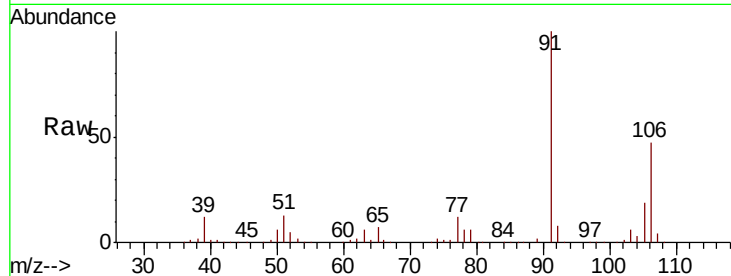


#69
o-Xylene
Concen: 48.766 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

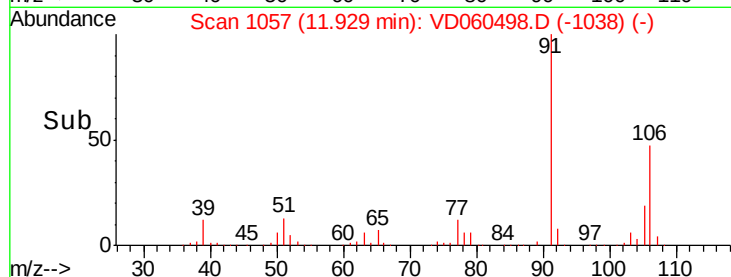
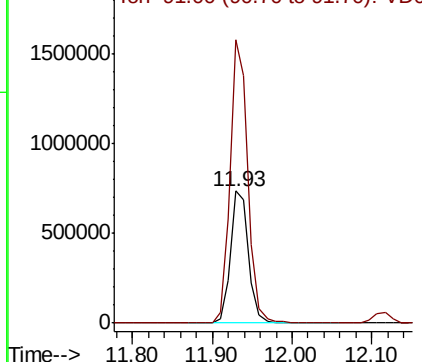
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1173408
Ion Ratio Lower Upper
106 100
91 214.7 103.4 310.1

Manual Integrations
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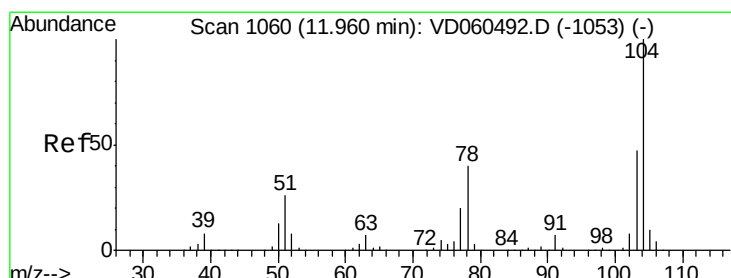


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V



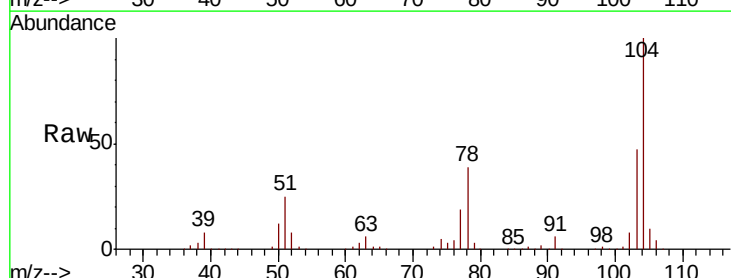
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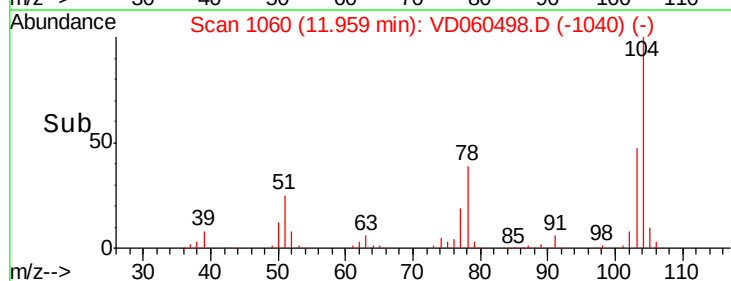
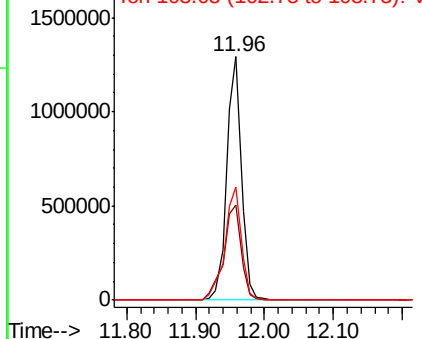


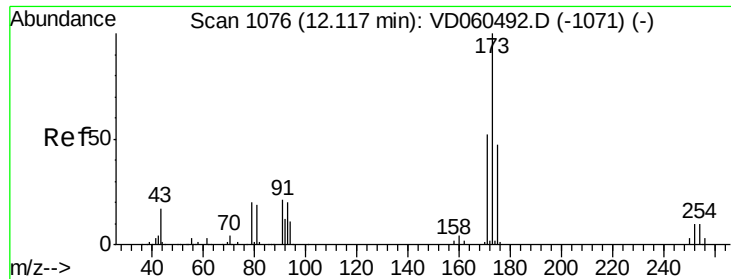
#70
Styrene
Concen: 49.468 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion:104 Resp: 1910586
Ion Ratio Lower Upper
104 100
78 38.9 32.1 48.1
103 46.6 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



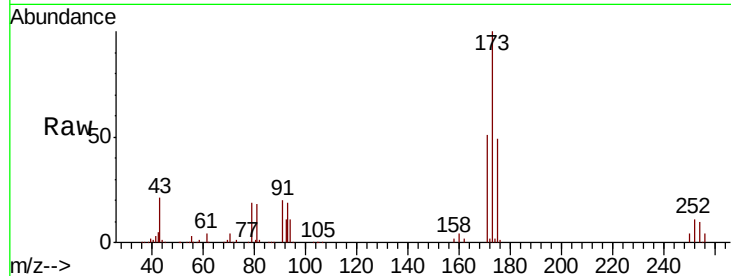


#71
Bromoform
Concen: 50.108 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

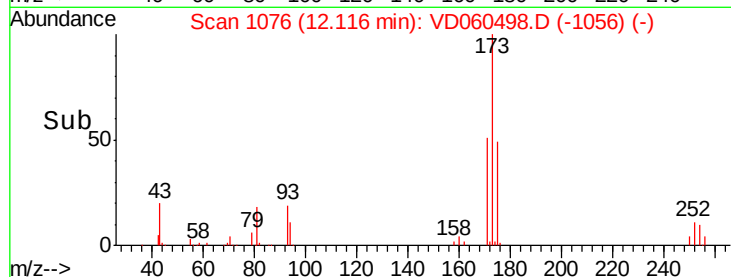
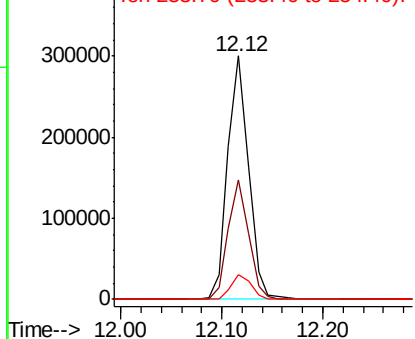
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.5	70.6
254	10.4	7.8	11.8

Manual Integrations
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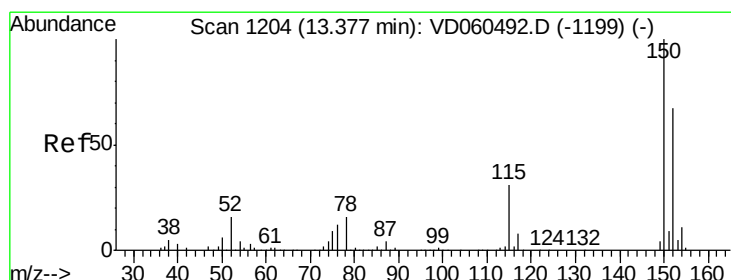


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



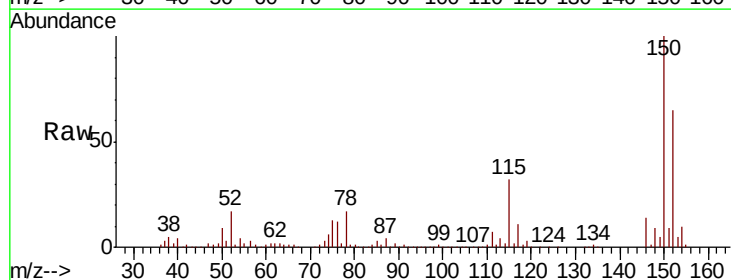
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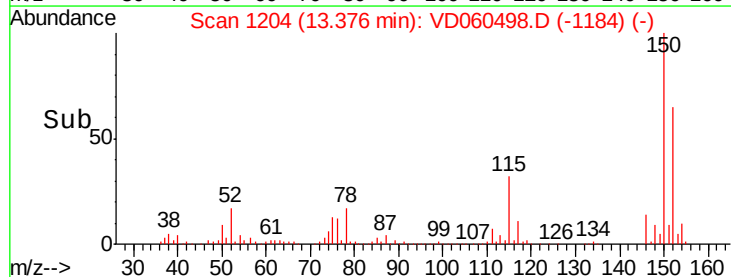
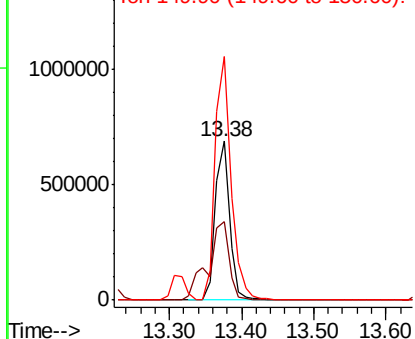


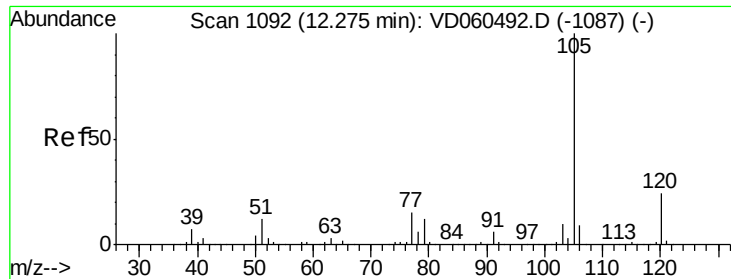
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.7	24.6	74.0
150	153.2	0.0	309.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.313 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

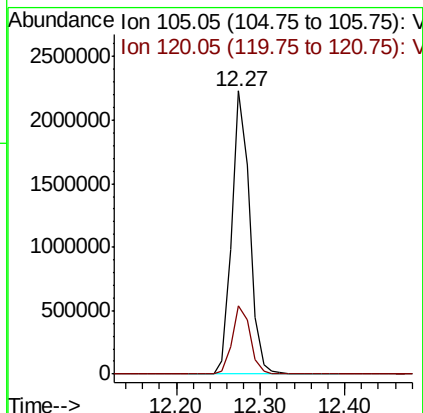
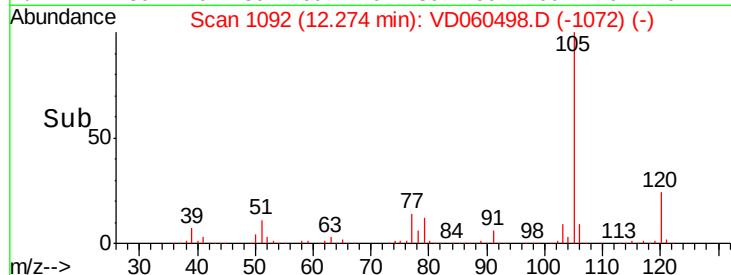
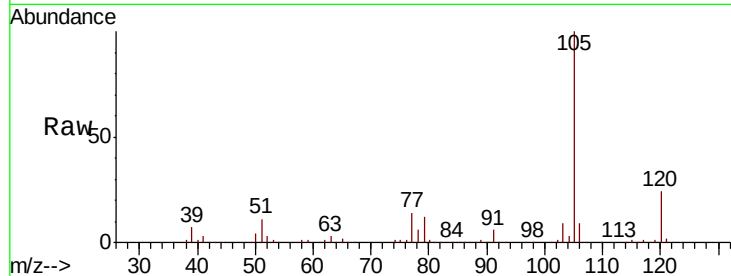
Tot Ion:105 Resp: 3268561

Ion Ratio Lower Upper

105 100

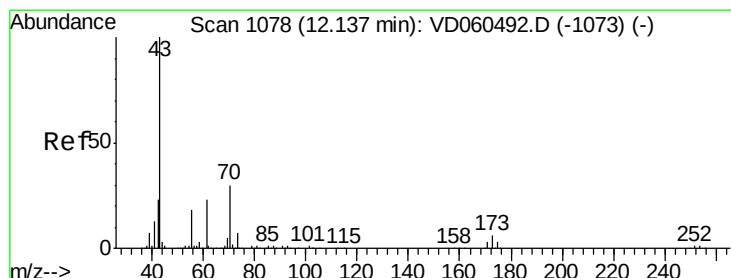
120 24.2 11.9 35.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 49.280 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Tgt Ion: 43 Resp: 789430

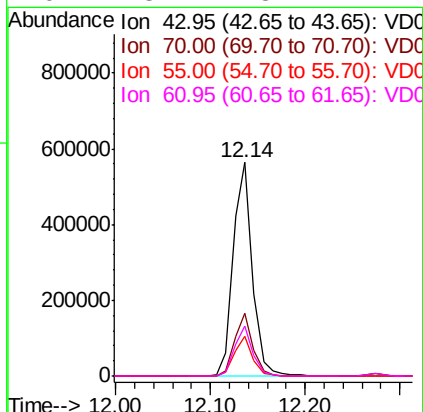
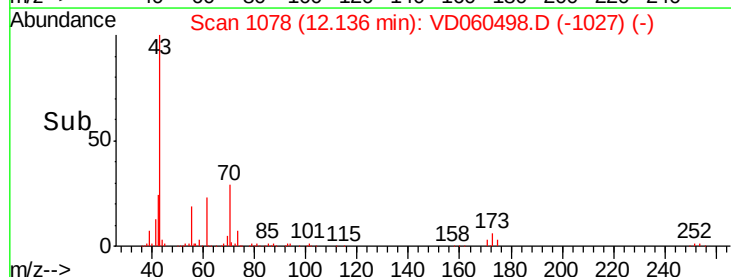
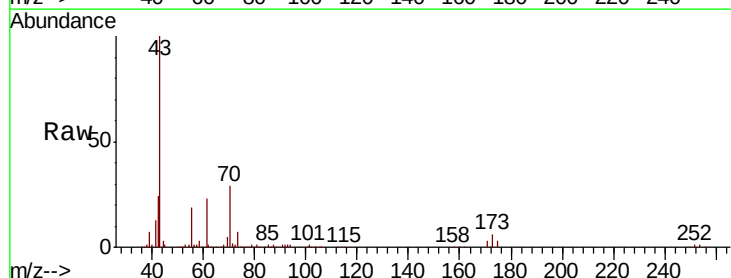
Ion Ratio Lower Upper

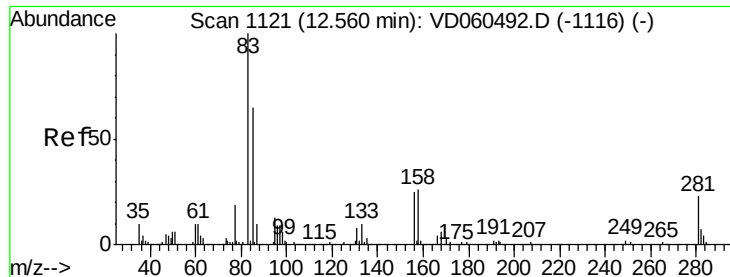
43 100

70 29.3 23.8 35.8

55 18.7 14.2 21.2

61 23.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.909 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

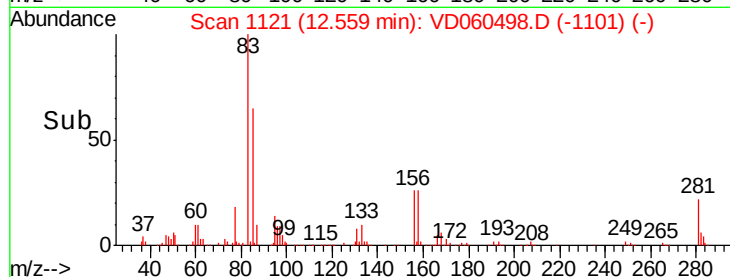
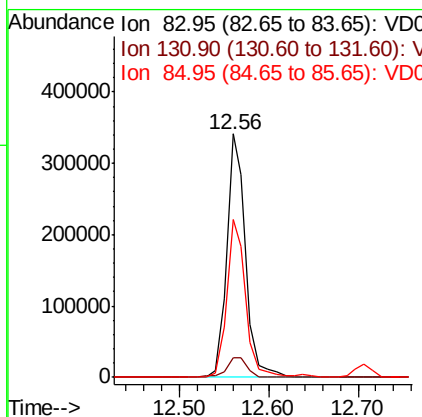
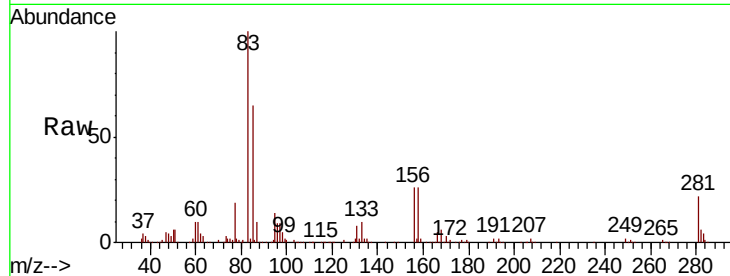
MSVOA_D

ClientSampleId :

VSTDCCC050

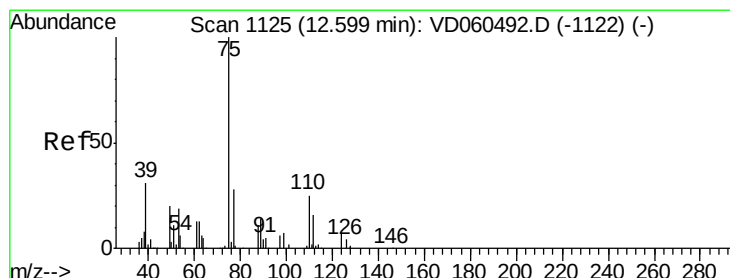
Tot Ion:	83	Resp:	508382
Ion Ratio	Lower	Upper	
83	100		
131	8.0	3.8	11.4
85	64.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.403 ug/l

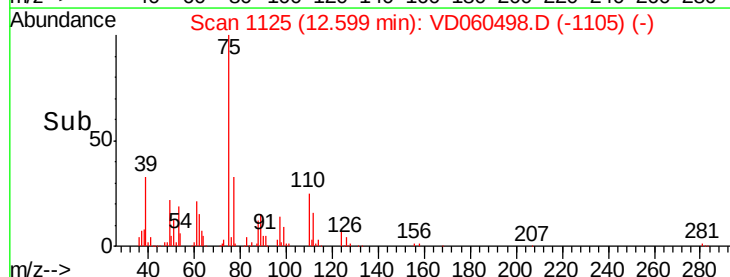
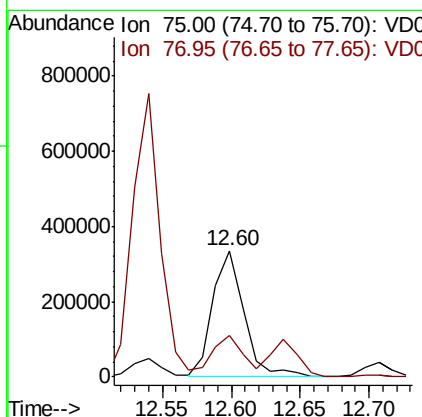
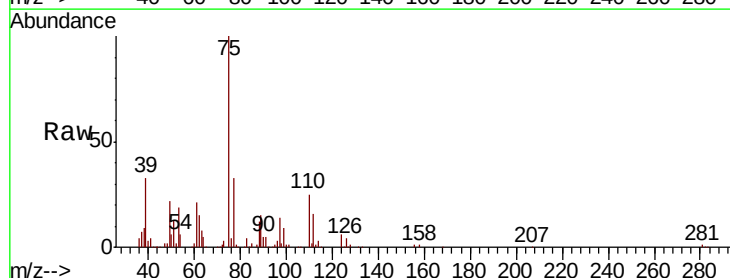
RT: 12.60 min Scan# 1125

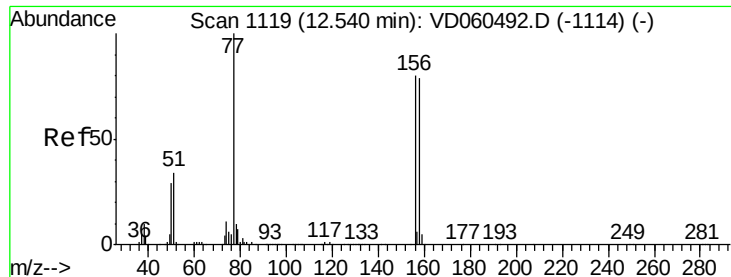
Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Tgt Ion:	75	Resp:	524318
Ion Ratio	Lower	Upper	
75	100		
77	32.8	16.4	49.4





#77

Bromobenzene

Concen: 49.058 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

Instrument :

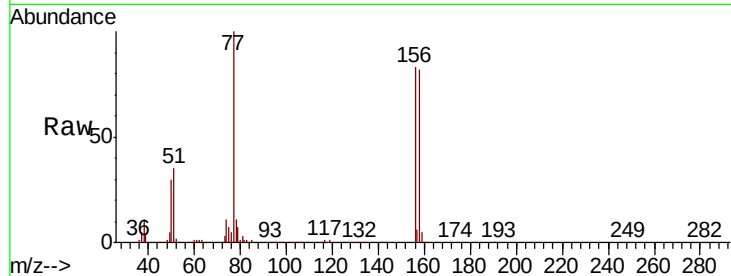
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	121.2	62.5	187.6
158	99.2	49.4	148.2

Manual Integrations
APPROVED

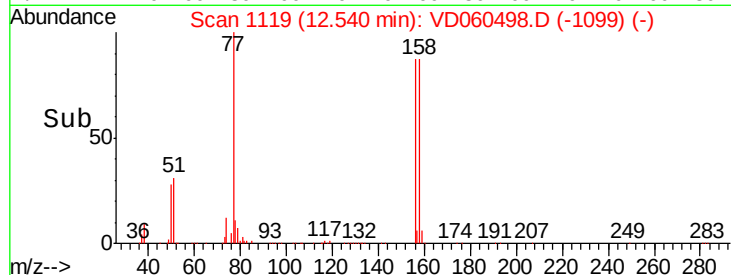
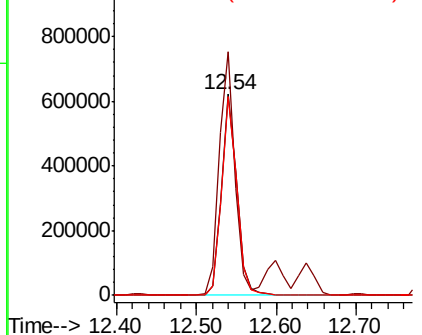


Abundance

Ion 155.90 (155.60 to 156.60): V

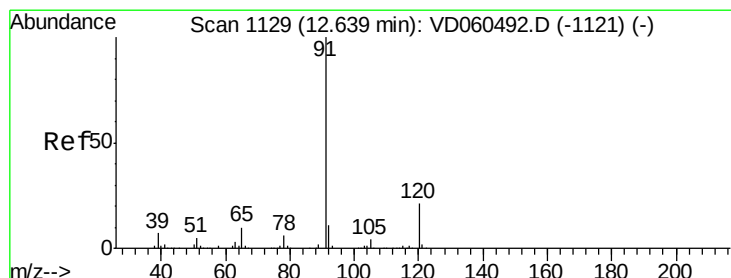
Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



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#78

n-propylbenzene

Concen: 46.848 ug/l

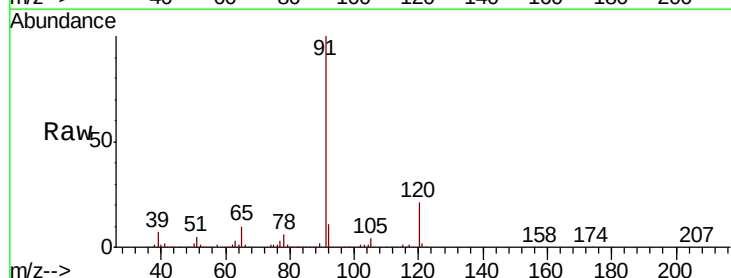
RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060498.D

Acq: 6 Dec 2018 10:59

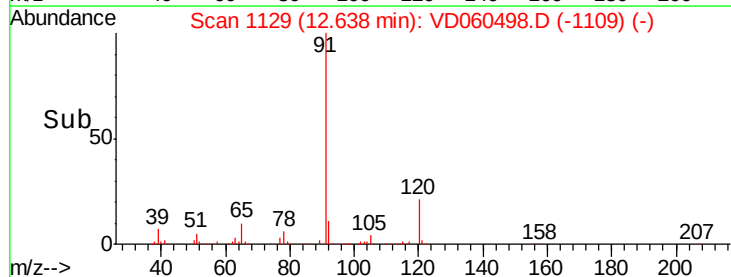
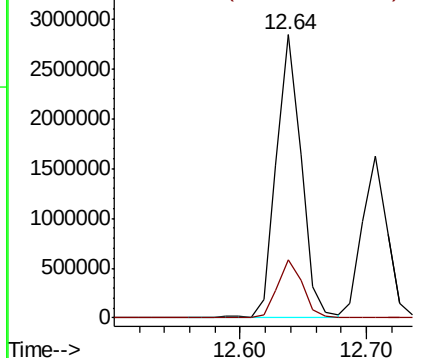
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.4	31.1

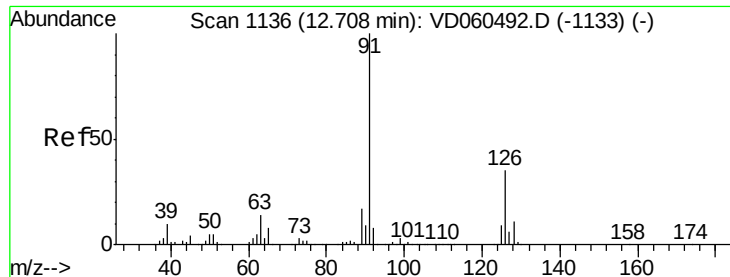


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



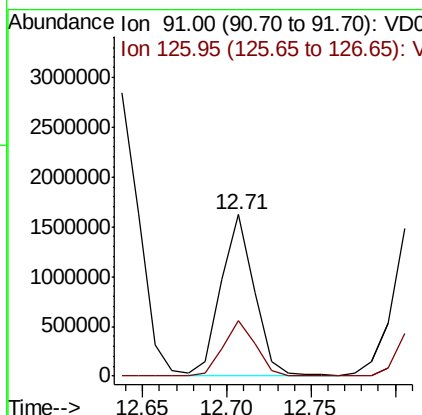
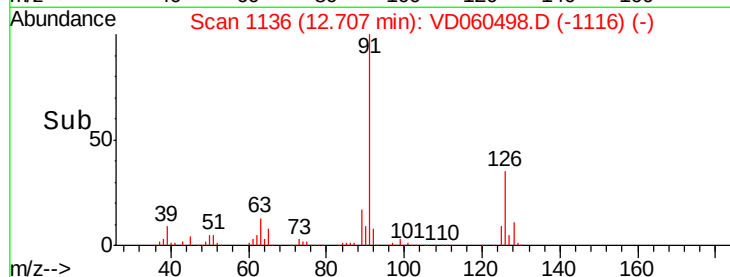
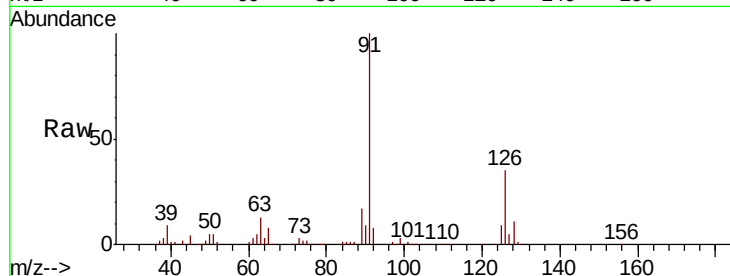


#79
2-Chlorotoluene
Concen: 48.820 ug/l
RT: 12.71 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

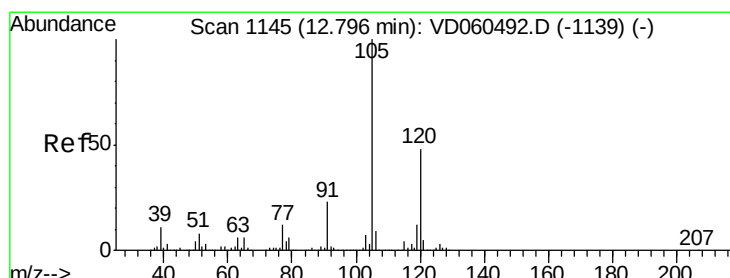
Tot Ion: 91 Resp: 2219643
Ion Ratio Lower Upper
91 100
126 34.6 17.3 52.0

Manual Integrations
APPROVED



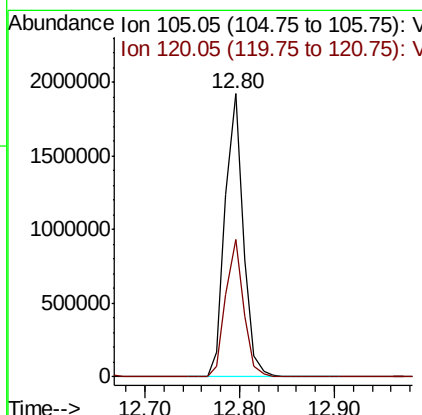
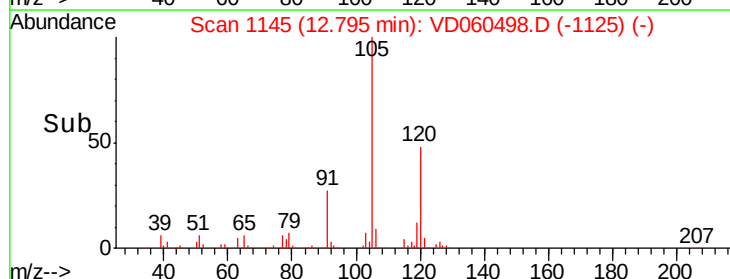
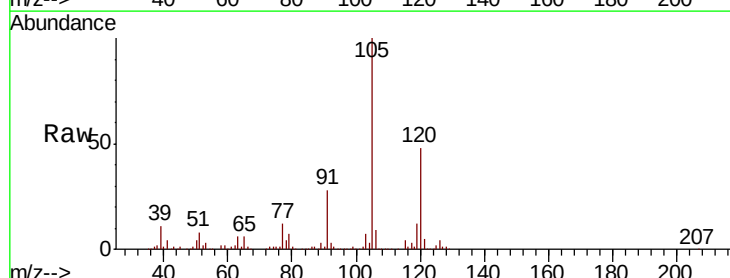
MMDadoda

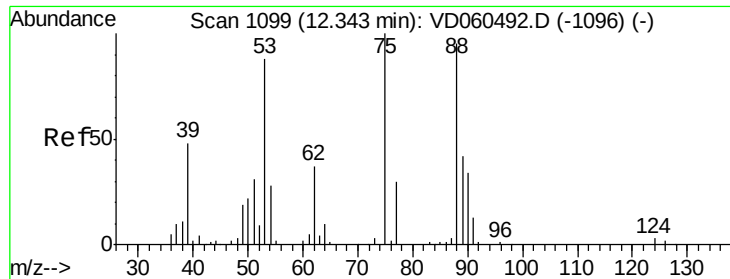
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#80
1,3,5-Trimethylbenzene
Concen: 50.326 ug/l
RT: 12.80 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 105 Resp: 2548875
Ion Ratio Lower Upper
105 100
120 48.4 24.2 72.6



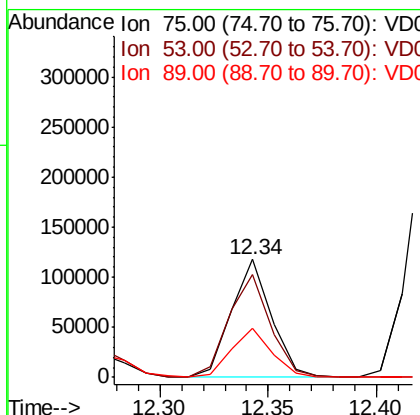
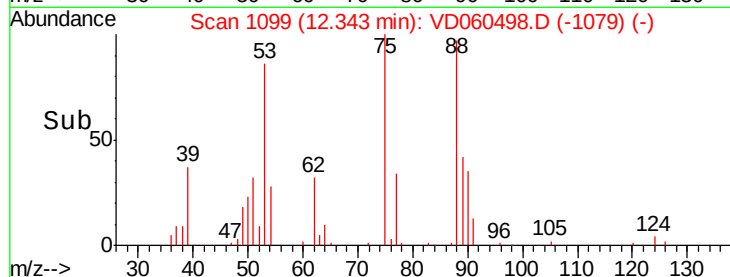
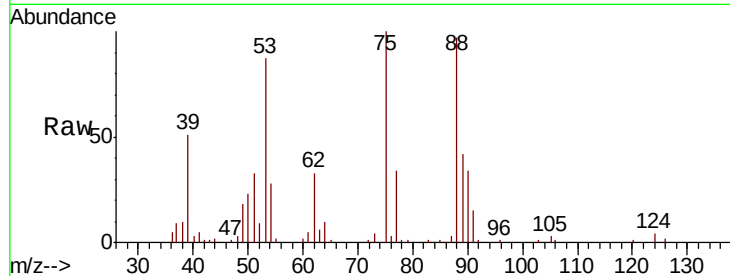


#81
trans-1,4-Dichloro-2-butene
Concen: 50.622 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

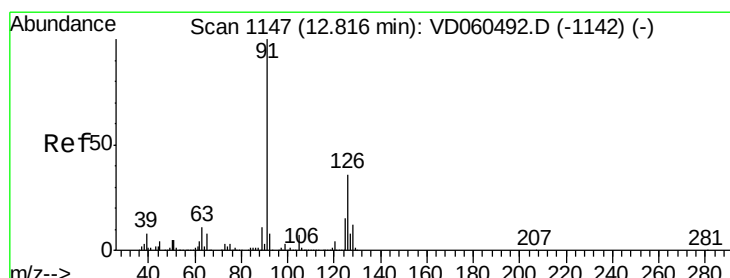
Tot Ion	Ratio	Lower	Upper
75	100		
53	87.0	70.5	105.7
89	41.8	33.6	50.4

Manual Integrations
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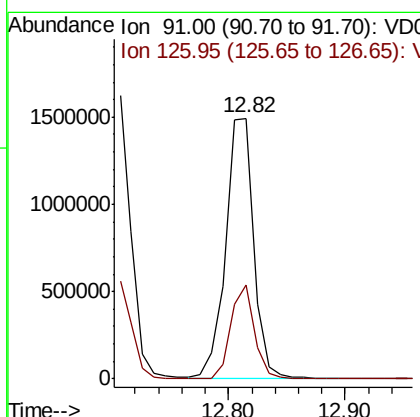
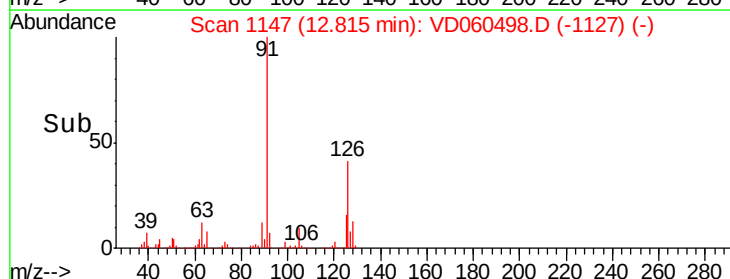
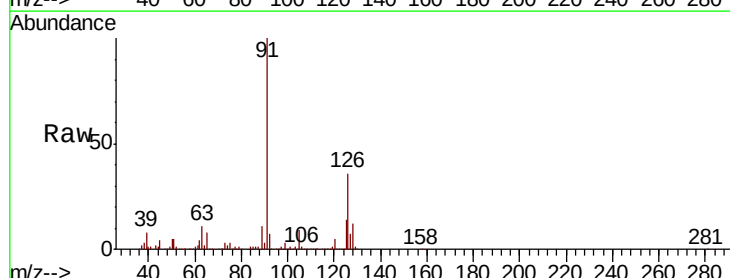
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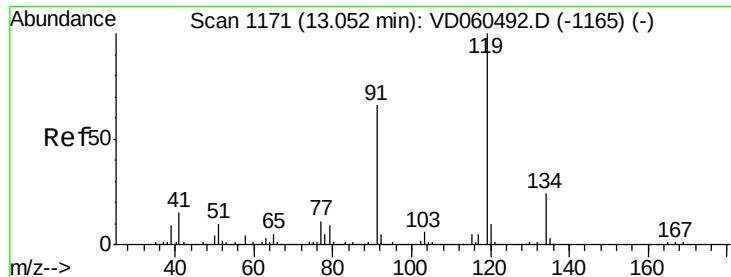
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#82
4-Chlorotoluene
Concen: 48.549 ug/l
RT: 12.82 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.4



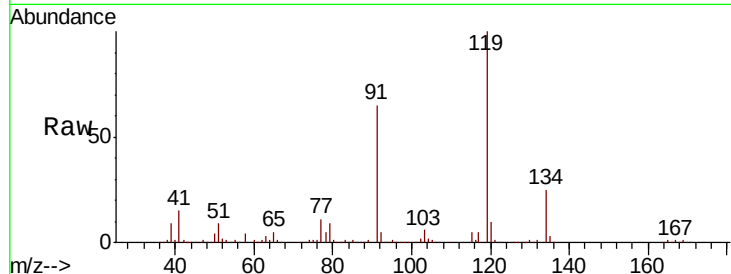


#83
tert-Butylbenzene
Concen: 49.877 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

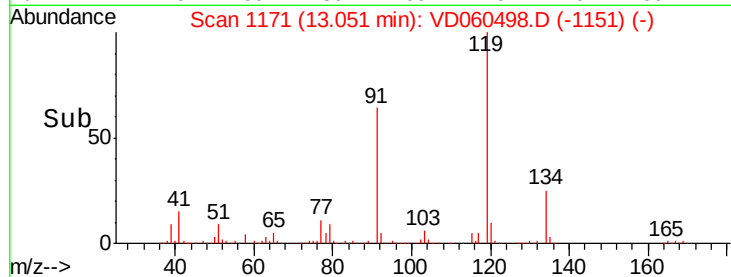
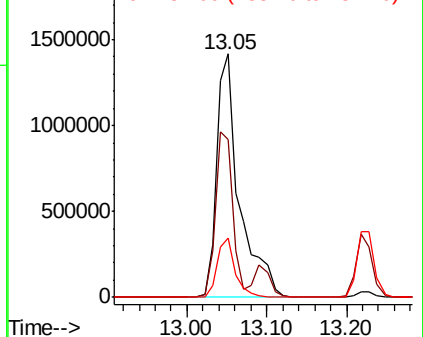
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	33.1	99.2
134	24.5	12.0	36.0

Manual Integrations
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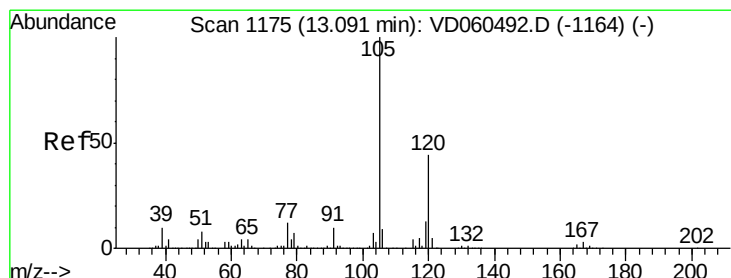


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



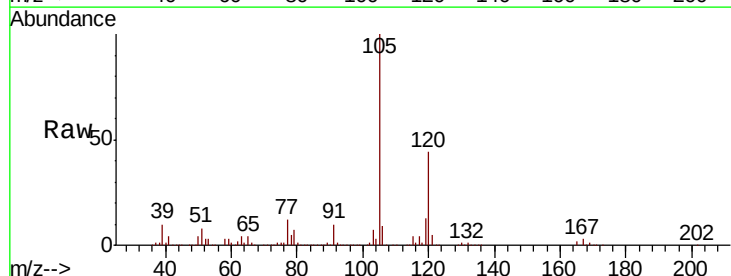
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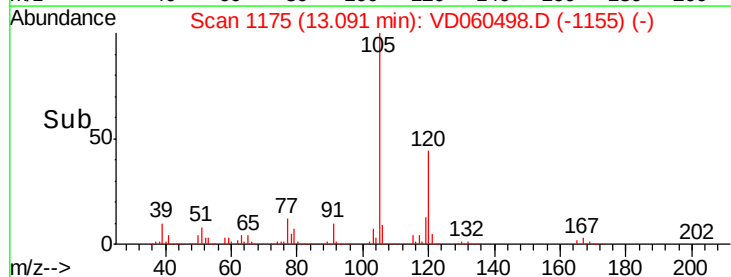
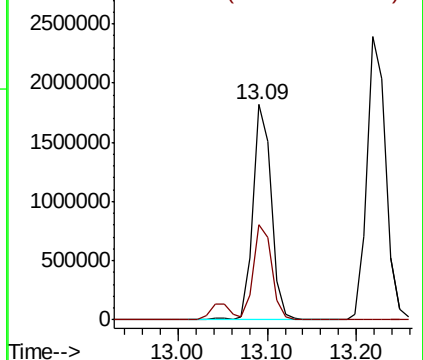


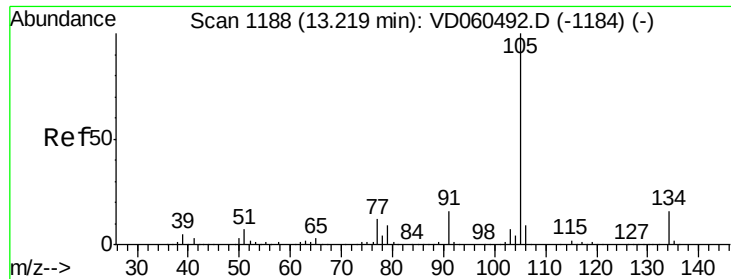
#84
1,2,4-Trimethylbenzene
Concen: 48.425 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V



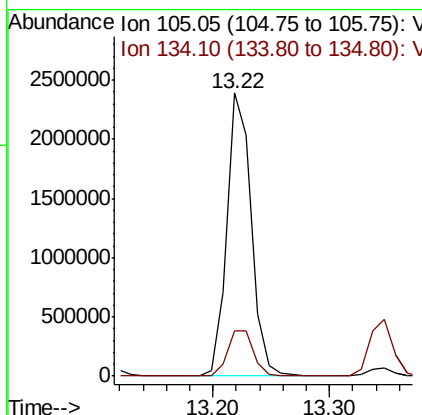
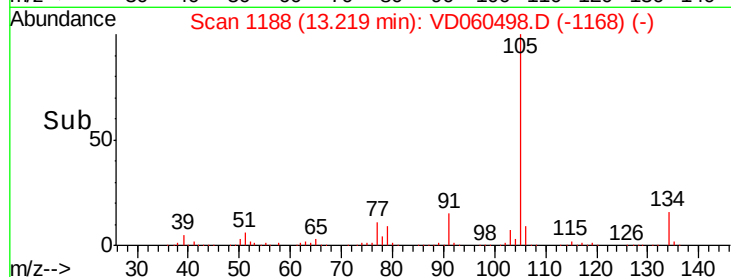
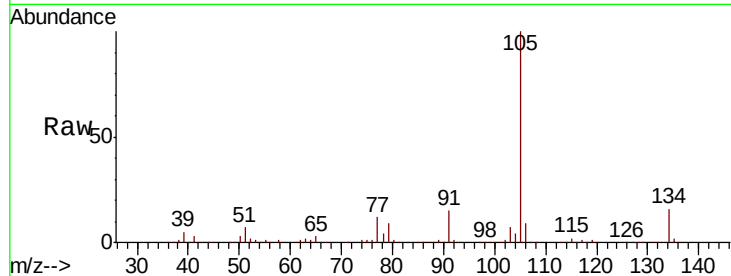


#85
 sec-Butylbenzene
 Concen: 48.654 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

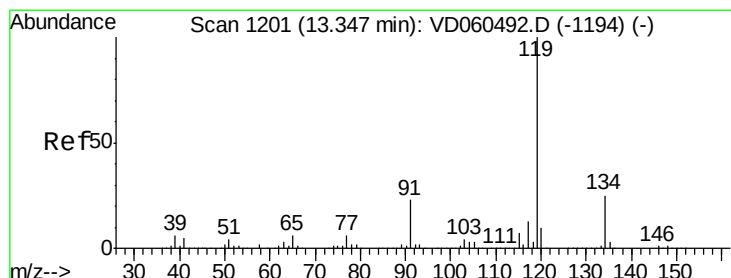
Tot Ion:105 Resp: 3443671
 Ion Ratio Lower Upper
 105 100
 134 16.0 7.9 23.7

Manual Integrations
 APPROVED



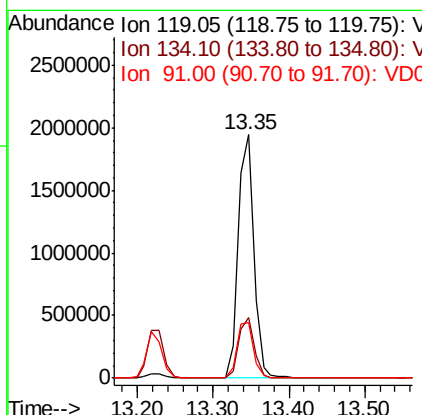
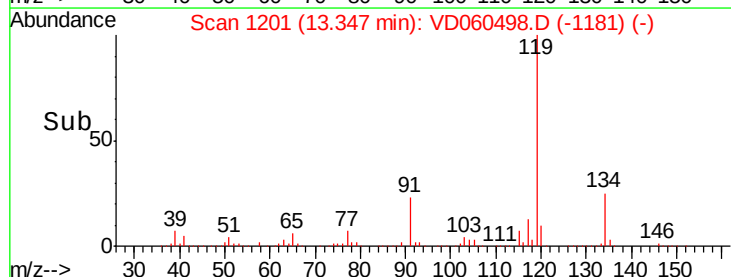
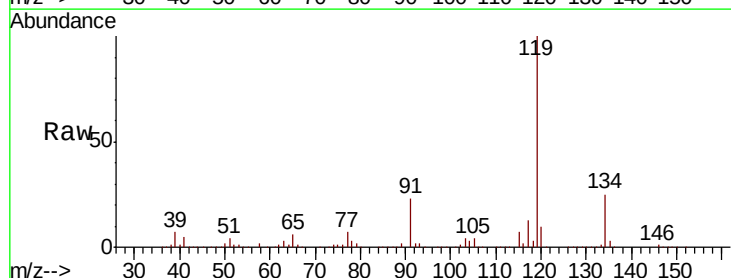
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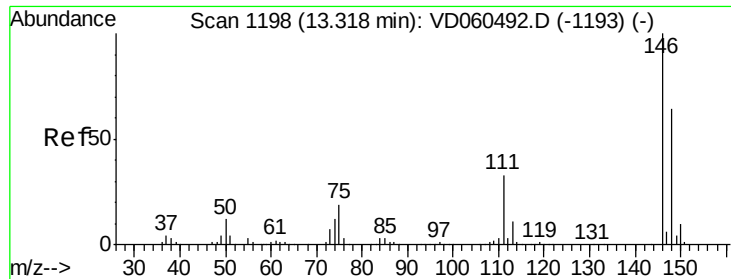
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#86
 p-Isopropyltoluene
 Concen: 48.683 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion:119 Resp: 2731474
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 23.0 11.5 34.4



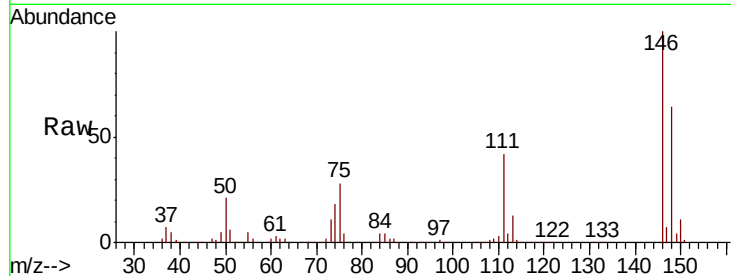


#87
 1,3-Dichlorobenzene
 Concen: 47.432 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

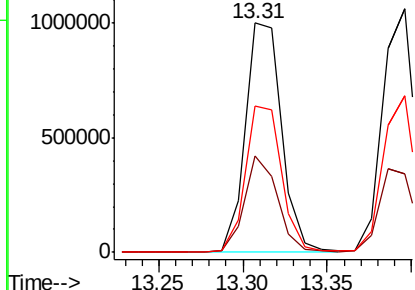
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	16.5	49.5
148	63.9	32.3	96.8

Manual Integrations
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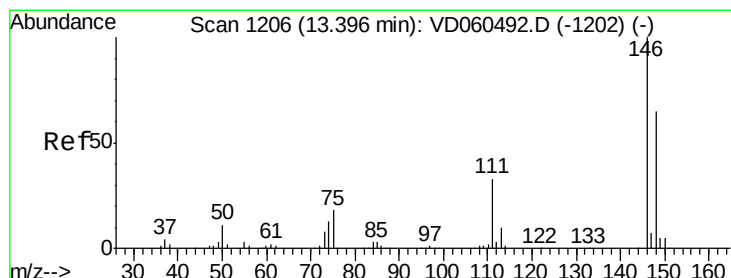
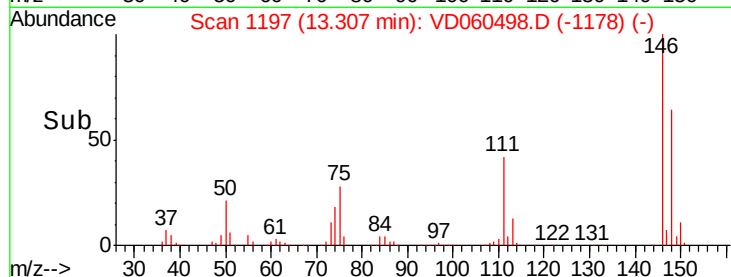


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



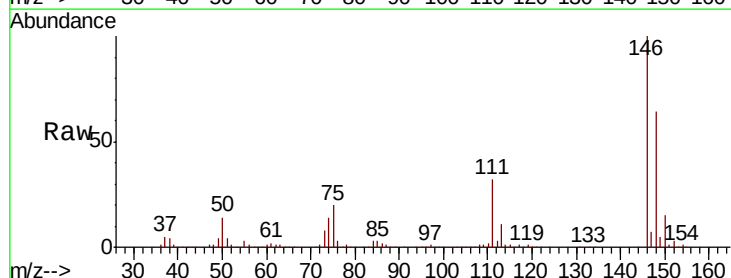
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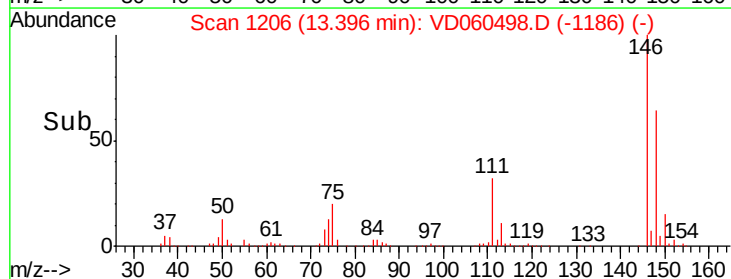
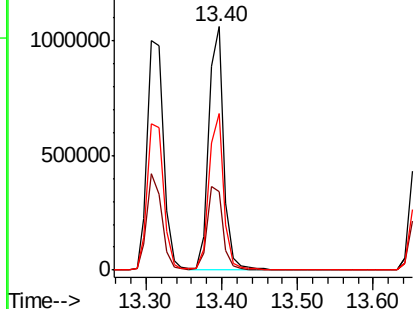


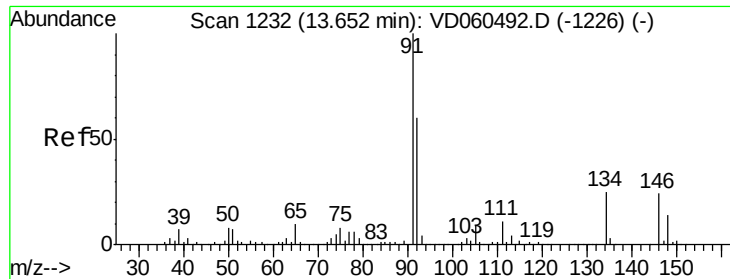
#88
 1,4-Dichlorobenzene
 Concen: 47.878 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.4	16.4	49.1
148	64.2	32.6	98.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



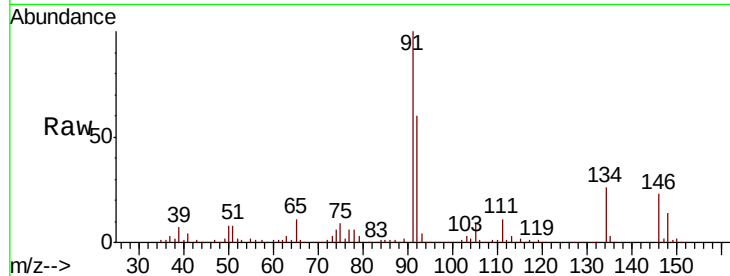


#89
n-Butylbenzene
Concen: 47.934 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

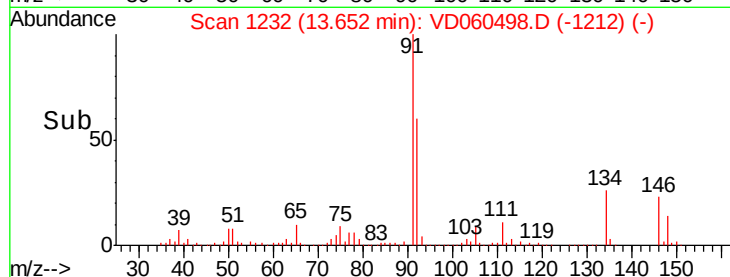
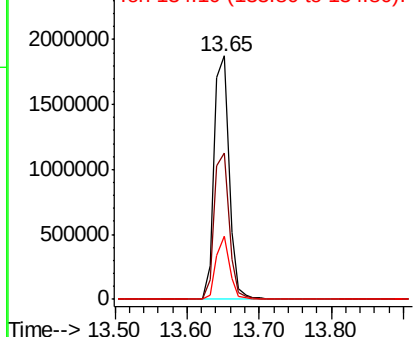
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2686209
Ion Ratio Lower Upper
91 100
92 60.0 30.0 90.1
134 25.7 12.5 37.5

Manual Integrations
APPROVED

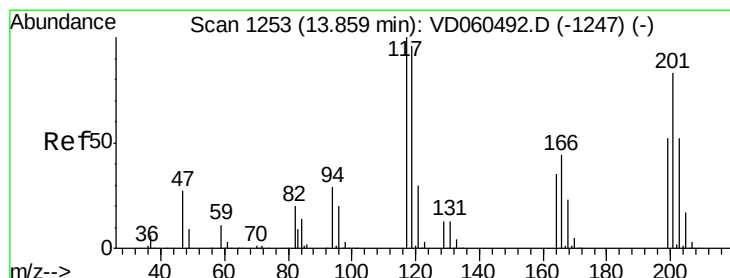


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V



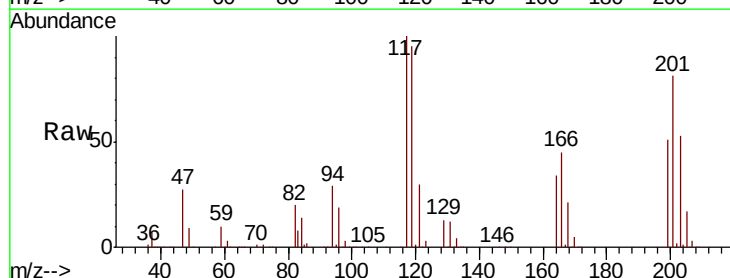
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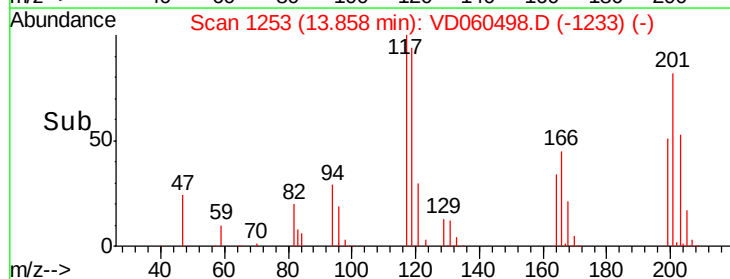
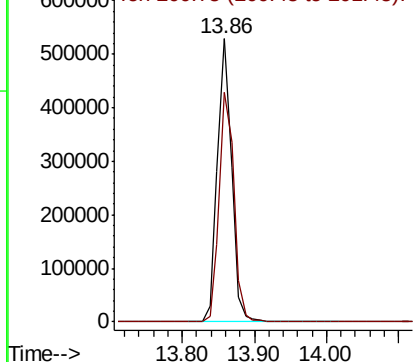


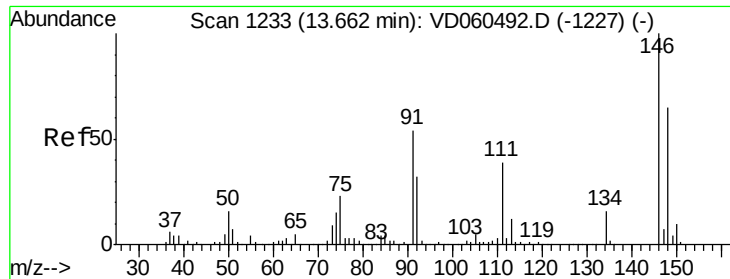
#90
Hexachloroethane
Concen: 50.463 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion: 117 Resp: 709900
Ion Ratio Lower Upper
117 100
201 81.3 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V



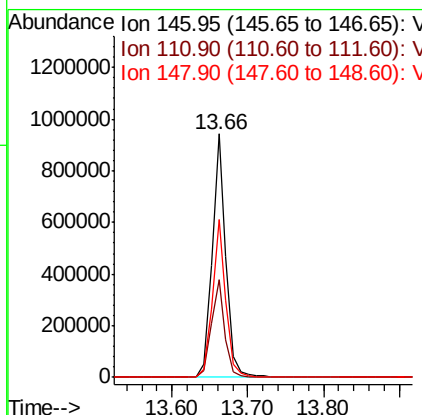
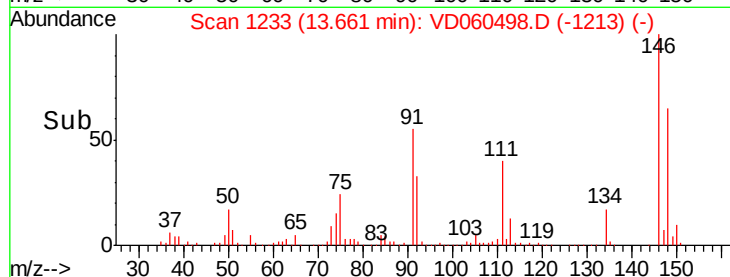
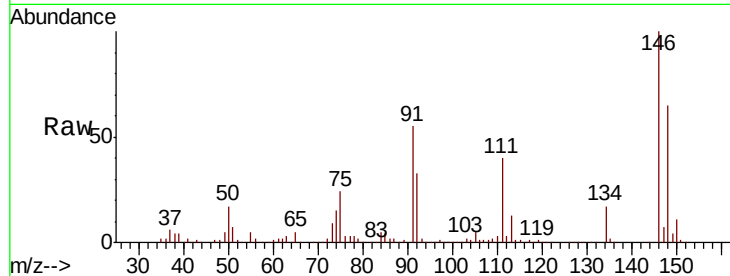


#91
 1,2-Dichlorobenzene
 Concen: 46.521 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

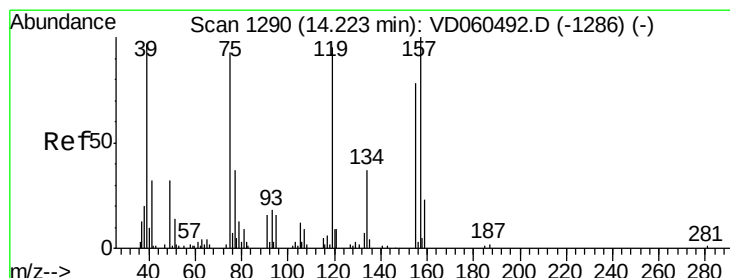
Tot Ion:146 Resp: 1199285
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.3 57.8
 148 64.6 32.3 96.8

Manual Integrations
 APPROVED



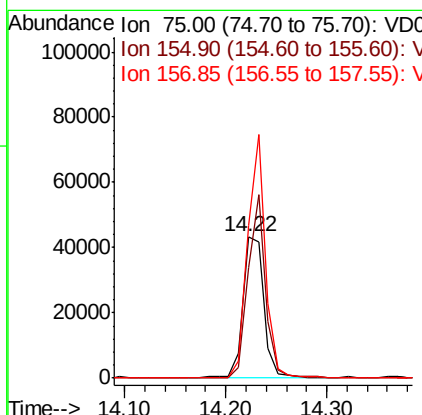
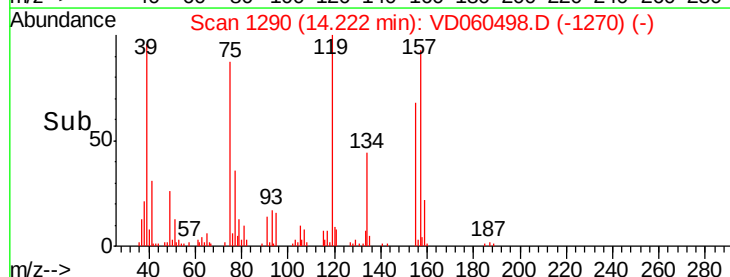
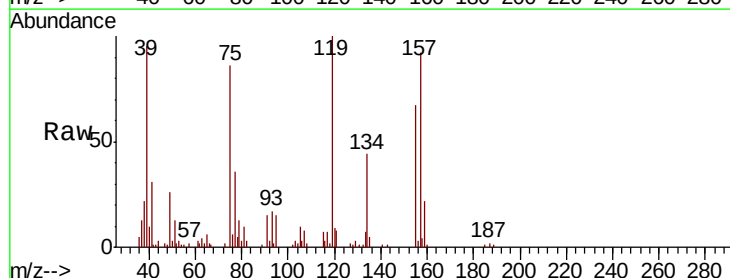
MMDadoda

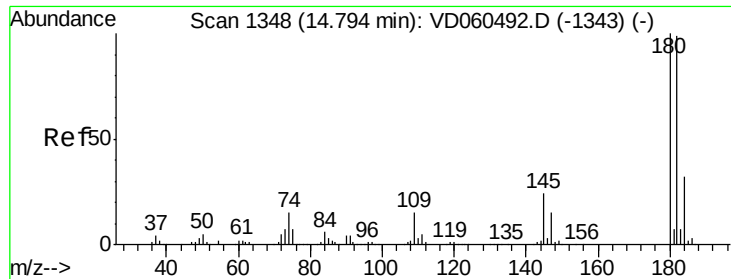
12/7/2018 5:03:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.047 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion: 75 Resp: 63063
 Ion Ratio Lower Upper
 75 100
 155 77.9 41.6 124.9
 157 107.7 53.6 160.8



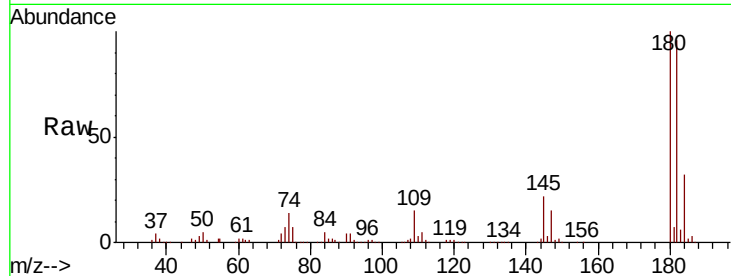


#93
 1,2,4-Trichlorobenzene
 Concen: 49.017 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

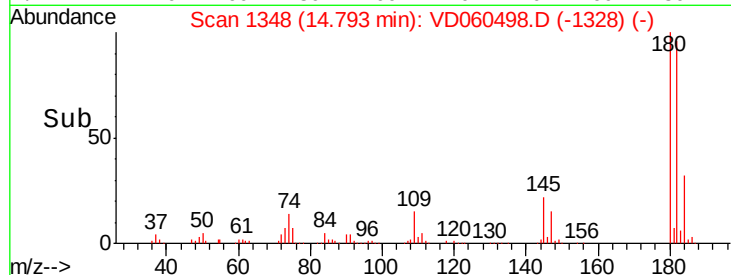
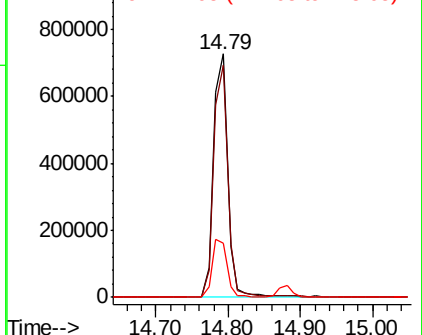
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	987827		
182	95.5	49.4	148.0	
145	22.4	11.9	35.9	

Manual Integrations
 APPROVED

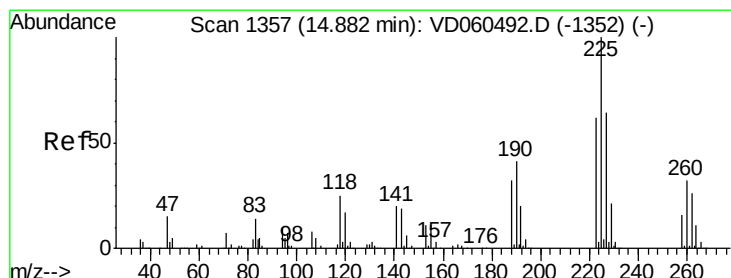


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



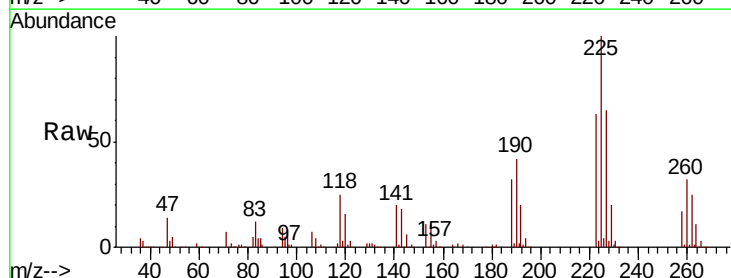
MMDadoda

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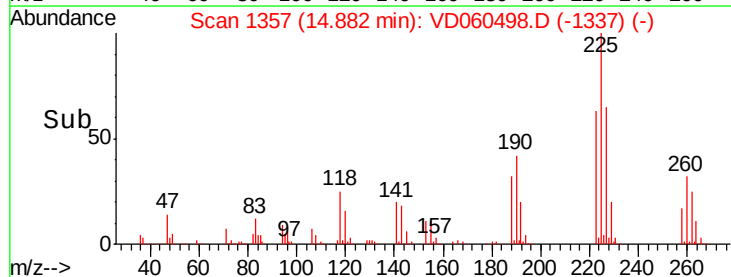
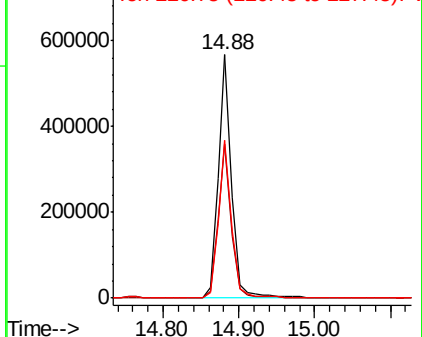


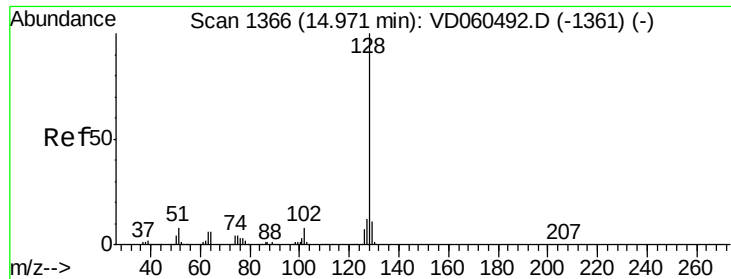
#94
 Hexachlorobutadiene
 Concen: 47.559 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060498.D
 Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	707146		
223	63.4	31.2	93.6	
227	64.8	32.0	96.0	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V



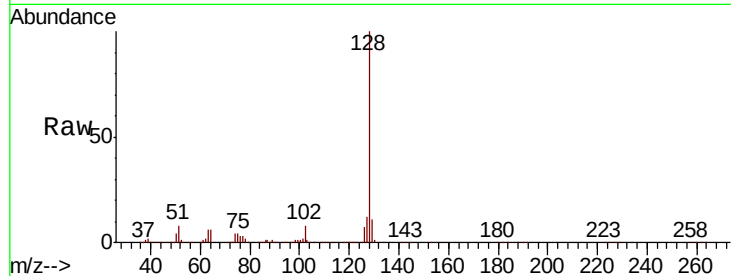


#95
Naphthalene
Concen: 49.921 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

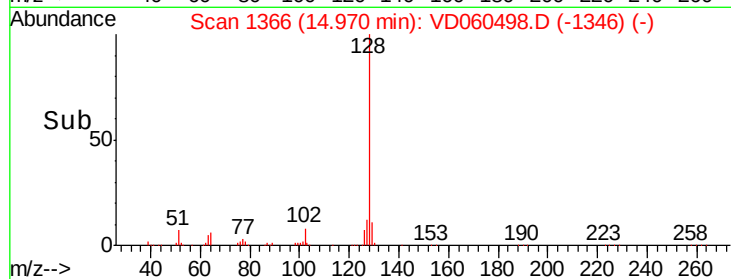
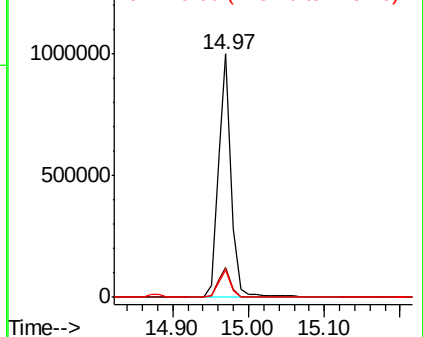
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	11.0	8.6	13.0

Manual Integrations
APPROVED

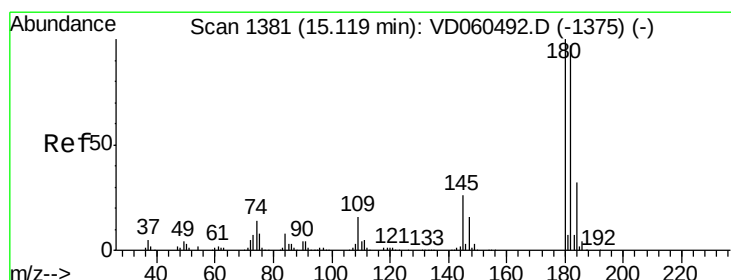


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



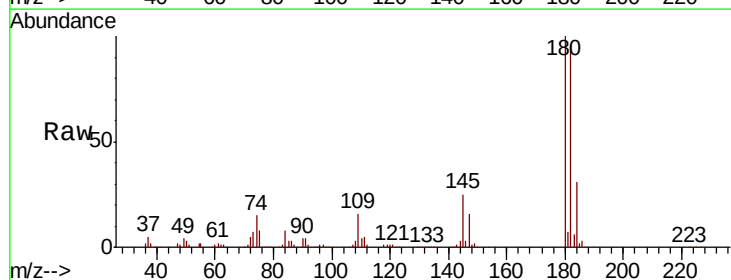
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#96
1,2,3-Trichlorobenzene
Concen: 49.620 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060498.D
Acq: 6 Dec 2018 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.5	145.5
145	24.8	12.9	38.7



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

