

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060526.D
 Acq On : 11 Dec 2018 10:23
 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

MMDadoda
 12/12/2018 1:29:52 PM

Quant Time: Dec 12 03:16:56 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	1646033	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2291966	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1855276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	913547	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	555147	47.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.16%	
35) Dibromofluoromethane	6.32	113	797373	47.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	9.45	98	2354298	48.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.42	95	828513	47.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	786608	50.292	ug/l	95
3) Chloromethane	1.77	50	770626	45.567	ug/l	96
4) Vinyl Chloride	1.87	62	673100	49.868	ug/l	99
5) Bromomethane	2.17	94	163483	48.415	ug/l	99
6) Chloroethane	2.28	64	199624	44.649	ug/l	95
7) Trichlorofluoromethane	2.52	101	771844	49.525	ug/l	99
8) Diethyl Ether	2.84	74	130237	48.380	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	490334	48.489	ug/l	99
10) Methyl Iodide	3.26	142	562919	47.623	ug/l	100
11) Tert butyl alcohol	3.98	59	129135	272.438	ug/l	96
12) 1,1-Dichloroethene	3.08	96	389854	47.385	ug/l	99
13) Acrolein	2.99	56	158146	305.344	ug/l	92
14) Allyl chloride	3.55	41	773572	49.557	ug/l	99
15) Acrylonitrile	4.10	53	694826	258.166	ug/l	97
16) Acetone	3.17	43	551355	294.822	ug/l	99
17) Carbon Disulfide	3.33	76	1294570	48.441	ug/l	98
18) Methyl Acetate	3.56	43	205757	46.293	ug/l	100
19) Methyl tert-butyl Ether	4.14	73	1160220	50.851	ug/l	98
20) Methylene Chloride	3.73	84	868053	50.606	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	896668	50.103	ug/l	96
22) Diisopropyl ether	4.86	45	2933623	52.344	ug/l	98
23) Vinyl Acetate	4.81	43	7281533	262.227	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1487910	51.103	ug/l	100
25) 2-Butanone	5.62	43	1074200	291.957	ug/l	99
26) 2,2-Dichloropropane	5.59	77	1189599	52.889	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	928365	51.018	ug/l	99
28) Bromochloromethane	5.93	49	685156	53.121	ug/l	96
29) Tetrahydrofuran	5.96	42	534021	256.308	ug/l	100
30) Chloroform	6.10	83	1478704	50.411	ug/l	99
31) Cyclohexane	6.37	56	1372599	55.556	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1252975	51.960	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1152778	51.455	ug/l	99
37) Ethyl Acetate	5.70	43	513955	52.897	ug/l	99
38) Carbon Tetrachloride	6.50	117	1056356	52.521	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1361316	53.302	ug/l	99
40) Benzene	6.79	78	2985565	52.144	ug/l	100
41) Methacrylonitrile	5.94	41	281838m	53.810	ug/l	
42) 1,2-Dichloroethane	6.89	62	753571	51.764	ug/l	99
43) Isopropyl Acetate	8.35	43	656663	54.750	ug/l #	99
44) Trichloroethene	7.74	130	900202	52.609	ug/l	96
45) 1,2-Dichloropropane	8.10	63	742000	52.398	ug/l	98
46) Dibromomethane	8.21	93	424448	51.877	ug/l	92
47) Bromodichloromethane	8.49	83	1016826	52.378	ug/l	99
48) Methyl methacrylate	8.24	41	381458	53.752	ug/l	98
49) 1,4-Dioxane	8.23	88	74367	1156.220	ug/l	93
51) 4-Methyl-2-Pentanone	9.34	43	2068479	277.252	ug/l	99
52) Toluene	9.55	92	1894155	52.929	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	849974	53.284	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1131397	53.984	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	502468	50.419	ug/l	100
56) Ethyl methacrylate	10.03	69	494020	54.773	ug/l	95
57) 1,3-Dichloropropane	10.38	76	799303	51.883	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	1409877	261.248	ug/l	98
59) 2-Hexanone	10.48	43	1556630	298.501	ug/l	98
60) Dibromochloromethane	10.64	129	676569	54.299	ug/l	99
61) 1,2-Dibromoethane	10.76	107	541053	53.273	ug/l	99
64) Tetrachloroethene	10.25	164	826397	50.304	ug/l	99
65) Chlorobenzene	11.31	112	1954817	49.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	641012	50.670	ug/l	96
67) Ethyl Benzene	11.43	91	3307851	49.409	ug/l	100
68) m/p-Xylenes	11.57	106	2507058	101.223	ug/l	97
69) o-Xylene	11.93	106	1172842	49.689	ug/l	92
70) Styrene	11.95	104	1916449	50.583	ug/l	97
71) Bromoform	12.12	173	436674	51.738	ug/l	98
73) Isopropylbenzene	12.27	105	3323046	51.404	ug/l	99
74) N-amyl acetate	12.13	43	828992	53.060	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	525717	50.797	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	543865	52.542	ug/l	99
77) Bromobenzene	12.54	156	869859	51.191	ug/l	92
78) n-propylbenzene	12.64	91	4199907	51.395	ug/l	99
79) 2-Chlorotoluene	12.71	91	2262203	51.016	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	2498719	50.584	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	162339	56.232	ug/l	99
82) 4-Chlorotoluene	12.81	91	2470425	49.603	ug/l	93
83) tert-Butylbenzene	13.04	119	2873753	51.886	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	2532092	49.505	ug/l	99
85) sec-Butylbenzene	13.22	105	3570263	51.719	ug/l	98
86) p-Isopropyltoluene	13.34	119	2745894	50.179	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	1554961	50.541	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	1501795	49.757	ug/l	95
89) n-Butylbenzene	13.64	91	2872199	53.812	ug/l	98
90) Hexachloroethane	13.86	117	725089	52.848	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	1229829	48.913	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	67099	53.508	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1007943	51.281	ug/l	95
94) Hexachlorobutadiene	14.88	225	752541	51.893	ug/l	99
95) Naphthalene	14.97	128	1222977	52.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	813090	51.917	ug/l	97

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

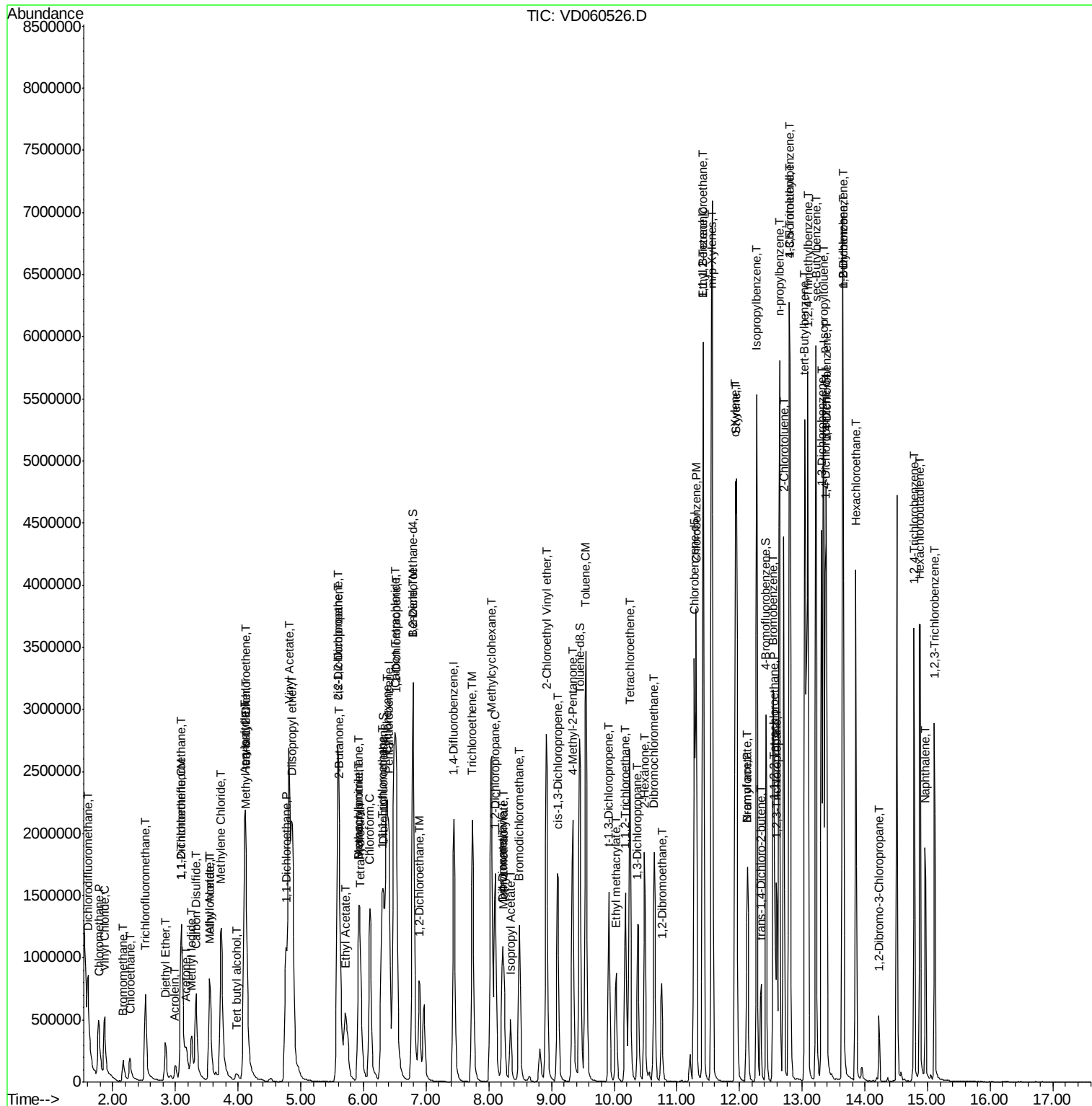
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121118\
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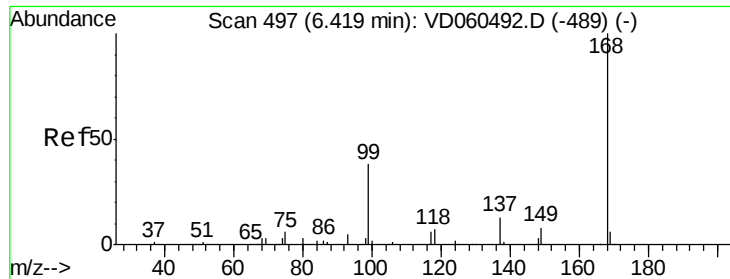
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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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: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1646033

Ion Ratio Lower Upper

168 100

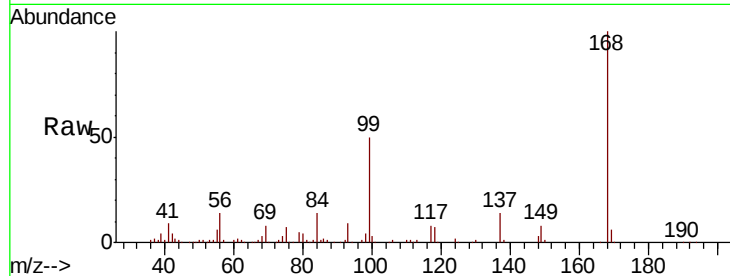
99 49.8 35.6 53.4

Manual Integrations

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12/12/2018 1:29:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

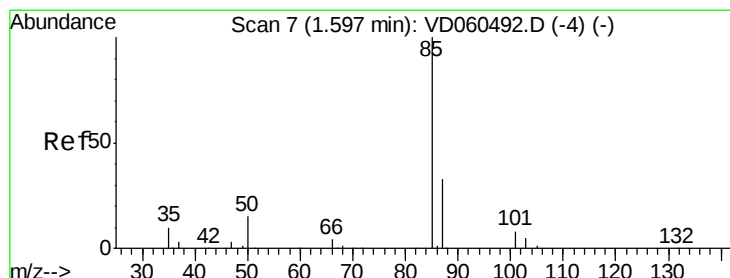
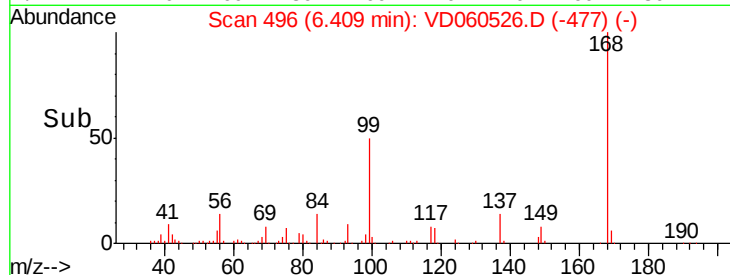
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 50.292 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060526.D

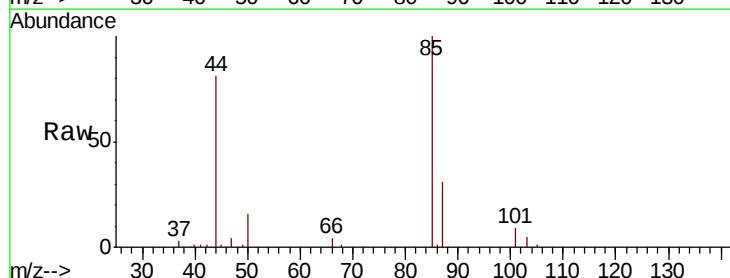
Acq: 11 Dec 2018 10:23

Tgt Ion: 85 Resp: 786608

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

300000

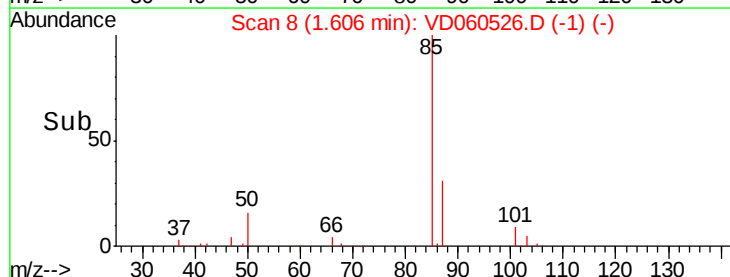
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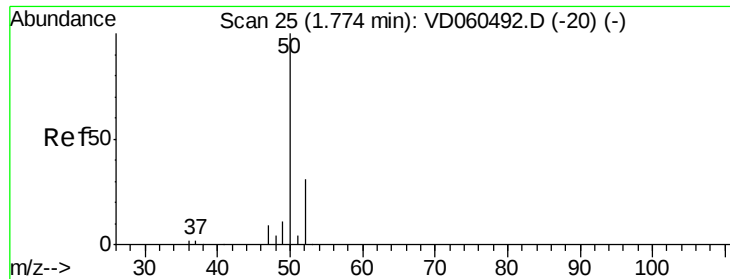
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.567 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 770626

Ion Ratio Lower Upper

50 100

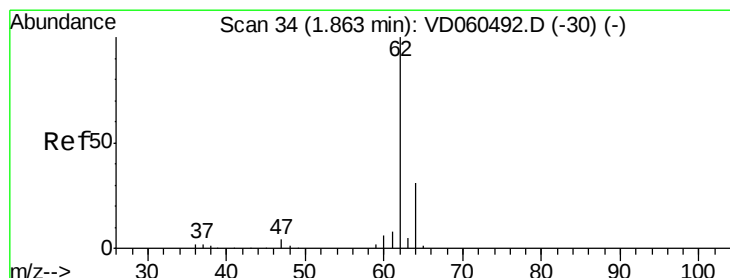
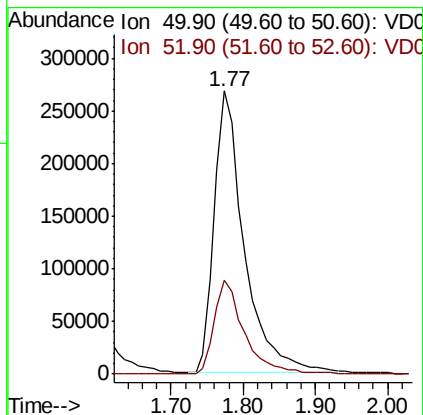
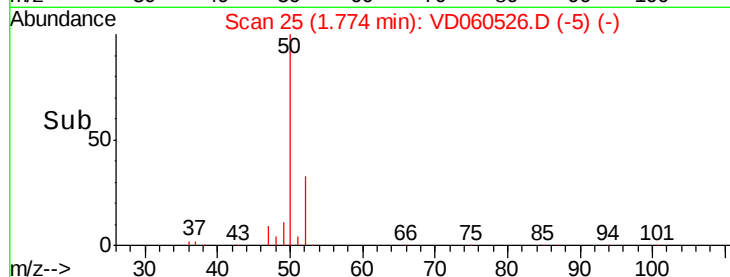
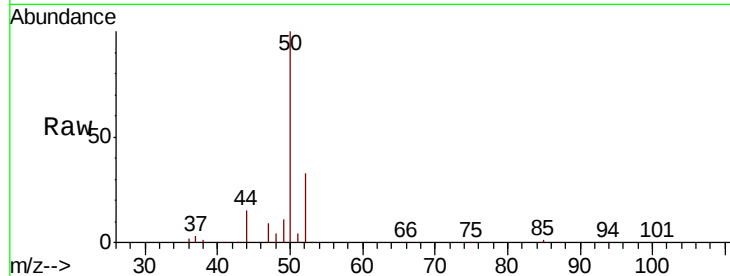
52 33.1 25.0 37.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.868 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060526.D

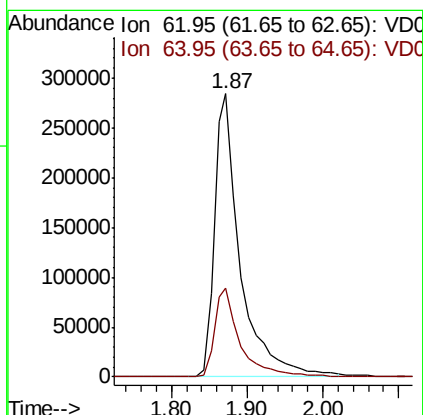
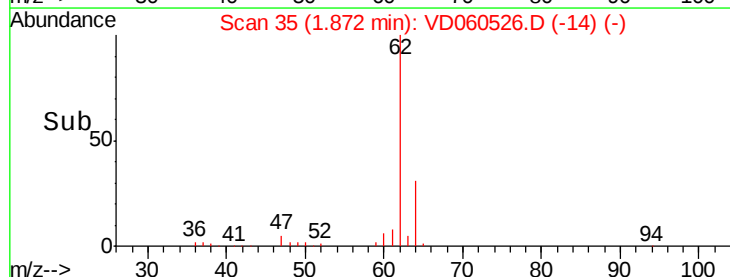
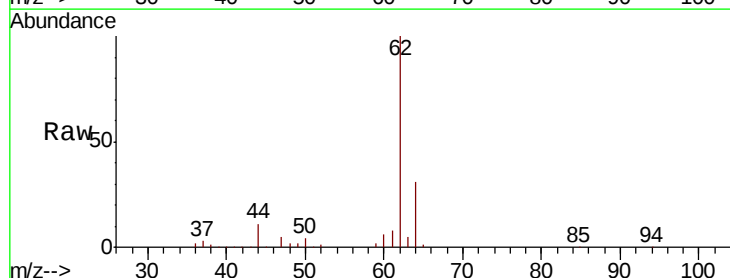
Acq: 11 Dec 2018 10:23

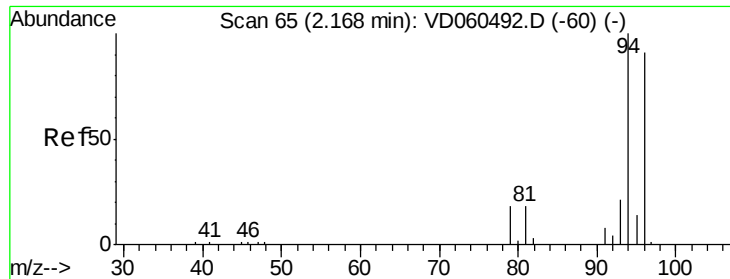
Tgt Ion: 62 Resp: 673100

Ion Ratio Lower Upper

62 100

64 31.3 24.6 37.0





#5

Bromomethane

Concen: 48.415 ug/l

RT: 2.17 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 163483

Ion Ratio Lower Upper

94 100

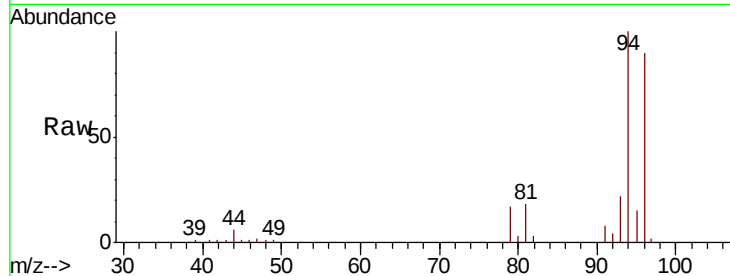
96 89.8 72.6 108.8

Manual Integrations

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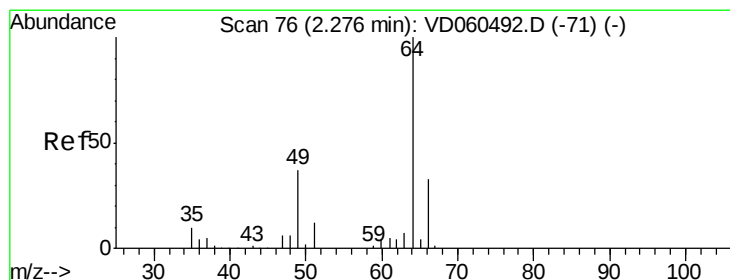
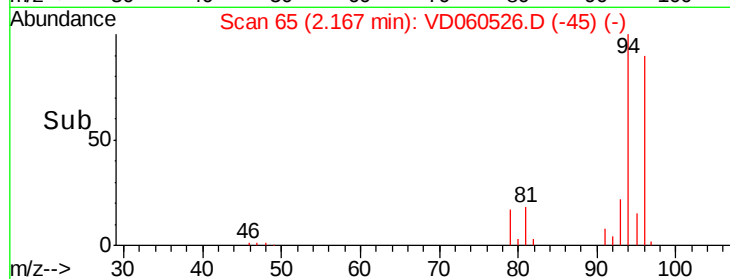
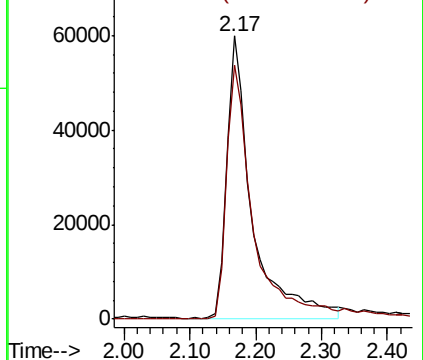
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.649 ug/l

RT: 2.28 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060526.D

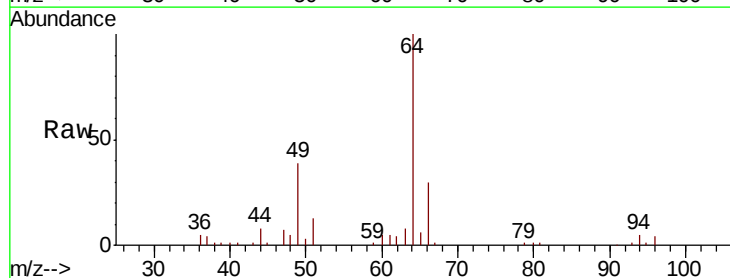
Acq: 11 Dec 2018 10:23

Tgt Ion: 64 Resp: 199624

Ion Ratio Lower Upper

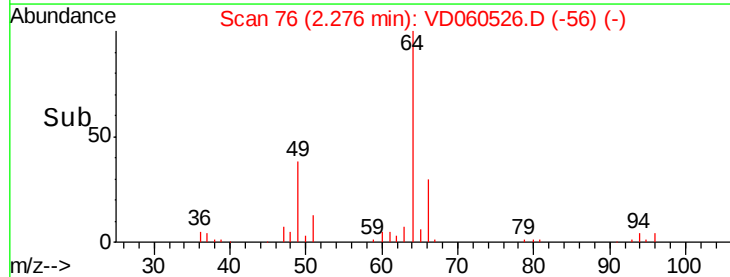
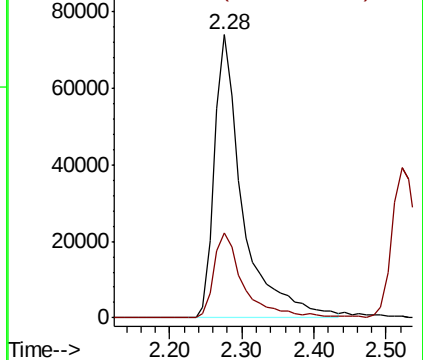
64 100

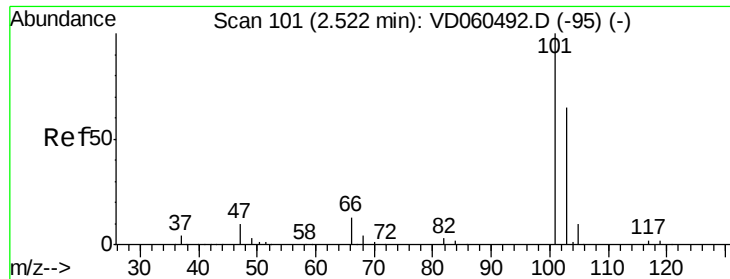
66 29.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

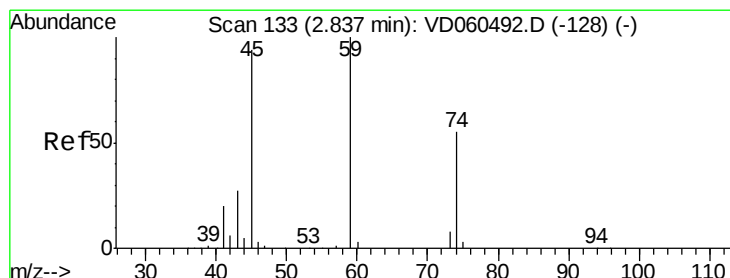
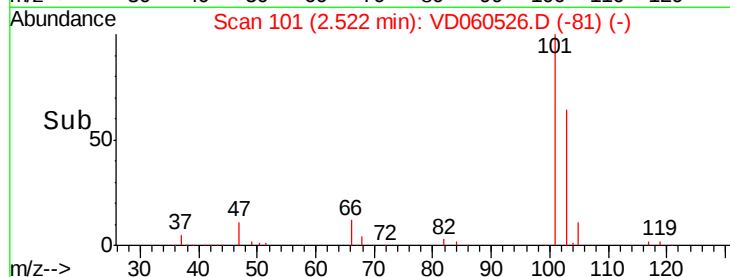
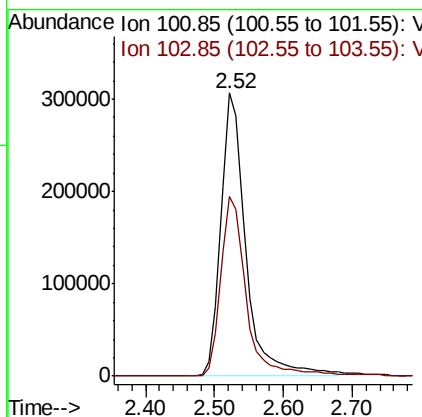
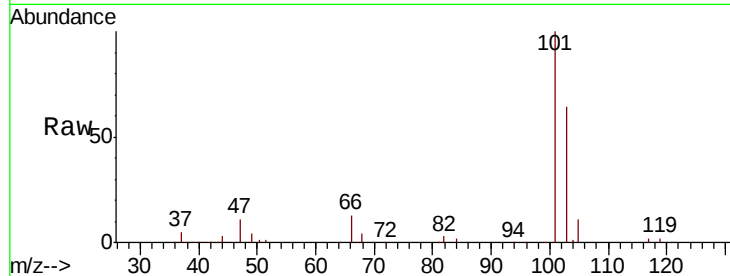
Trichlorofluoromethane
 Concen: 49.525 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 771844
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.8

Manual Integrations
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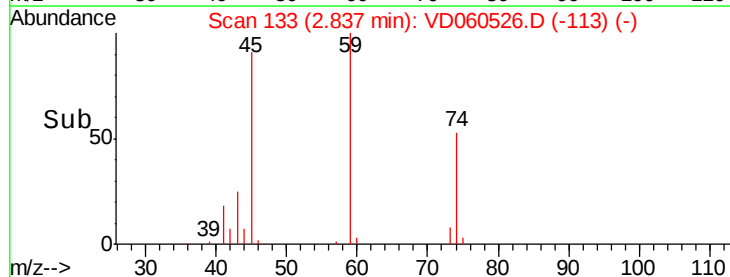
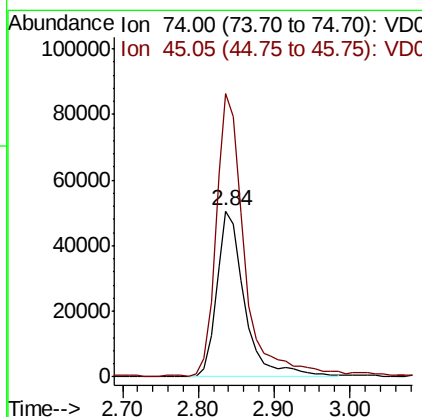
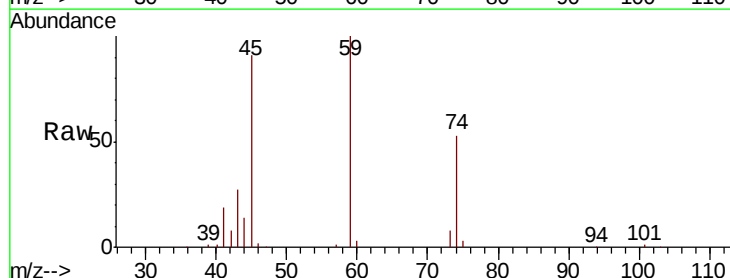
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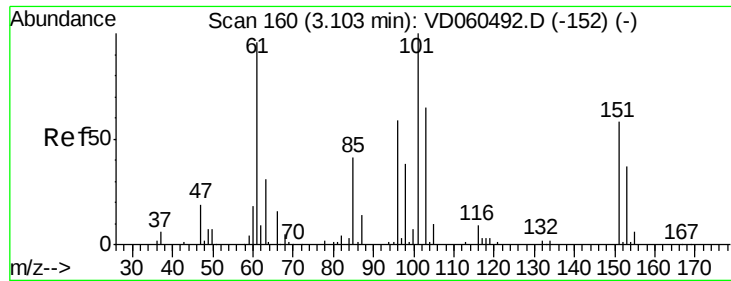


#8

Diethyl Ether
 Concen: 48.380 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion: 74 Resp: 130237
 Ion Ratio Lower Upper
 74 100
 45 170.9 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.489 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

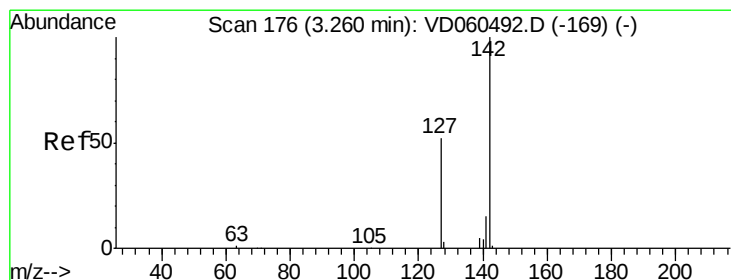
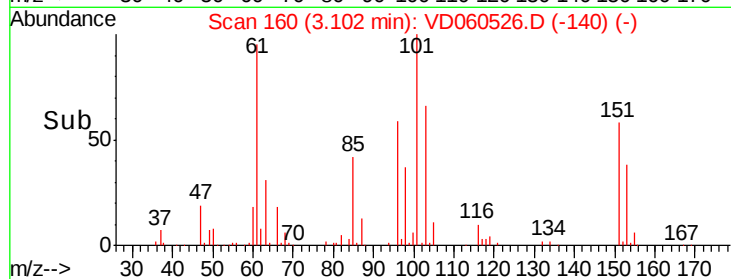
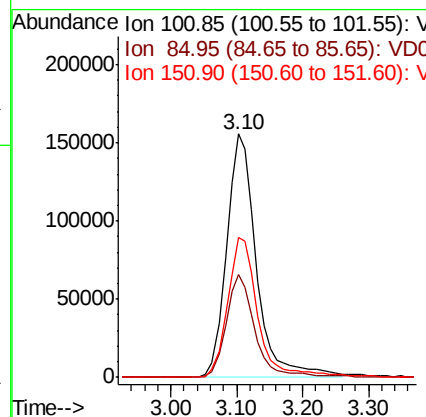
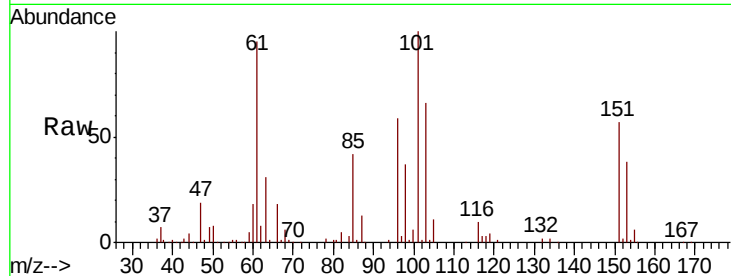
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	490334
Ion Ratio	Lower	Upper	
101	100		
85	42.0	32.7	49.1
151	57.5	46.6	69.8

Manual Integrations
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#10

Methyl Iodide

Concen: 47.623 ug/l

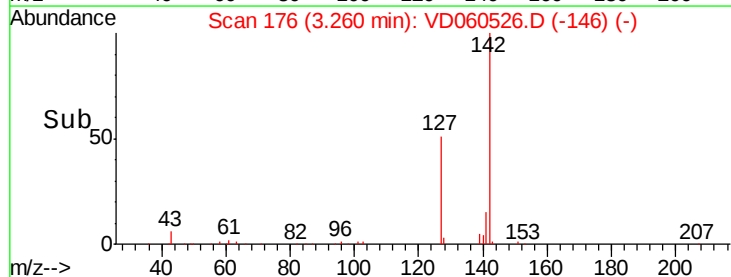
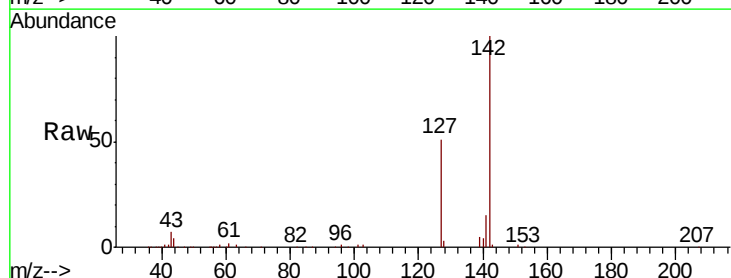
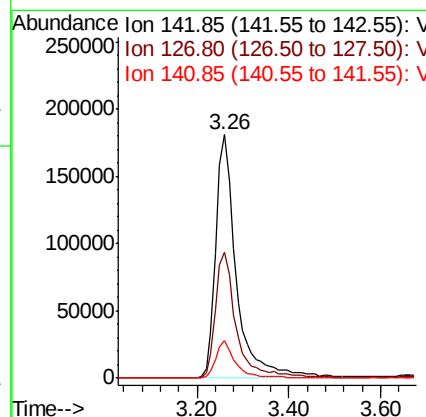
RT: 3.26 min Scan# 176

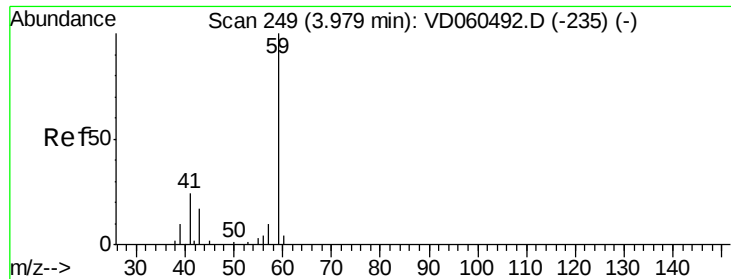
Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Tgt Ion:	142	Resp:	562919
Ion Ratio	Lower	Upper	
142	100		
127	51.5	41.2	61.8
141	15.3	11.9	17.9





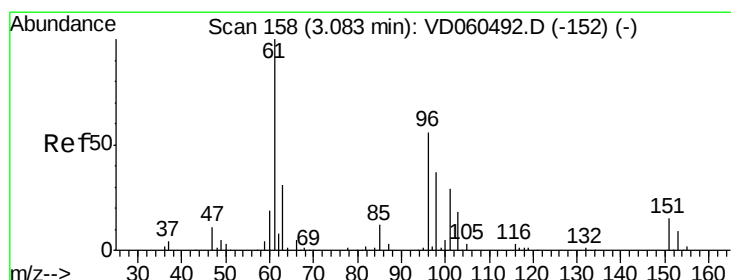
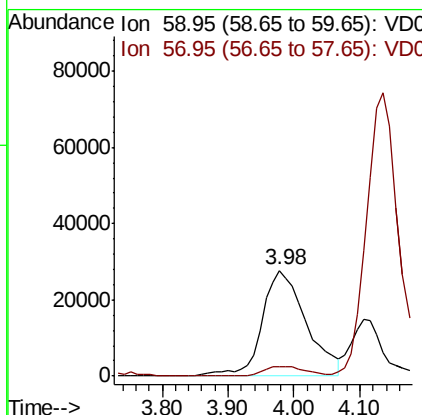
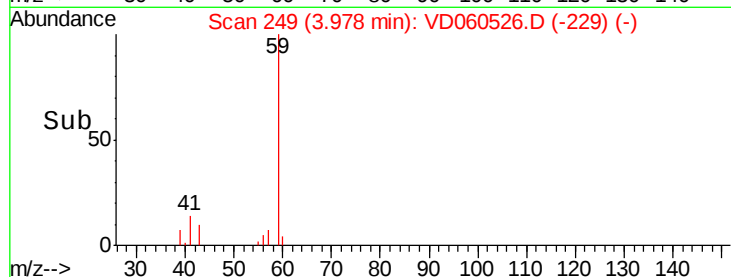
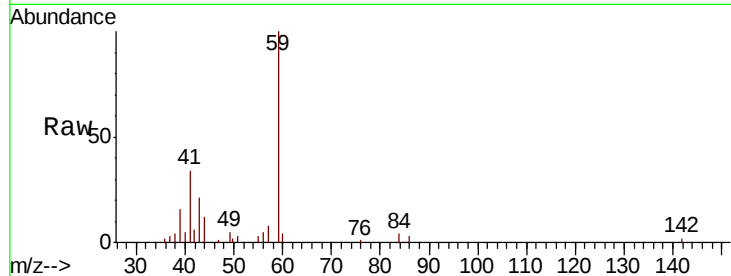
#11
Tert butyl alcohol
Concen: 272.438 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 129135
Ion Ratio Lower Upper
59 100
57 8.5 8.1 12.1

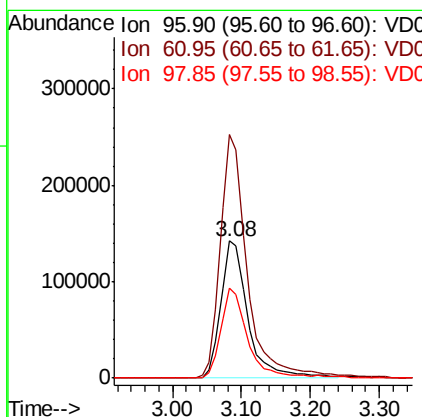
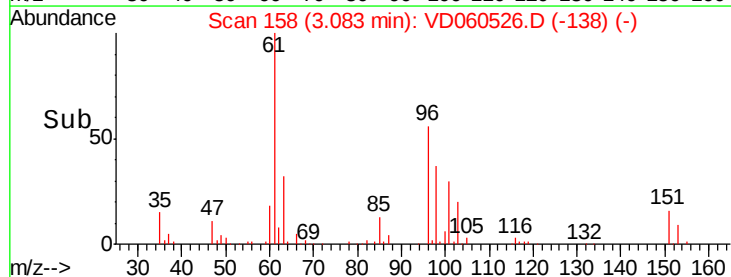
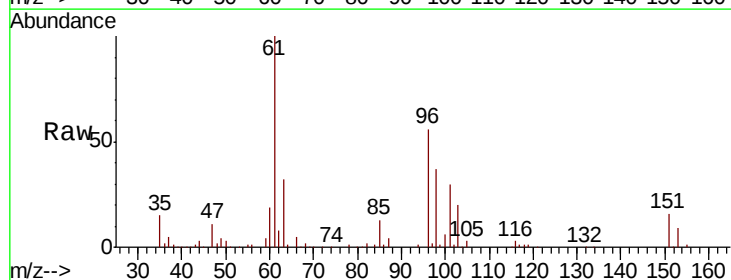
Manual Integrations
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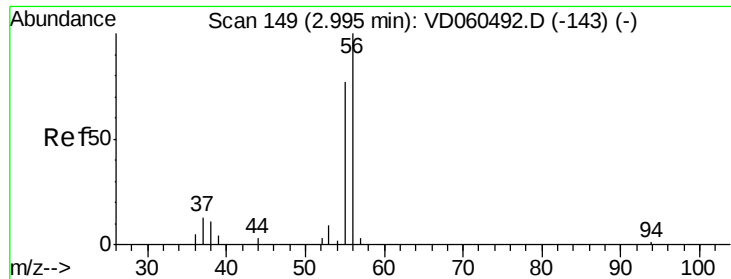
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#12
1,1-Dichloroethene
Concen: 47.385 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 96 Resp: 389854
Ion Ratio Lower Upper
96 100
61 177.7 143.0 214.4
98 65.5 53.4 80.0





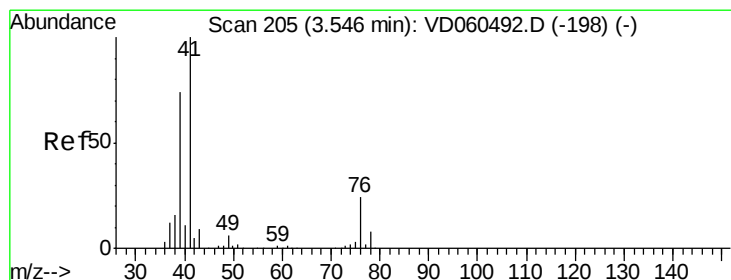
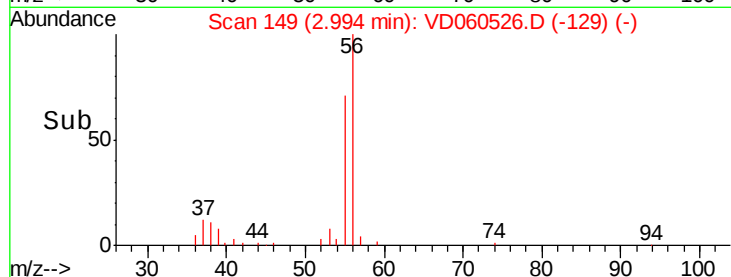
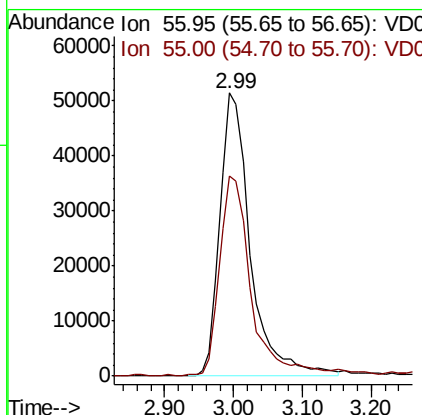
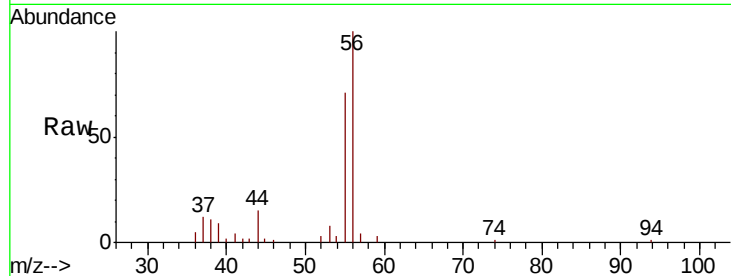
#13
Acrolein
Concen: 305.344 ug/l
RT: 2.99 min Scan# 149
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	158146
Ion Ratio	100	Lower	Upper
55	70.6	62.0	93.0

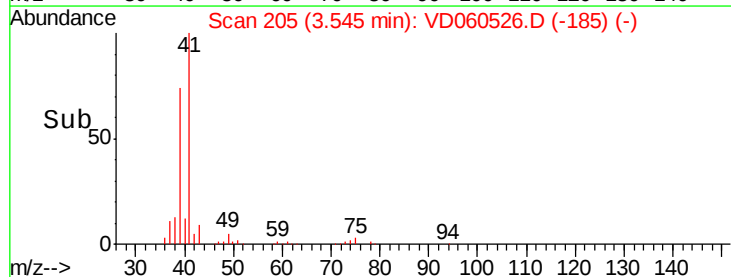
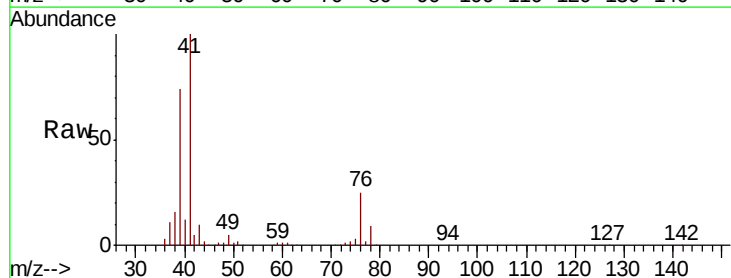
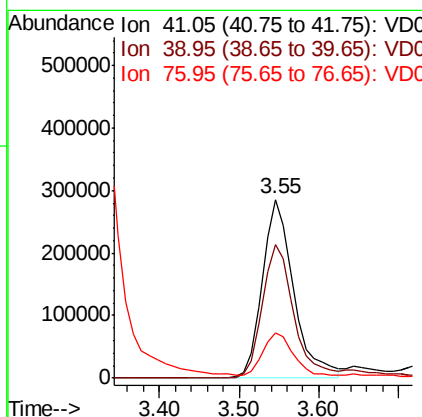
Manual Integrations
APPROVED

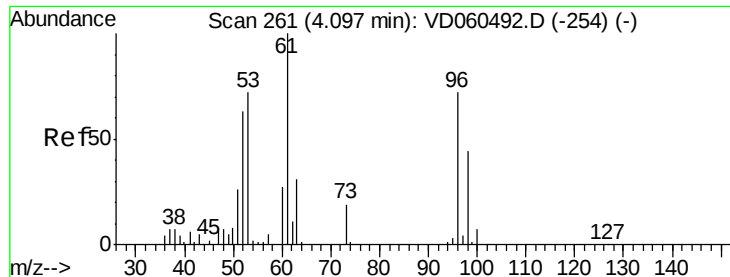
MMDadoda
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#14
Allyl chloride
Concen: 49.557 ug/l
RT: 3.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	41	Resp	773572
Ion Ratio	100	Lower	Upper
39	74.5	59.3	88.9
76	25.5	21.0	31.6





#15

Acrylonitrile

Concen: 258.166 ug/l

RT: 4.10 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 694826

Ion Ratio Lower Upper

53 100

52 83.5 70.0 105.0

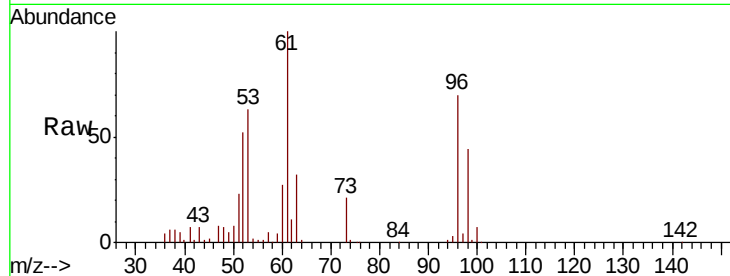
51 36.3 28.8 43.2

Manual Integrations

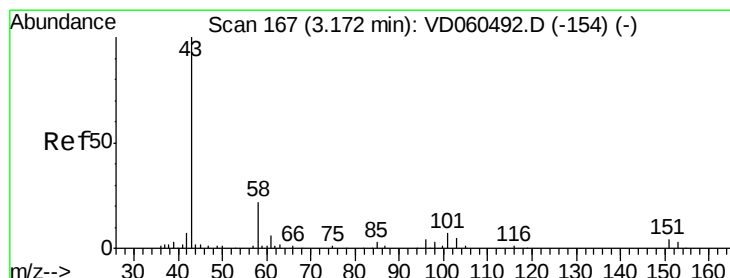
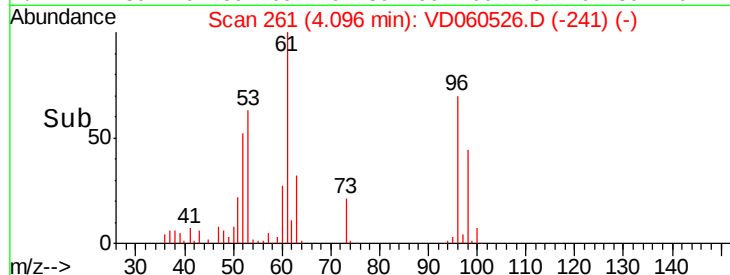
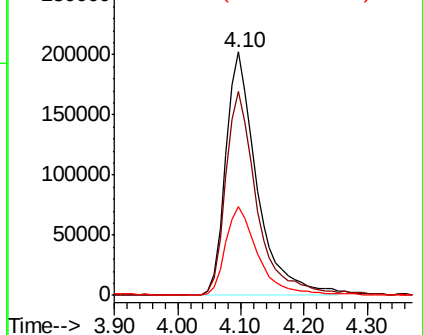
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 294.822 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060526.D

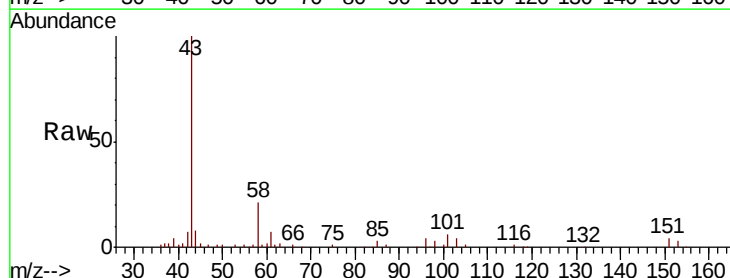
Acq: 11 Dec 2018 10:23

Tgt Ion: 43 Resp: 551355

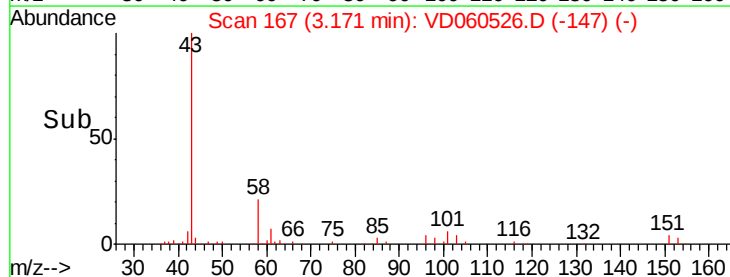
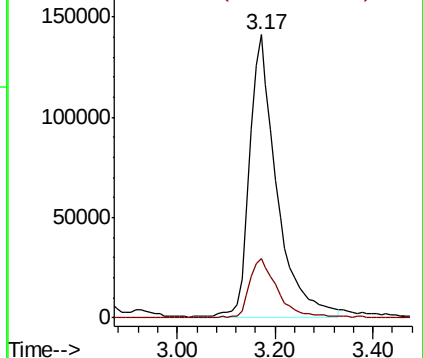
Ion Ratio Lower Upper

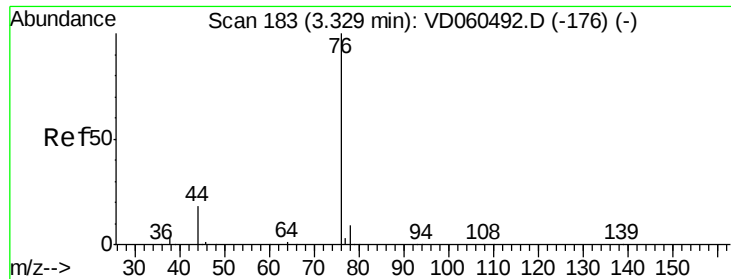
43 100

58 21.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





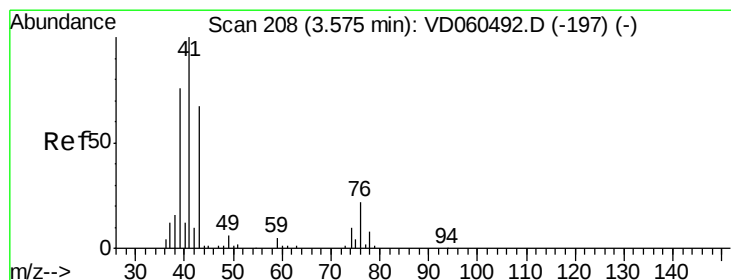
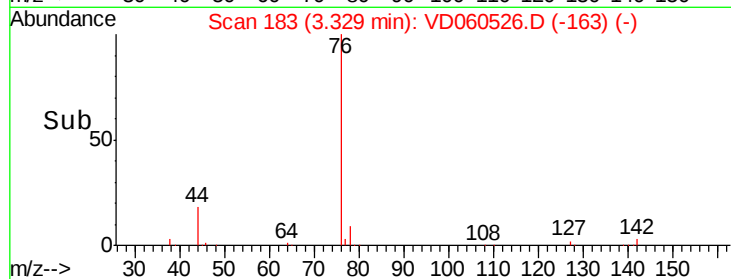
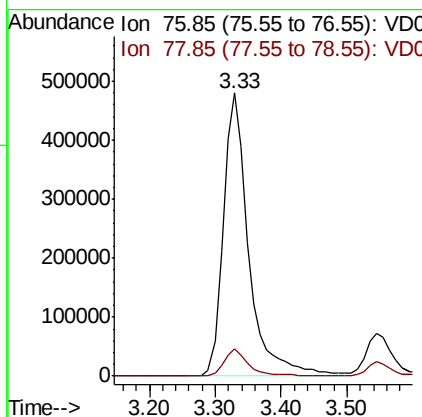
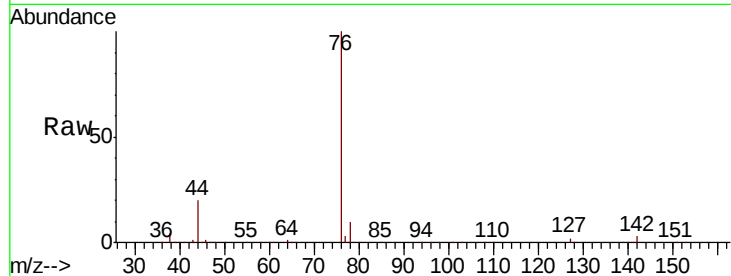
#17
Carbon Disulfide
Concen: 48.441 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1294570
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

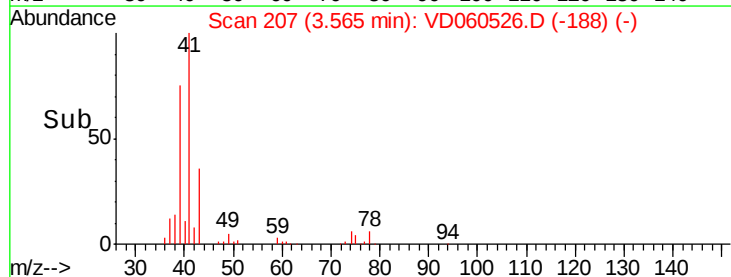
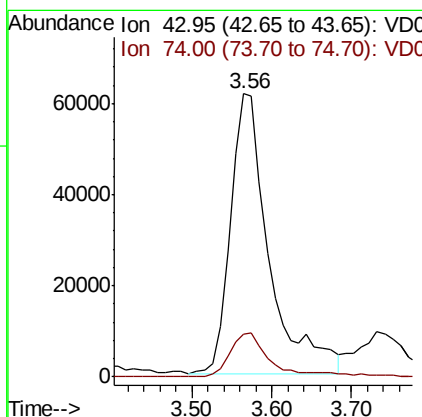
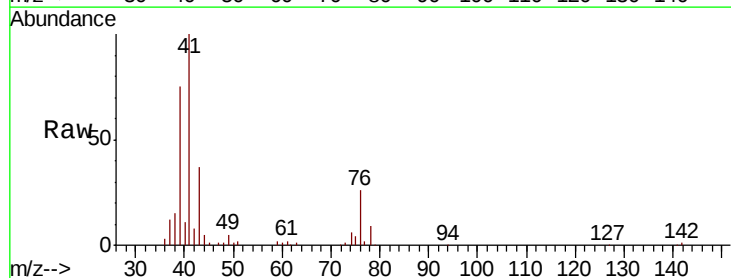
Manual Integrations
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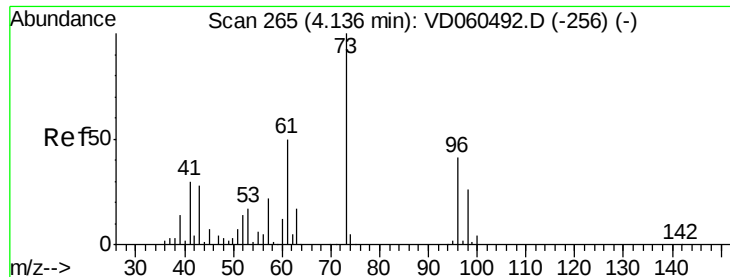
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#18
Methyl Acetate
Concen: 46.293 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 43 Resp: 205757
Ion Ratio Lower Upper
43 100
74 15.1 12.0 18.0





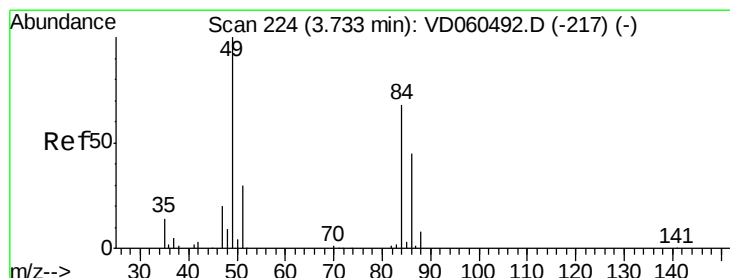
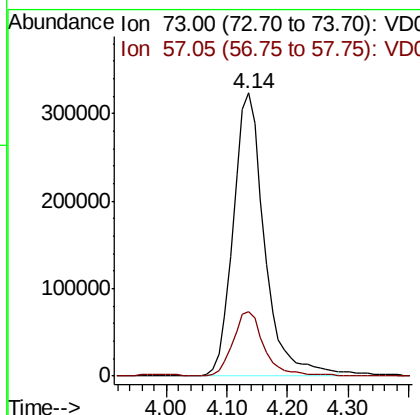
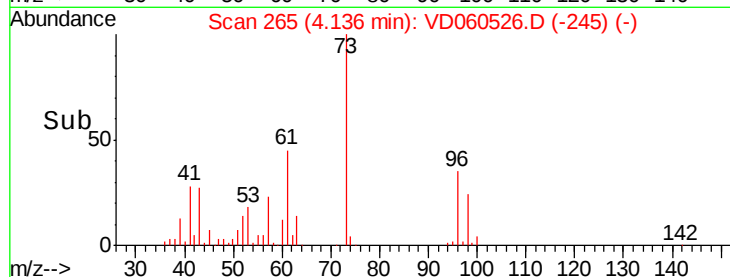
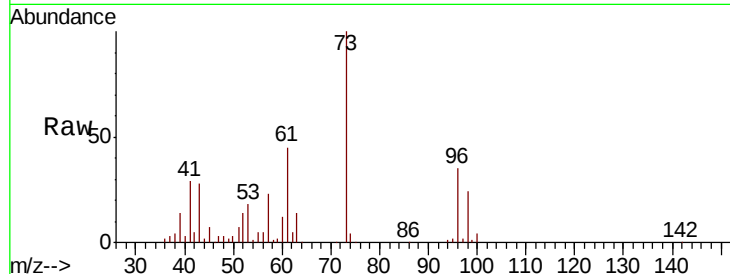
#19
Methyl tert-butyl Ether
Concen: 50.851 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1160220
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.6

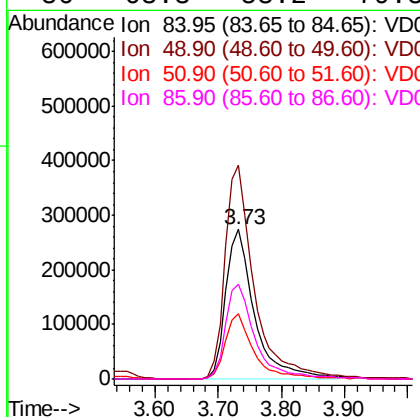
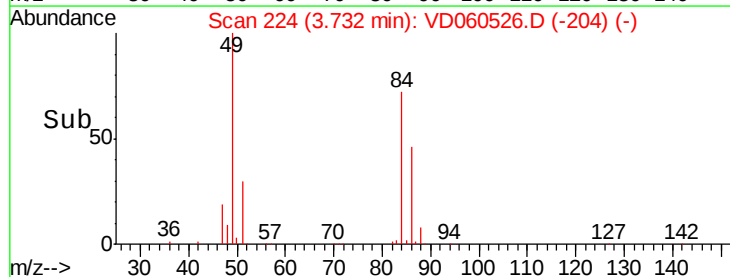
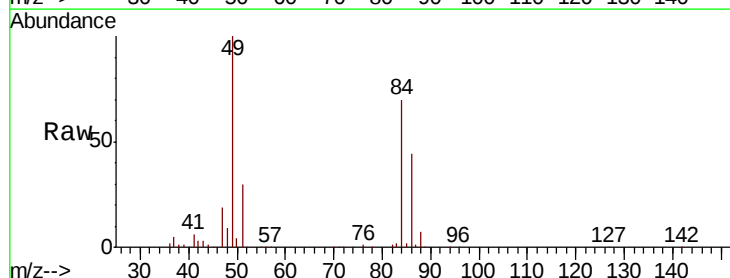
Manual Integrations
APPROVED

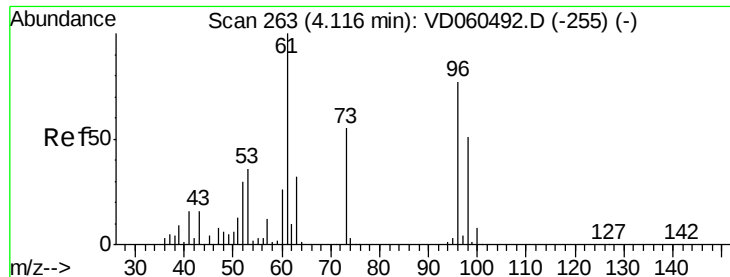
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#20
Methylene Chloride
Concen: 50.606 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 84 Resp: 868053
Ion Ratio Lower Upper
84 100
49 143.1 117.2 175.8
51 43.6 35.3 52.9
86 63.3 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.103 ug/l

RT: 4.11 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 896668

Ion Ratio Lower Upper

96 100

61 136.2 104.2 156.4

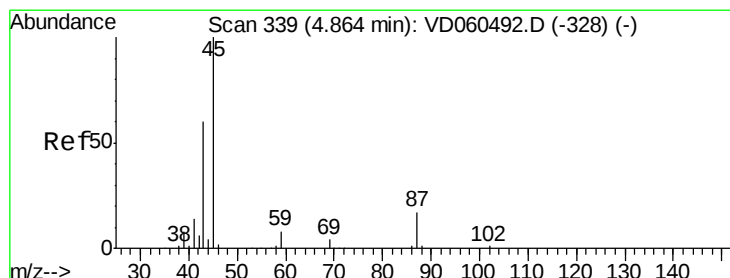
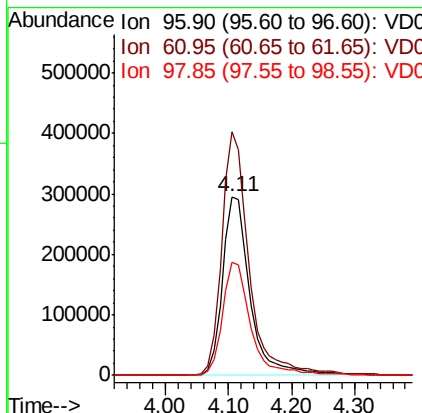
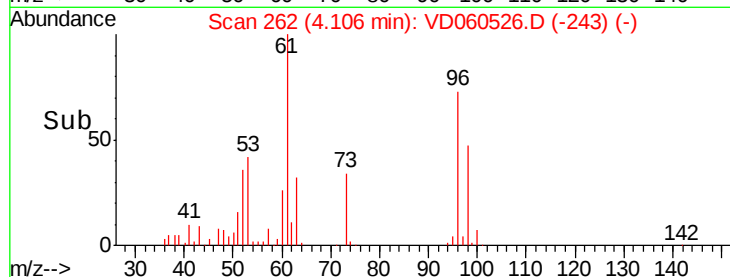
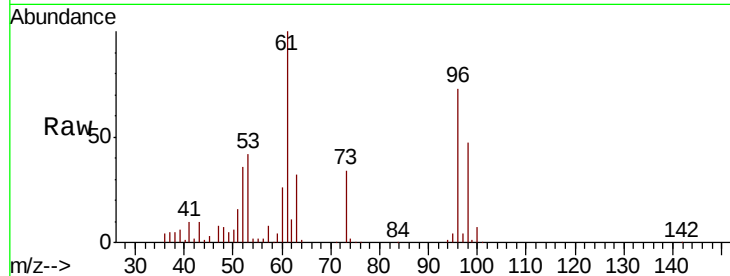
98 63.5 52.8 79.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.344 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Tgt Ion: 45 Resp: 2933623

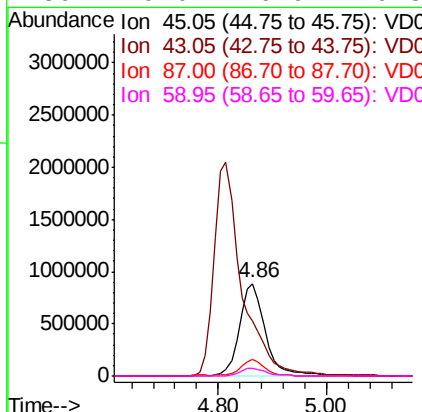
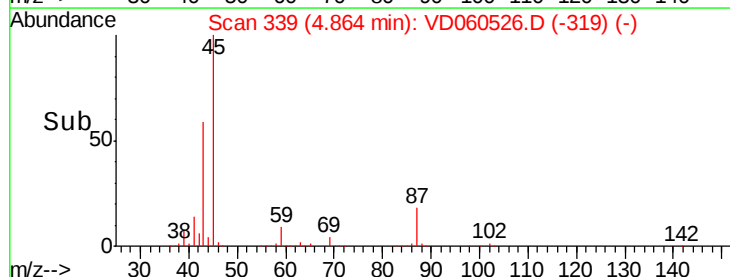
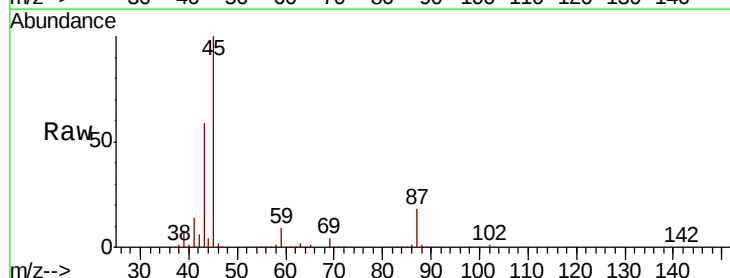
Ion Ratio Lower Upper

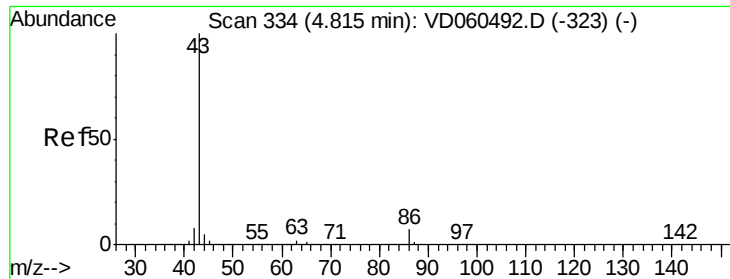
45 100

43 59.2 48.6 73.0

87 17.9 14.0 21.0

59 9.0 6.9 10.3





#23

Vinyl Acetate

Concen: 262.227 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7281533

Ion Ratio Lower Upper

43 100

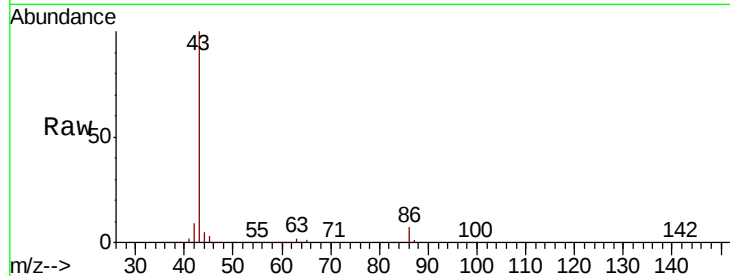
86 6.6 5.5 8.3

Manual Integrations

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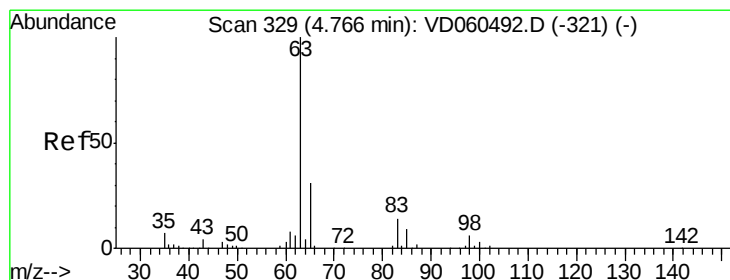
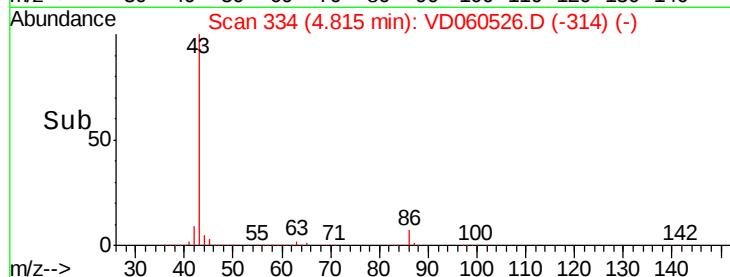
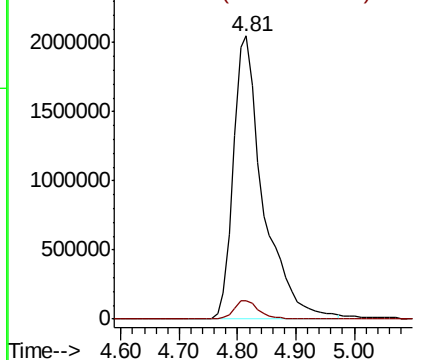
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.103 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

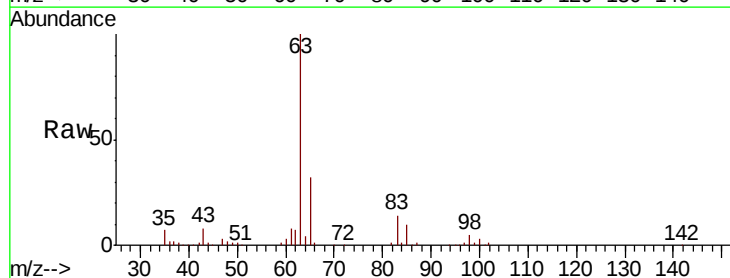
Tgt Ion: 63 Resp: 1487910

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

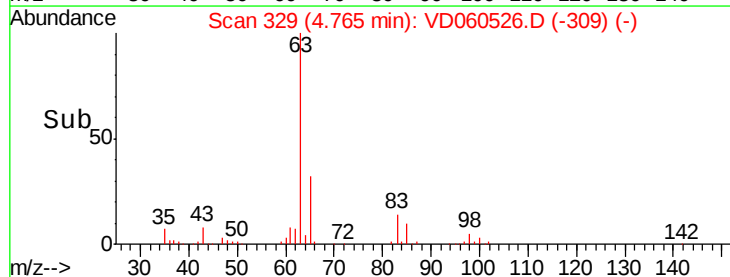
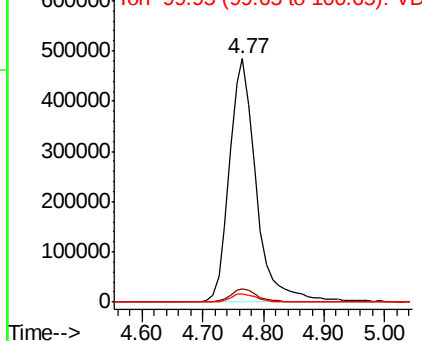
100 3.5 1.7 5.1

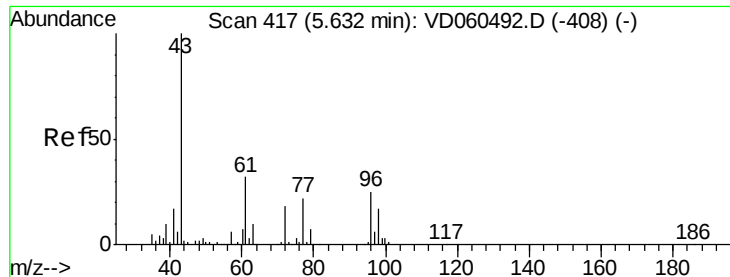


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 291.957 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1074200

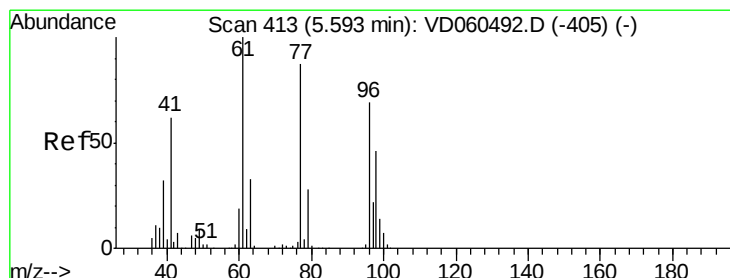
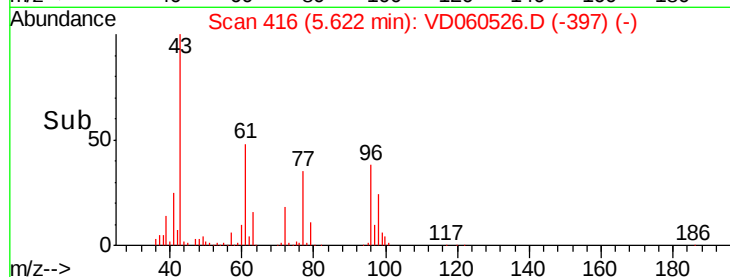
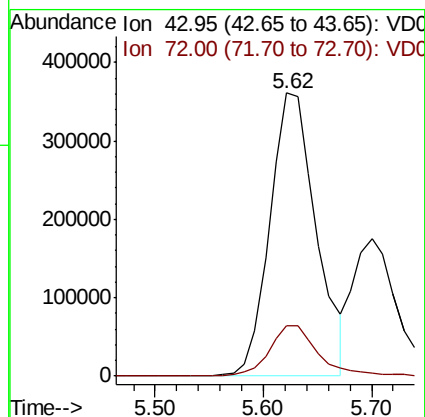
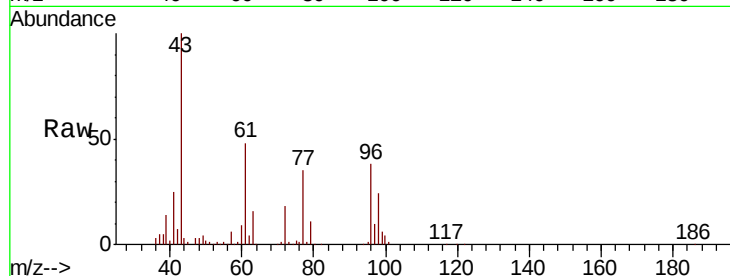
Ion Ratio Lower Upper

43 100

72 17.6 14.6 21.8

Manual Integrations
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12/12/2018 1:29:52 PM



#26

2,2-Dichloropropane

Concen: 52.889 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060526.D

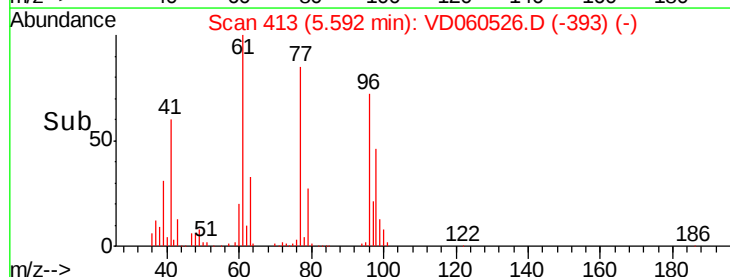
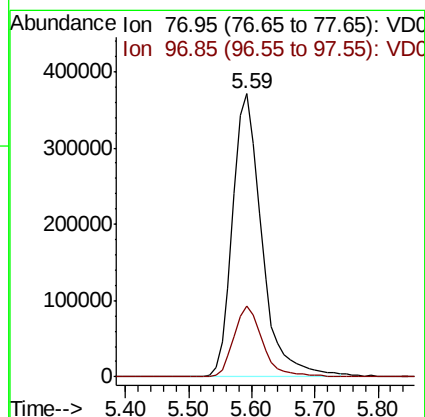
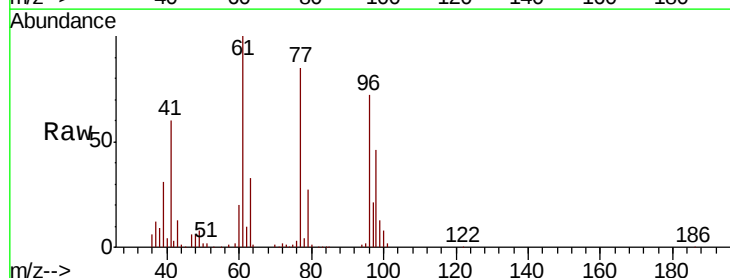
Acq: 11 Dec 2018 10:23

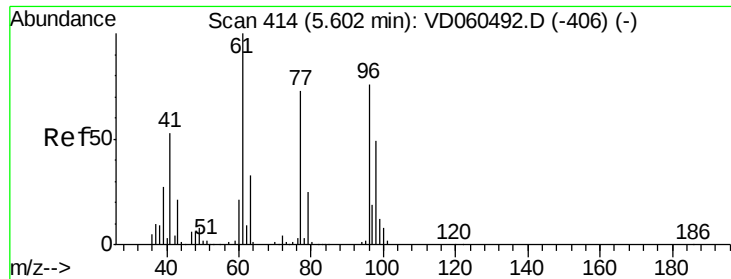
Tgt Ion: 77 Resp: 1189599

Ion Ratio Lower Upper

77 100

97 25.2 12.7 38.0





#27

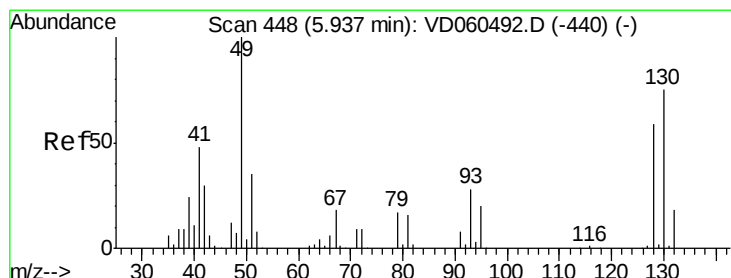
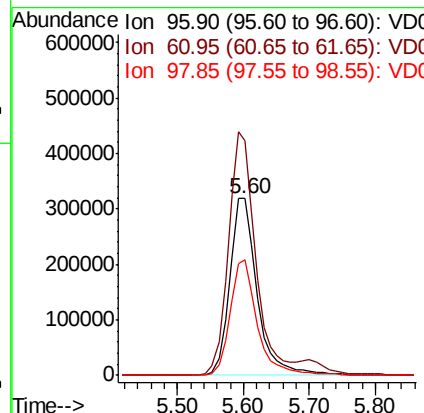
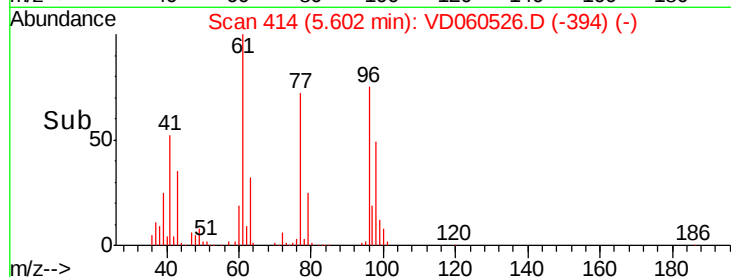
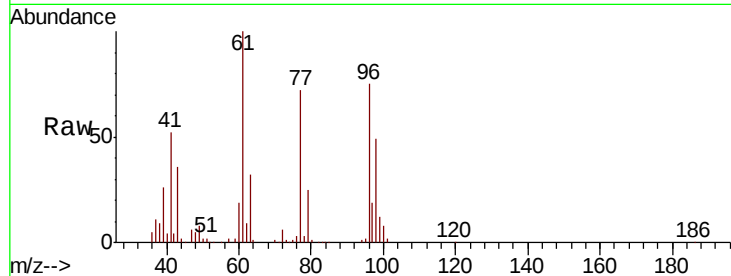
cis-1,2-Dichloroethene
Concen: 51.018 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.5	0.0	263.6	
98	65.0	0.0	128.2	

Manual Integrations
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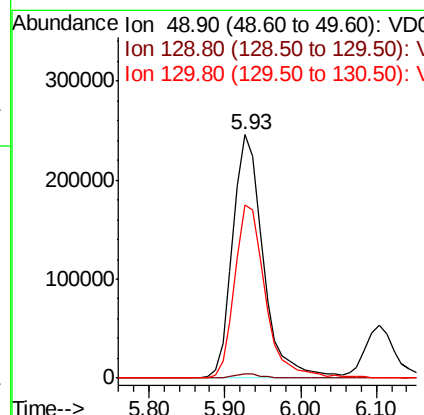
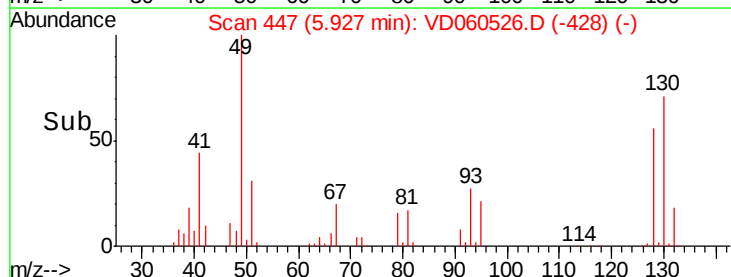
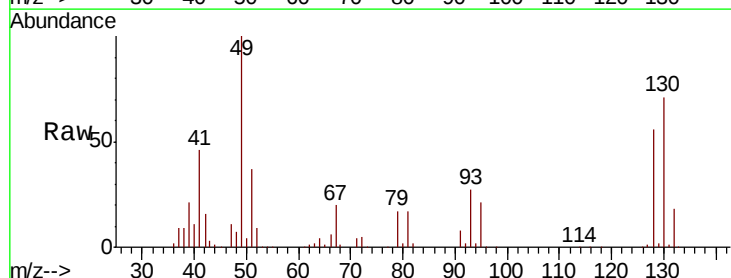
MMDadoda
12/12/2018 1:29:52 PM



#28

Bromochloromethane
Concen: 53.121 ug/l
RT: 5.93 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	71.0	59.8	89.6	





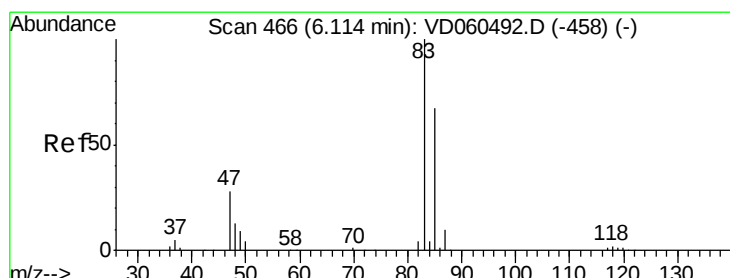
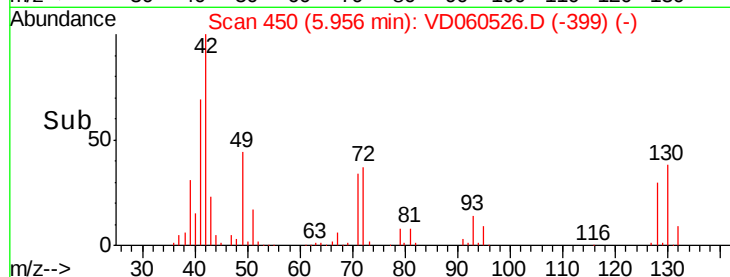
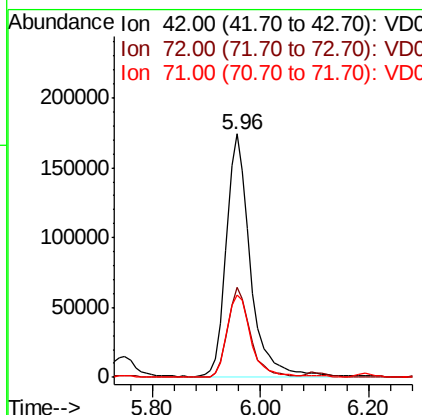
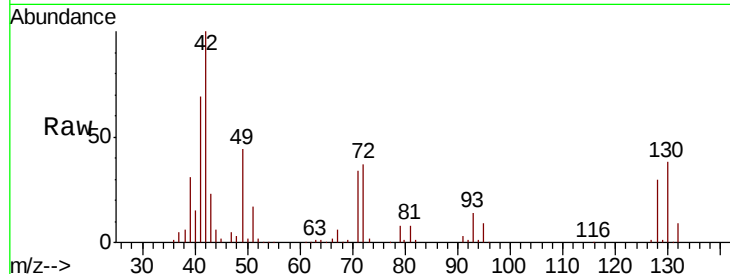
#29
Tetrahydrofuran
Concen: 256.308 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	28.0	42.0
71	34.1	27.2	40.8

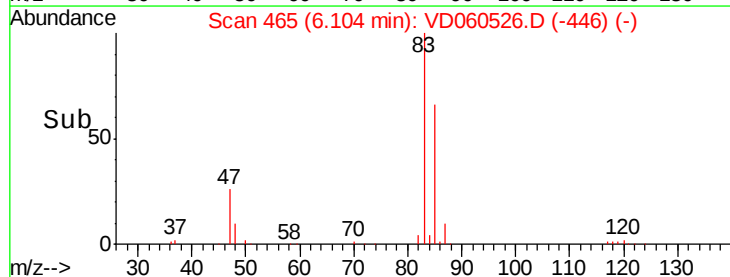
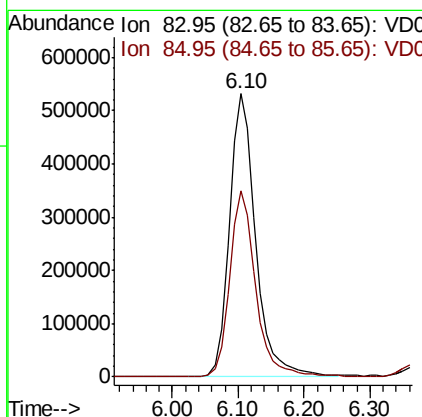
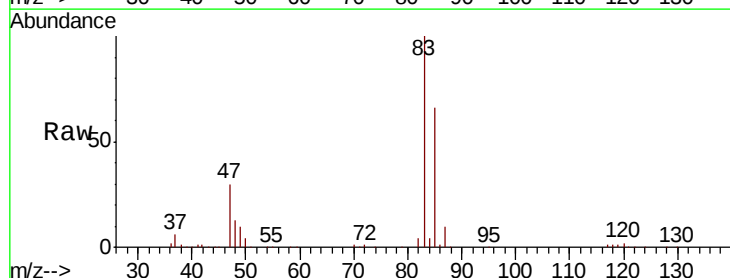
Manual Integrations
APPROVED

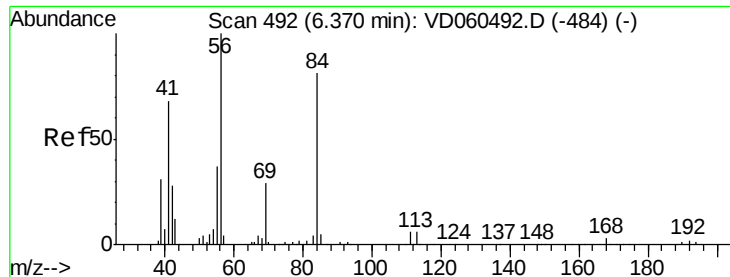
MMDadoda
12/12/2018 1:29:52 PM



#30
Chloroform
Concen: 50.411 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.2





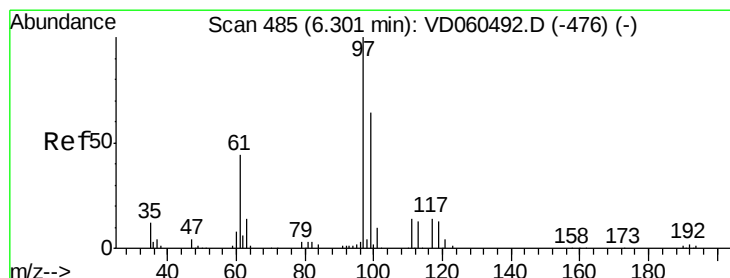
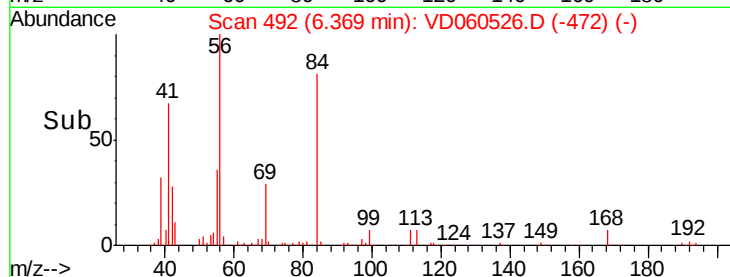
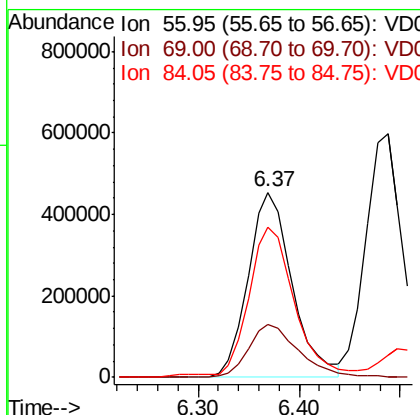
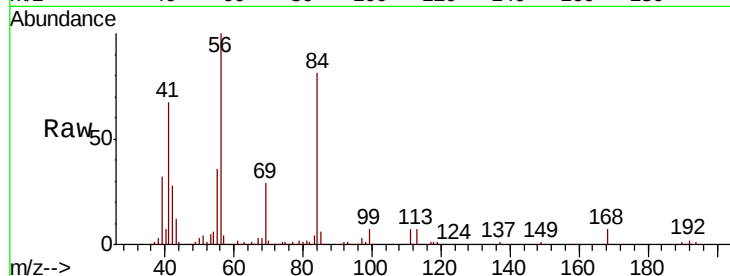
#31
Cvclohexane
Concen: 55.556 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.8	34.2
84	81.1	65.1	97.7

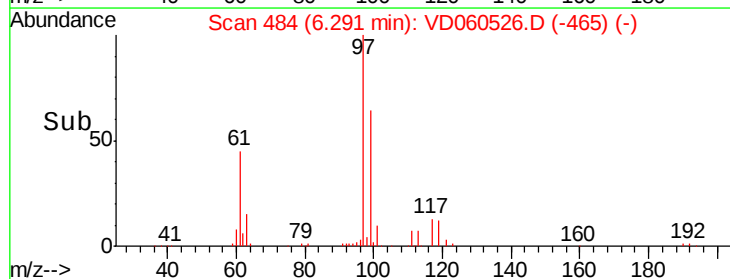
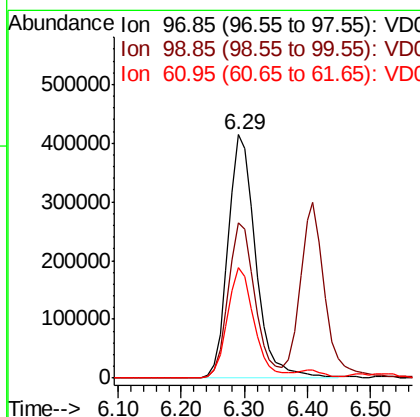
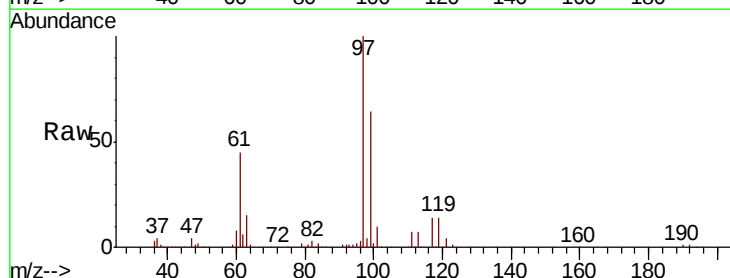
Manual Integrations
APPROVED

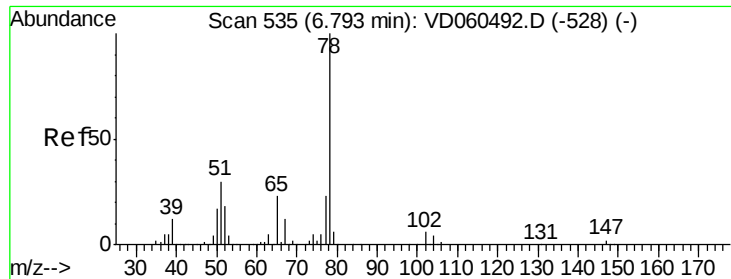
MMDadoda
12/12/2018 1:29:52 PM



#32
1,1,1-Trichloroethane
Concen: 51.960 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	45.2	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 51.960 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 555147

Ion Ratio Lower Upper

65 100

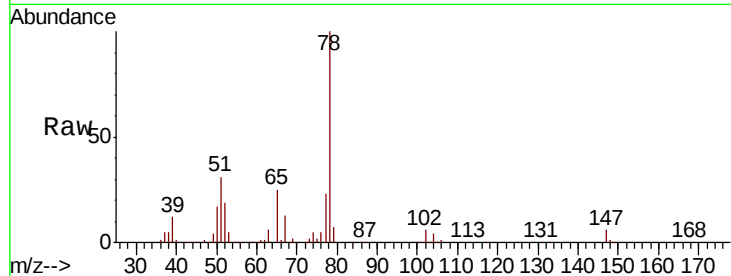
67 50.9 0.0 106.8

Manual Integrations

APPROVED

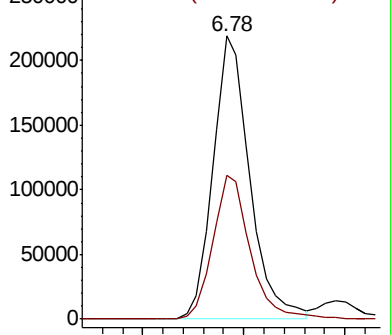
MMDadoda

12/12/2018 1:29:52 PM

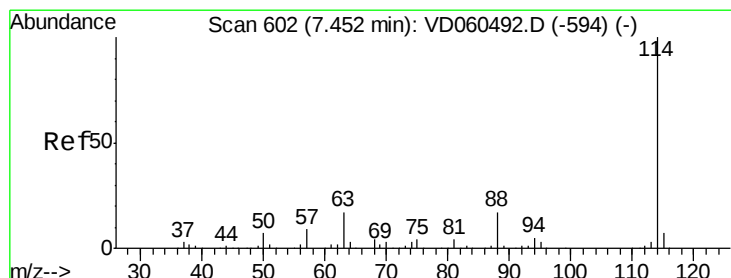
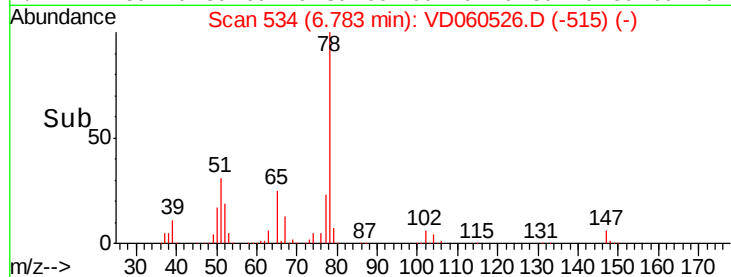


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

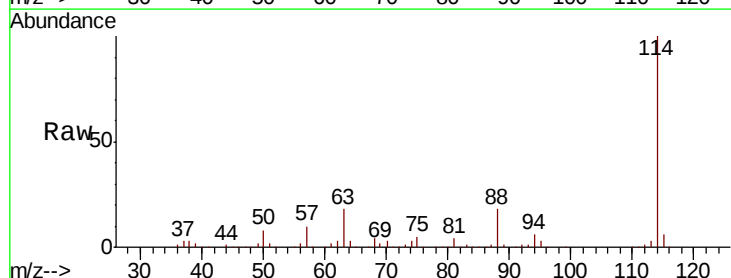
Tgt Ion: 114 Resp: 2291966

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.2

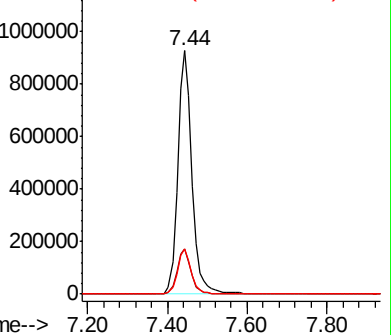
88 18.4 0.0 35.0



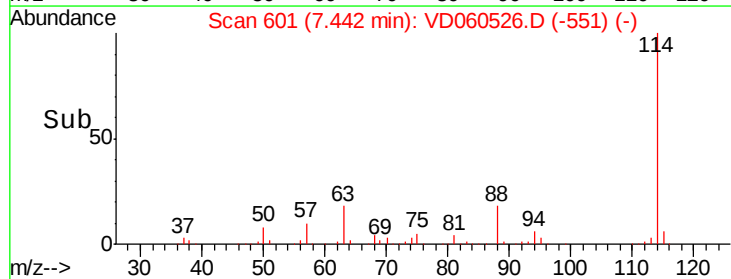
Abundance Ion 114.00 (113.70 to 114.70): V

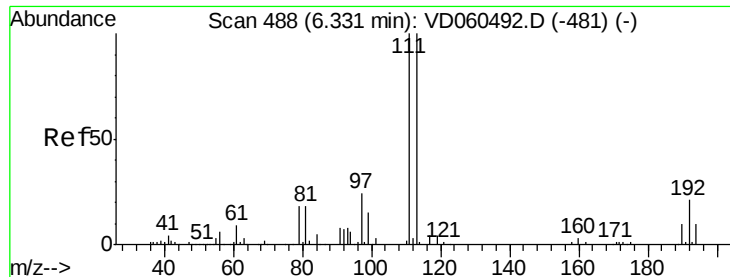
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





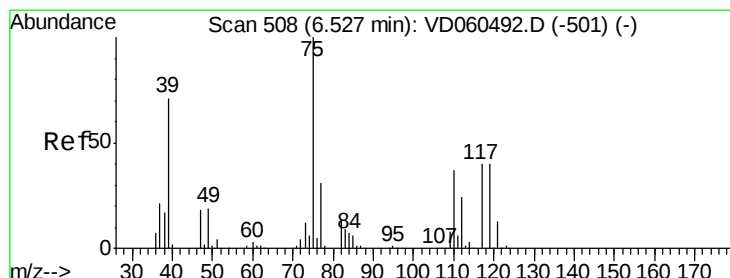
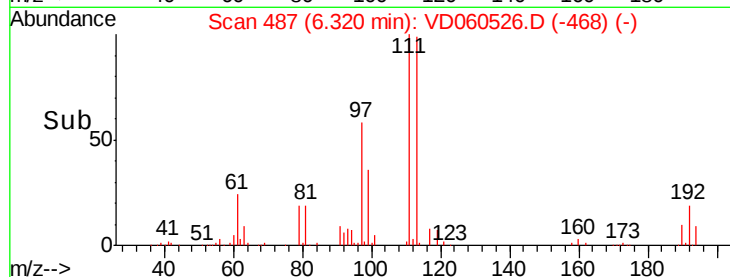
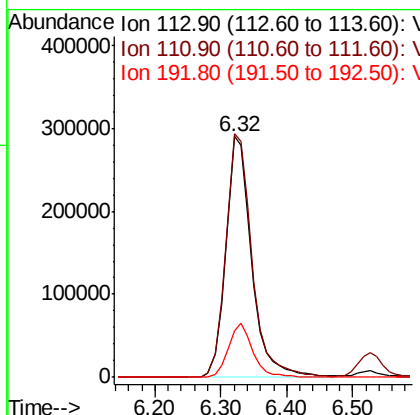
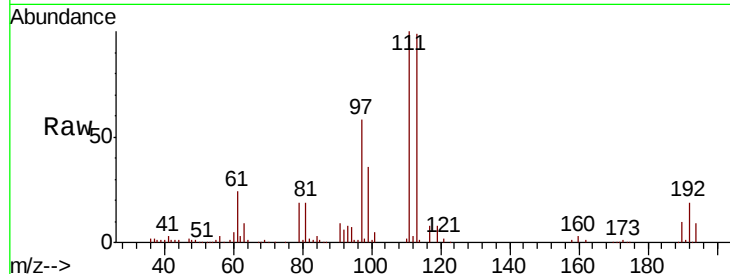
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 487
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	797373		
111	101.3	80.2	120.4	
192	19.5	16.6	24.8	

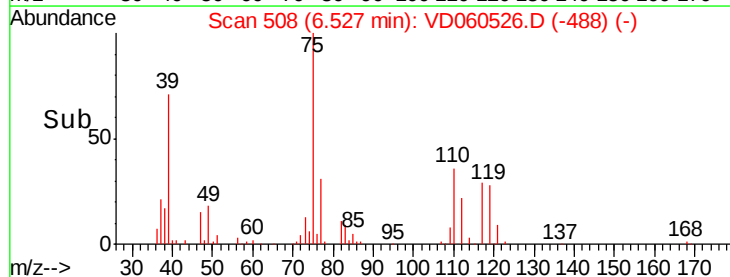
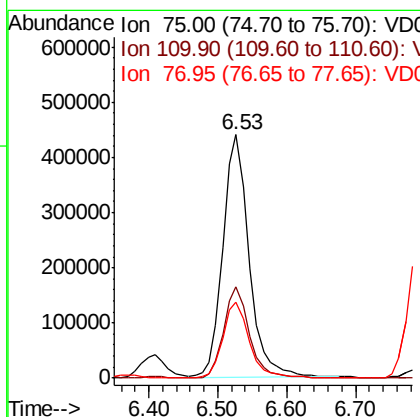
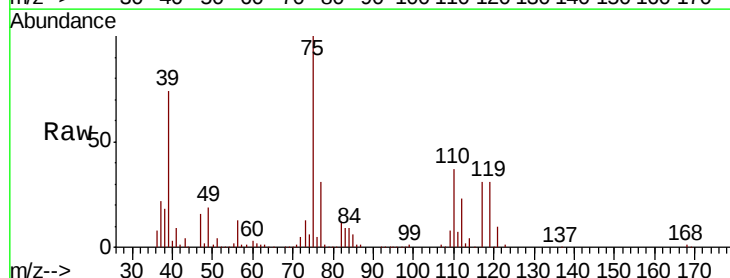
Manual Integrations
APPROVED

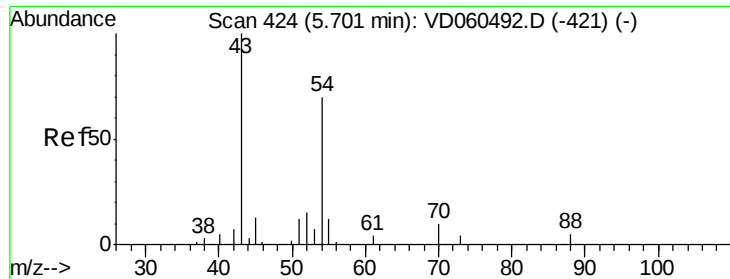
MMDadoda
12/12/2018 1:29:52 PM



#36
1,1-Dichloropropene
Concen: 51.455 ug/l
RT: 6.53 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1152778		
110	37.3	18.3	54.8	
77	31.4	24.6	37.0	





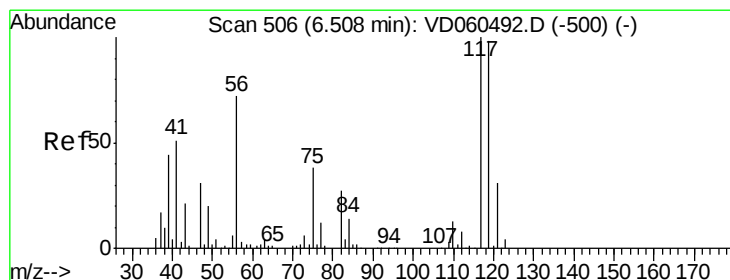
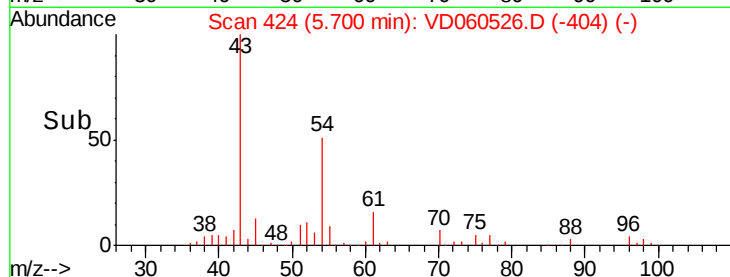
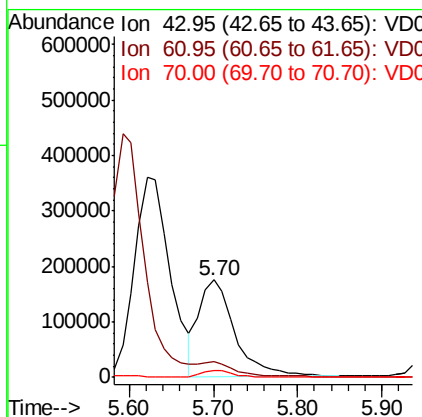
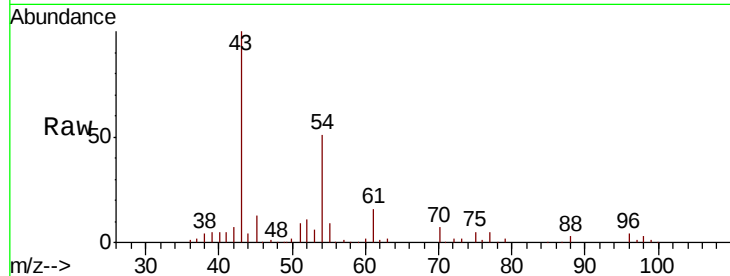
#37
Ethyl Acetate
Concen: 52.897 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	7.2	5.4	8.0

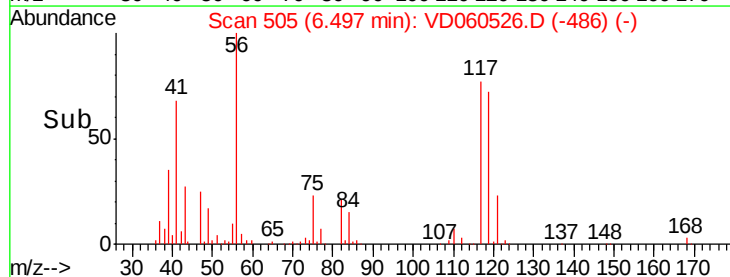
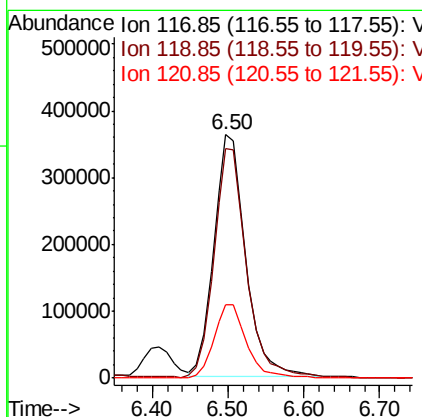
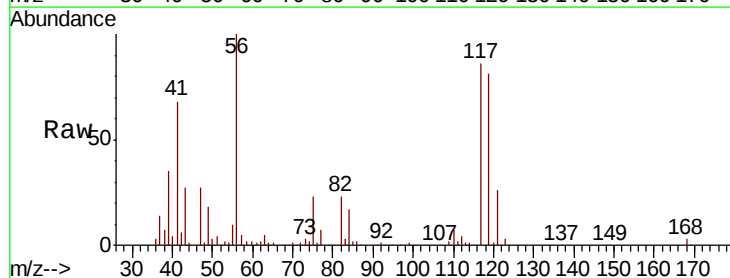
Manual Integrations
APPROVED

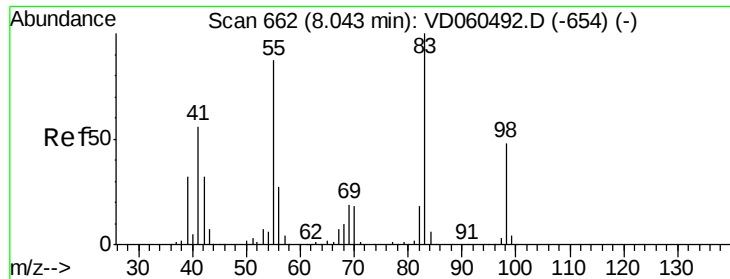
MMDadoda
12/12/2018 1:29:52 PM



#38
Carbon Tetrachloride
Concen: 52.521 ug/l
RT: 6.50 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.8	115.2
121	30.0	24.4	36.6





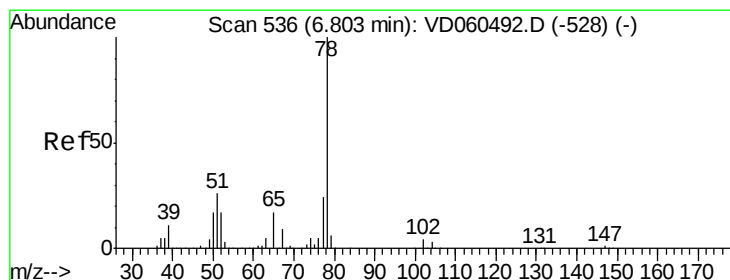
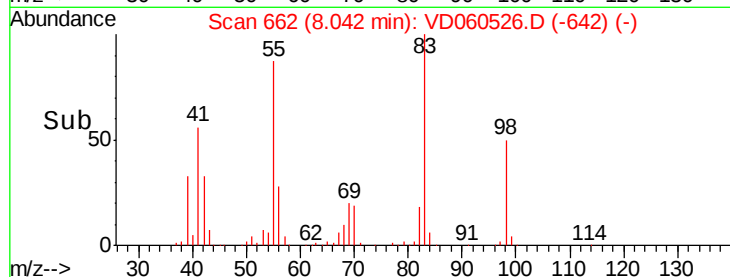
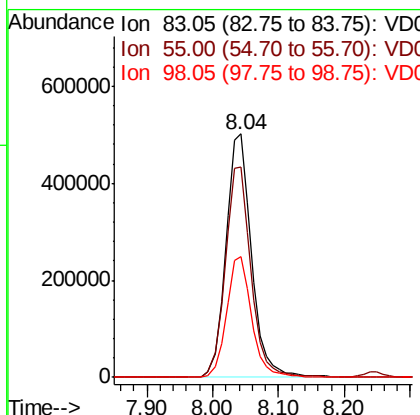
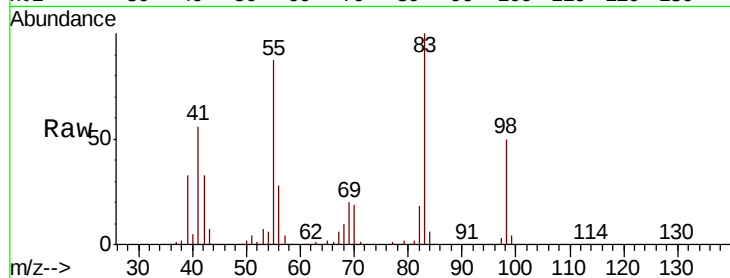
#39
Methvlcvclohexane
Concen: 53.302 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1361316
Ion Ratio Lower Upper
83 100
55 86.6 69.8 104.8
98 49.5 38.4 57.6

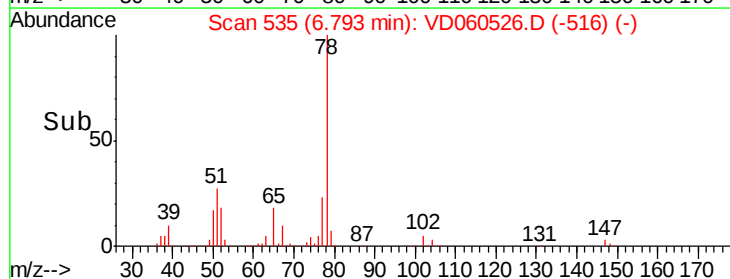
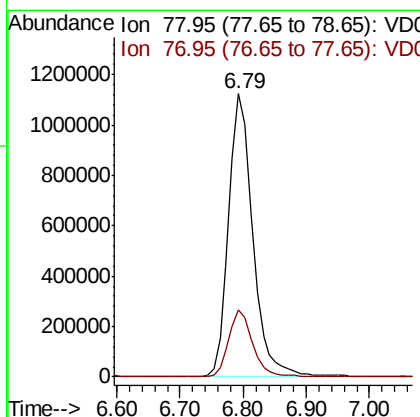
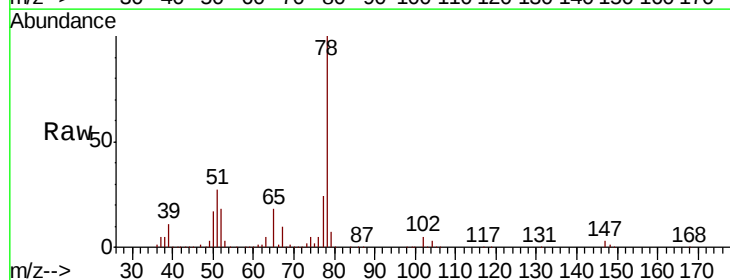
Manual Integrations
APPROVED

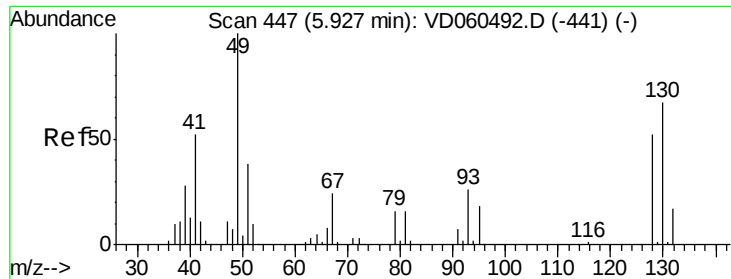
MMDadoda
12/12/2018 1:29:52 PM



#40
Benzene
Concen: 52.144 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 78 Resp: 2985565
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3





#41

Methacrylonitrile

Concen: 53.810 ug/l m

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 281838
Ion Ratio Lower Upper

41 100

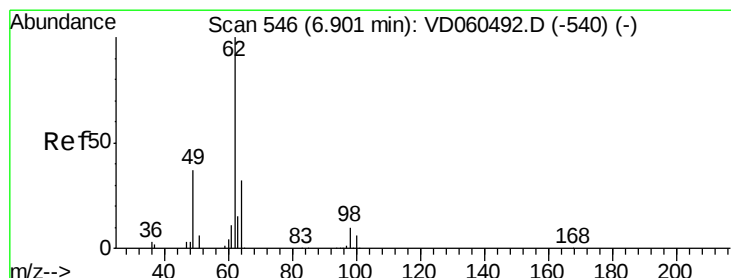
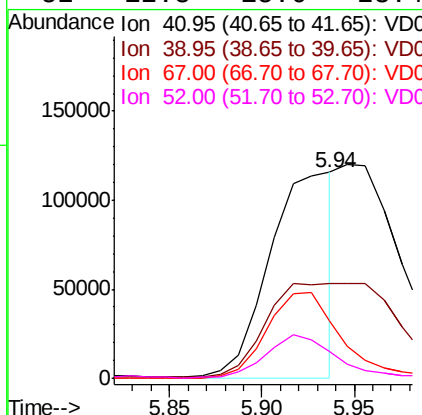
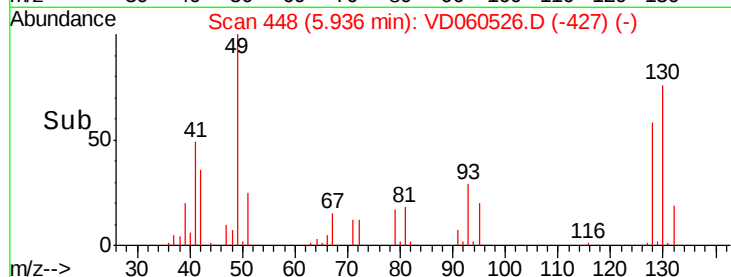
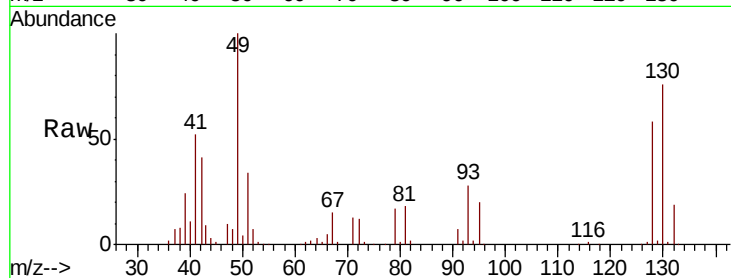
39 46.2 42.6 63.8

67 28.3 36.2 54.4#

52 12.8 15.6 23.4#

Manual Integrations
APPROVED

MMDadoda
12/12/2018 1:29:52 PM



#42

1,2-Dichloroethane

Concen: 51.764 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.01 min

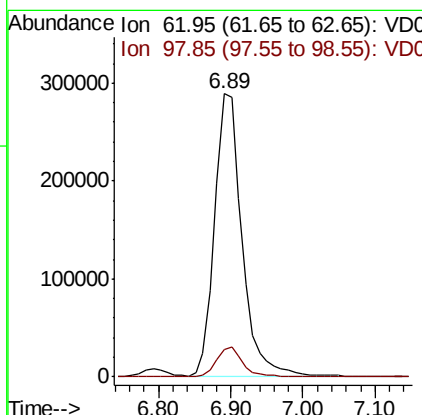
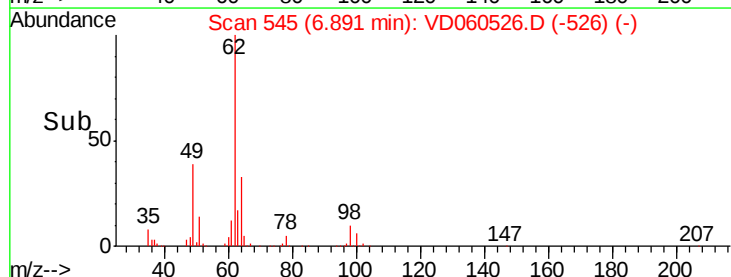
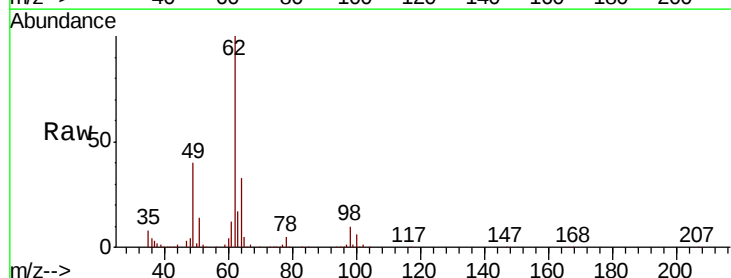
Lab File: VD060526.D

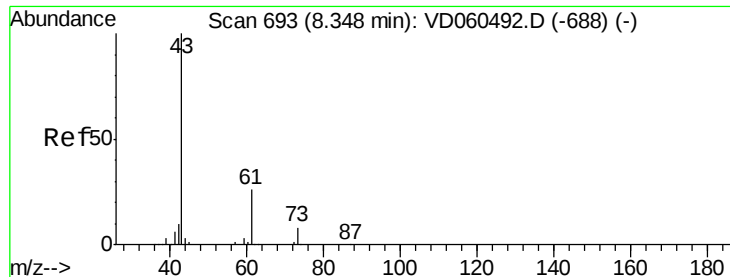
Acq: 11 Dec 2018 10:23

Tgt Ion: 62 Resp: 753571
Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.2





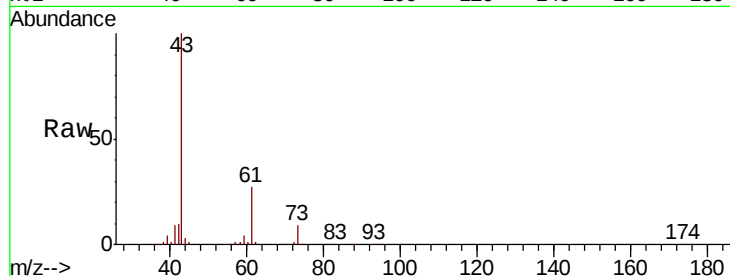
#43
Isopropyl Acetate
Concen: 54.750 ug/l
RT: 8.35 min Scan# 693
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

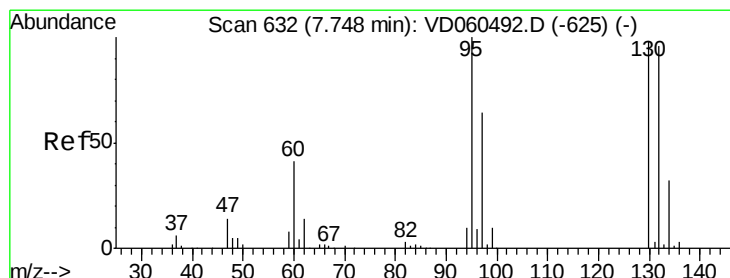
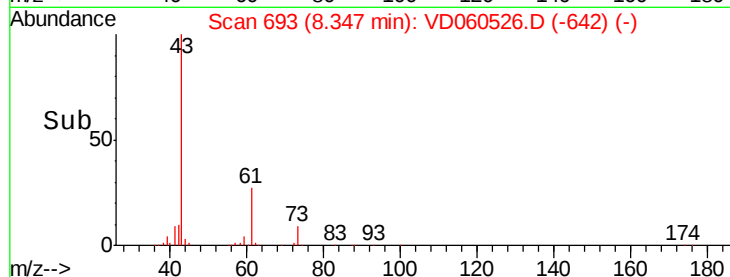
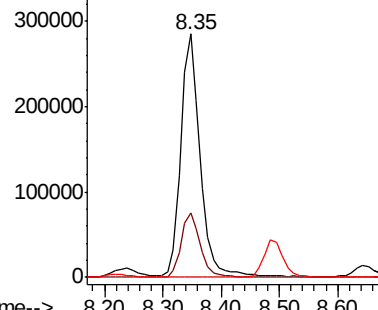
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.0	31.4
87	0.3	0.2	0.2#

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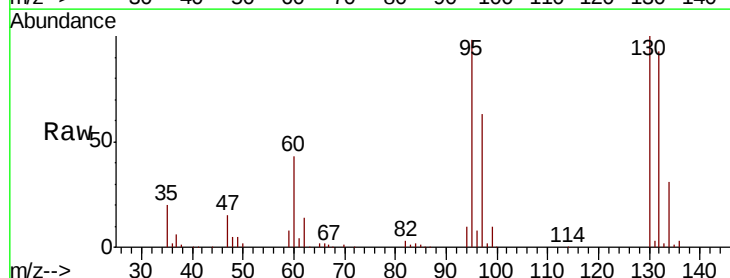


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

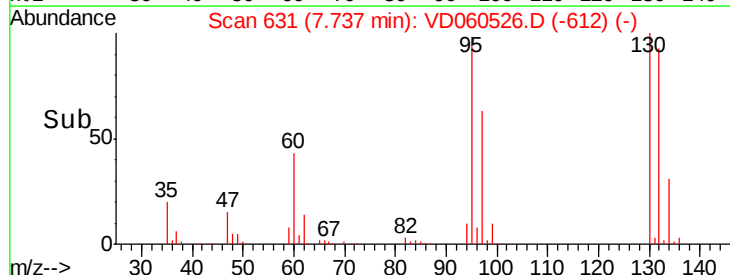
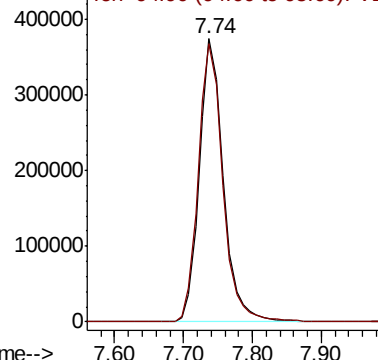


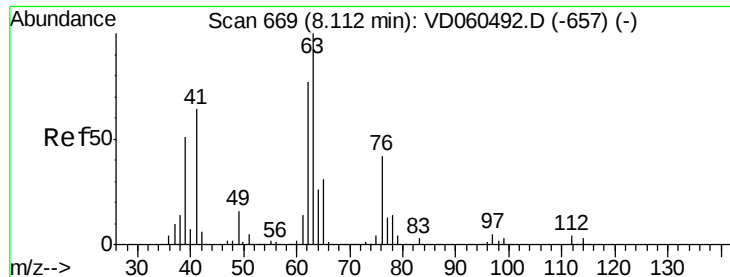
#44
Trichloroethene
Concen: 52.609 ug/l
RT: 7.74 min Scan# 631
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	203.8



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





#45

1,2-Dichloropropane

Concen: 52.398 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 742000

Ion Ratio Lower Upper

63 100

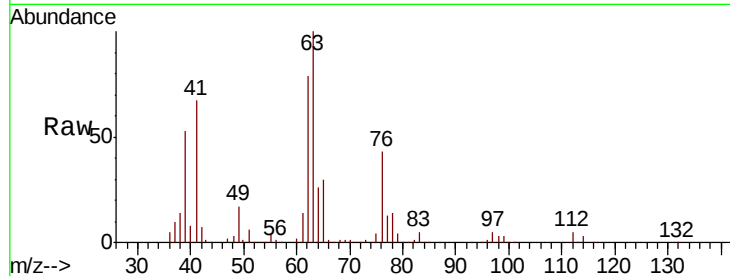
65 29.9 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

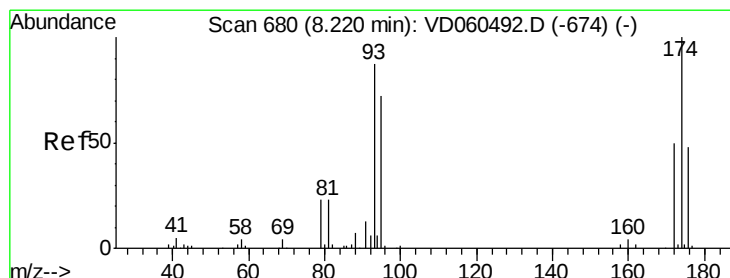
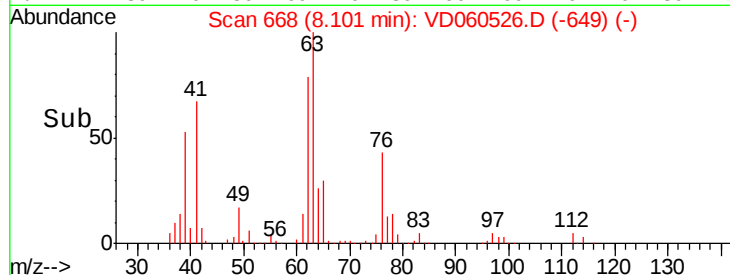
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 51.877 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

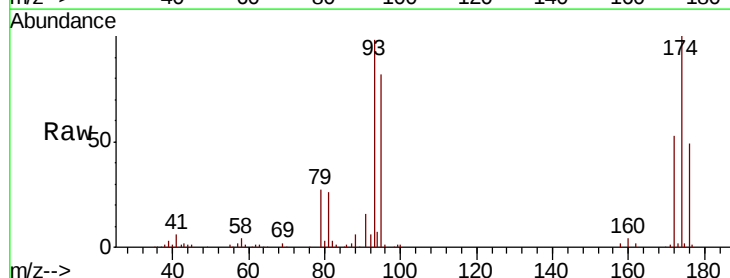
Tgt Ion: 93 Resp: 424448

Ion Ratio Lower Upper

93 100

95 83.2 65.6 98.4

174 101.6 91.7 137.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

250000

200000

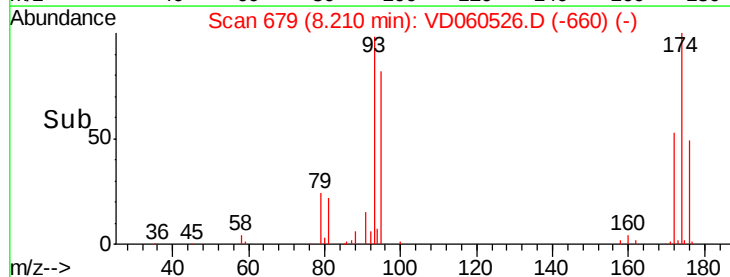
150000

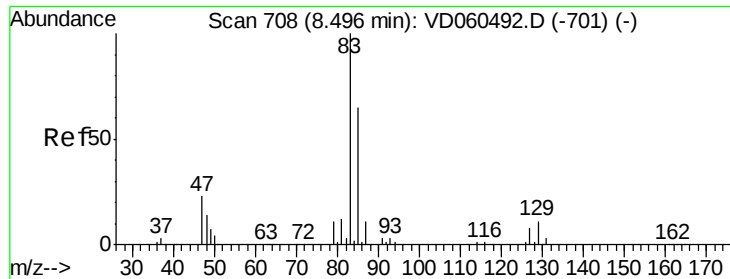
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 52.378 ug/l

RT: 8.49 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1016826

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4

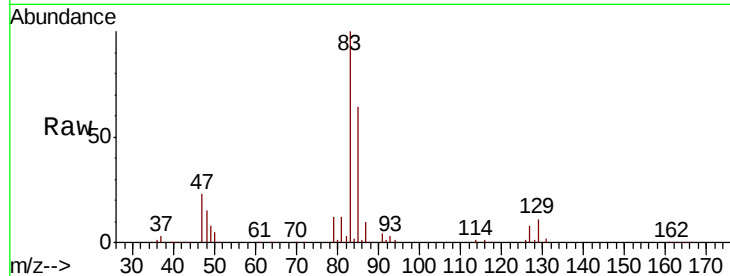
127 8.2 6.7 10.1

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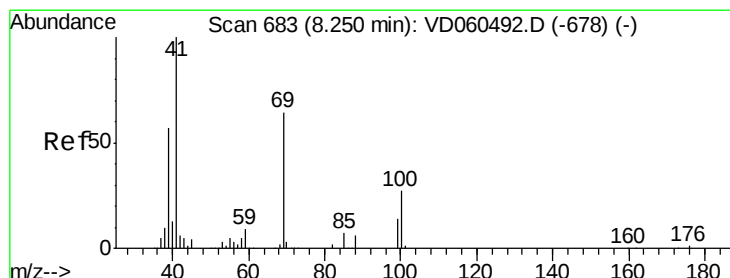
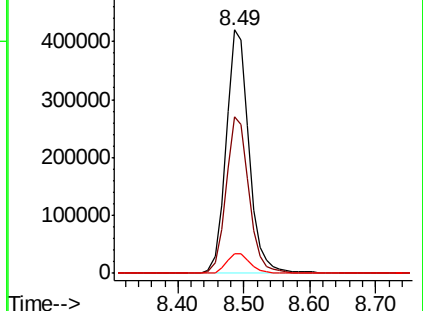
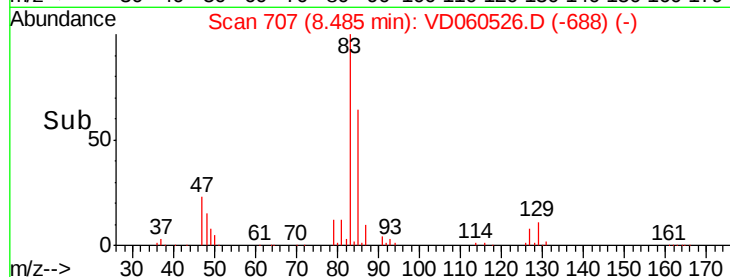
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.752 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

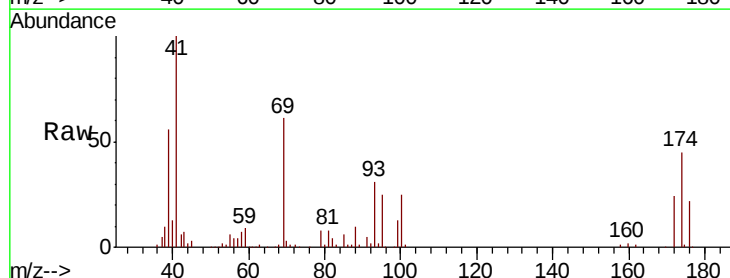
Tgt Ion: 41 Resp: 381458

Ion Ratio Lower Upper

41 100

69 61.0 50.2 75.4

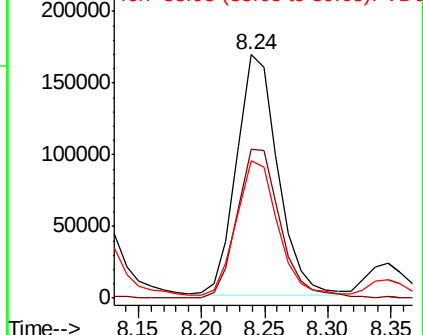
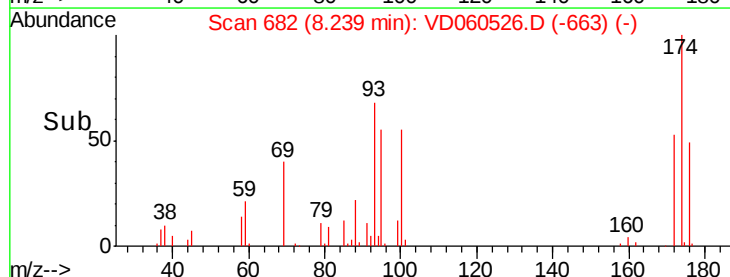
39 56.3 46.1 69.1

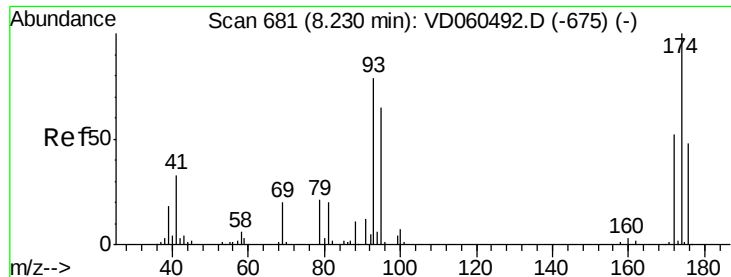


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





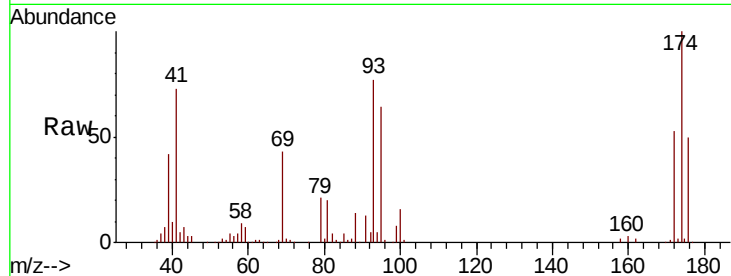
#49
1,4-Dioxane
Concen: 1156.220 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

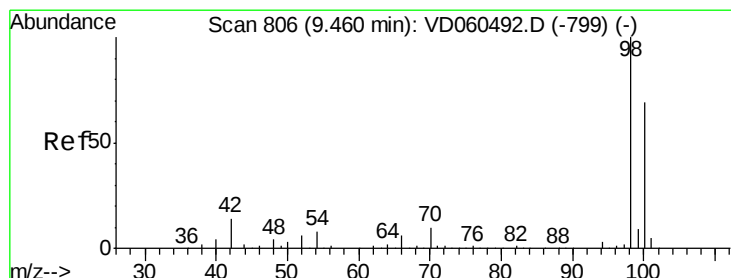
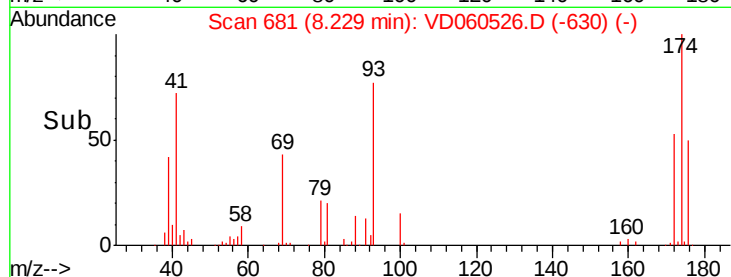
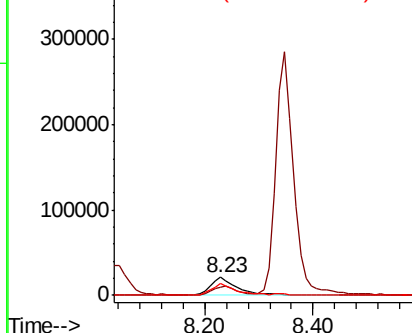
Tot Ion	88	Resp	74367
Ion	Ratio	Lower	Upper
88	100		
43	45.7	32.9	49.3
58	64.8	47.7	71.5

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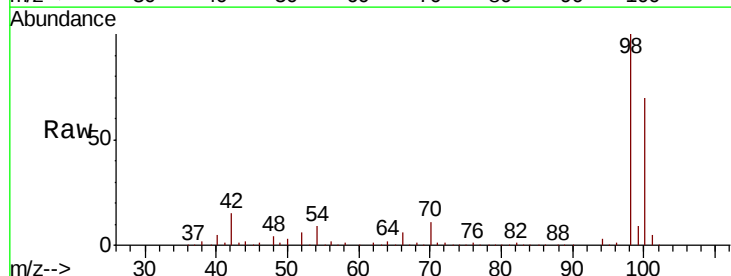


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

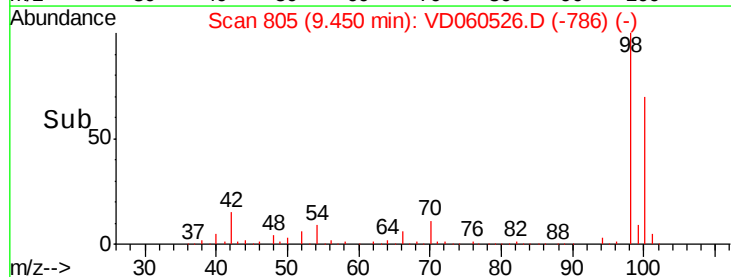
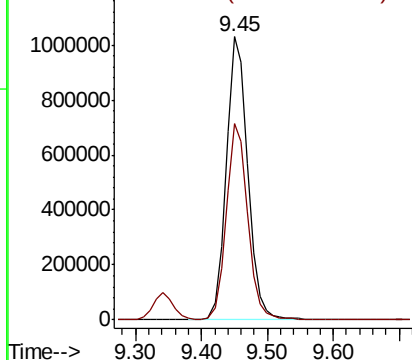


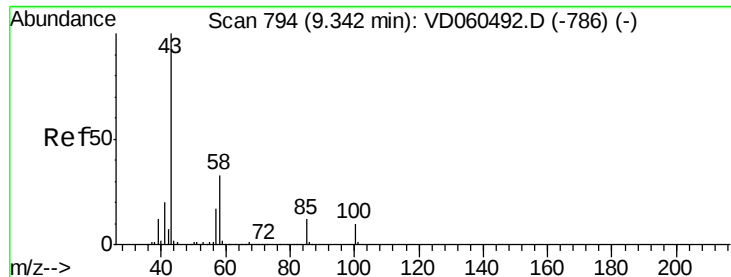
#50
Toluene-d8
Concen: 1156.220 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	98	Resp	2354298
Ion	Ratio	Lower	Upper
98	100		
100	69.5	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: 277.252 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2068479

Ion Ratio Lower Upper

43 100

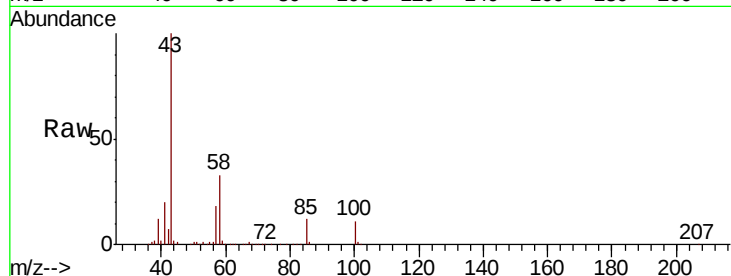
58 33.3 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

800000

600000

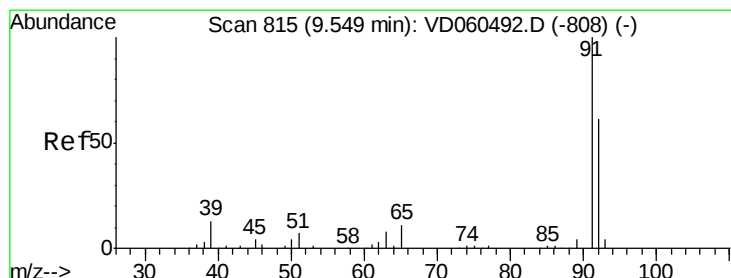
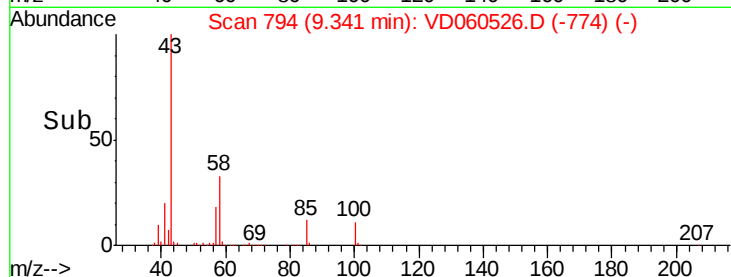
400000

200000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 52.929 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060526.D

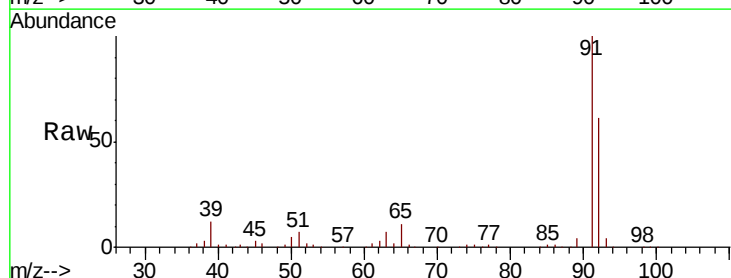
Acq: 11 Dec 2018 10:23

Tgt Ion: 92 Resp: 1894155

Ion Ratio Lower Upper

92 100

91 163.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

1500000

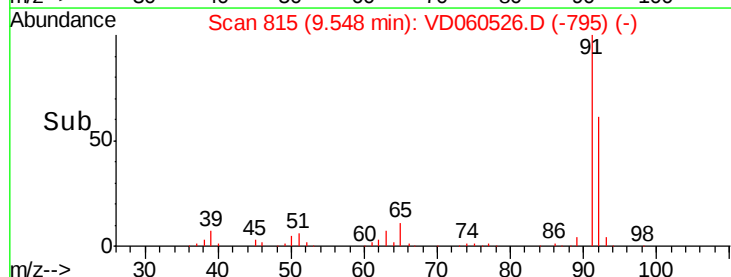
1000000

500000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.284 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 849974

Ion Ratio Lower Upper

75 100

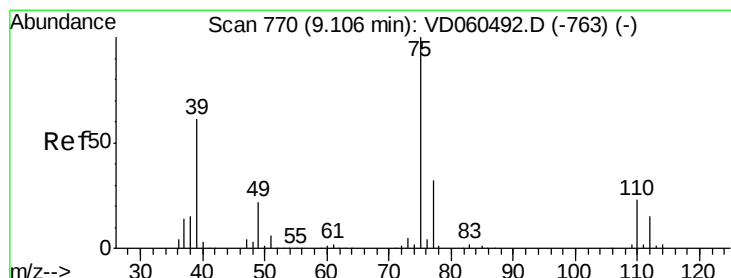
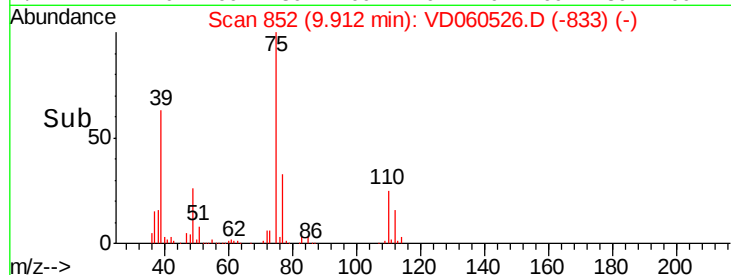
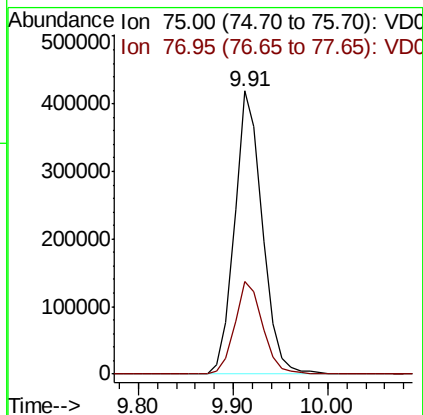
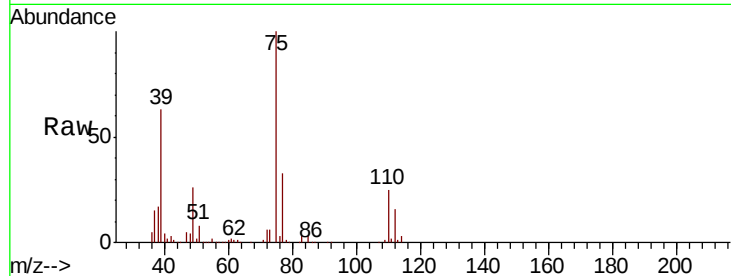
77 32.8 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 53.984 ug/l

RT: 9.11 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

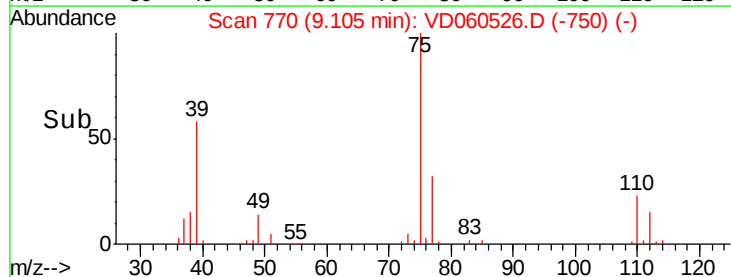
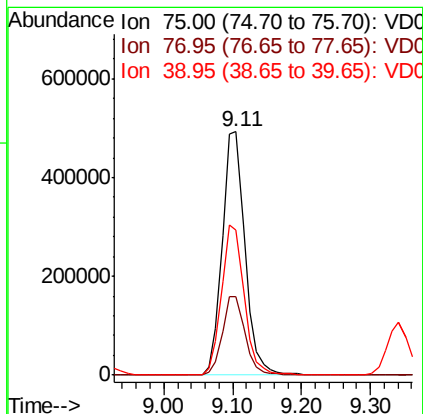
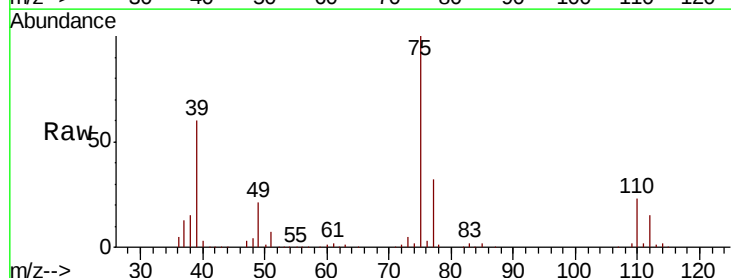
Tgt Ion: 75 Resp: 1131397

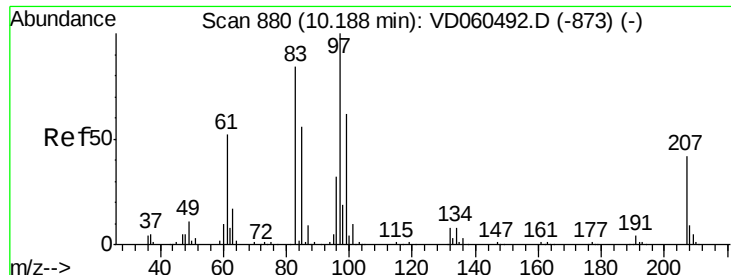
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 59.5 48.6 73.0





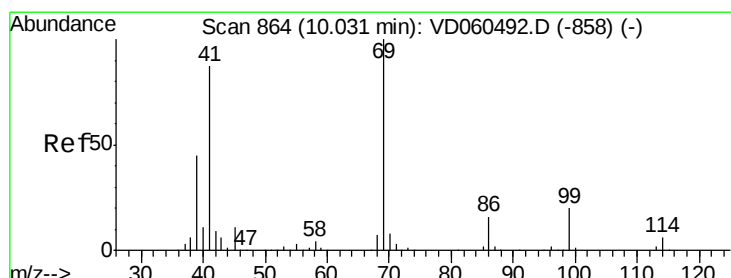
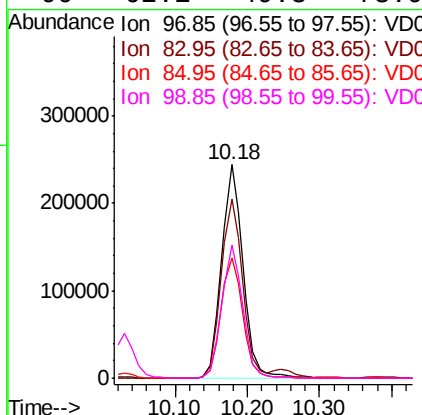
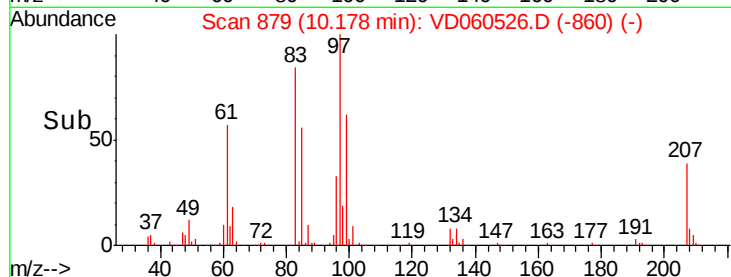
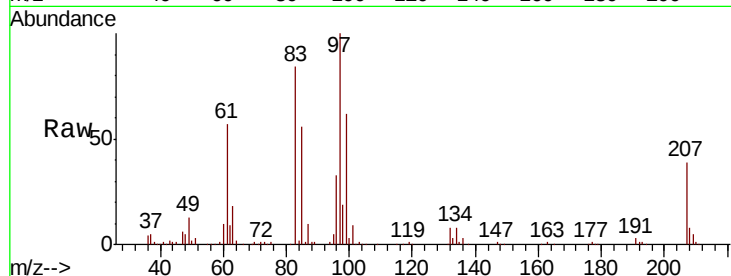
#55
 1,1,2-Trichloroethane
 Concen: 50.419 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	502468
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.2	100.8
85	56.1	44.5	66.7
99	62.1	49.3	73.9

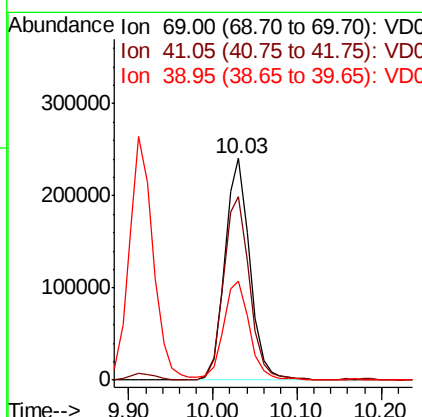
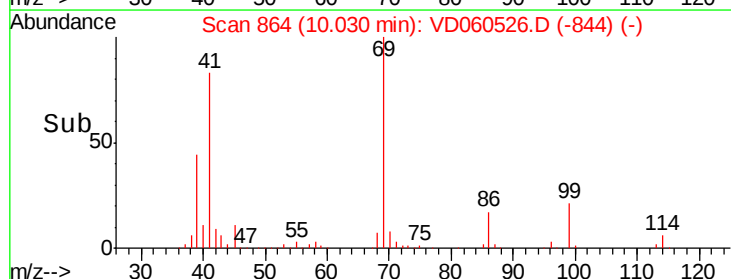
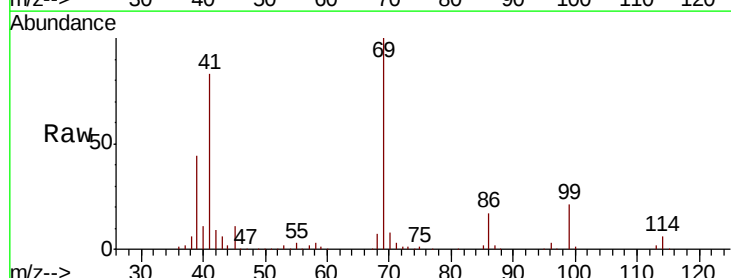
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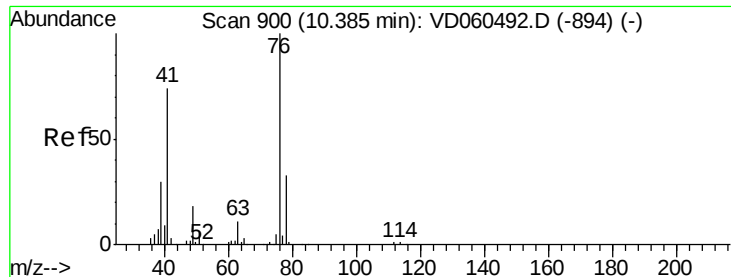
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#56
 Ethyl methacrylate
 Concen: 54.773 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion:	69	Resp:	494020
Ion	Ratio	Lower	Upper
69	100		
41	82.6	69.8	104.8
39	44.4	37.5	56.3





#57

1,3-Dichloropropane

Concen: 51.883 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 799303

Ion Ratio Lower Upper

76 100

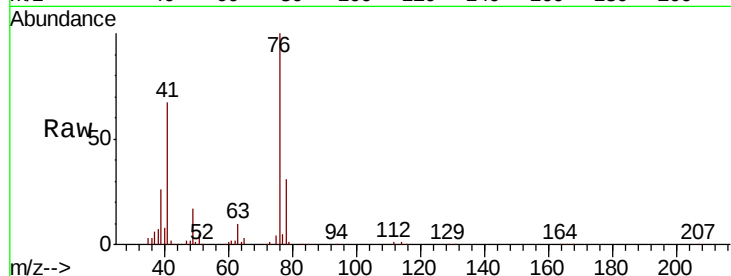
78 31.4 26.1 39.1

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

400000

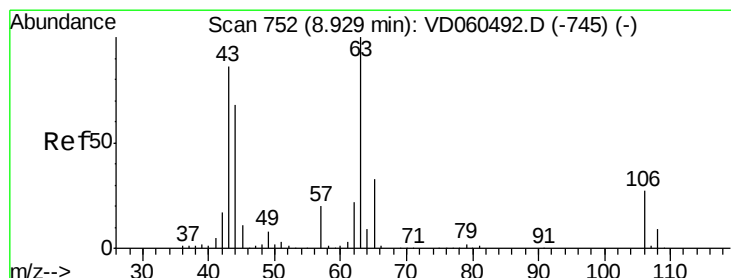
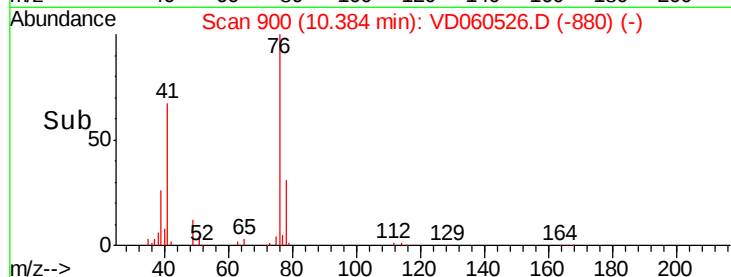
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 261.248 ug/l

RT: 8.92 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD060526.D

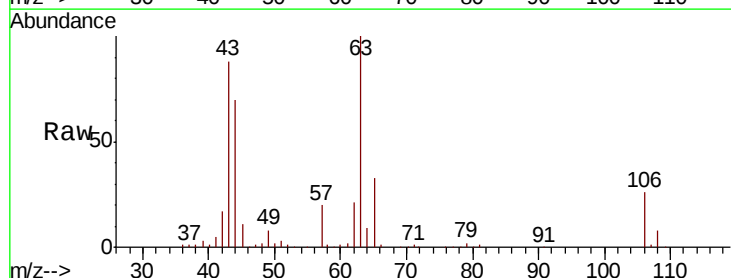
Acq: 11 Dec 2018 10:23

Tgt Ion: 63 Resp: 1409877

Ion Ratio Lower Upper

63 100

106 26.0 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

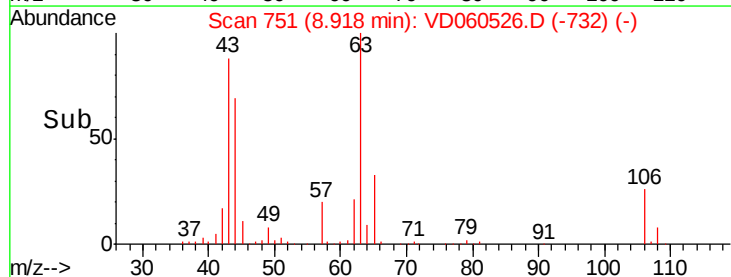
600000

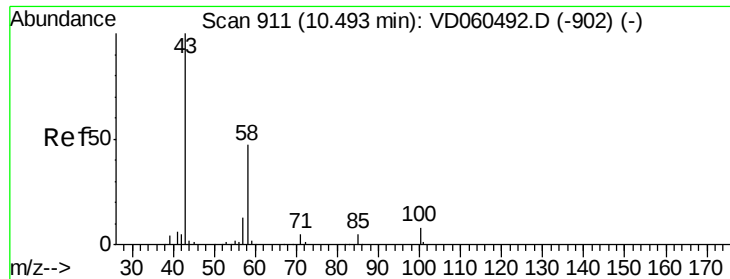
400000

200000

0

Time-->





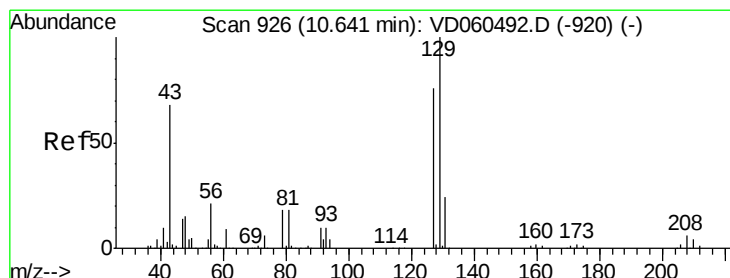
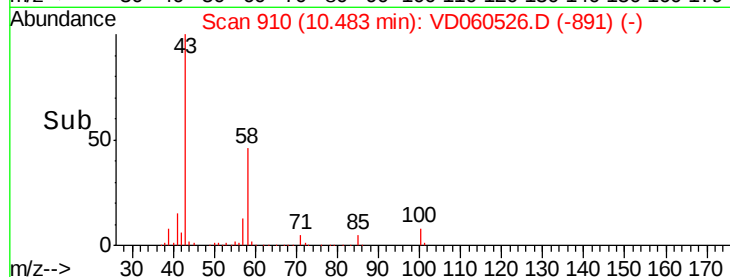
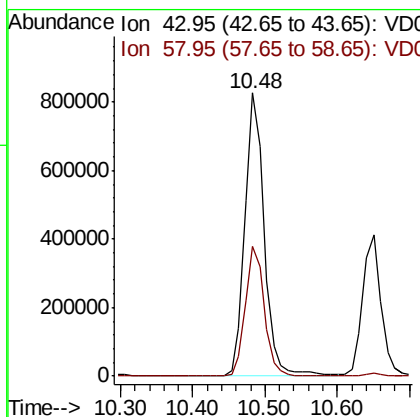
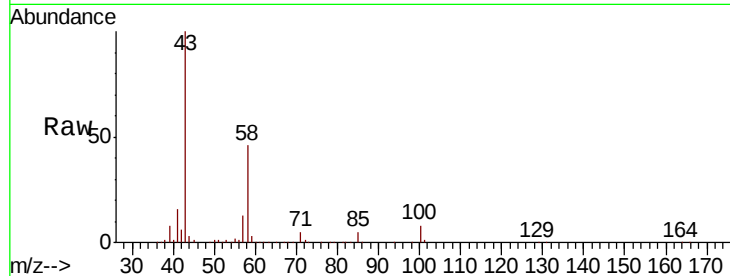
#59
2-Hexanone
Concen: 298.501 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1556630
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.2

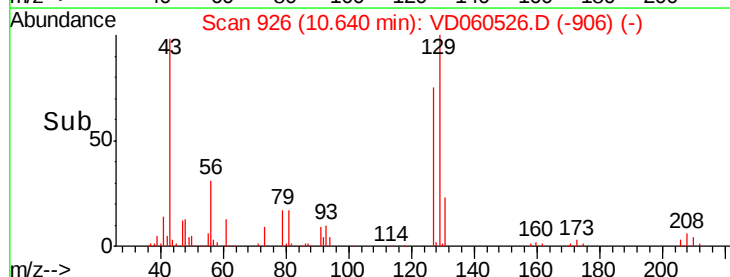
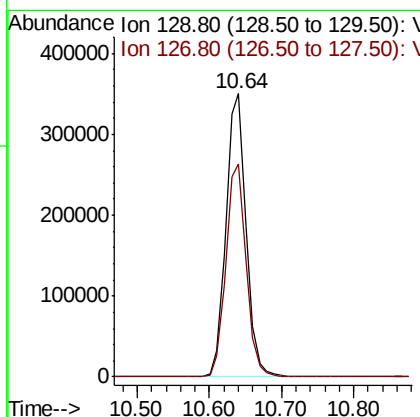
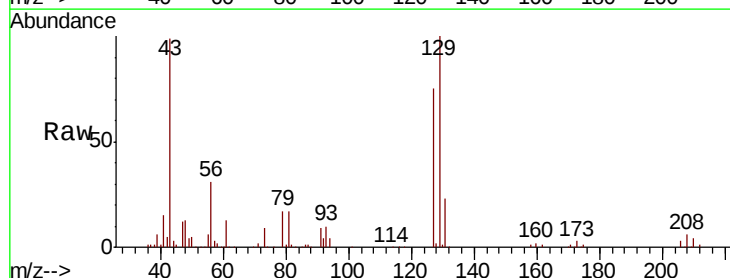
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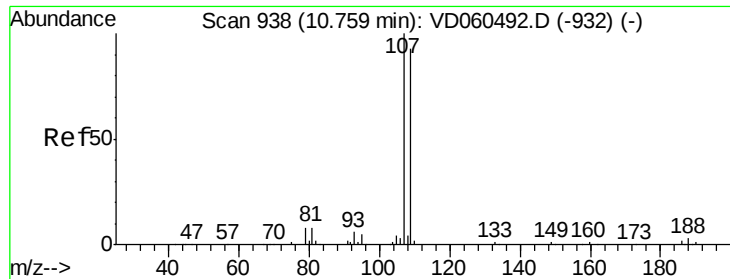
MMDadoda
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#60
Dibromochloromethane
Concen: 54.299 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 129 Resp: 676569
Ion Ratio Lower Upper
129 100
127 75.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 53.273 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 541053

Ion Ratio Lower Upper

107 100

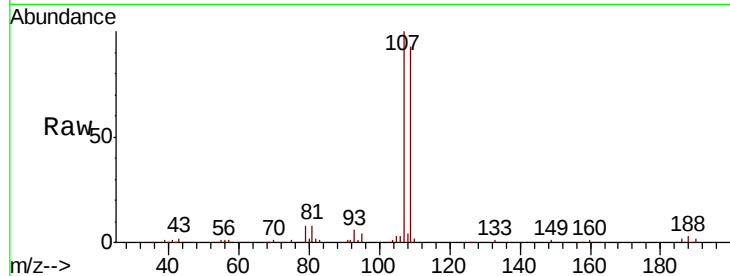
109 92.8 74.7 112.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

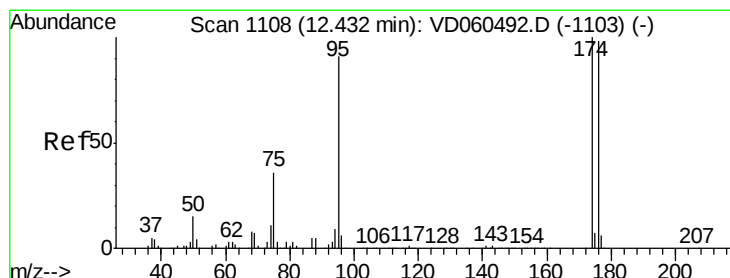
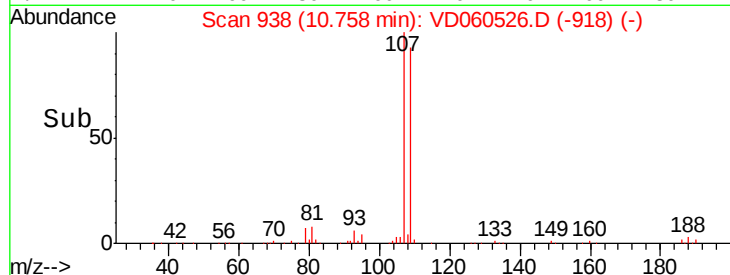
300000

200000

100000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 53.273 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

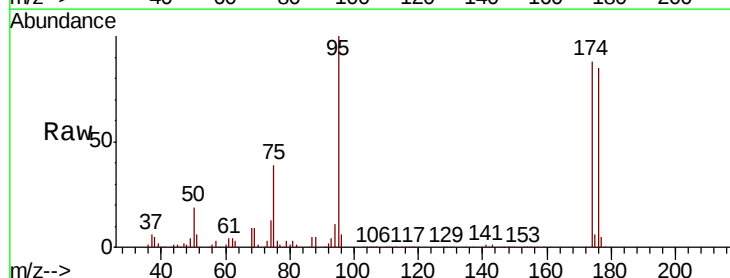
Tgt Ion: 95 Resp: 828513

Ion Ratio Lower Upper

95 100

174 87.9 0.0 219.4

176 84.7 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

800000

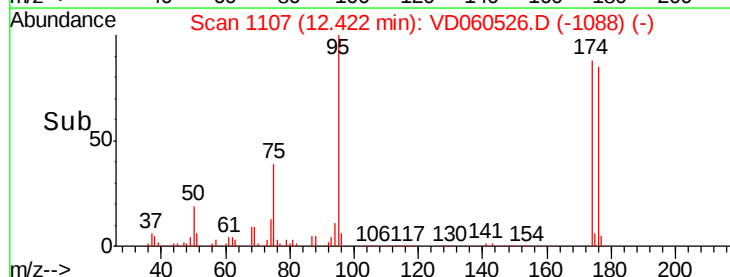
600000

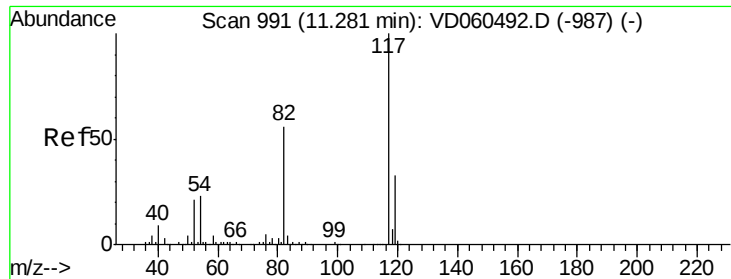
400000

200000

0

Time--> 12.40 12.50





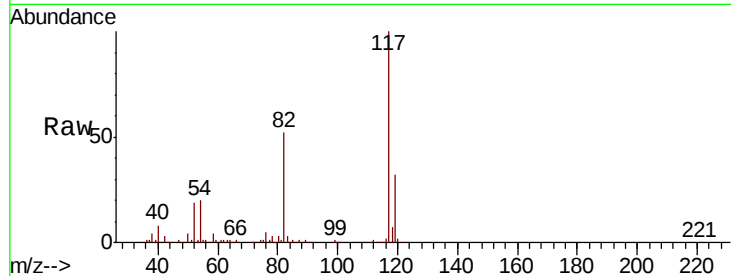
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

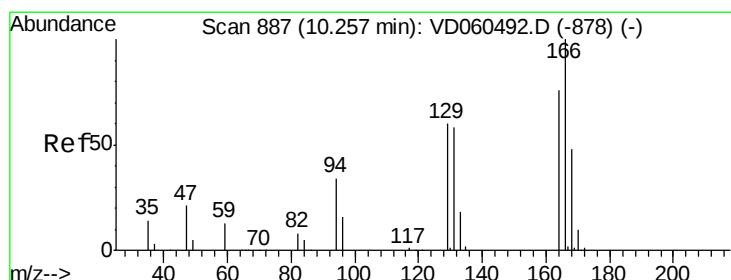
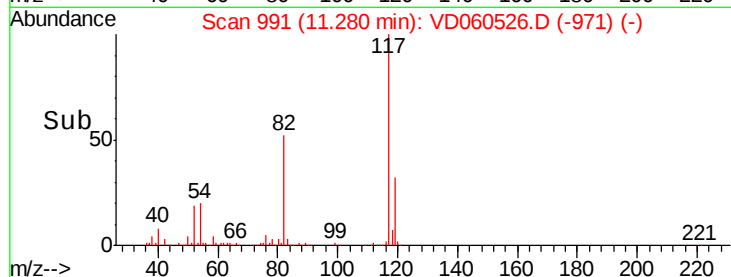
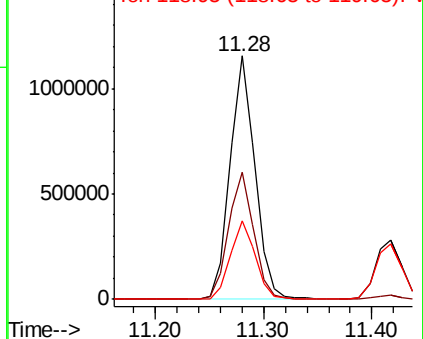
Tot Ion:117 Resp: 1855276
Ion Ratio Lower Upper
117 100
82 52.4 45.2 67.8
119 32.4 26.1 39.1

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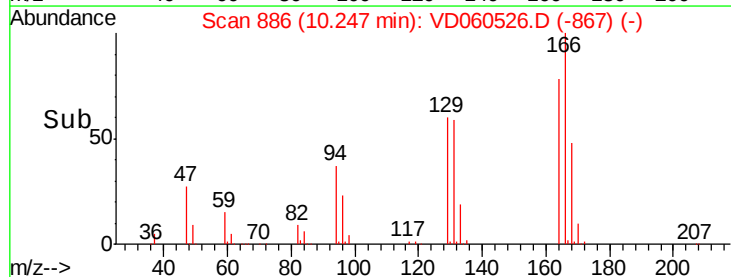
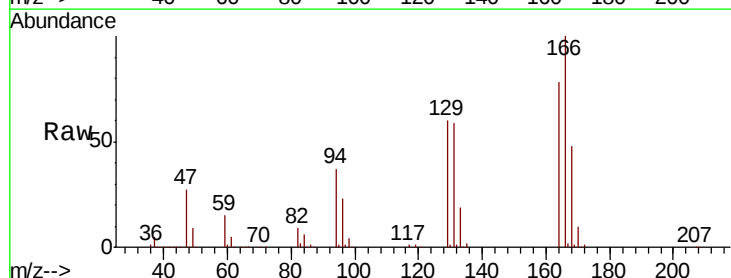
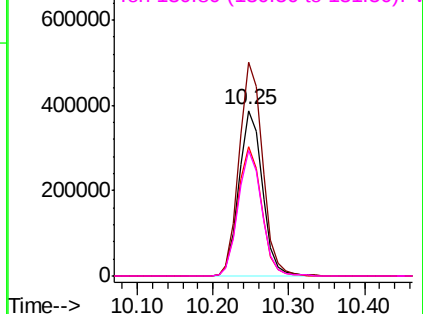
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 50.304 ug/l
RT: 10.25 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion:164 Resp: 826397
Ion Ratio Lower Upper
164 100
166 128.9 105.0 157.6
129 77.7 63.0 94.4
131 75.5 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





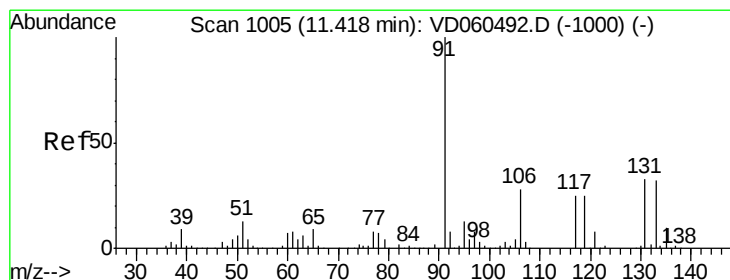
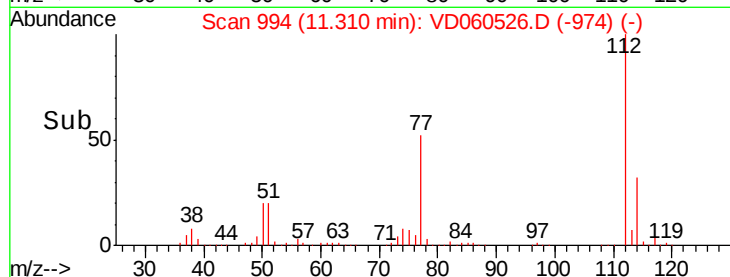
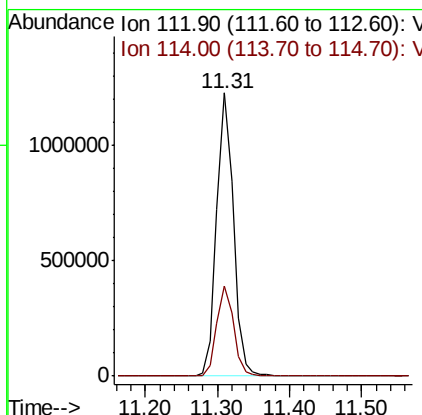
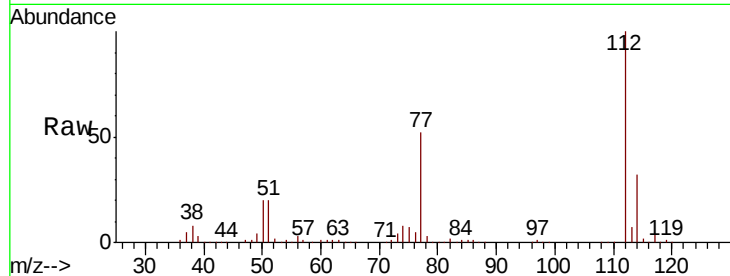
#65
Chlorobenzene
Concen: 49.805 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1954817
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

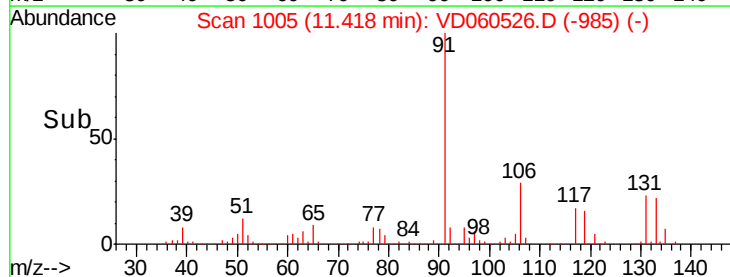
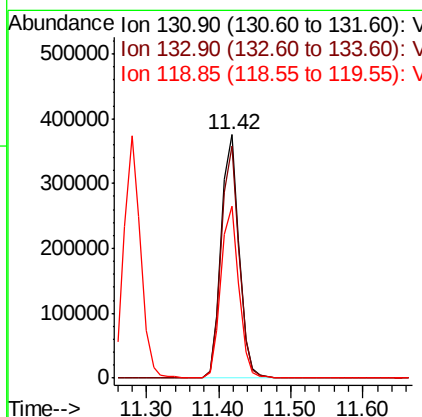
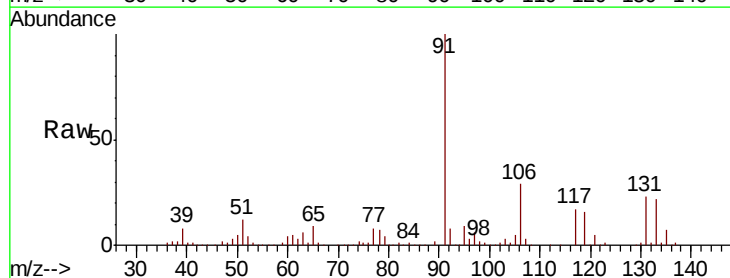
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.670 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion:131 Resp: 641012
Ion Ratio Lower Upper
131 100
133 95.4 49.1 147.3
119 70.8 37.5 112.3





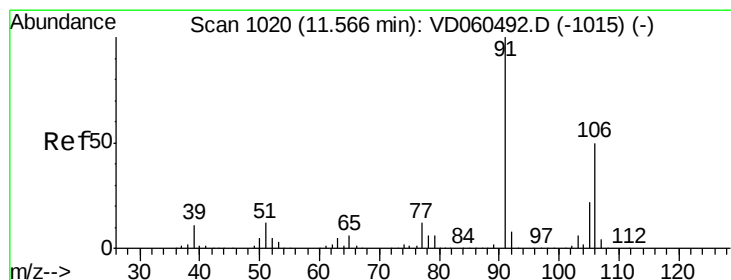
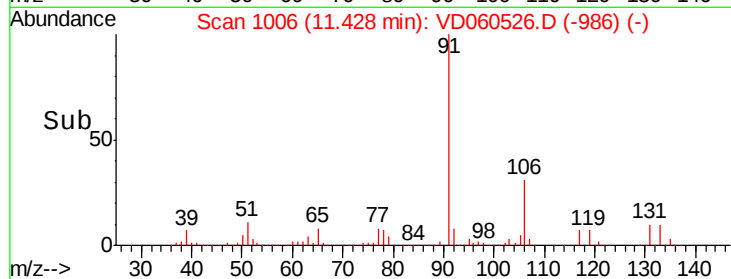
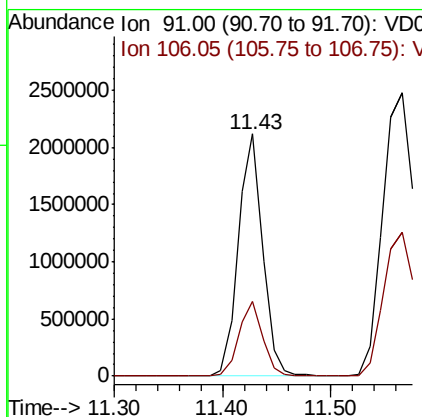
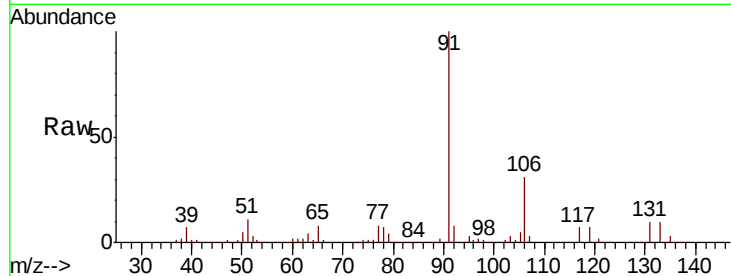
#67
Ethyl Benzene
Concen: 49.409 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3307851
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0

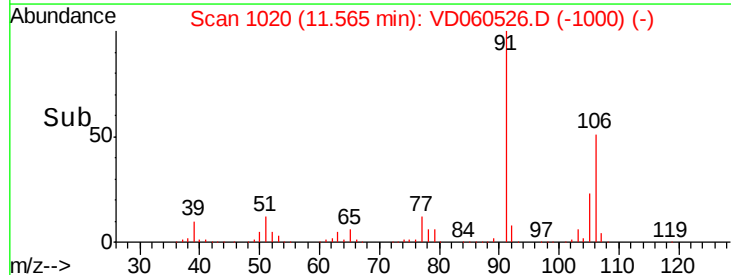
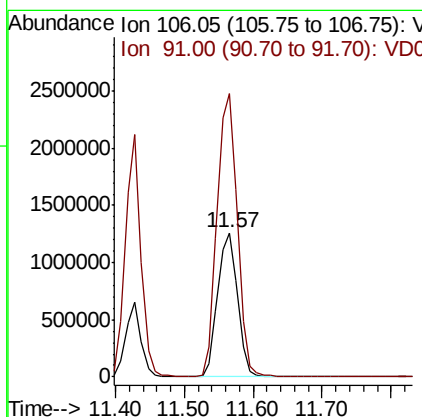
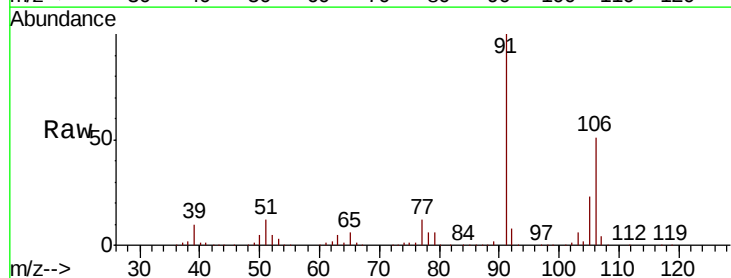
Manual Integrations
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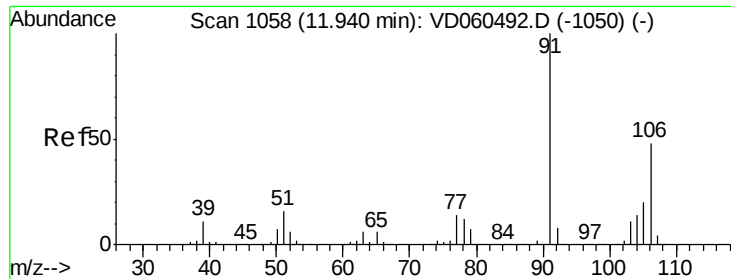
MMDadoda
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#68
m/p-Xylenes
Concen: 101.223 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 106 Resp: 2507058
Ion Ratio Lower Upper
106 100
91 196.7 160.5 240.7





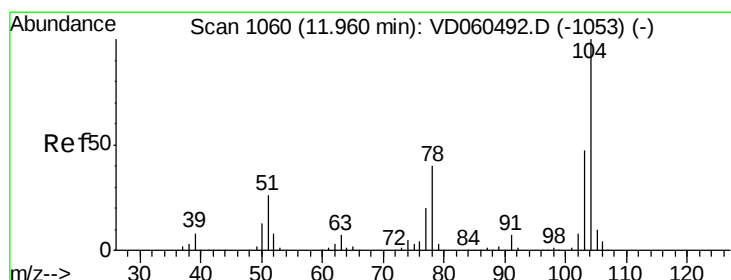
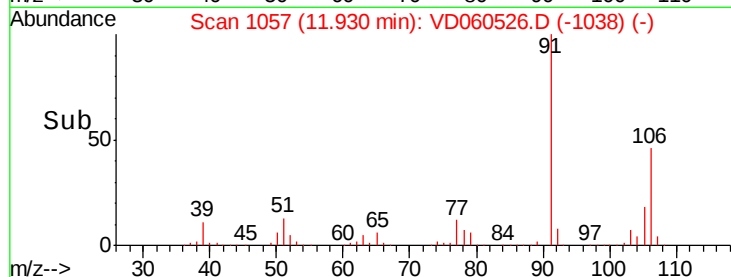
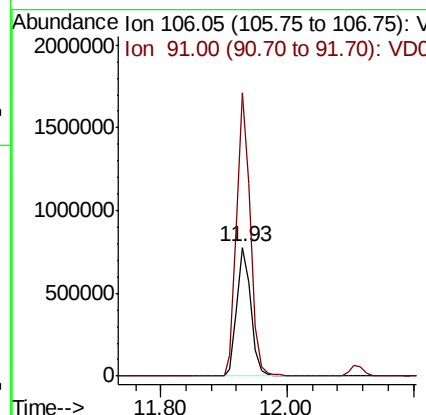
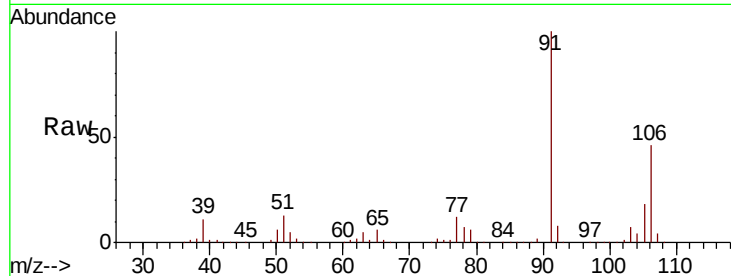
#69
o-Xylene
Concen: 49.689 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 1172842
Ion Ratio Lower Upper
106 100
91 219.3 103.4 310.1

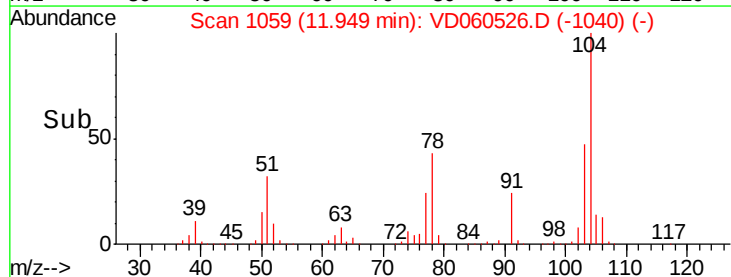
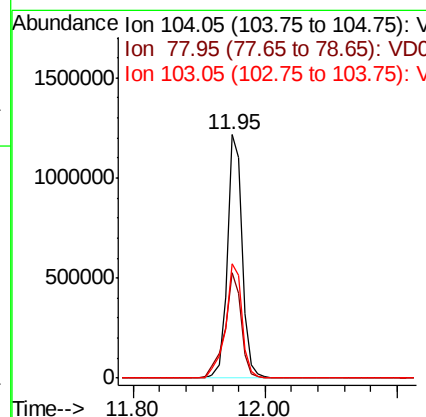
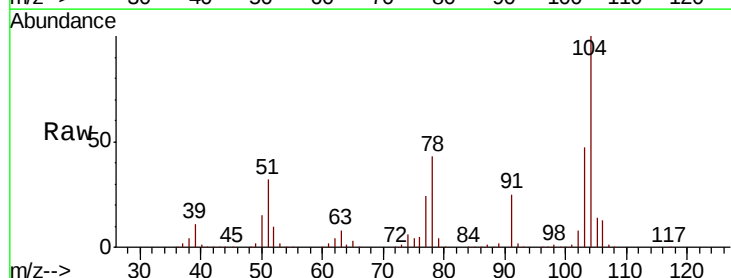
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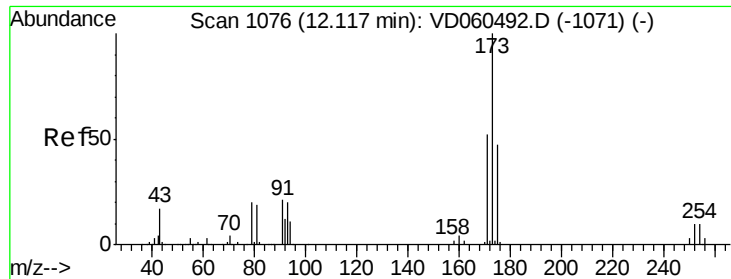
MMDadoda
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#70
Styrene
Concen: 50.583 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion:104 Resp: 1916449
Ion Ratio Lower Upper
104 100
78 43.0 32.1 48.1
103 47.2 37.2 55.8





#71

Bromoform

Concen: 51.738 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

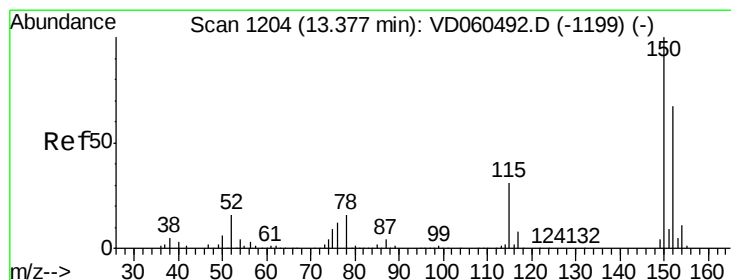
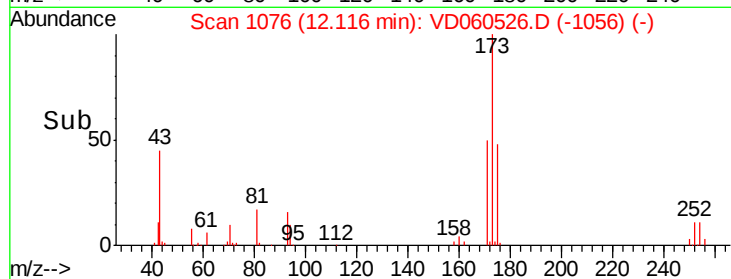
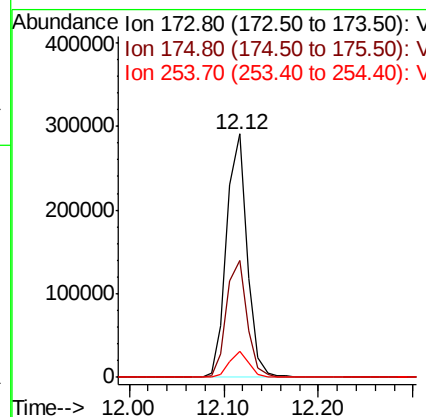
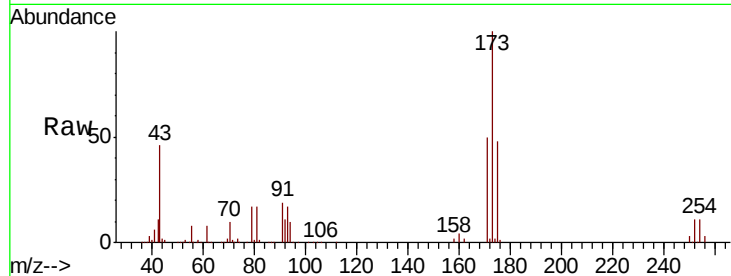
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	436674
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.5	70.6
254	10.9	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

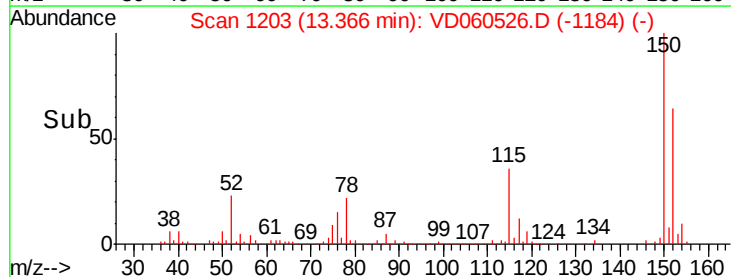
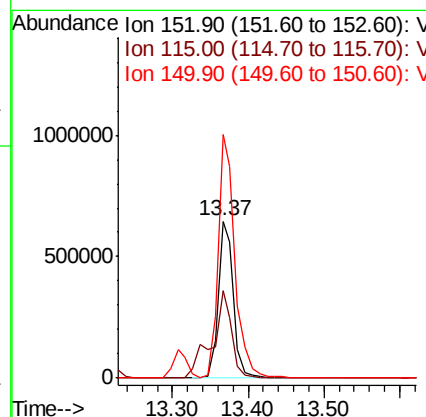
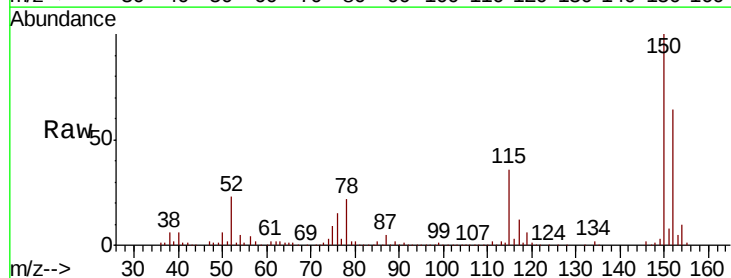
RT: 13.37 min Scan# 1203

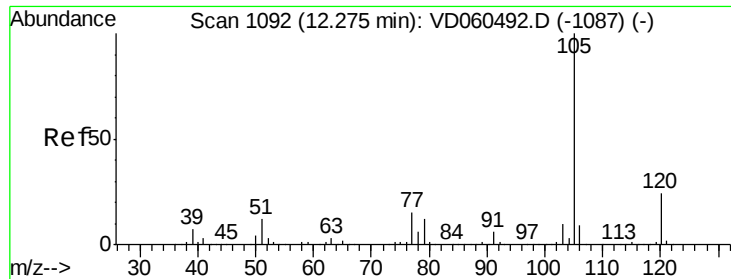
Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Tgt Ion:	152	Resp:	913547
Ion Ratio	Lower	Upper	
152	100		
115	56.1	24.6	74.0
150	155.4	0.0	309.0





#73

Isopropylbenzene

Concen: 51.404 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3323046

Ion Ratio Lower Upper

105 100

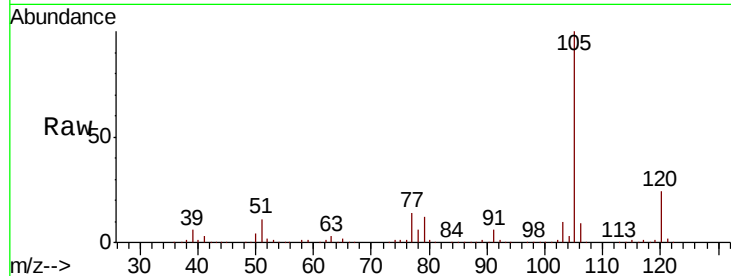
120 24.2 11.9 35.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

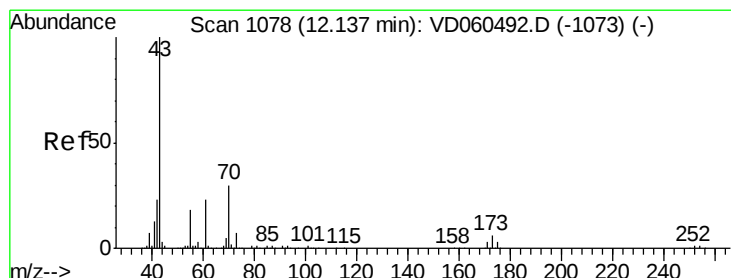
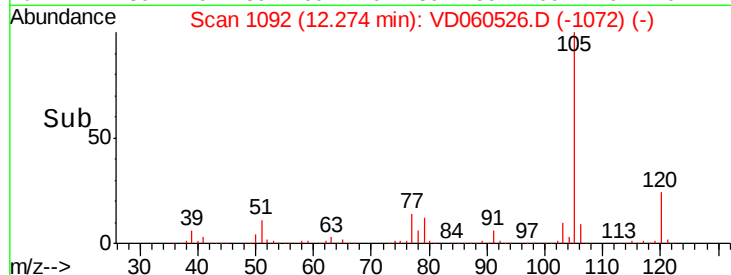
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 53.060 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Tgt Ion: 43 Resp: 828992

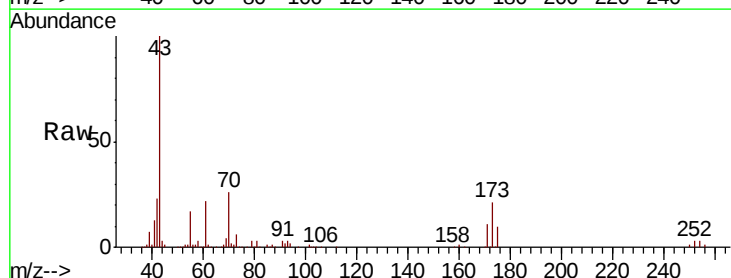
Ion Ratio Lower Upper

43 100

70 26.1 23.8 35.8

55 16.6 14.2 21.2

61 21.9 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

800000

600000

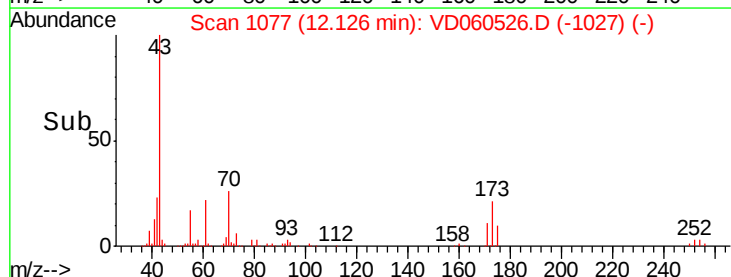
400000

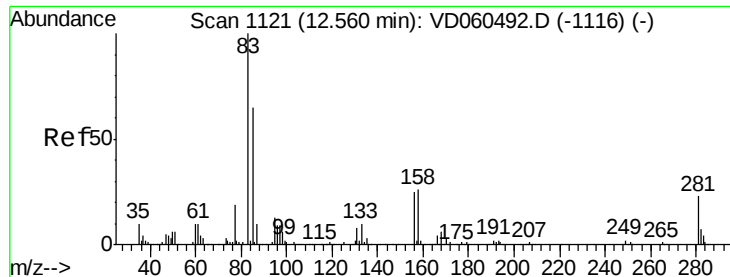
200000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.797 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

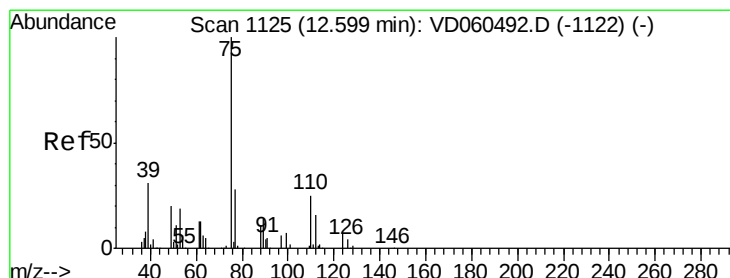
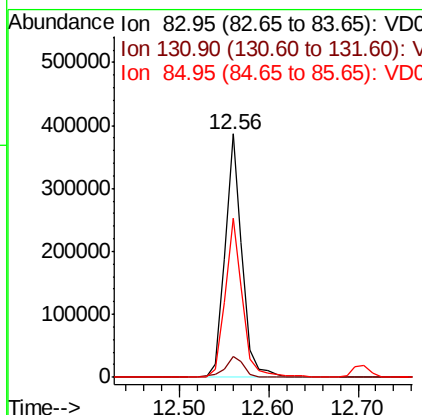
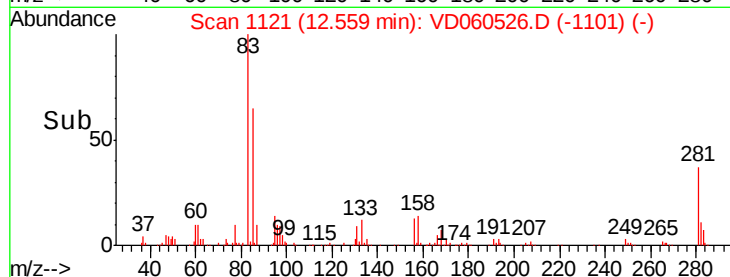
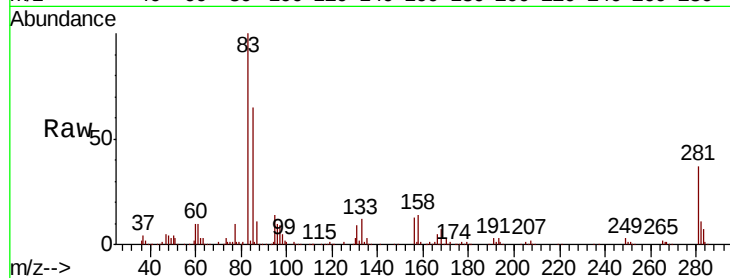
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	525717
Ion Ratio		Lower	Upper
83	100		
131	8.8	3.8	11.4
85	65.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 52.542 ug/l

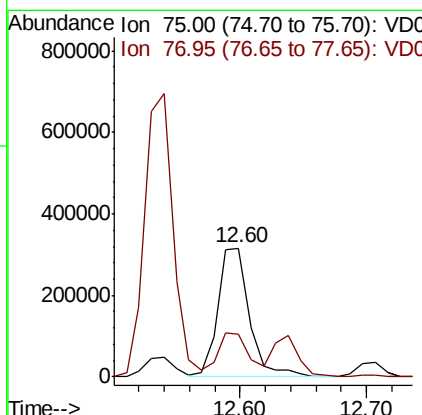
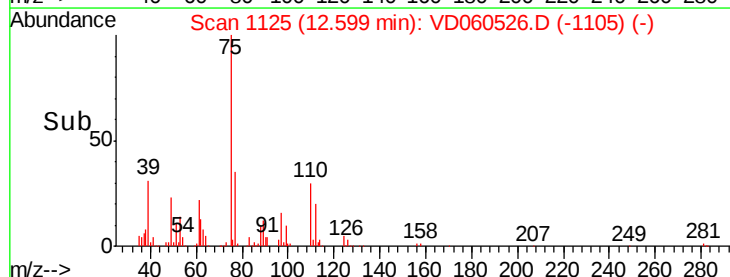
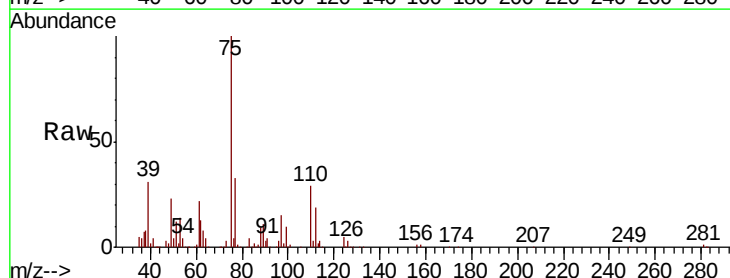
RT: 12.60 min Scan# 1125

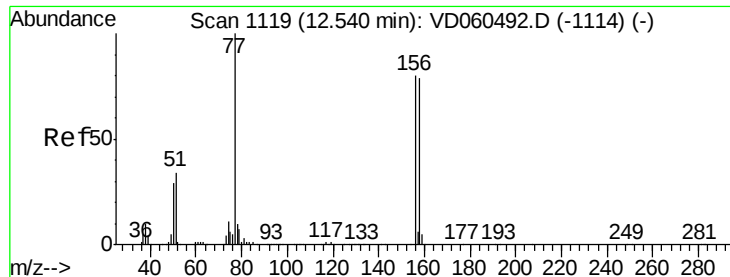
Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Tgt Ion:	75	Resp:	543865
Ion Ratio		Lower	Upper
75	100		
77	33.5	16.4	49.4





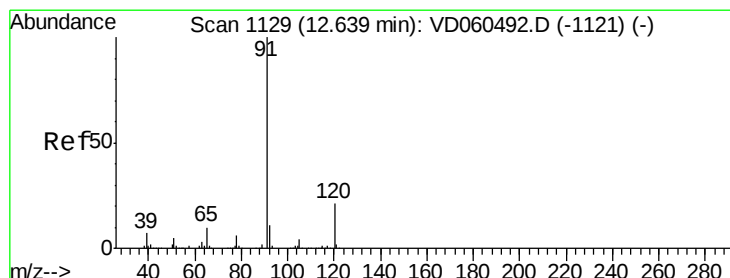
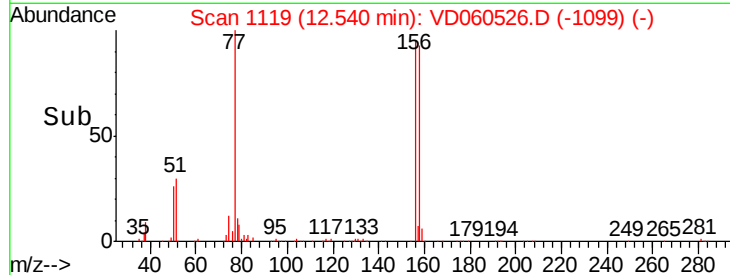
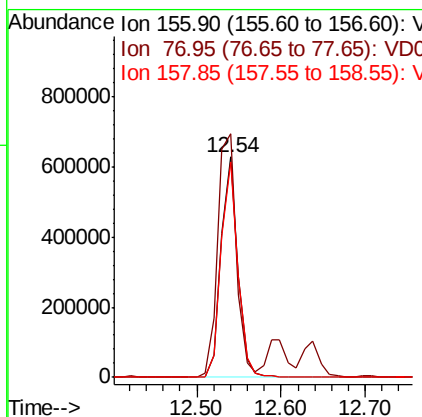
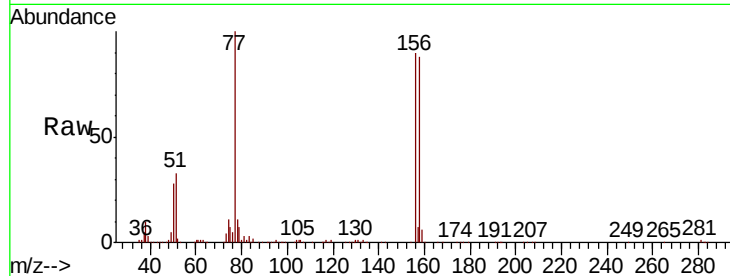
#77
Bromobenzene
Concen: 51.191 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	110.6	62.5	187.6
158	97.6	49.4	148.2

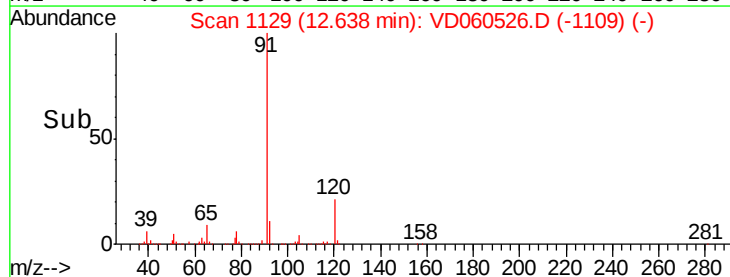
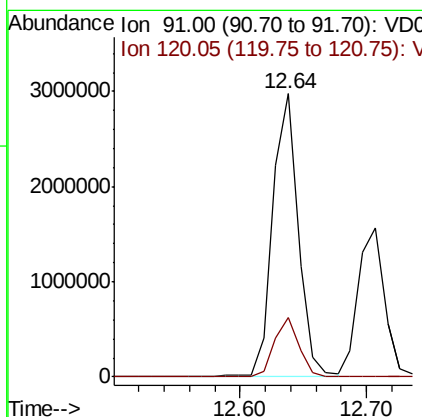
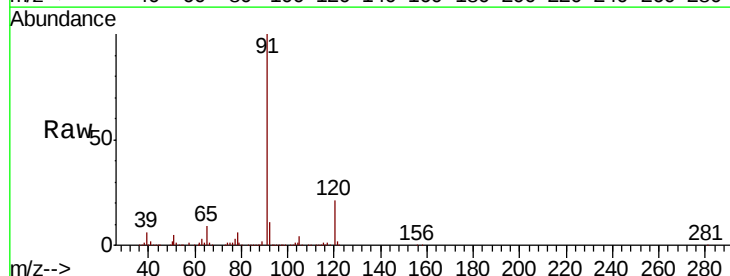
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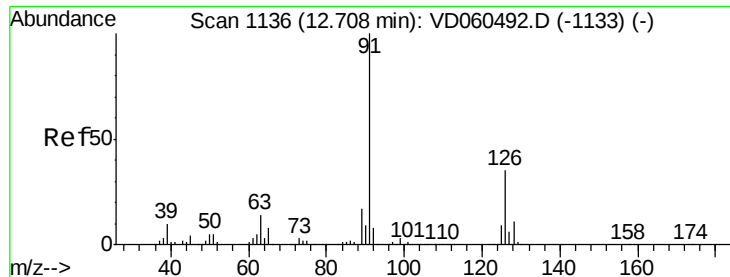
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#78
n-propylbenzene
Concen: 51.395 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.4	31.1





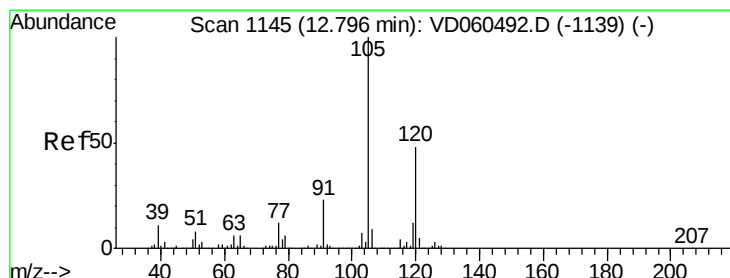
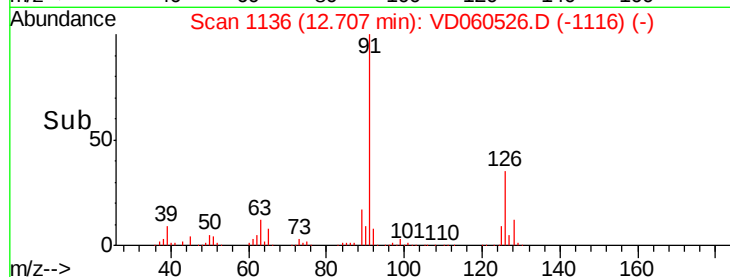
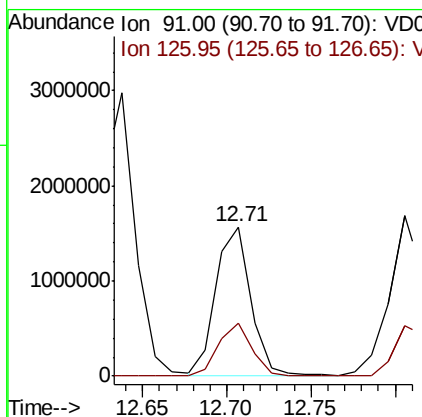
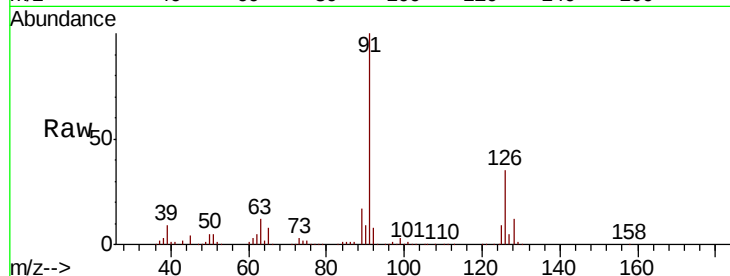
#79
2-Chlorotoluene
Concen: 51.016 ug/l
RT: 12.71 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2262203
Ion Ratio Lower Upper
91 100
126 35.4 17.3 52.0

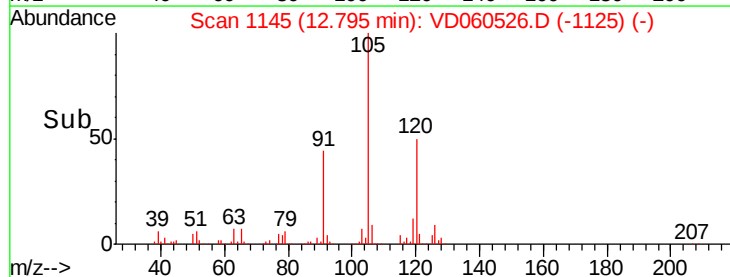
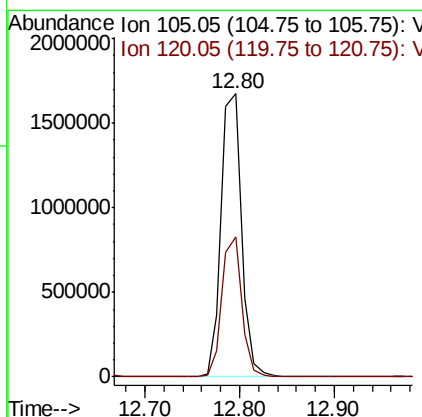
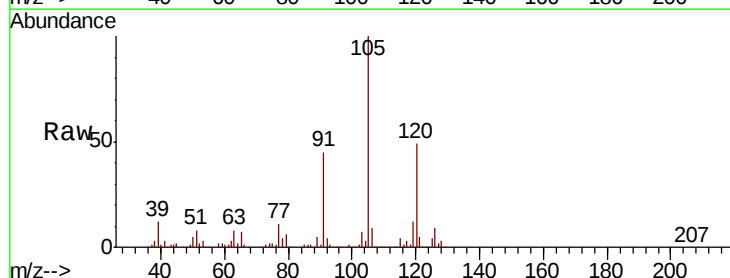
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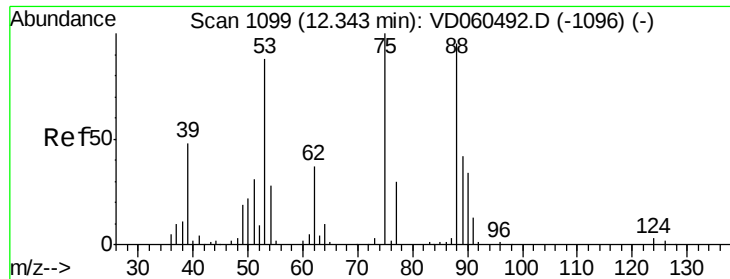
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#80
1,3,5-Trimethylbenzene
Concen: 50.584 ug/l
RT: 12.80 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 105 Resp: 2498719
Ion Ratio Lower Upper
105 100
120 49.5 24.2 72.6





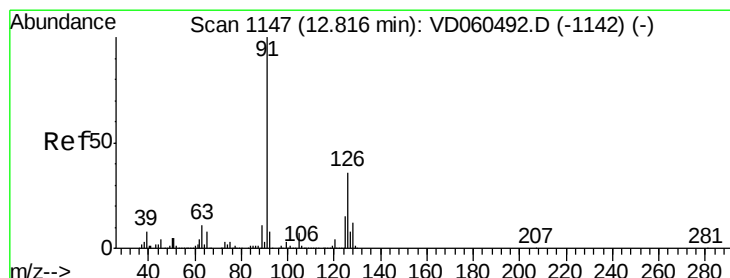
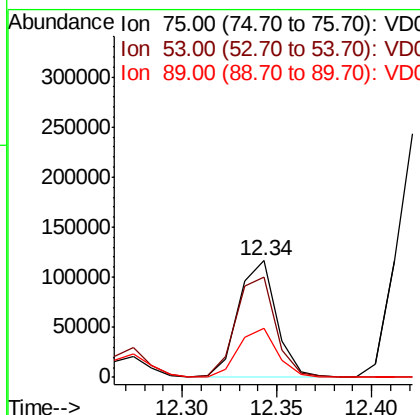
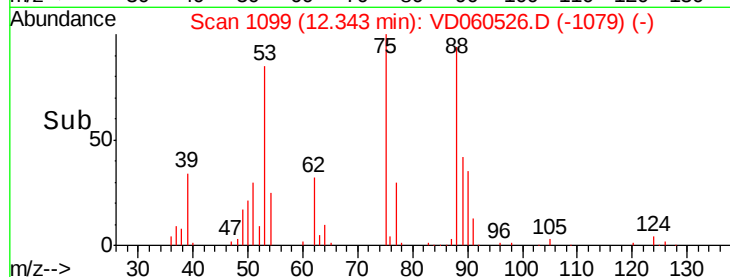
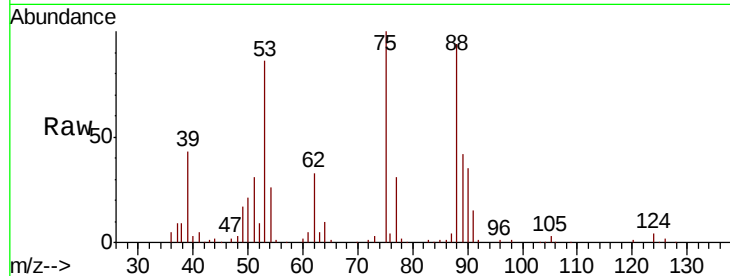
#81
trans-1,4-Dichloro-2-butene
Concen: 56.232 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.4	70.5	105.7
89	42.2	33.6	50.4

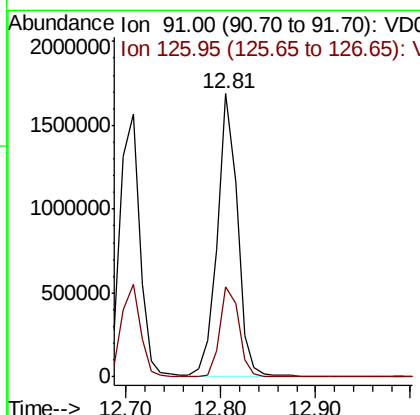
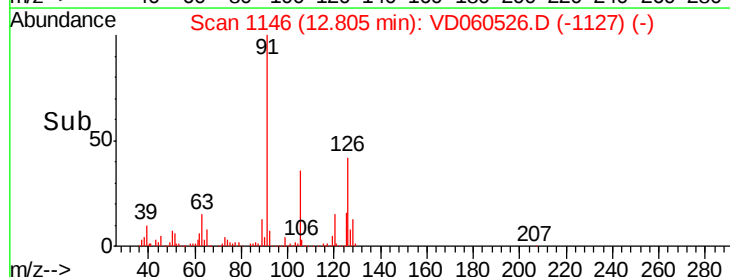
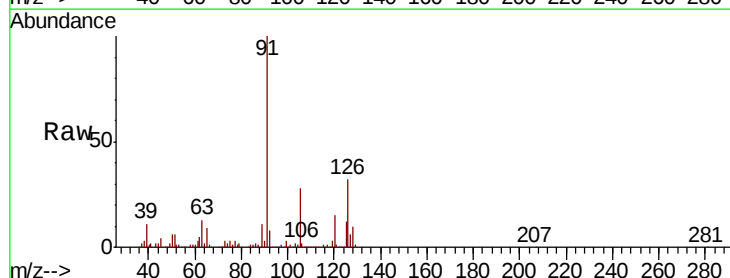
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#82
4-Chlorotoluene
Concen: 49.603 ug/l
RT: 12.81 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	17.8	53.4





#83

tert-Butylbenzene

Concen: 51.886 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2873753

Ion Ratio Lower Upper

119 100

91 73.9 33.1 99.2

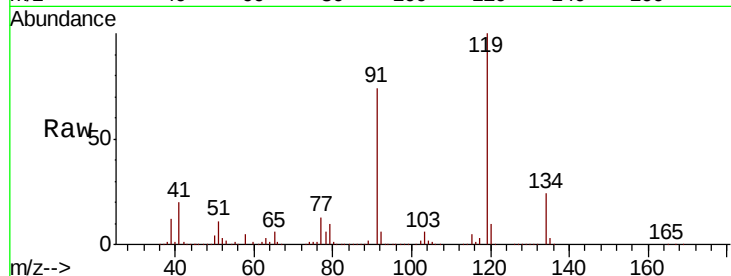
134 23.8 12.0 36.0

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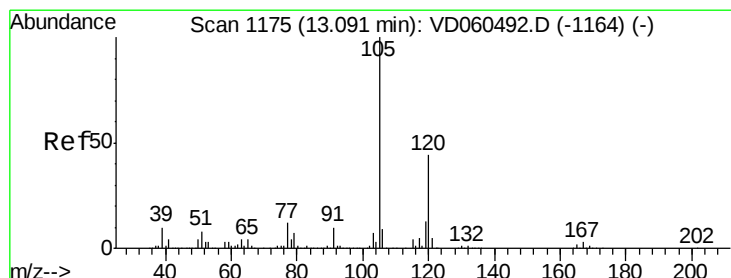
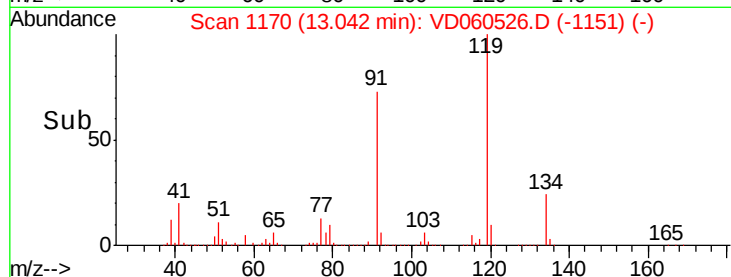
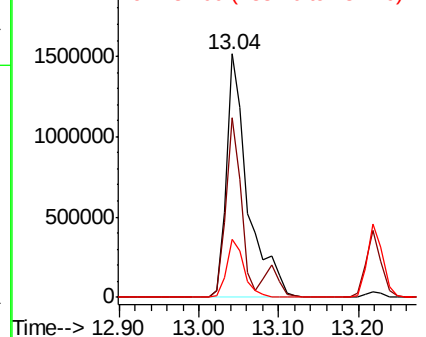
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.505 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060526.D

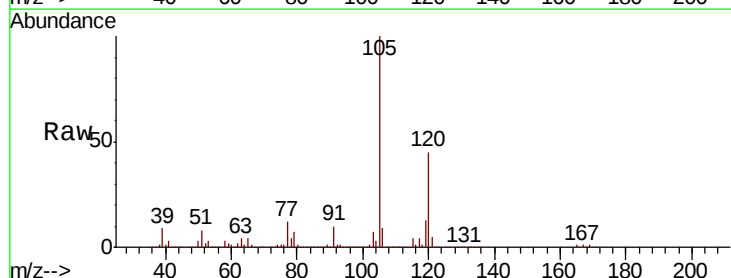
Acq: 11 Dec 2018 10:23

Tgt Ion:105 Resp: 2532092

Ion Ratio Lower Upper

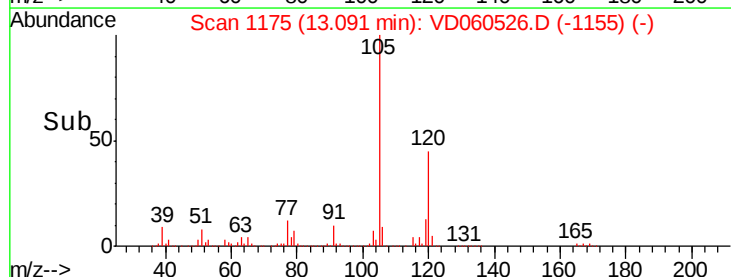
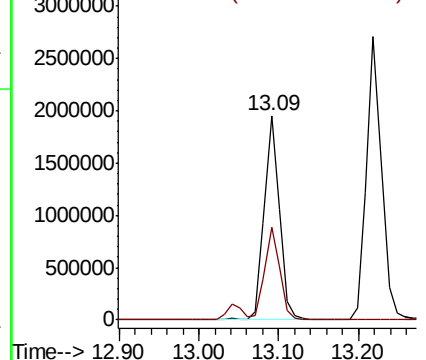
105 100

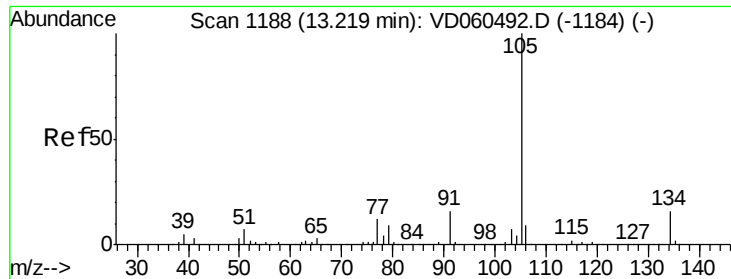
120 45.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 51.719 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3570263

Ion Ratio Lower Upper

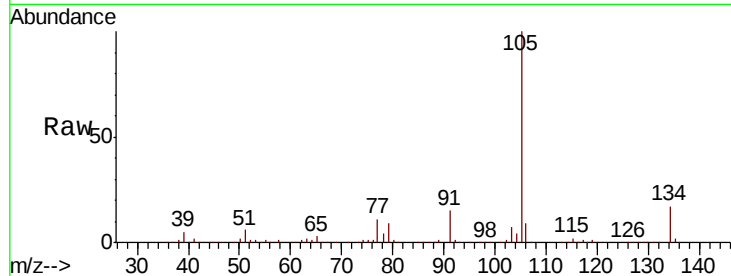
105 100

134 16.8 7.9 23.7

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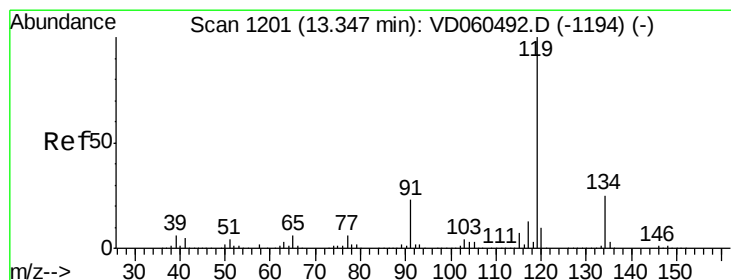
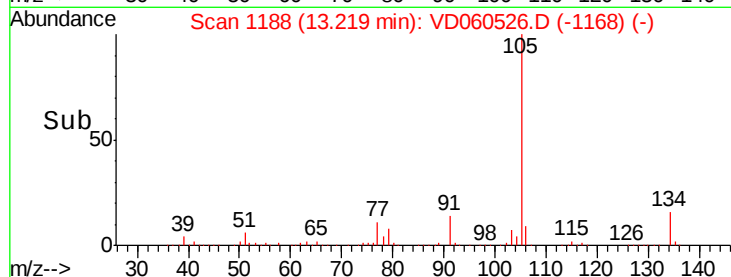
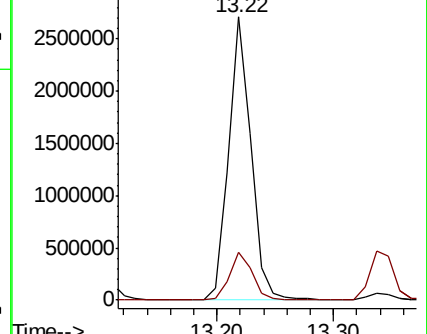
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.179 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

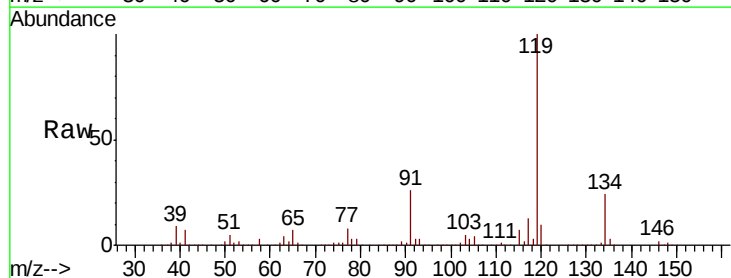
Tgt Ion:119 Resp: 2745894

Ion Ratio Lower Upper

119 100

134 24.0 12.5 37.5

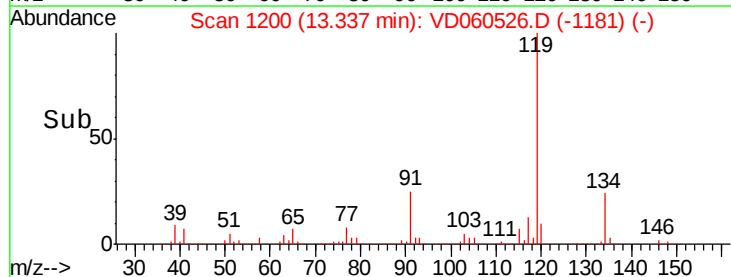
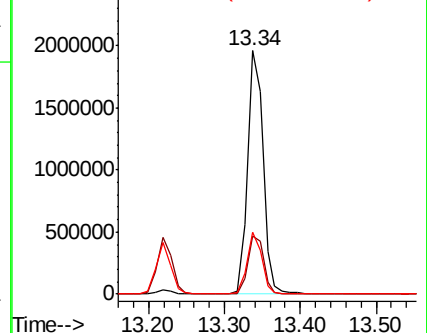
91 25.5 11.5 34.4

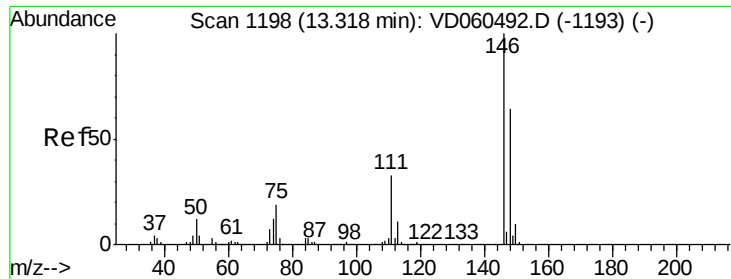


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





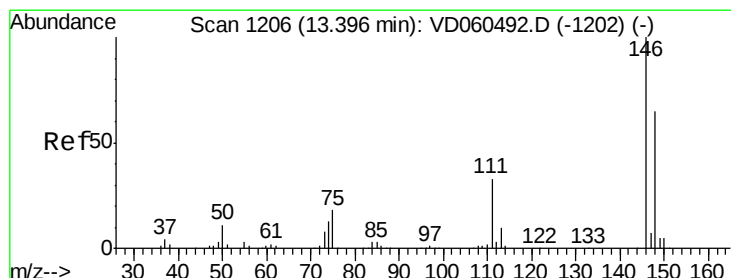
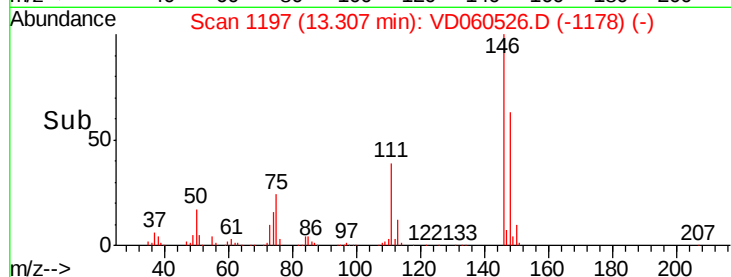
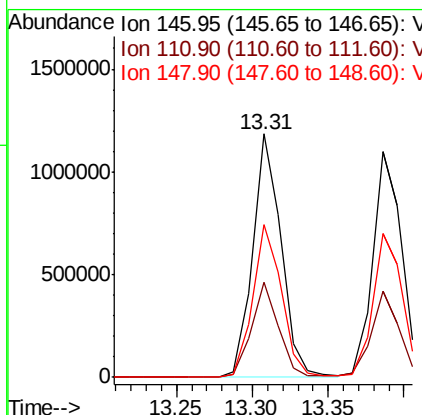
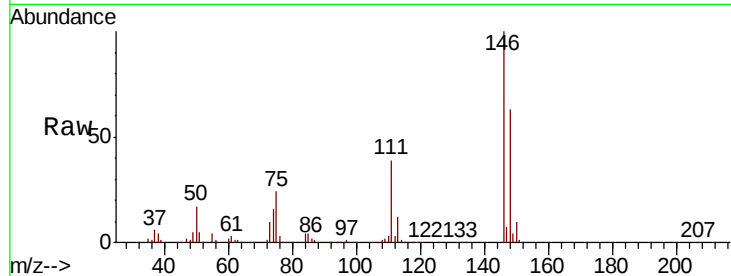
#87
 1,3-Dichlorobenzene
 Concen: 50.541 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	16.5	49.5
148	62.8	32.3	96.8

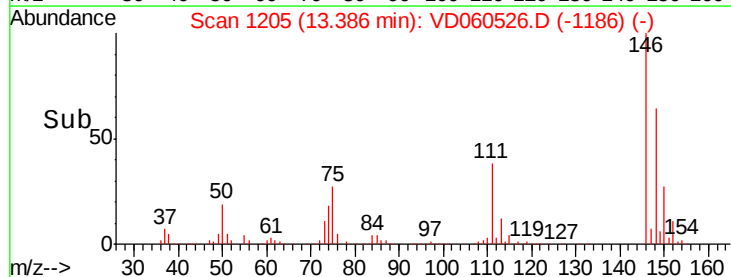
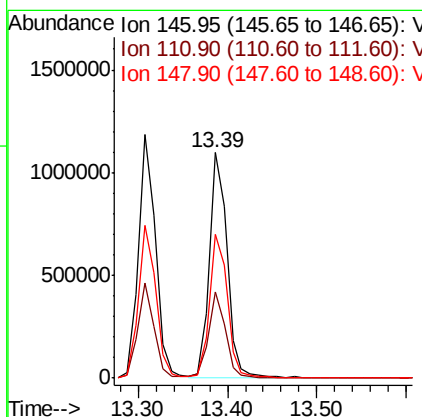
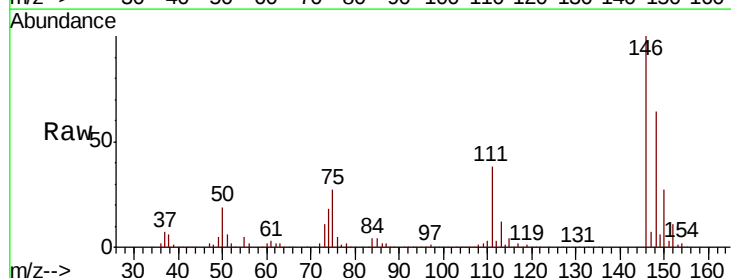
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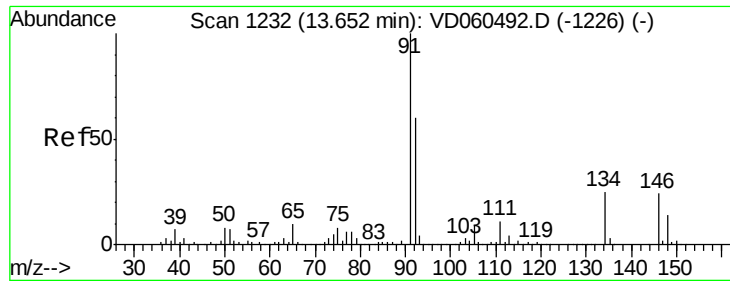
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#88
 1,4-Dichlorobenzene
 Concen: 49.757 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	16.4	49.1
148	63.6	32.6	98.0





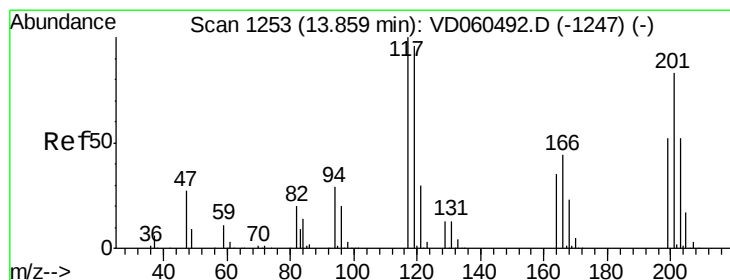
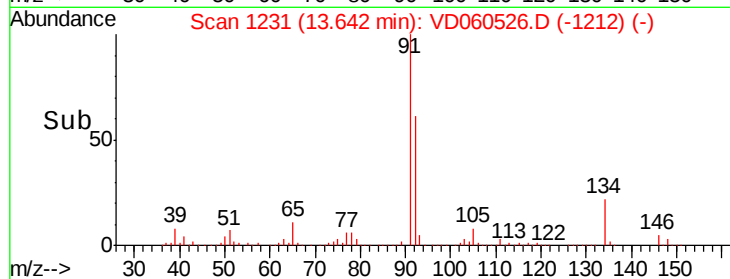
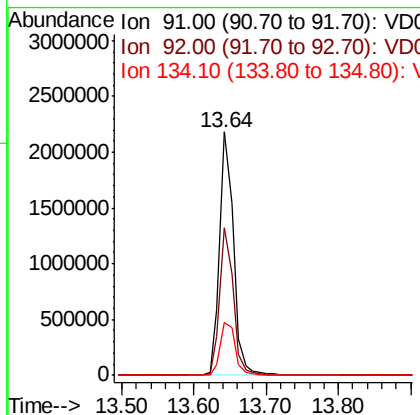
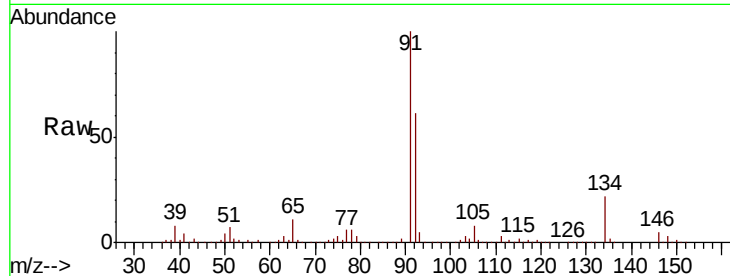
#89
n-Butylbenzene
Concen: 53.812 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2872199
Ion Ratio Lower Upper
91 100
92 60.6 30.0 90.1
134 21.8 12.5 37.5

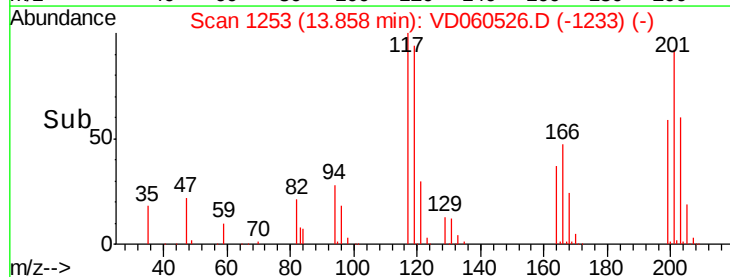
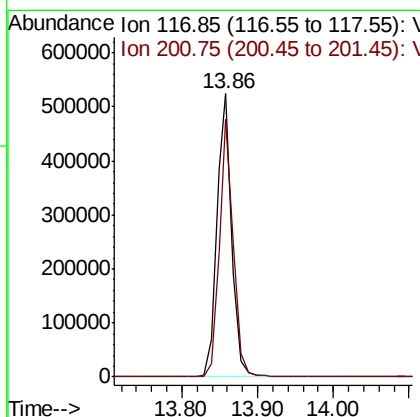
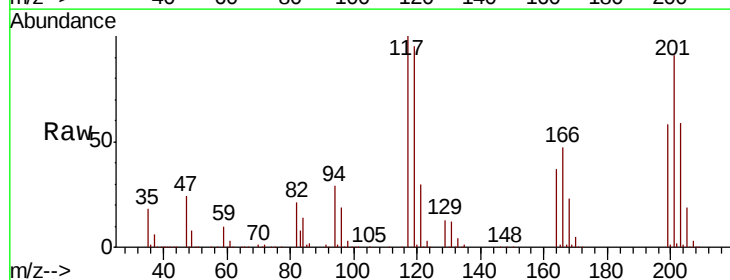
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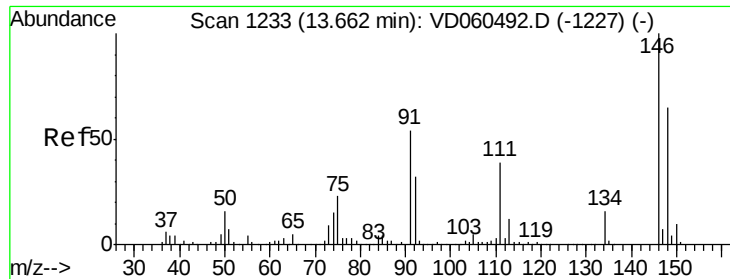
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#90
Hexachloroethane
Concen: 52.848 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060526.D
Acq: 11 Dec 2018 10:23

Tgt Ion: 117 Resp: 725089
Ion Ratio Lower Upper
117 100
201 91.1 41.3 123.9





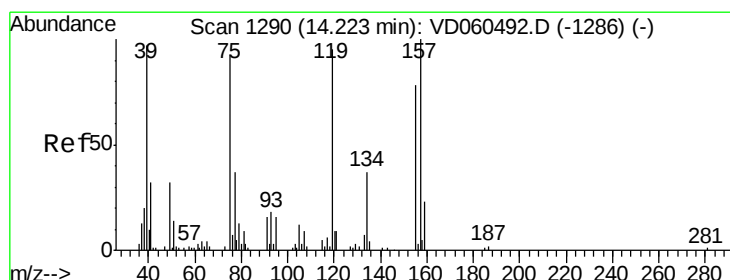
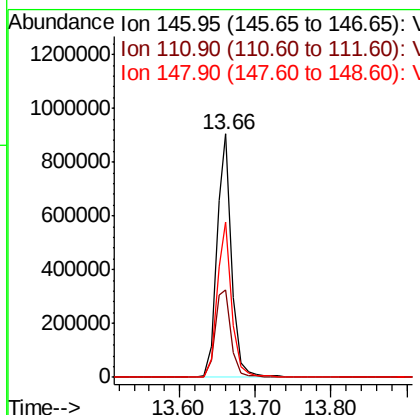
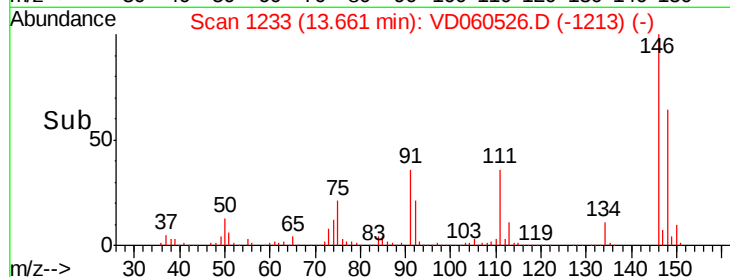
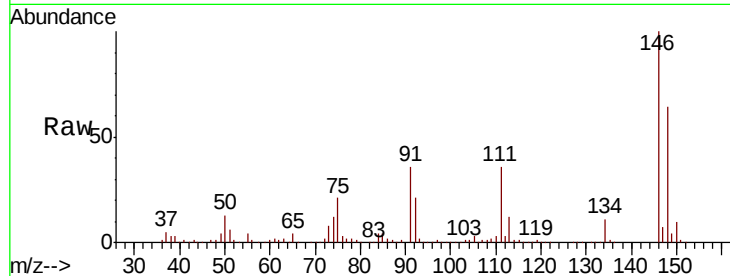
#91
 1,2-Dichlorobenzene
 Concen: 48.913 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1229829
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.3 57.8
 148 63.9 32.3 96.8

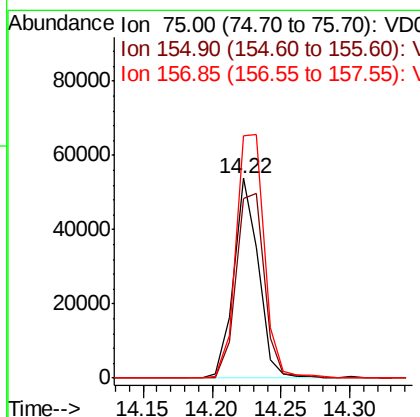
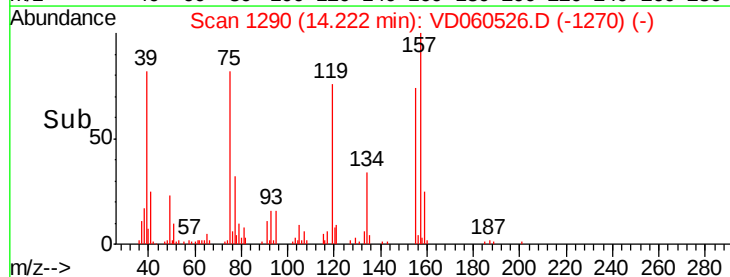
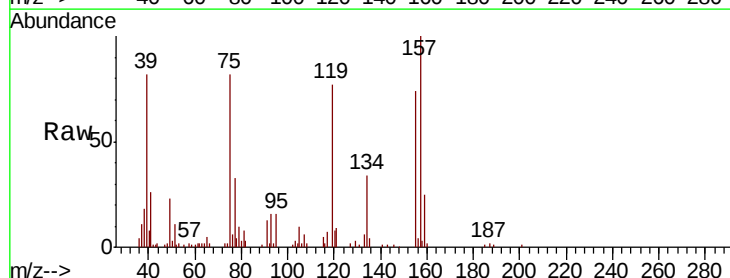
Manual Integrations
 APPROVED

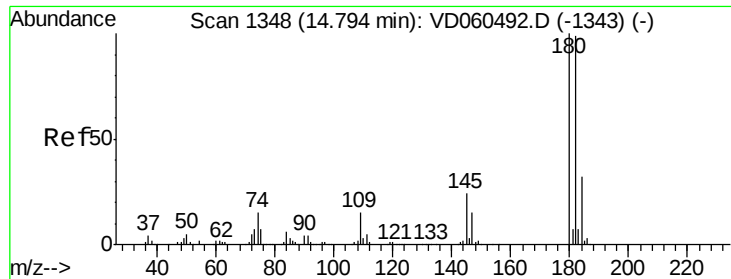
MMDadoda
 12/12/2018 1:29:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.508 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion: 75 Resp: 67099
 Ion Ratio Lower Upper
 75 100
 155 89.7 41.6 124.9
 157 121.6 53.6 160.8





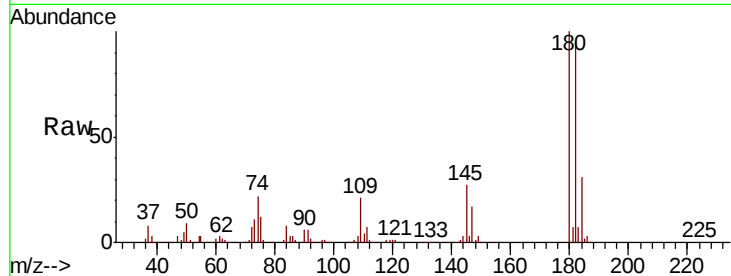
#93
 1,2,4-Trichlorobenzene
 Concen: 51.281 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	49.4	148.0
145	27.3	11.9	35.9

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:29:52 PM

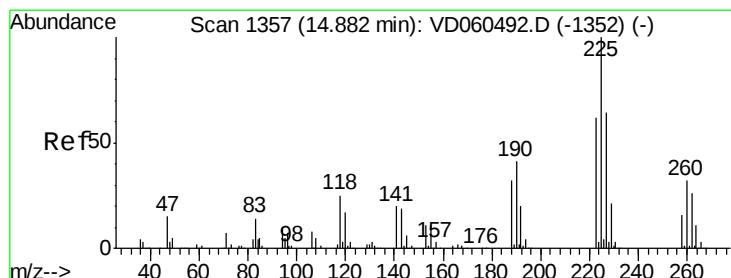
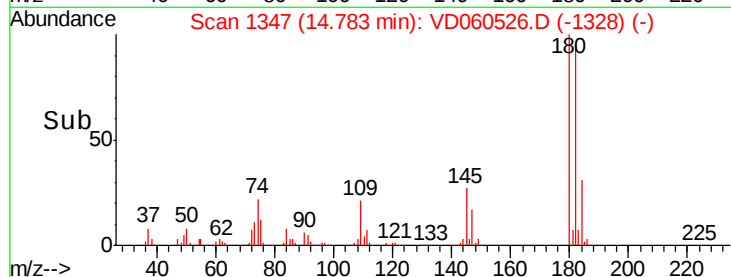
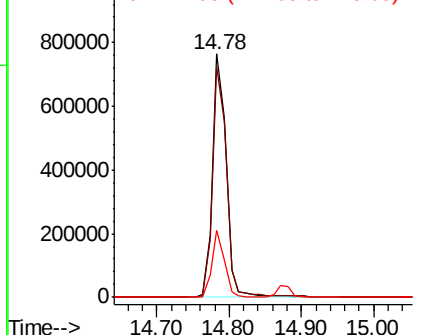


Abundance

Ion 179.85 (179.55 to 180.55): V

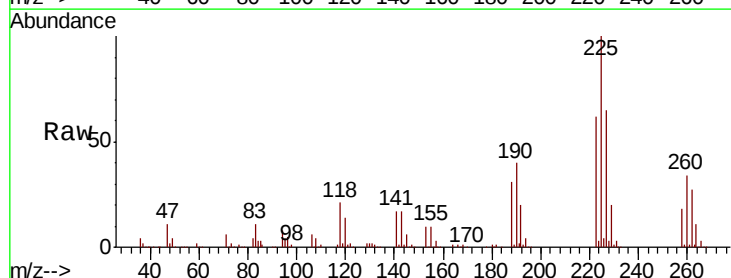
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 51.893 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060526.D
 Acq: 11 Dec 2018 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.2	93.6
227	64.6	32.0	96.0

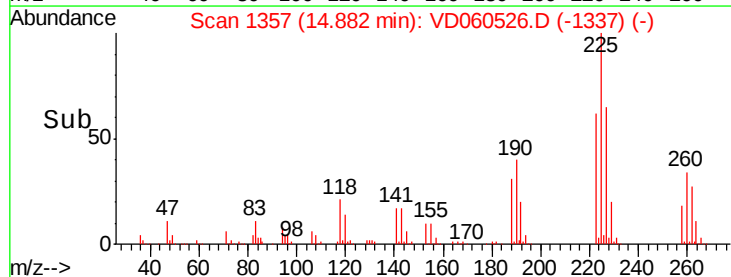
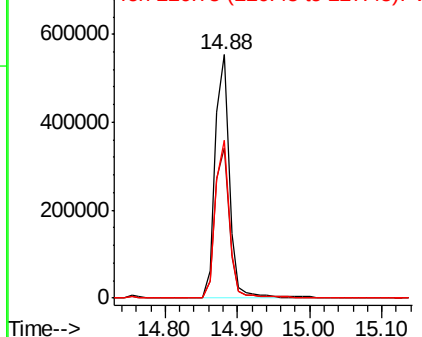


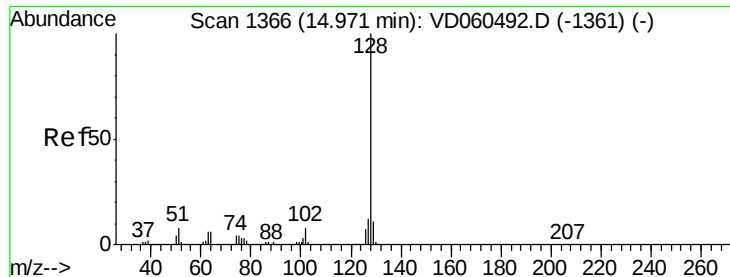
Abundance

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: 52.302 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1222977

Ion Ratio Lower Upper

128 100

127 12.0 9.8 14.8

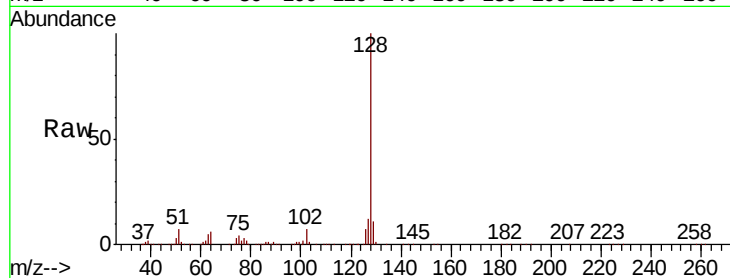
129 10.8 8.6 13.0

Manual Integrations

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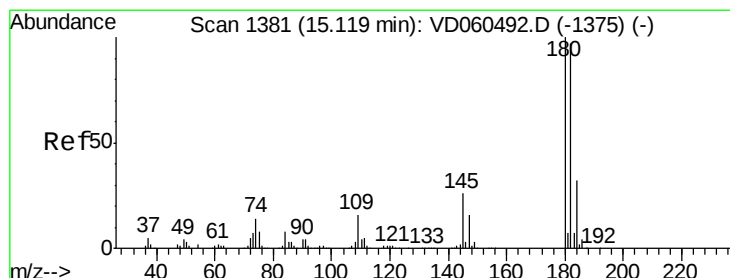
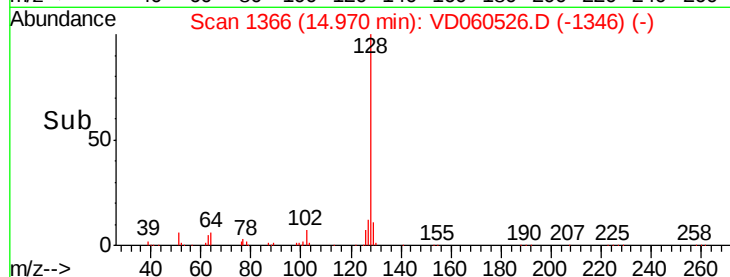
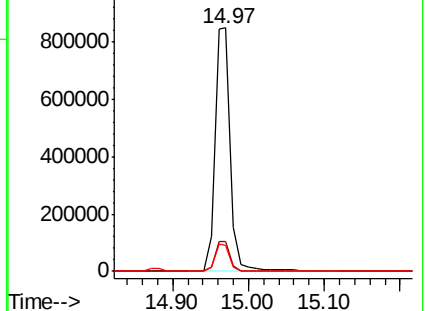
12/12/2018 1:29:52 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 51.917 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD060526.D

Acq: 11 Dec 2018 10:23

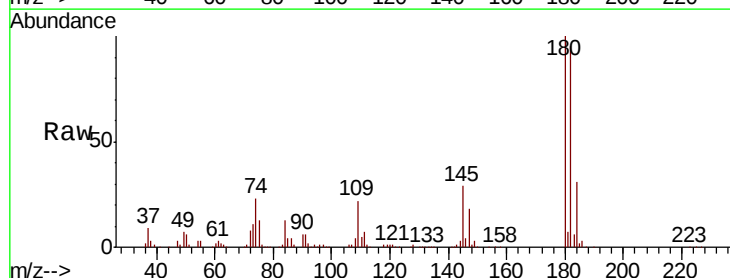
Tgt Ion:180 Resp: 813090

Ion Ratio Lower Upper

180 100

182 95.3 48.5 145.5

145 29.2 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

