

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122118\
 Data File : VD060676.D
 Acq On : 21 Dec 2018 11:19
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:57:37 AM

Quant Time: Dec 21 13:55:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1395853	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.48	114	1930219	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.31	117	1584461	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	849073	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	507405	52.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	6.36	113	737534	52.20	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	9.49	98	2243080	53.21	ug/l	0.04
Spiked Amount	50.000		Recovery	=	106.42%	
62) 4-Bromofluorobenzene	12.45	95	785819	53.23	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	991662	55.601	ug/l	98
3) Chloromethane	1.78	50	812311	49.488	ug/l	99
4) Vinyl Chloride	1.88	62	686560	52.683	ug/l	99
5) Bromomethane	2.17	94	183565	62.882	ug/l	97
6) Chloroethane	2.28	64	235627	60.585	ug/l	96
7) Trichlorofluoromethane	2.54	101	786348	54.249	ug/l	99
8) Diethyl Ether	2.85	74	129692	53.478	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	498453	53.013	ug/l	97
10) Methyl Iodide	3.27	142	546542	55.309	ug/l	98
11) Tert butyl alcohol	4.00	59	110400	273.849	ug/l #	91
12) 1,1-Dichloroethene	3.11	96	407428	52.737	ug/l	92
13) Acrolein	3.02	56	87900	213.962	ug/l	97
14) Allyl chloride	3.57	41	780265	55.041	ug/l	99
15) Acrylonitrile	4.12	53	616060	263.218	ug/l	96
16) Acetone	3.19	43	451676	268.121	ug/l	99
17) Carbon Disulfide	3.35	76	1284849	52.075	ug/l	100
18) Methyl Acetate	3.59	43	226454	54.241	ug/l	99
19) Methyl tert-butyl Ether	4.16	73	1062305	54.198	ug/l	100
20) Methylene Chloride	3.76	84	810162	46.309	ug/l	97
21) trans-1,2-Dichloroethene	4.14	96	824783	52.130	ug/l	98
22) Diisopropyl ether	4.89	45	2561854	53.226	ug/l	97
23) Vinyl Acetate	4.84	43	6216961	266.978	ug/l	100
24) 1,1-Dichloroethane	4.79	63	1299381	51.324	ug/l	99
25) 2-Butanone	5.66	43	890536	276.255	ug/l	98
26) 2,2-Dichloropropane	5.63	77	1082604	54.173	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	842361	52.447	ug/l	97
28) Bromochloromethane	5.96	49	573795	53.649	ug/l	95
29) Tetrahydrofuran	5.99	42	479884	262.596	ug/l	99
30) Chloroform	6.14	83	1370402	53.794	ug/l	100
31) Cyclohexane	6.40	56	1228135	50.408	ug/l	98
32) 1,1,1-Trichloroethane	6.33	97	1123712	53.317	ug/l	97
36) 1,1-Dichloropropene	6.56	75	1027831	51.712	ug/l	99
37) Ethyl Acetate	5.74	43	426197	51.271	ug/l	97
38) Carbon Tetrachloride	6.54	117	929660	53.018	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	1222422	53.926	ug/l	99
40) Benzene	6.83	78	2732574	53.224	ug/l	99
41) Methacrylonitrile	5.95	41	203142m	44.180	ug/l	
42) 1,2-Dichloroethane	6.93	62	676768	53.119	ug/l	99
43) Isopropyl Acetate	8.38	43	579734	54.346	ug/l	100
44) Trichloroethene	7.77	130	828936	54.551	ug/l	95
45) 1,2-Dichloropropane	8.14	63	659925	52.413	ug/l	99
46) Dibromomethane	8.25	93	379775	52.849	ug/l	99
47) Bromodichloromethane	8.52	83	925041	54.350	ug/l	99
48) Methyl methacrylate	8.27	41	345360	53.304	ug/l	99
49) 1,4-Dioxane	8.26	88	65937	1094.545	ug/l	95
51) 4-Methyl-2-Pentanone	9.38	43	1767434	270.430	ug/l	100
52) Toluene	9.58	92	1654758	51.414	ug/l	99
53) t-1,3-Dichloropropene	9.95	75	778809	54.848	ug/l	98
54) cis-1,3-Dichloropropene	9.14	75	1007442	54.205	ug/l	99
55) 1,1,2-Trichloroethane	10.21	97	453199	52.334	ug/l	98
56) Ethyl methacrylate	10.07	69	451277	56.105	ug/l	97
57) 1,3-Dichloropropane	10.41	76	722586	52.643	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	1152908	243.262	ug/l	97
59) 2-Hexanone	10.52	43	1287934	281.533	ug/l	98
60) Dibromochloromethane	10.67	129	603264	54.691	ug/l	96
61) 1,2-Dibromoethane	10.78	107	480092	53.449	ug/l	97
64) Tetrachloroethene	10.28	164	759188	52.865	ug/l	98
65) Chlorobenzene	11.33	112	1787658	51.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	604754	53.729	ug/l	98
67) Ethyl Benzene	11.45	91	3076047	51.308	ug/l	100
68) m/p-Xylenes	11.59	106	2304752	105.193	ug/l	99
69) o-Xylene	11.95	106	1075144	51.723	ug/l	90
70) Styrene	11.97	104	1764630	52.710	ug/l	96
71) Bromoform	12.14	173	412103	55.466	ug/l	96
73) Isopropylbenzene	12.30	105	3022089	49.991	ug/l	99
74) N-amyl acetate	12.15	43	731070	51.240	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	494209	50.436	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	492809	50.981	ug/l	100
77) Bromobenzene	12.56	156	806784	50.549	ug/l	90
78) n-propylbenzene	12.66	91	3748896	48.507	ug/l	99
79) 2-Chlorotoluene	12.72	91	2068948	49.981	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	2338814	50.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.37	75	143107	53.576	ug/l	93
82) 4-Chlorotoluene	12.83	91	2279713	48.589	ug/l	93
83) tert-Butylbenzene	13.07	119	2706751	50.950	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	2426436	50.468	ug/l	98
85) sec-Butylbenzene	13.24	105	3229297	49.843	ug/l	96
86) p-Isopropyltoluene	13.36	119	2616248	50.025	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	1473585	50.295	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	1465972	50.776	ug/l	98
89) n-Butylbenzene	13.67	91	2664292	49.852	ug/l	99
90) Hexachloroethane	13.87	117	650543	50.634	ug/l	87
91) 1,2-Dichlorobenzene	13.68	146	1175128	50.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	58074	50.448	ug/l #	51

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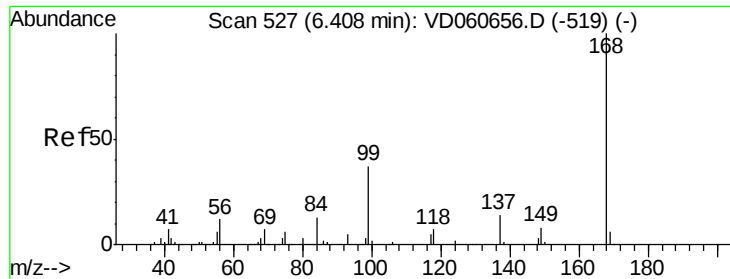
Manual Integrations
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12/26/2018 10:57:37 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	971476	51.946	ug/l	100
94) Hexachlorobutadiene	14.90	225	722834	52.291	ug/l	98
95) Naphthalene	14.99	128	1153130	51.879	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	789323	53.992	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1395853

Ion Ratio Lower Upper

168 100

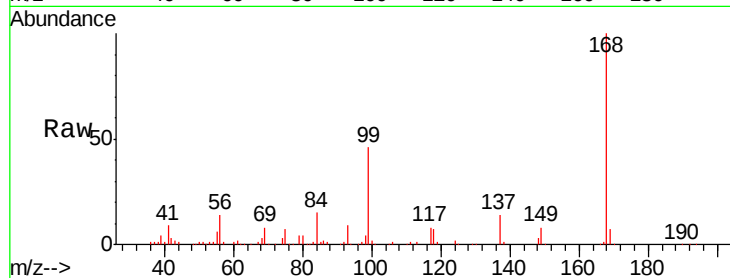
99 46.3 38.7 58.1

Manual Integrations

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12/26/2018 10:57:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

500000

400000

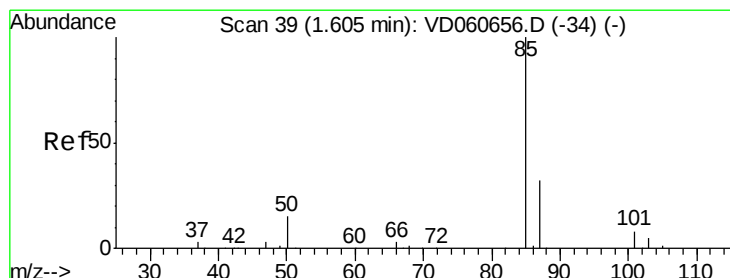
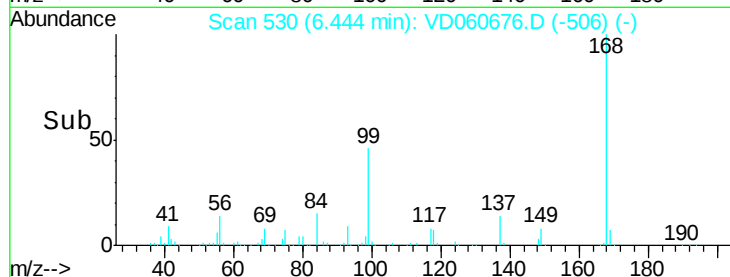
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.601 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.01 min

Lab File: VD060676.D

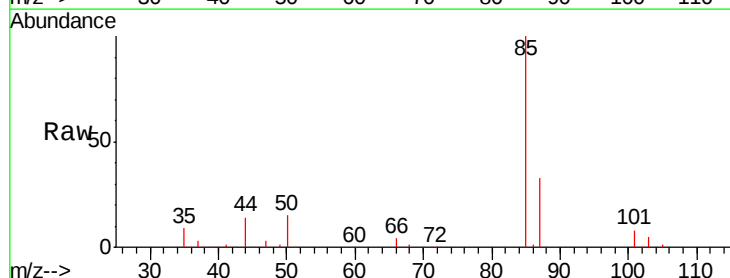
Acq: 21 Dec 2018 11:19

Tgt Ion: 85 Resp: 991662

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

400000

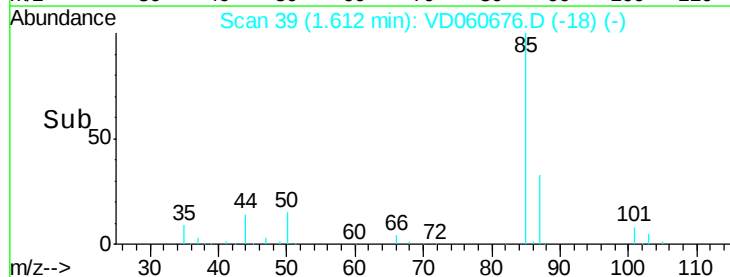
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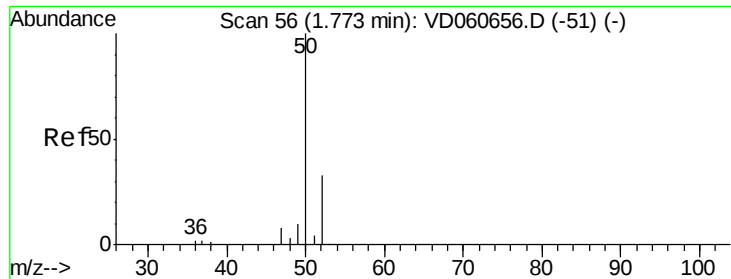
200000

100000

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Time-->





#3

Chloromethane

Concen: 49.488 ug/l

RT: 1.78 min Scan# 56

Delta R.T. 0.01 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 812311

Ion Ratio Lower Upper

50 100

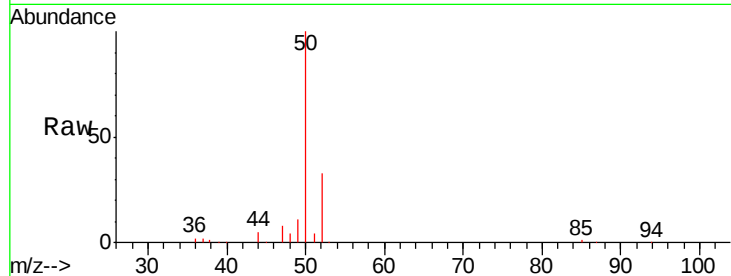
52 32.9 26.6 39.8

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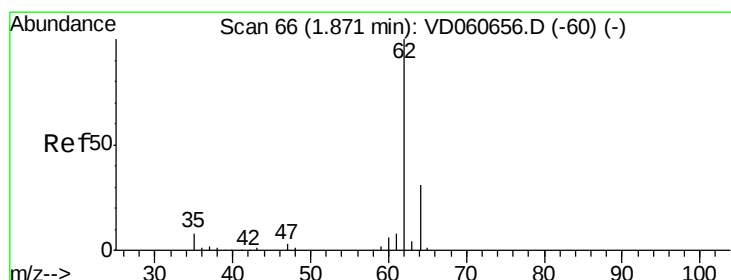
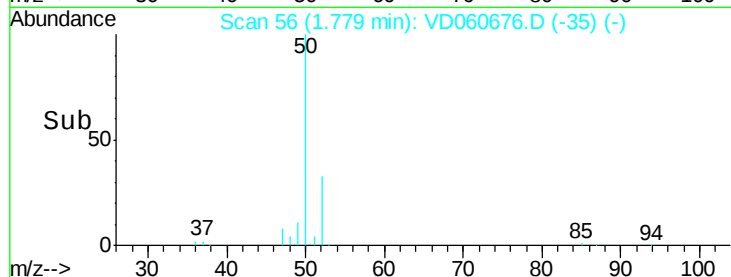
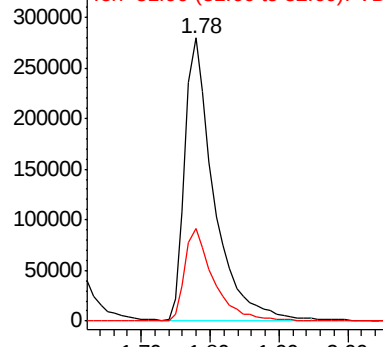
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.683 ug/l

RT: 1.88 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060676.D

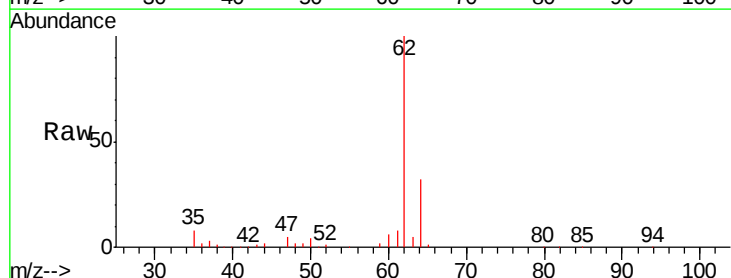
Acq: 21 Dec 2018 11:19

Tgt Ion: 62 Resp: 686560

Ion Ratio Lower Upper

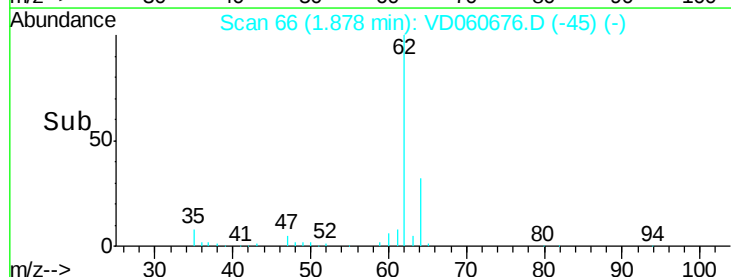
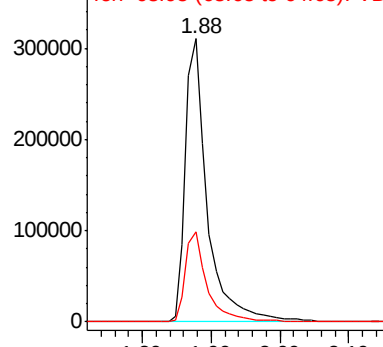
62 100

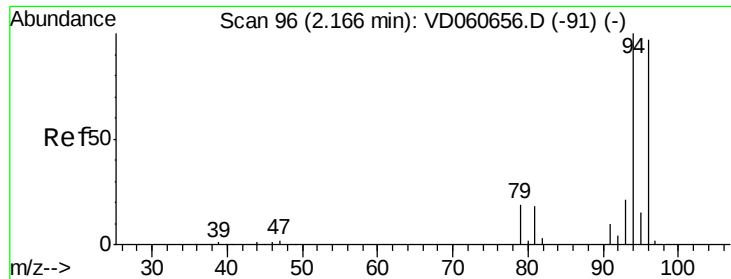
64 32.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





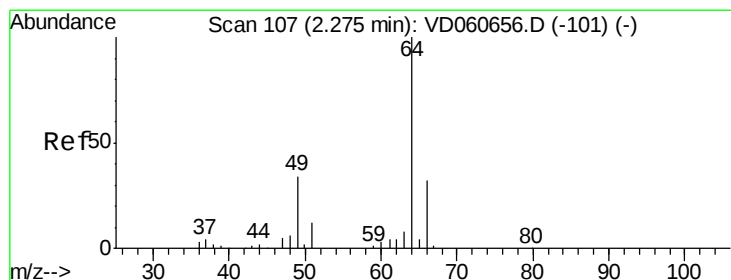
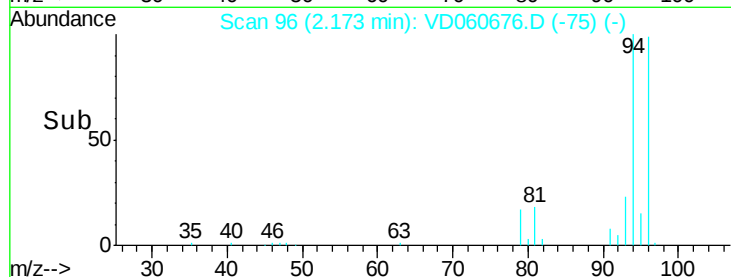
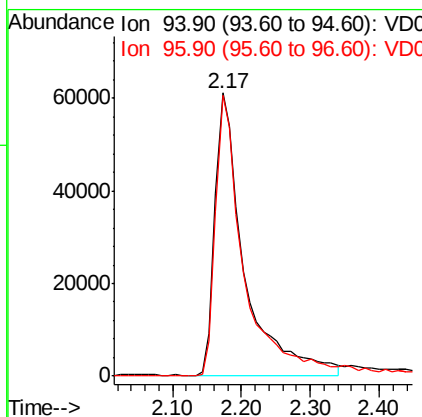
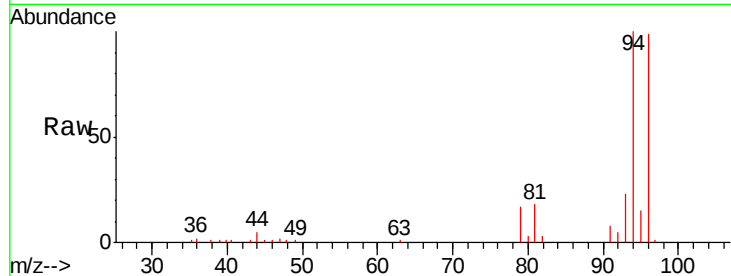
#5
Bromomethane
Concen: 62.882 ug/l
RT: 2.17 min Scan# 96
Delta R.T. 0.01 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 183565
Ion Ratio Lower Upper
94 100
96 99.1 77.2 115.8

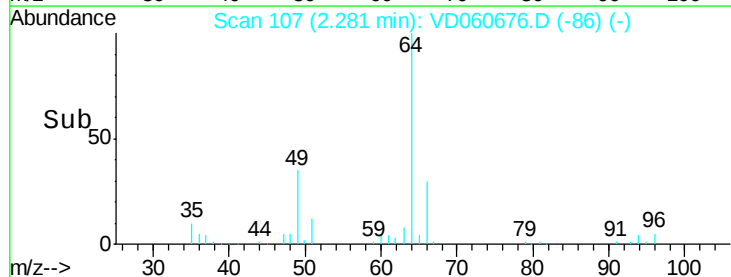
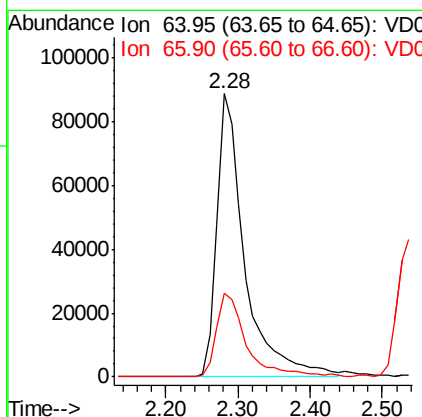
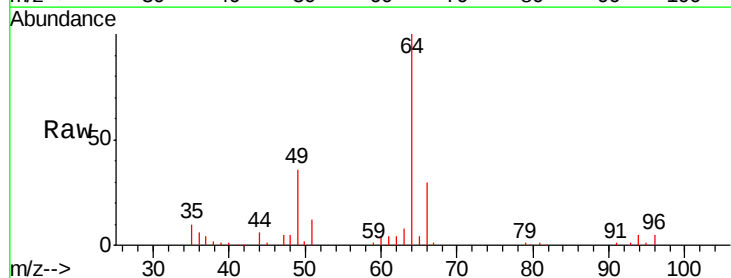
Manual Integrations
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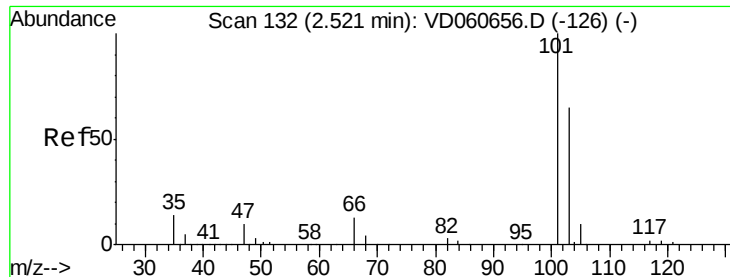
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#6
Chloroethane
Concen: 60.585 ug/l
RT: 2.28 min Scan# 107
Delta R.T. 0.01 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 64 Resp: 235627
Ion Ratio Lower Upper
64 100
66 29.6 25.6 38.4





#7

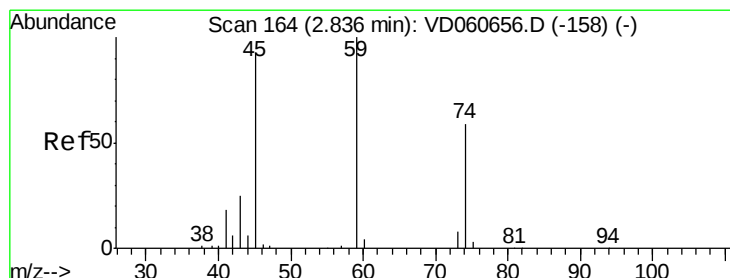
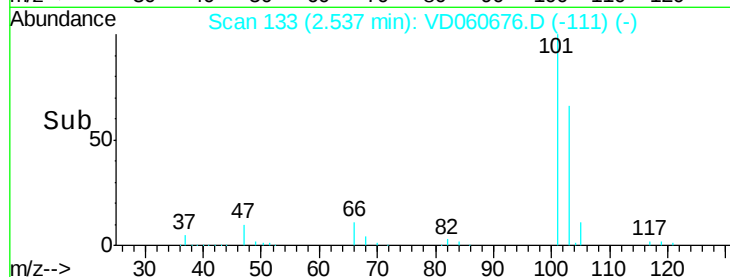
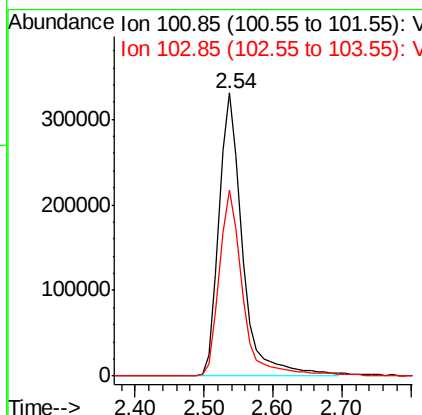
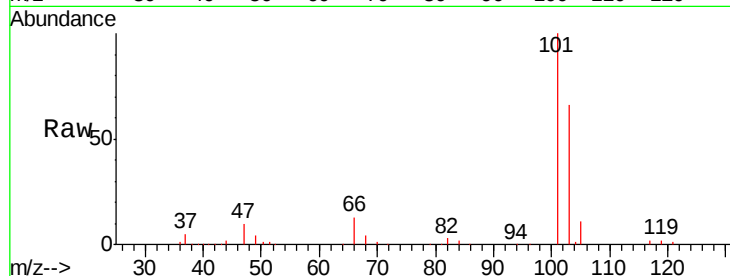
Trichlorofluoromethane
 Concen: 54.249 ug/l
 RT: 2.54 min Scan# 133
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 786348
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.9 77.9

Manual Integrations
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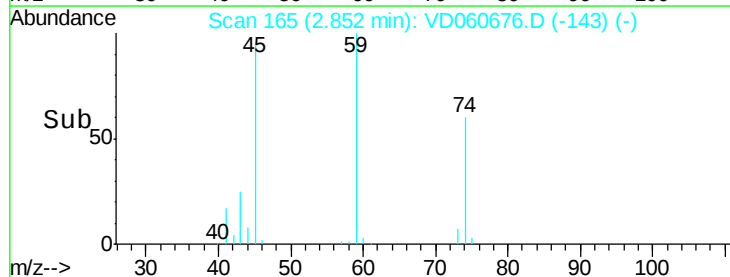
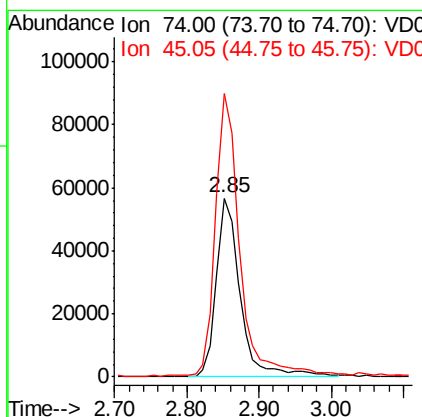
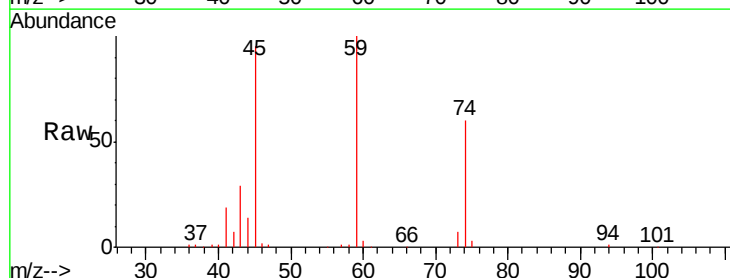
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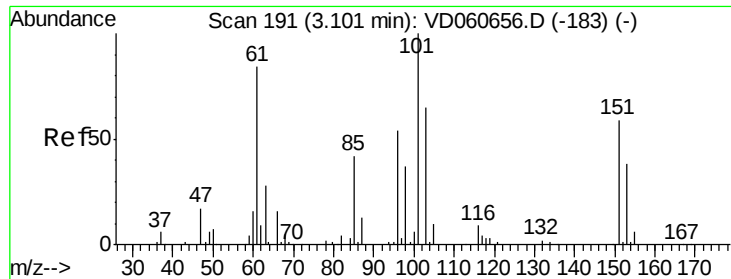


#8

Diethyl Ether
 Concen: 53.478 ug/l
 RT: 2.85 min Scan# 165
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 74 Resp: 129692
 Ion Ratio Lower Upper
 74 100
 45 158.6 79.3 238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.013 ug/l

RT: 3.13 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD060676.D

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Instrument :

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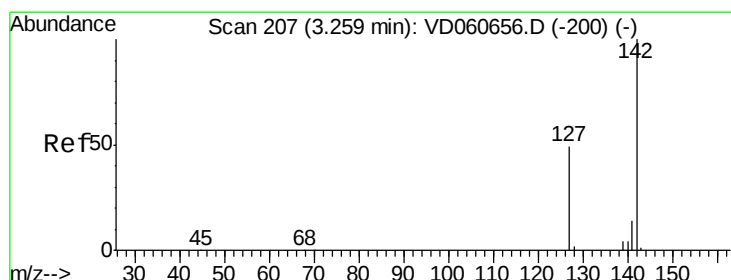
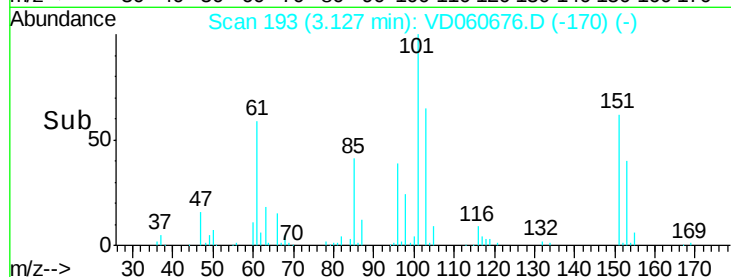
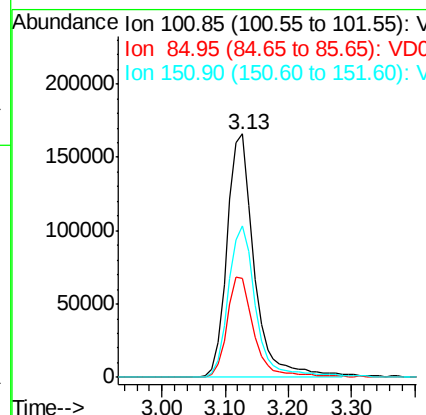
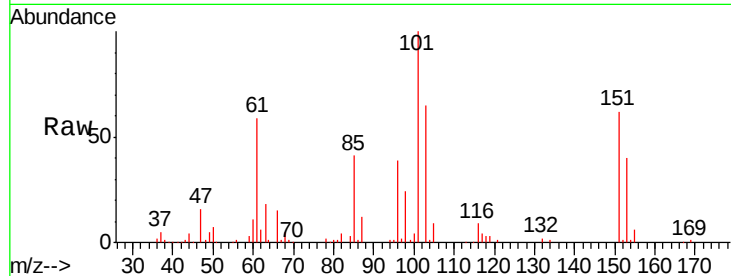
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	498453
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.0
151	62.4	47.5	71.3

Manual Integrations
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#10

Methyl Iodide

Concen: 55.309 ug/l

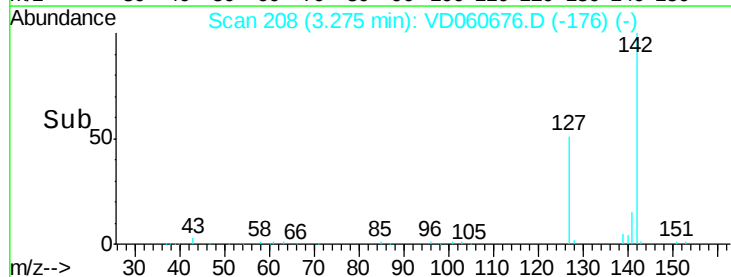
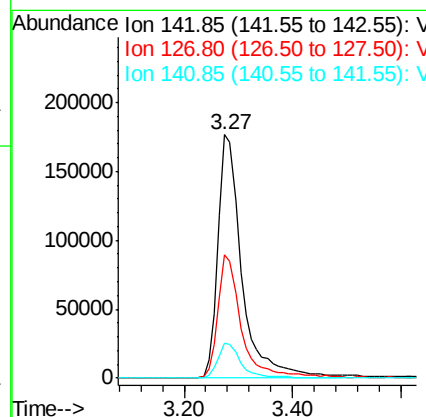
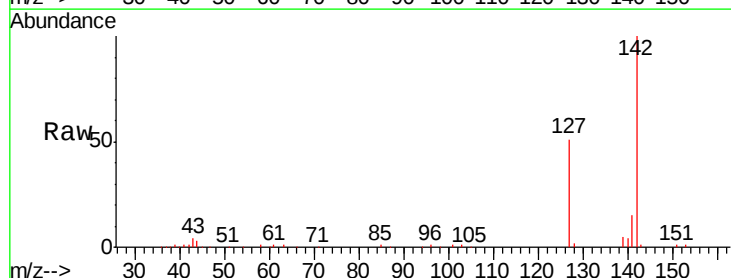
RT: 3.27 min Scan# 208

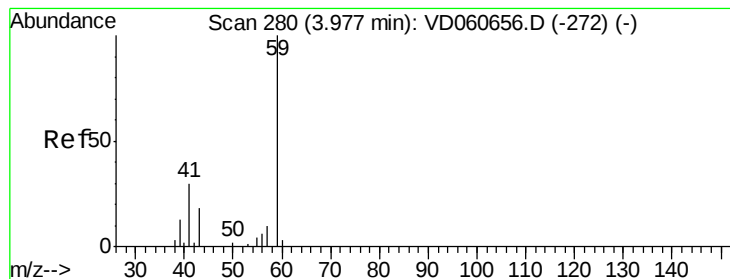
Delta R.T. 0.02 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Tgt Ion:	142	Resp:	546542
Ion Ratio	Lower	Upper	
142	100		
127	50.7	39.5	59.3
141	14.6	11.3	16.9





#11

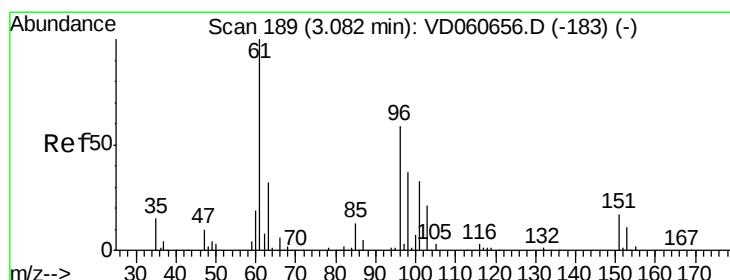
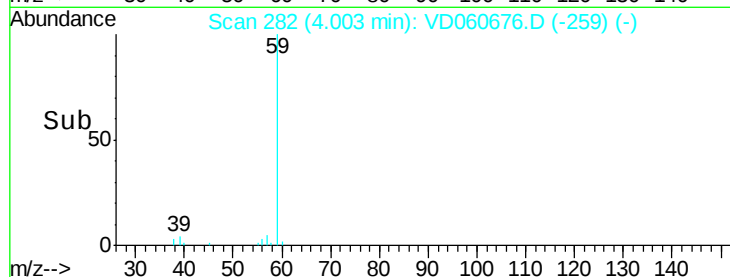
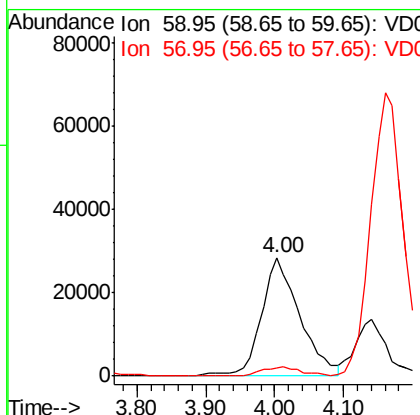
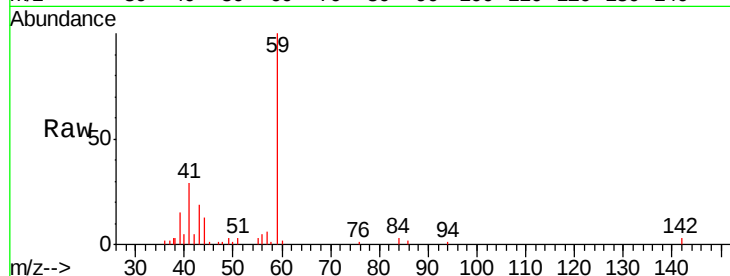
Tert butyl alcohol
Concen: 273.849 ug/l
RT: 4.00 min Scan# 282
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 110400
Ion Ratio Lower Upper
59 100
57 6.4 7.8 11.6#

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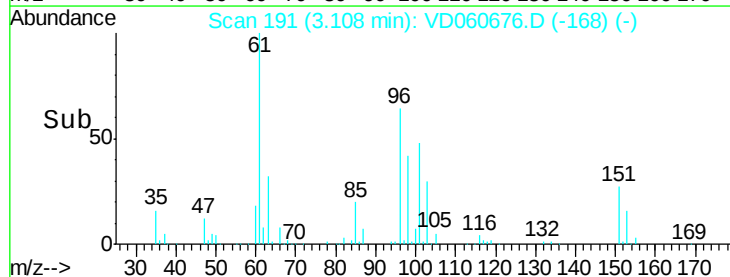
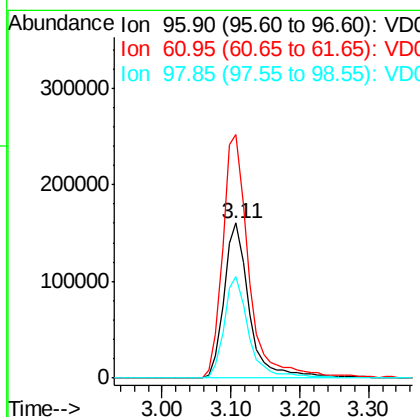
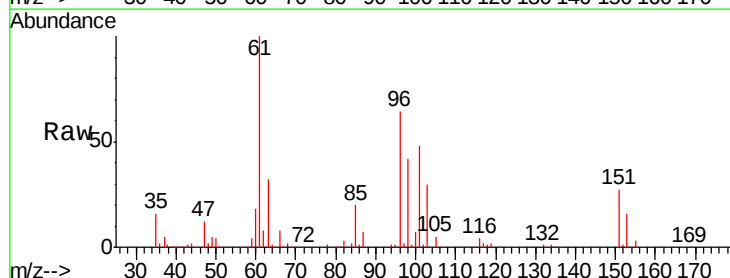
MMDadoda
12/26/2018 10:57:37 AM

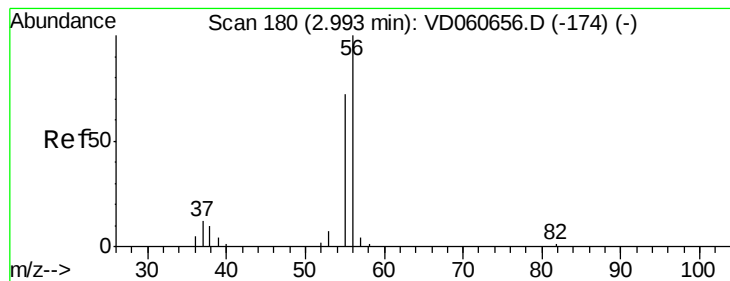


#12

1,1-Dichloroethene
Concen: 52.737 ug/l
RT: 3.11 min Scan# 191
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 96 Resp: 407428
Ion Ratio Lower Upper
96 100
61 157.2 136.2 204.4
98 65.7 50.7 76.1





#13

Acrolein

Concen: 213.962 ug/l

RT: 3.02 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 87900

Ion Ratio Lower Upper

56 100

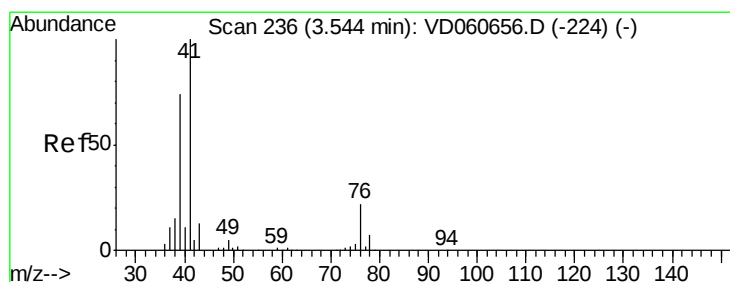
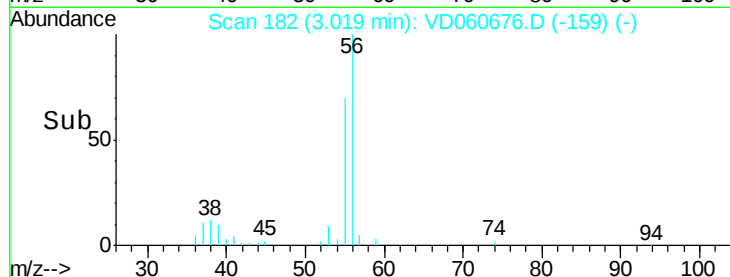
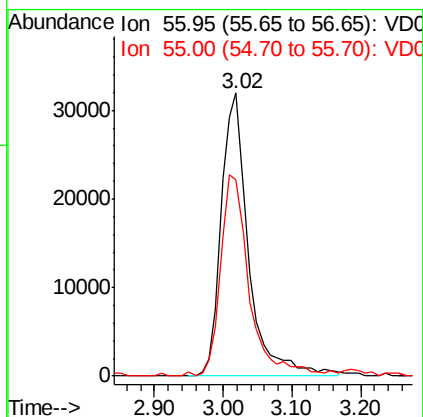
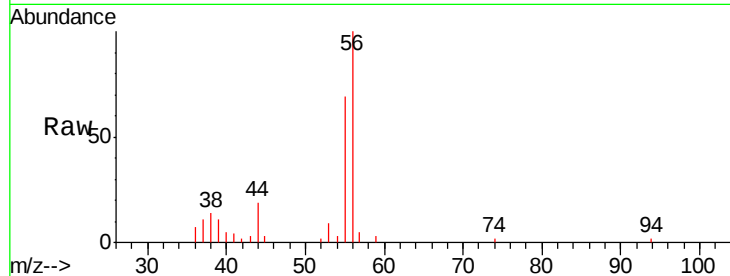
55 69.4 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 55.041 ug/l

RT: 3.57 min Scan# 238

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

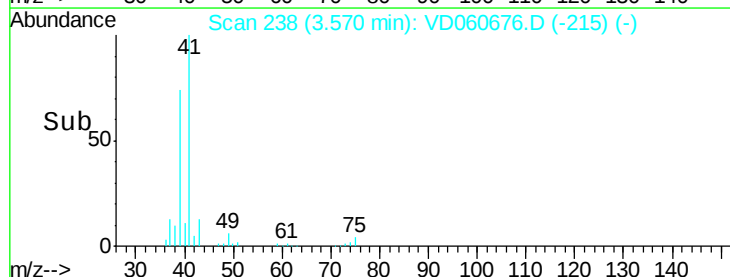
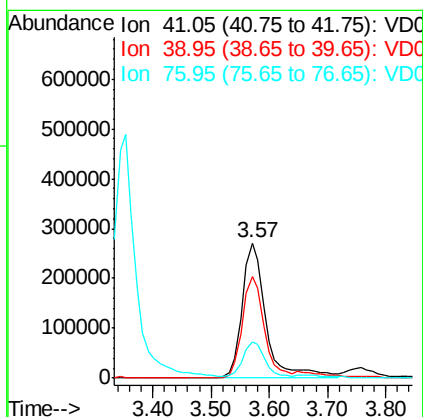
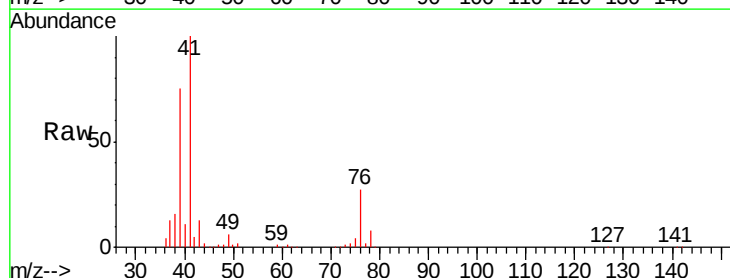
Tgt Ion: 41 Resp: 780265

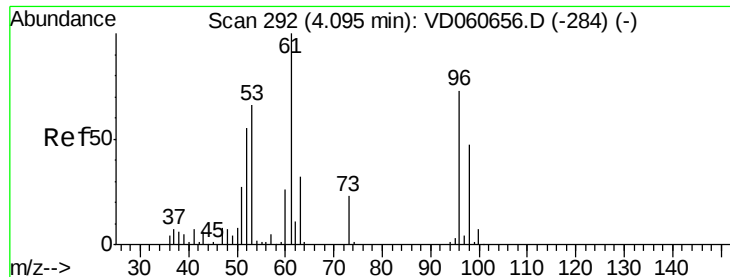
Ion Ratio Lower Upper

41 100

39 75.1 59.6 89.4

76 26.9 21.8 32.6





#15

Acrylonitrile

Concen: 263.218 ug/l

RT: 4.12 min Scan# 294

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

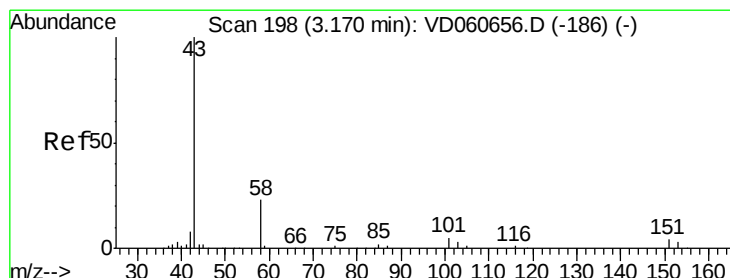
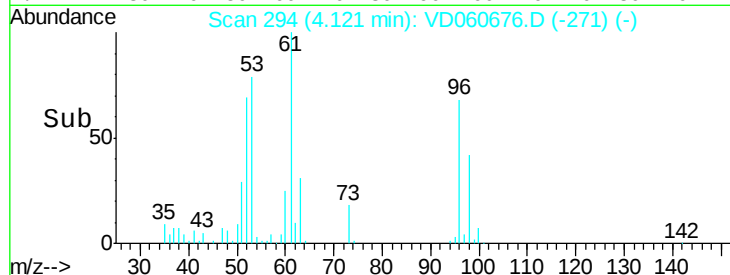
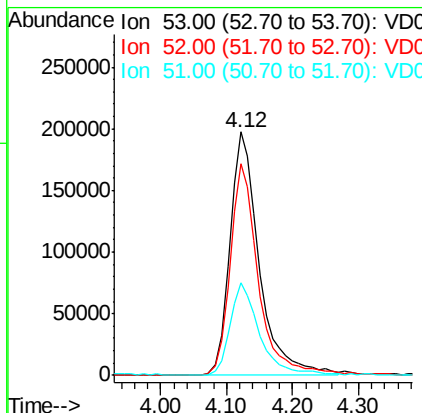
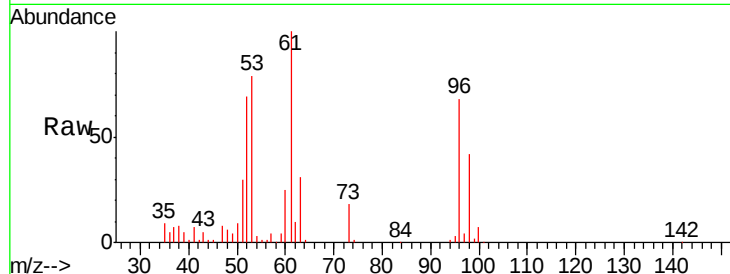
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	616060
Ion	Ratio	Lower	Upper
53	100		
52	86.9	66.7	100.1
51	38.1	32.7	49.1

Manual Integrations
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#16

Acetone

Concen: 268.121 ug/l

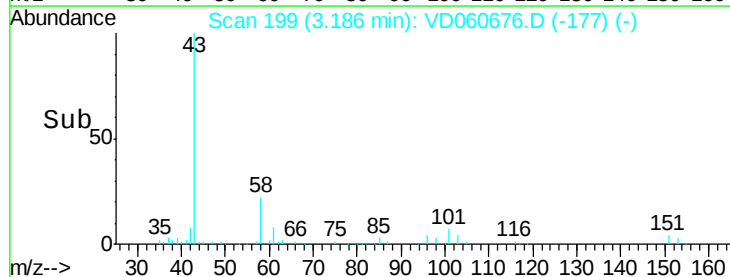
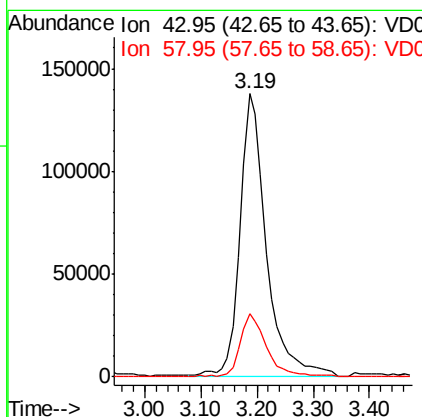
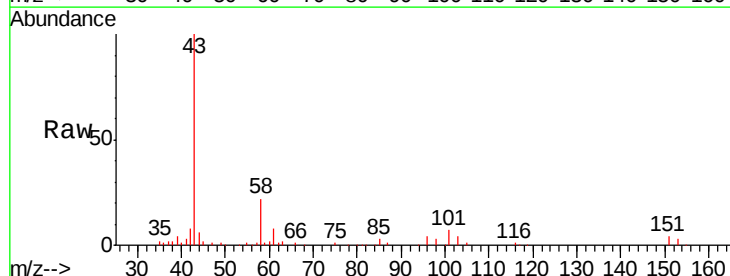
RT: 3.19 min Scan# 199

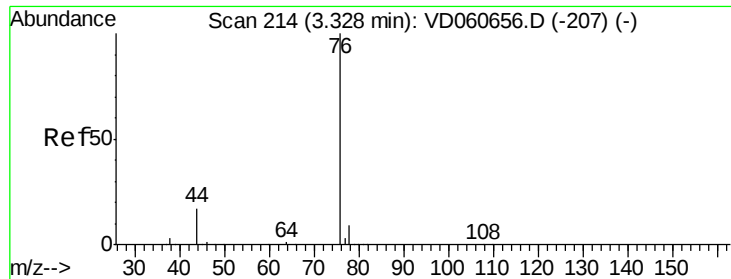
Delta R.T. 0.02 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Tgt Ion:	43	Resp:	451676
Ion	Ratio	Lower	Upper
43	100		
58	22.1	18.2	27.2





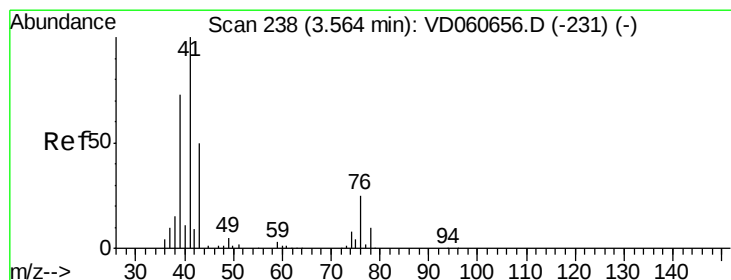
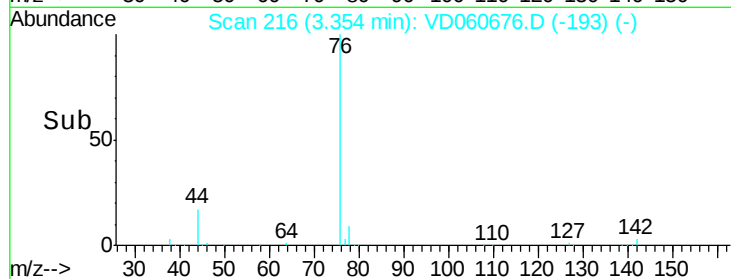
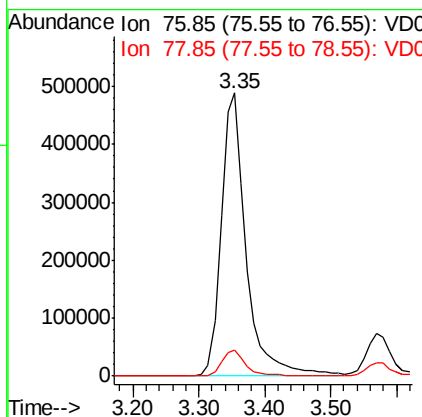
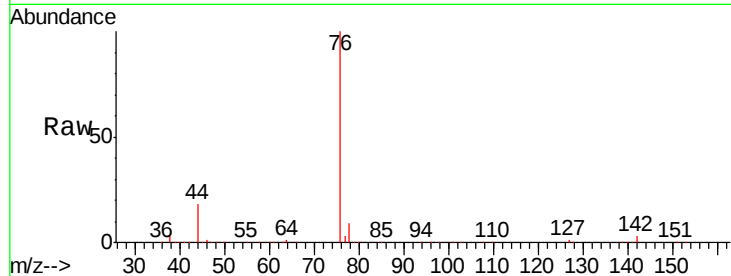
#17
Carbon Disulfide
Concen: 52.075 ug/l
RT: 3.35 min Scan# 216
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1284849
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

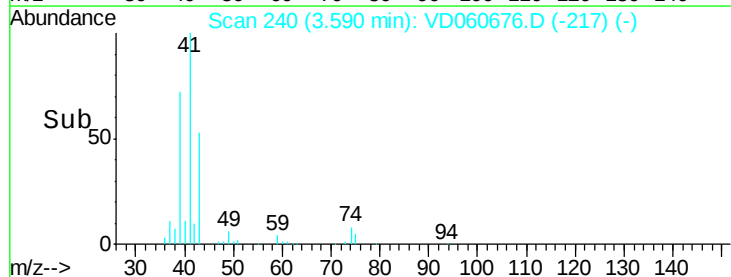
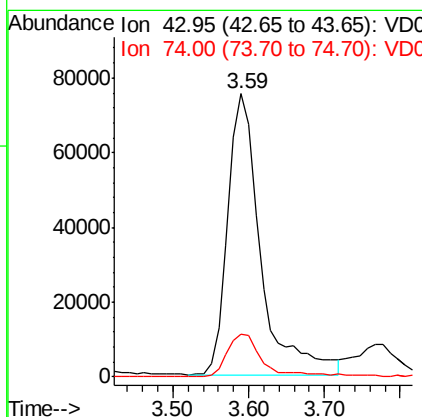
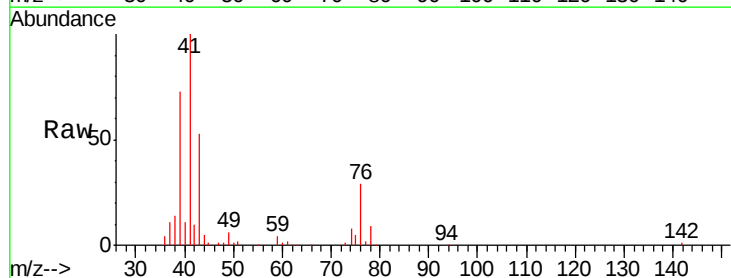
Manual Integrations
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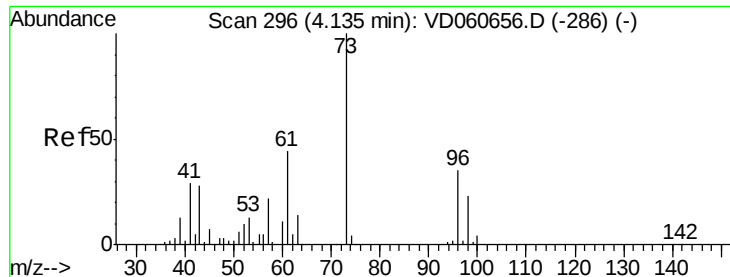
MMDadoda
12/26/2018 10:57:37 AM



#18
Methyl Acetate
Concen: 54.241 ug/l
RT: 3.59 min Scan# 240
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 43 Resp: 226454
Ion Ratio Lower Upper
43 100
74 15.2 12.4 18.6





#19

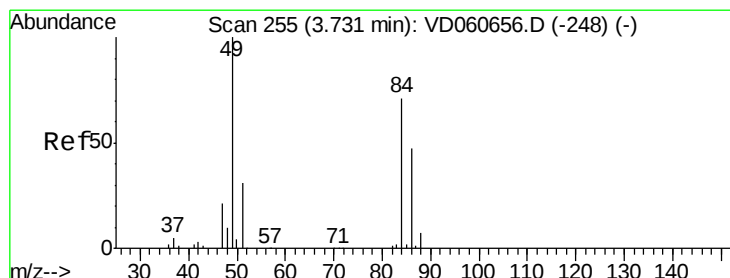
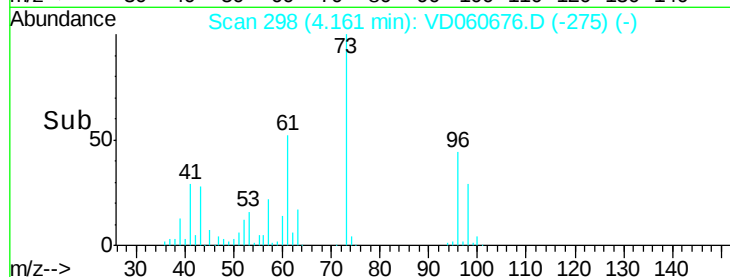
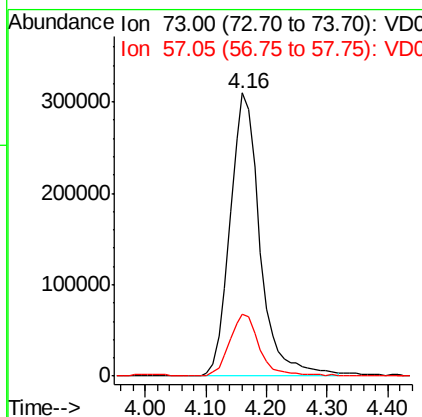
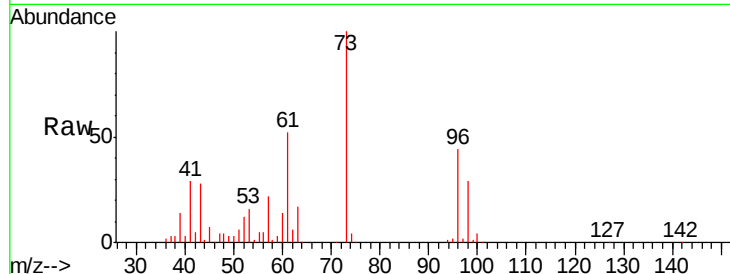
Methyl tert-butyl Ether
 Concen: 54.198 ug/l
 RT: 4.16 min Scan# 298
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 73 Resp: 1062305
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.6 26.4

Manual Integrations
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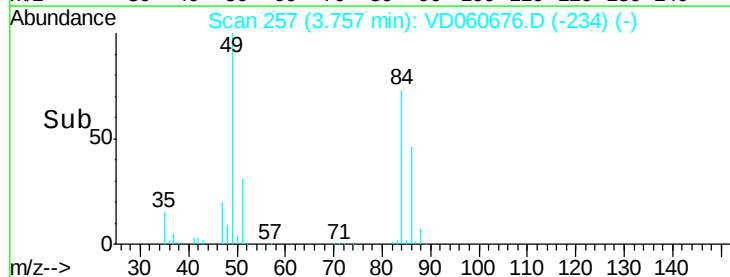
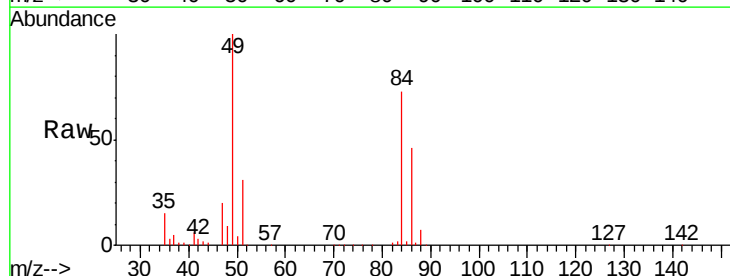
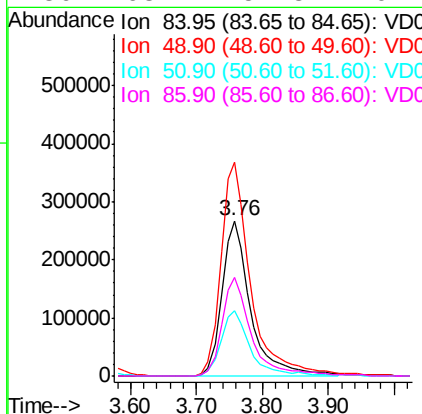
MMDadoda
 12/26/2018 10:57:37 AM

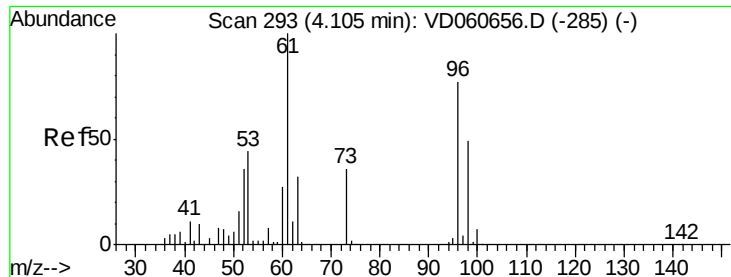


#20

Methylene Chloride
 Concen: 46.309 ug/l
 RT: 3.76 min Scan# 257
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 84 Resp: 810162
 Ion Ratio Lower Upper
 84 100
 49 137.8 113.6 170.4
 51 42.2 34.7 52.1
 86 63.7 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 52.130 ug/l

RT: 4.14 min Scan# 296

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 824783

Ion Ratio Lower Upper

96 100

61 127.5 104.2 156.2

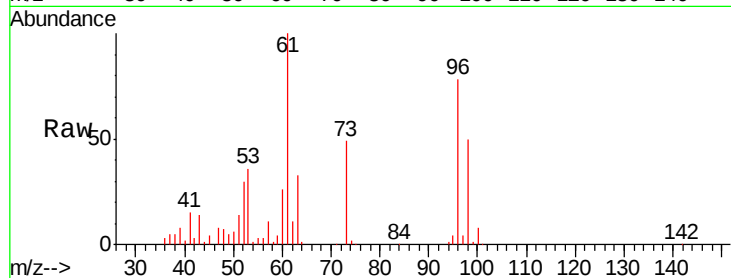
98 63.7 51.2 76.8

Manual Integrations

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MMDadoda

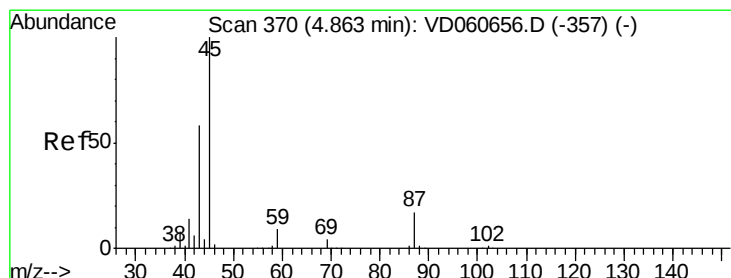
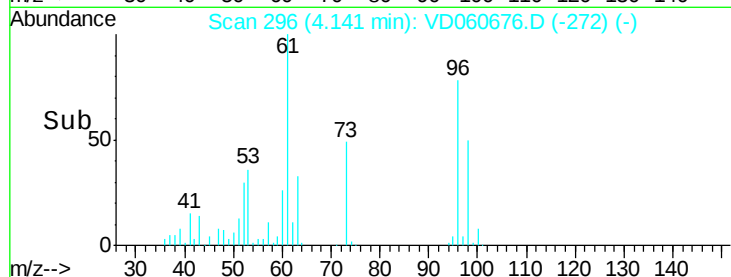
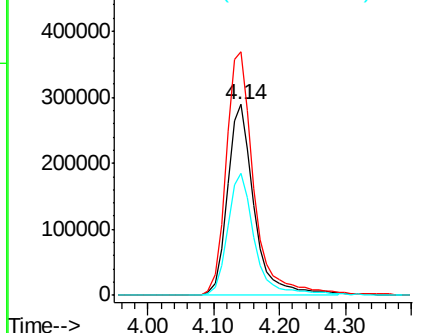
12/26/2018 10:57:37 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 53.226 ug/l

RT: 4.89 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Tgt Ion: 45 Resp: 2561854

Ion Ratio Lower Upper

45 100

43 60.3 46.1 69.1

87 17.1 13.7 20.5

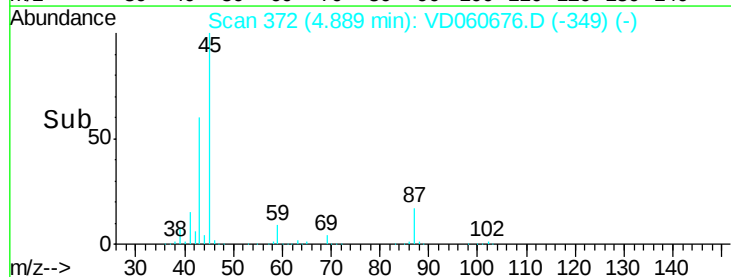
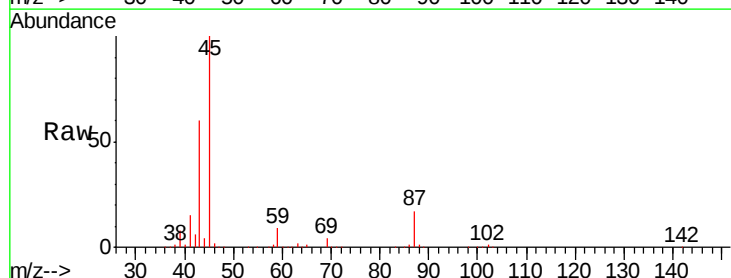
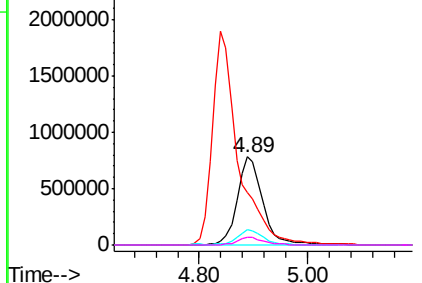
59 9.0 7.4 11.0

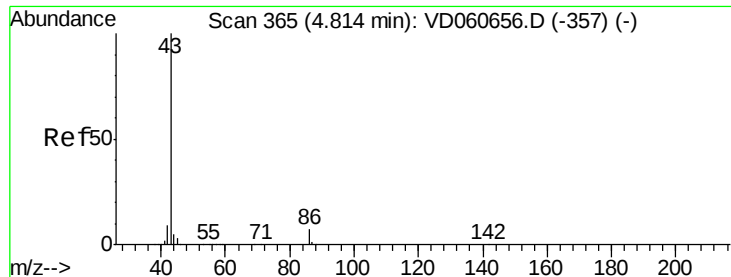
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 266.978 ug/l

RT: 4.84 min Scan# 367

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 6216961

Ion Ratio Lower Upper

43 100

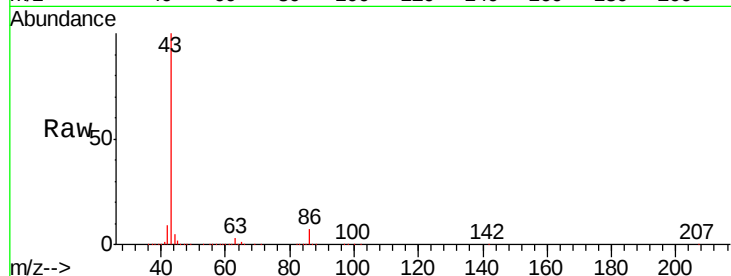
86 7.0 5.6 8.4

Manual Integrations

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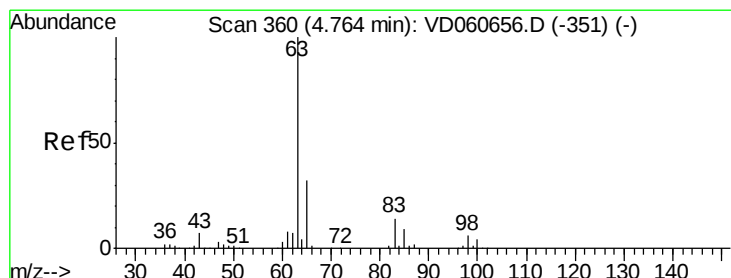
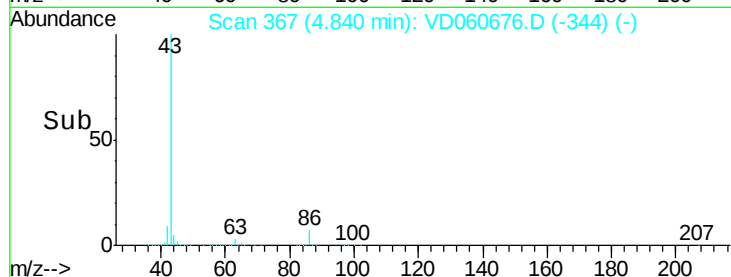
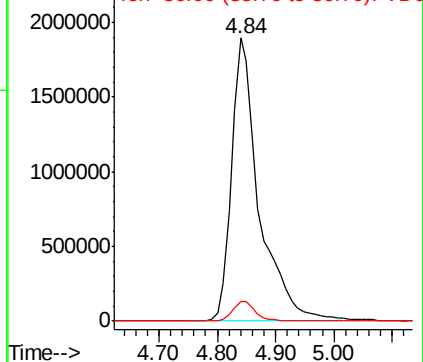
MMDadoda

12/26/2018 10:57:37 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.324 ug/l

RT: 4.79 min Scan# 362

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

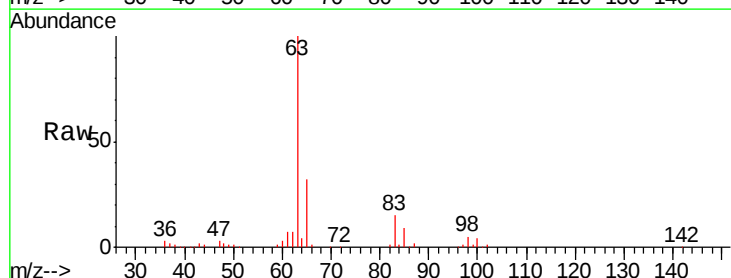
Tgt Ion: 63 Resp: 1299381

Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.7

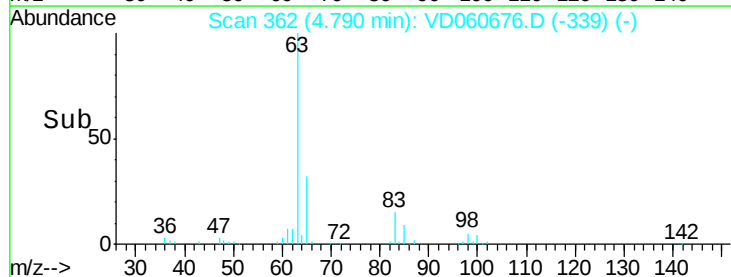
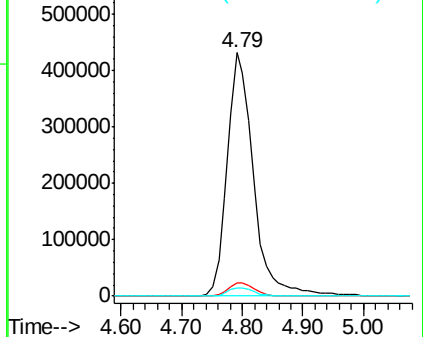
100 3.6 2.0 5.8

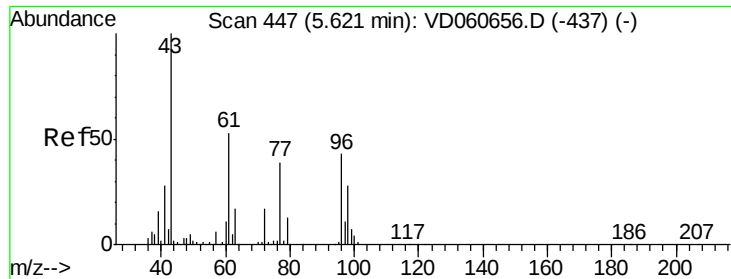


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 276.255 ug/l

RT: 5.66 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 890536

Ion Ratio Lower Upper

43 100

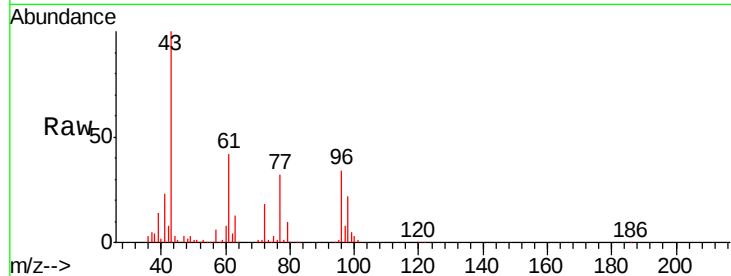
72 17.9 13.7 20.5

Manual Integrations

APPROVED

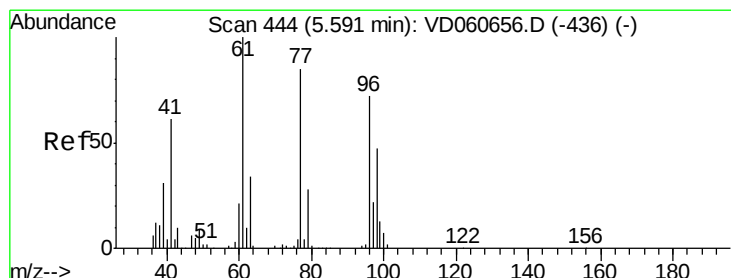
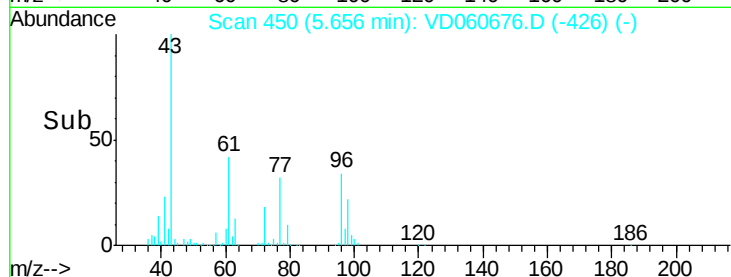
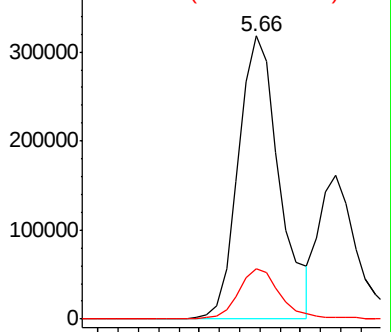
MMDadoda

12/26/2018 10:57:37 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.173 ug/l

RT: 5.63 min Scan# 447

Delta R.T. 0.04 min

Lab File: VD060676.D

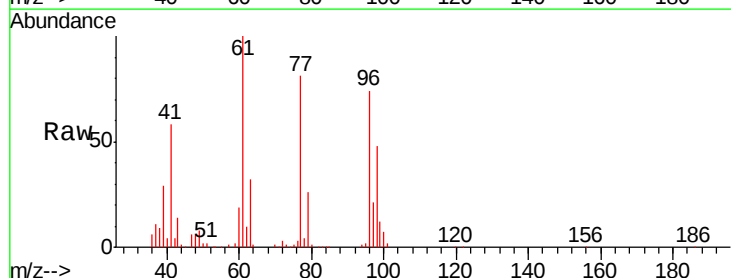
Acq: 21 Dec 2018 11:19

Tgt Ion: 77 Resp: 1082604

Ion Ratio Lower Upper

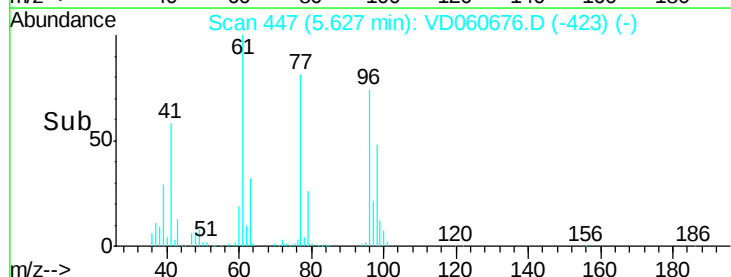
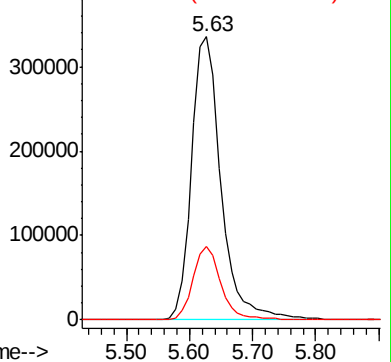
77 100

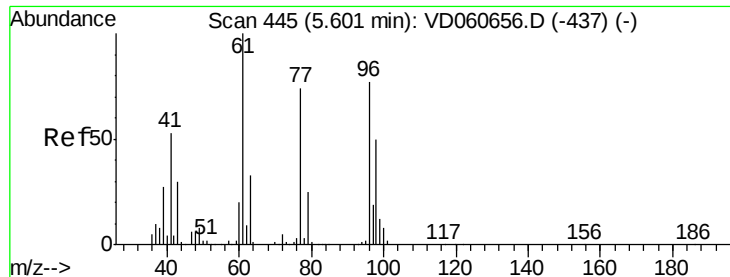
97 25.9 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

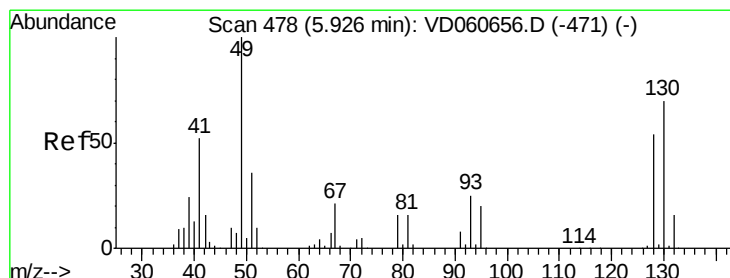
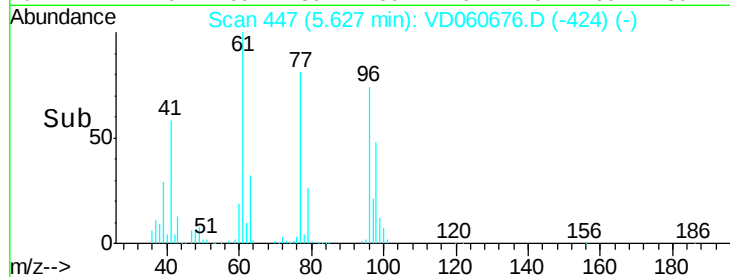
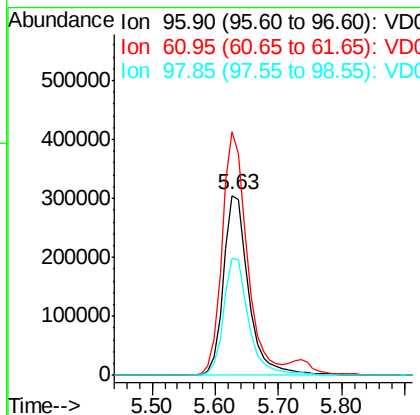
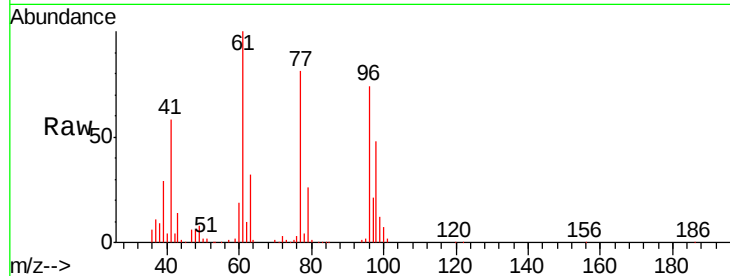
cis-1,2-Dichloroethene
Concen: 52.447 ug/l
RT: 5.63 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	842361		
61	135.2	0.0	259.4	
98	65.0	0.0	130.0	

Manual Integrations
APPROVED

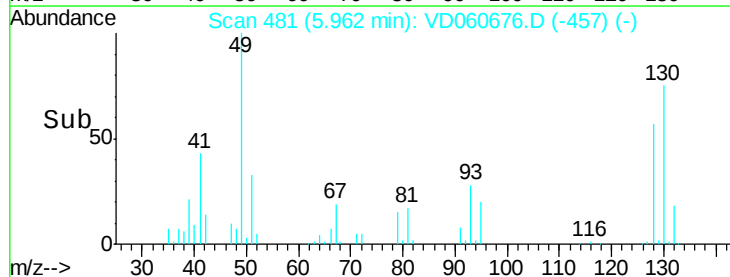
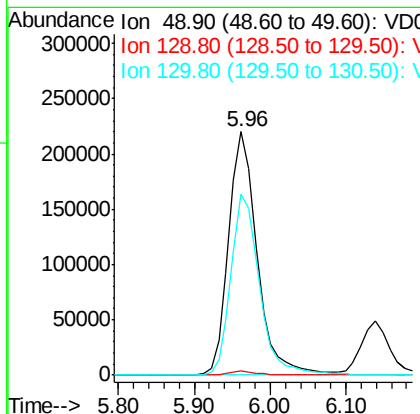
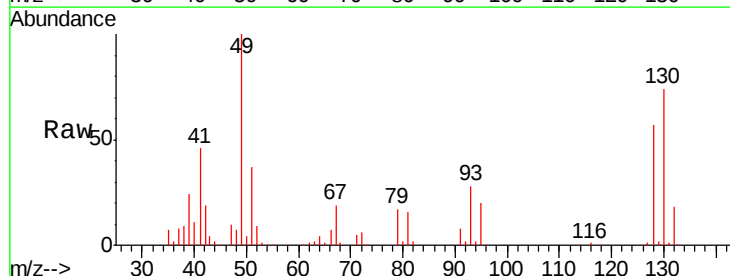
MMDadoda
12/26/2018 10:57:37 AM

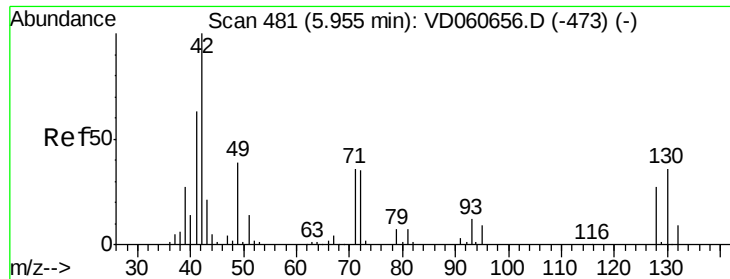


#28

Bromochloromethane
Concen: 53.649 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	573795		
129	1.6	0.0	3.4	
130	74.3	56.2	84.2	





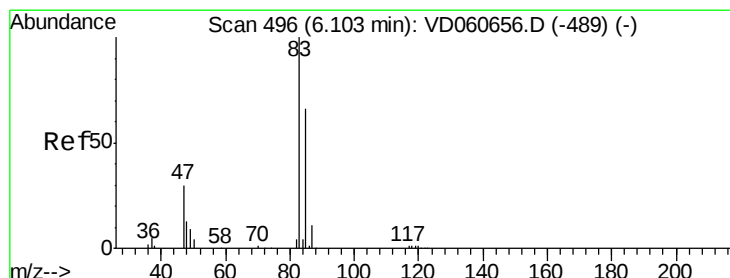
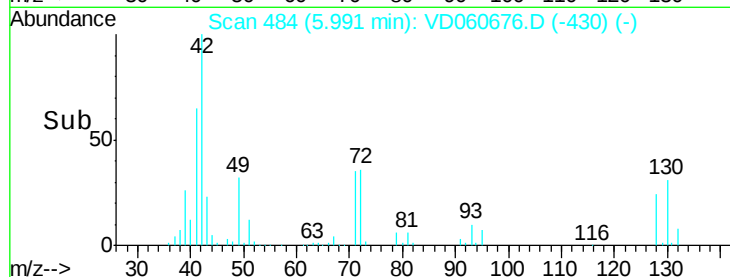
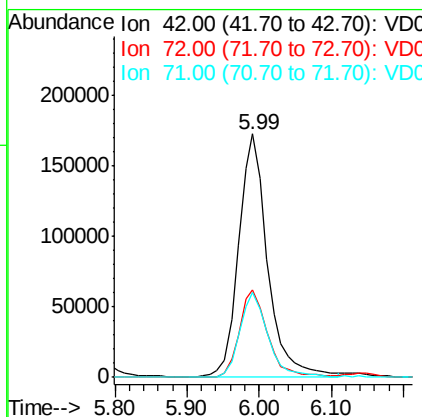
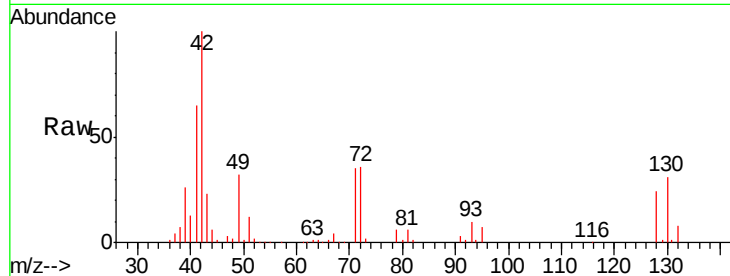
#29
Tetrahydrofuran
Concen: 262.596 ug/l
RT: 5.99 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.6	28.0	42.0
71	34.7	27.0	40.6

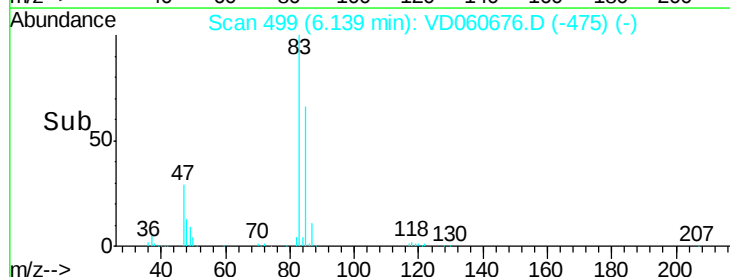
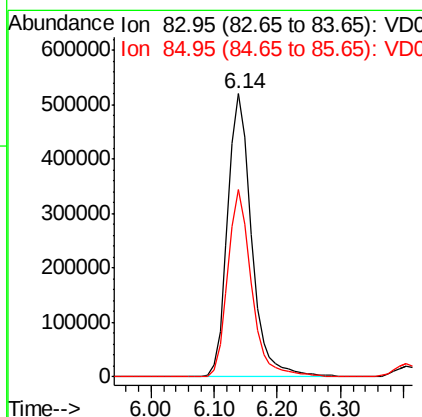
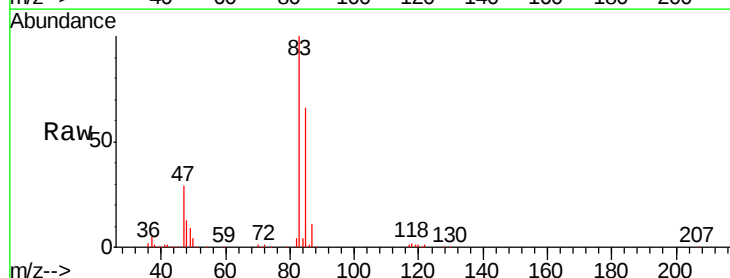
Manual Integrations
APPROVED

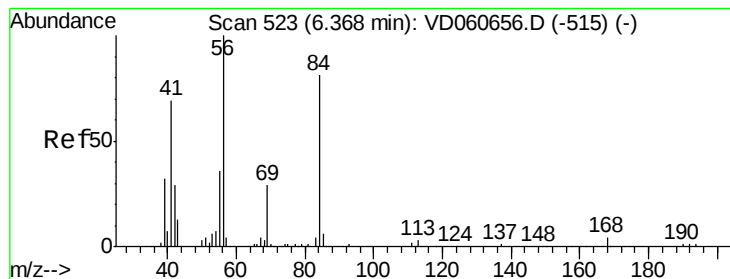
MMDadoda
12/26/2018 10:57:37 AM



#30
Chloroform
Concen: 53.794 ug/l
RT: 6.14 min Scan# 499
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.0	79.6





#31

Cyclohexane

Concen: 50.408 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.04 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 1228135

Ion Ratio Lower Upper

56 100

69 28.4 23.6 35.4

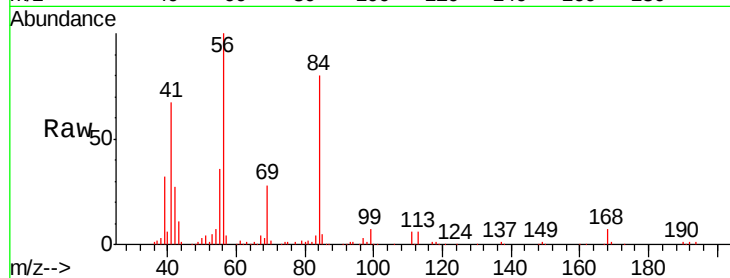
84 80.2 65.8 98.6

Manual Integrations

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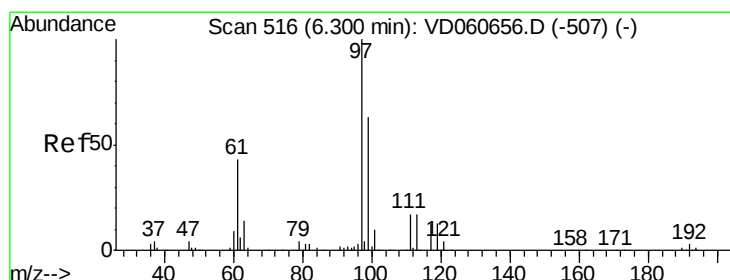
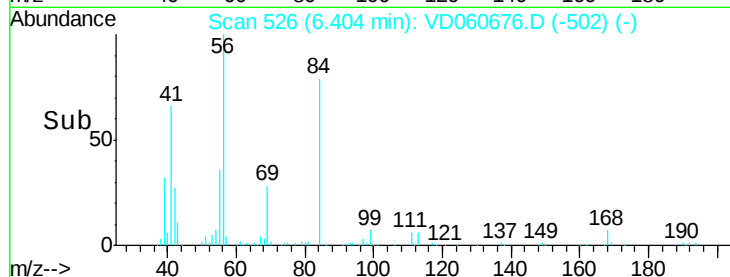
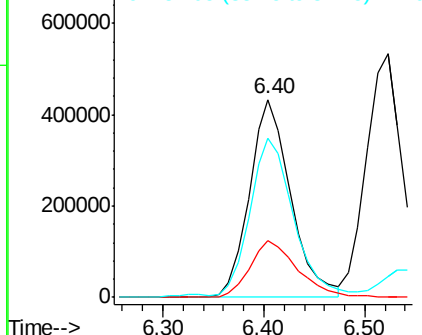
12/26/2018 10:57:37 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 53.317 ug/l

RT: 6.33 min Scan# 518

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

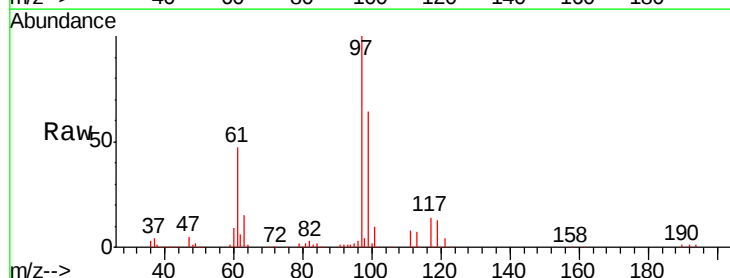
Tgt Ion: 97 Resp: 1123712

Ion Ratio Lower Upper

97 100

99 64.1 50.5 75.7

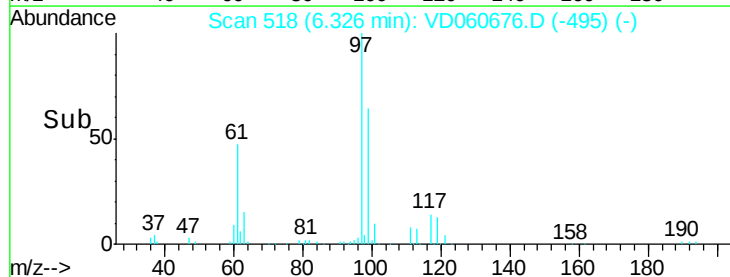
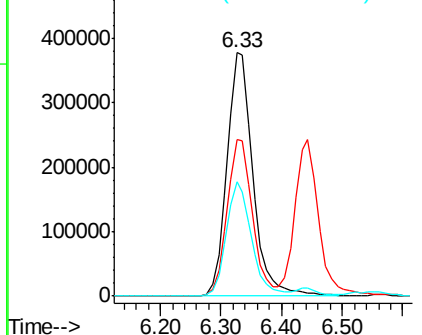
61 46.8 34.6 51.8

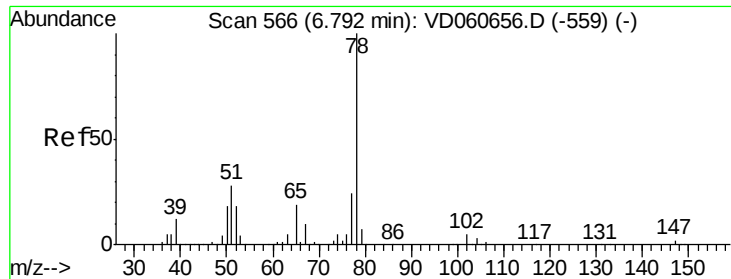


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.317 ug/l

RT: 6.82 min Scan# 568

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

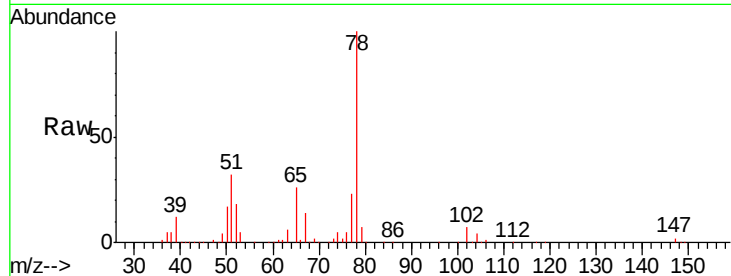
Tgt Ion: 65 Resp: 507405
Ion Ratio Lower Upper

65 100

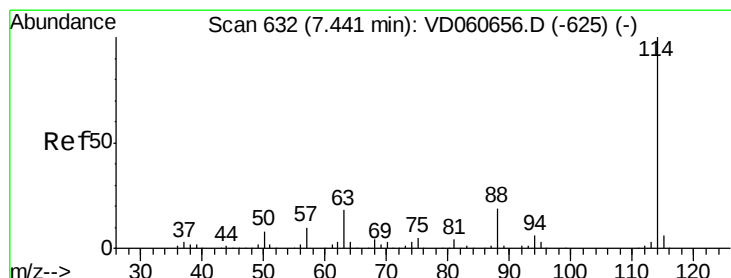
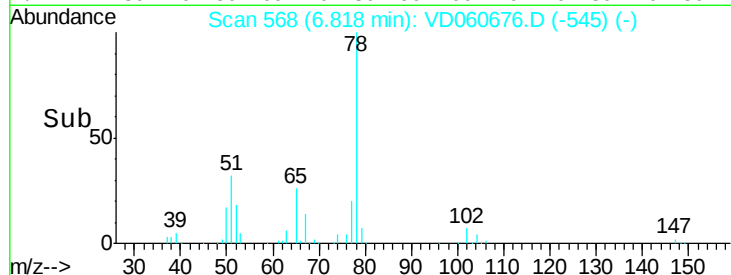
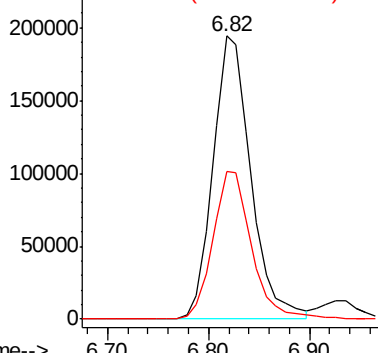
67 52.1 0.0 105.4

Manual Integrations
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Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.48 min Scan# 635

Delta R.T. 0.04 min

Lab File: VD060676.D

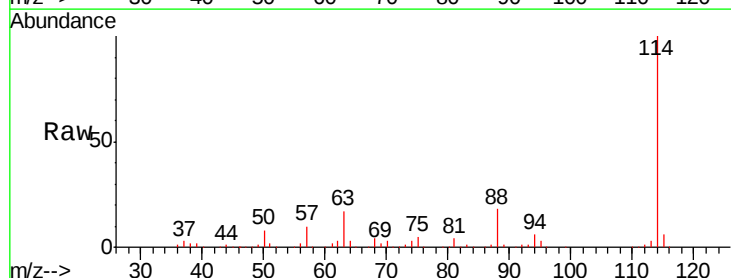
Acq: 21 Dec 2018 11:19

Tgt Ion: 114 Resp: 1930219
Ion Ratio Lower Upper

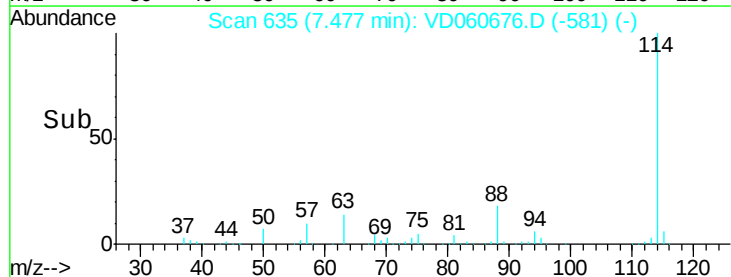
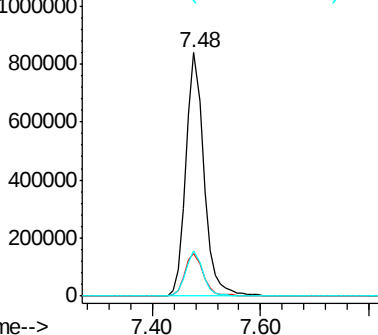
114 100

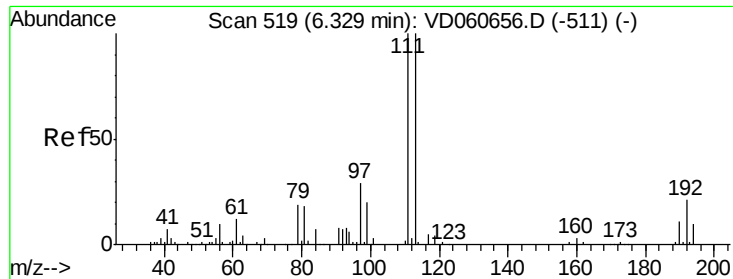
63 17.5 0.0 36.2

88 18.4 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC





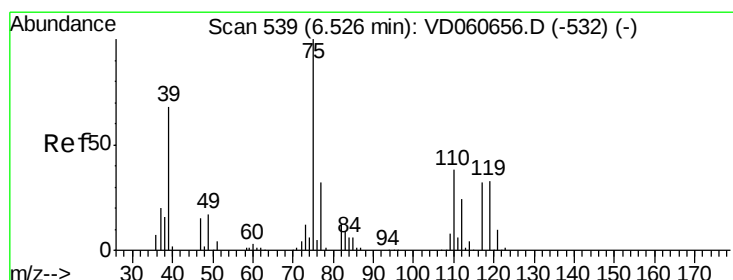
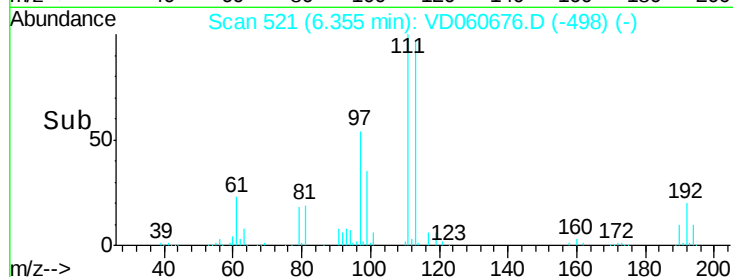
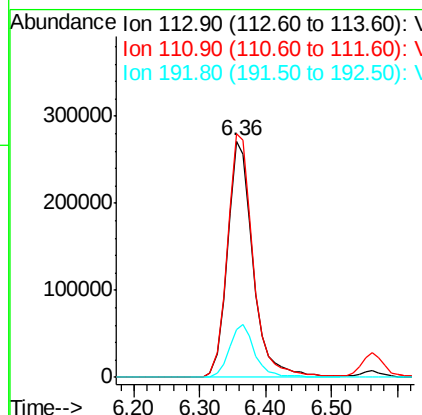
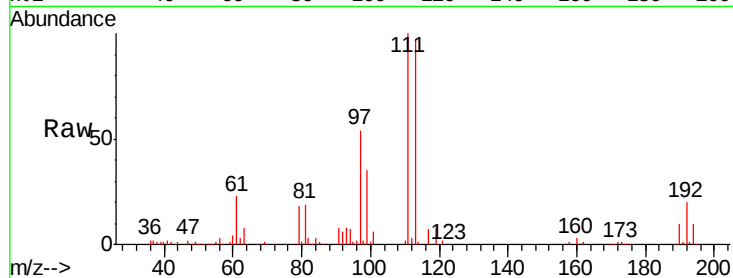
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.36 min Scan# 521
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	737534		
111	103.0	80.0	120.0	
192	20.4	16.6	25.0	

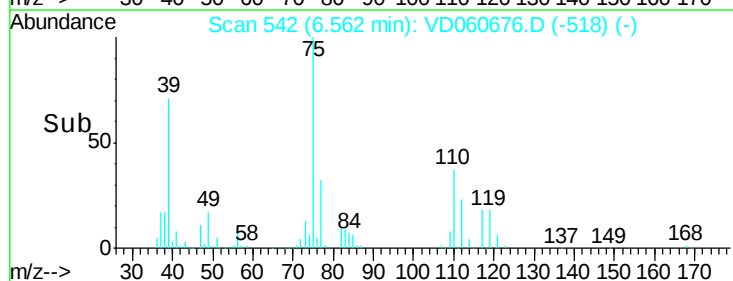
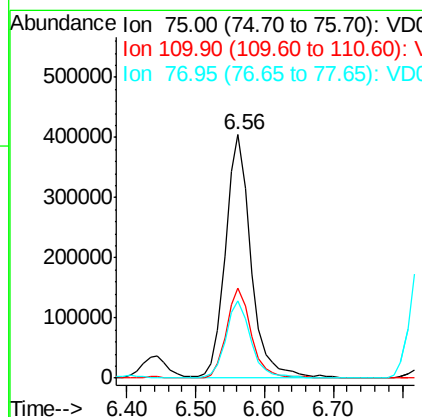
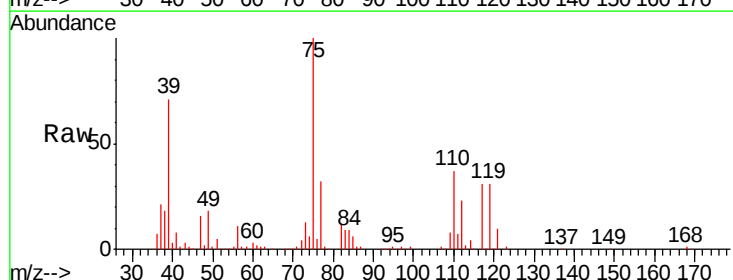
Manual Integrations
APPROVED

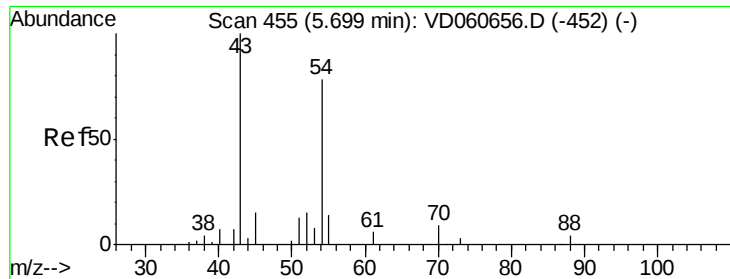
MMDadoda
12/26/2018 10:57:37 AM



#36
1,1-Dichloropropene
Concen: 51.712 ug/l
RT: 6.56 min Scan# 542
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1027831		
110	37.1	18.9	56.7	
77	31.8	25.4	38.0	





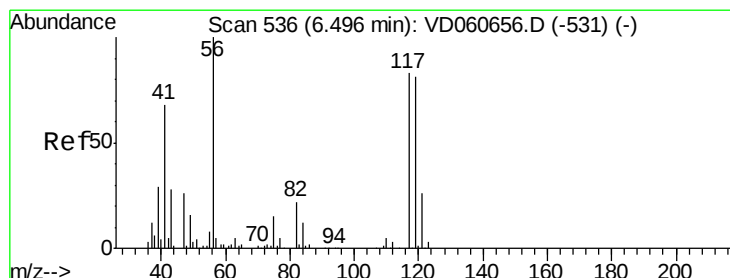
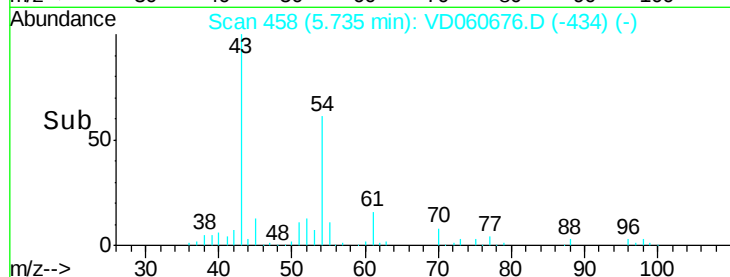
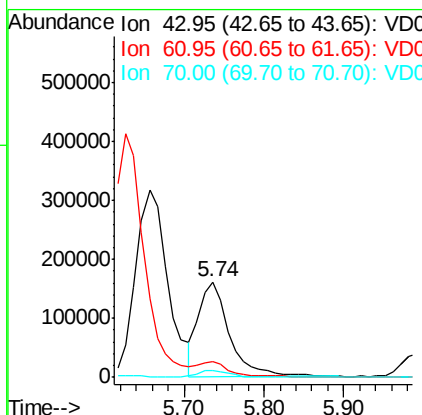
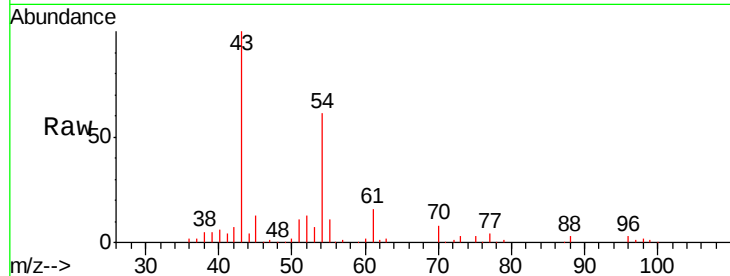
#37
Ethyl Acetate
Concen: 51.271 ug/l
RT: 5.74 min Scan# 458
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.8	17.6
70	7.6	5.8	8.6

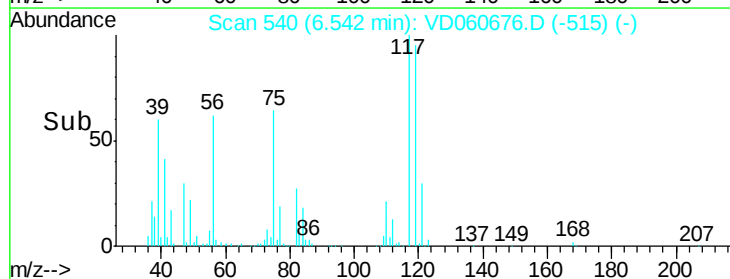
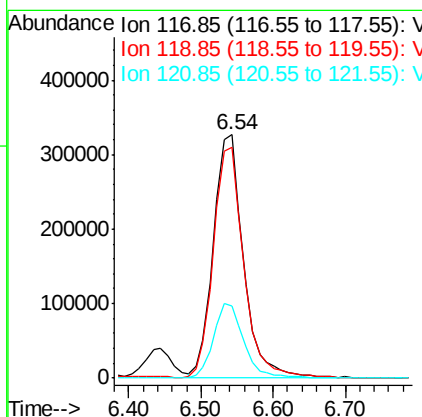
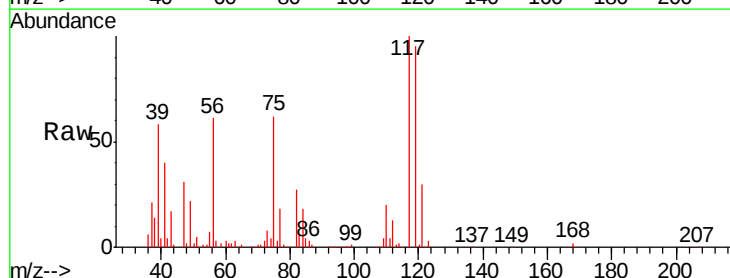
Manual Integrations
APPROVED

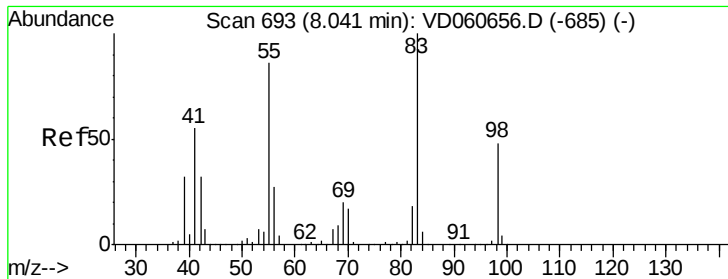
MMDadoda
12/26/2018 10:57:37 AM



#38
Carbon Tetrachloride
Concen: 53.018 ug/l
RT: 6.54 min Scan# 540
Delta R.T. 0.05 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.0	115.4
121	29.6	24.7	37.1





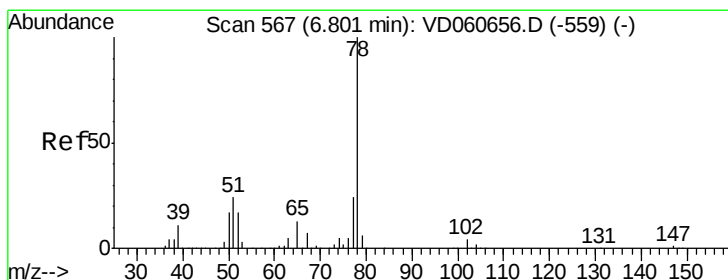
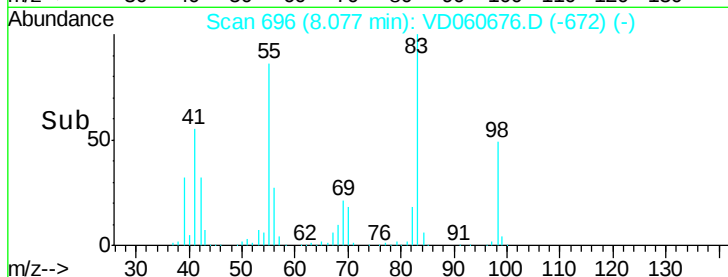
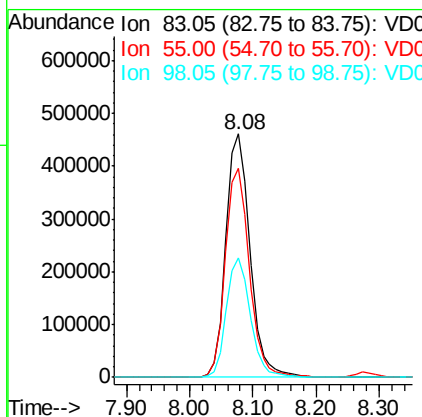
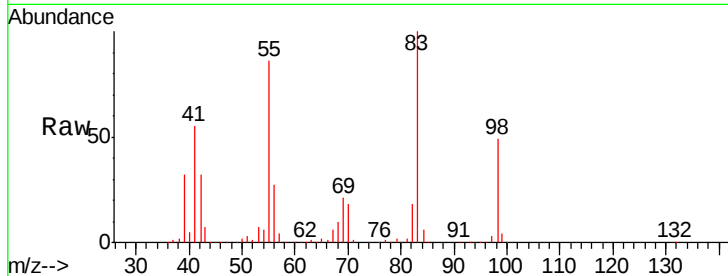
#39
Methylcyclohexane
Concen: 53.926 ug/l
RT: 8.08 min Scan# 696
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 1222422
Ion Ratio Lower Upper
83 100
55 85.7 68.6 102.8
98 49.2 38.1 57.1

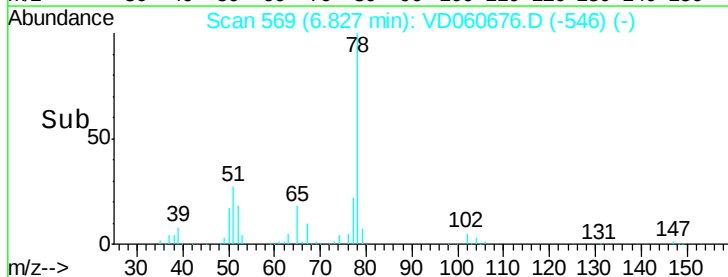
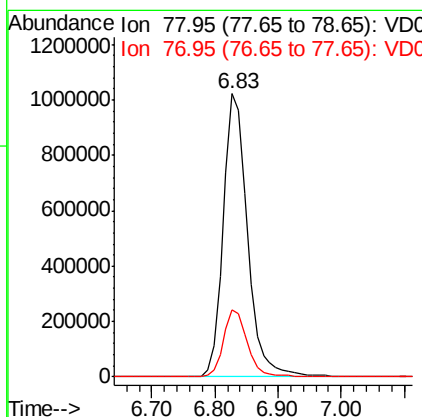
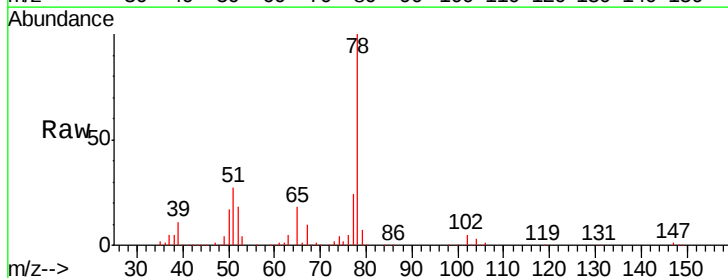
Manual Integrations
APPROVED

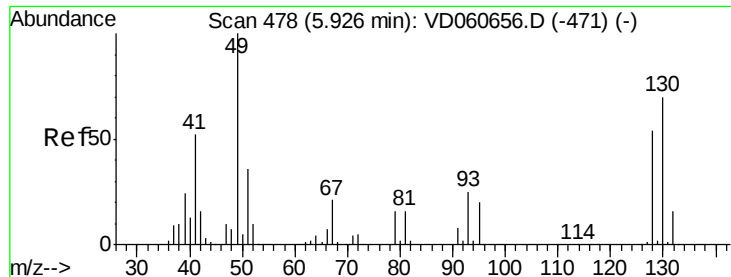
MMDadoda
12/26/2018 10:57:37 AM



#40
Benzene
Concen: 53.224 ug/l
RT: 6.83 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 78 Resp: 2732574
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 44.180 ug/l m

RT: 5.95 min Scan# 480

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 203142
Ion Ratio Lower Upper

41 100

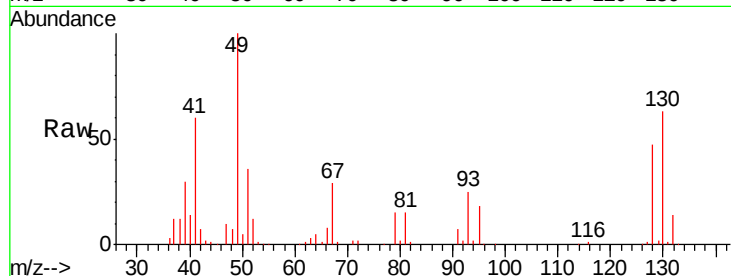
39 50.6 37.6 56.4

67 48.0 33.0 49.6

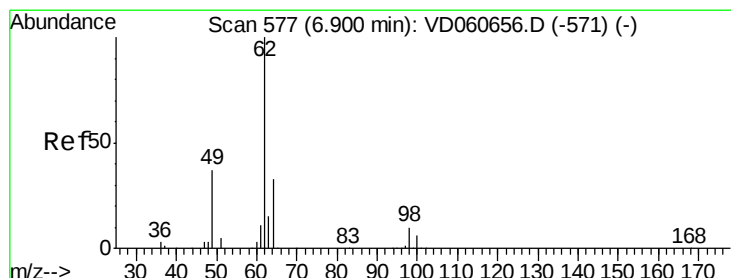
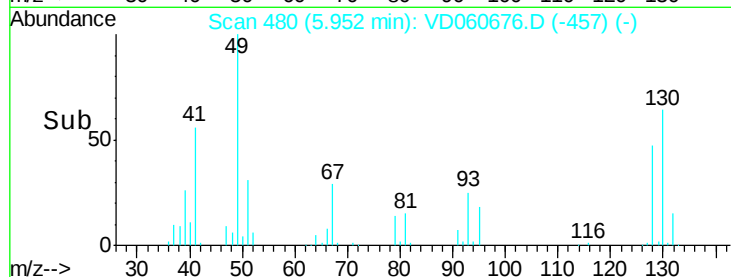
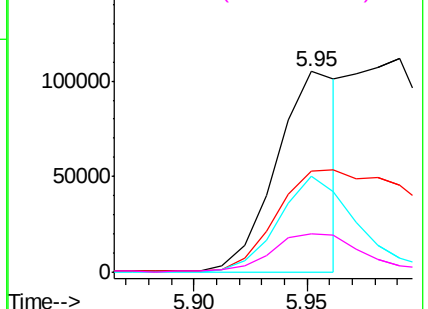
52 19.5 15.5 23.3

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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.119 ug/l

RT: 6.93 min Scan# 579

Delta R.T. 0.03 min

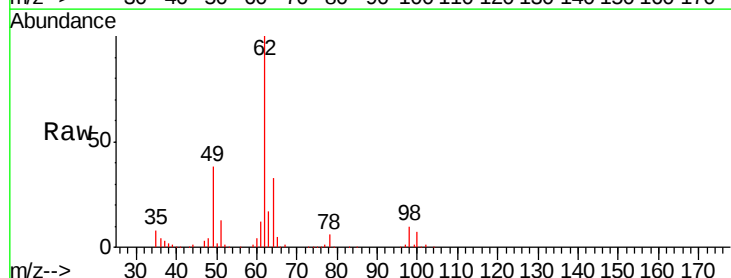
Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

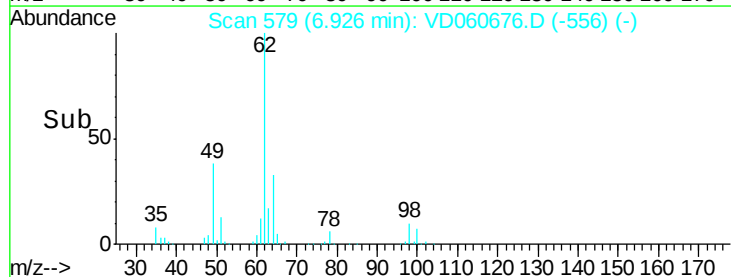
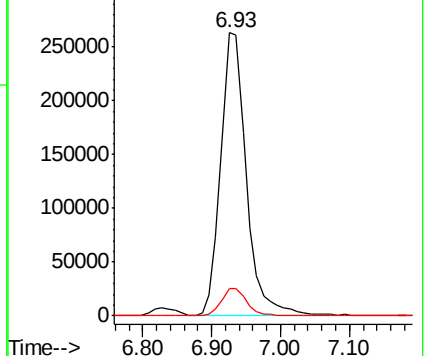
Tgt Ion: 62 Resp: 676768
Ion Ratio Lower Upper

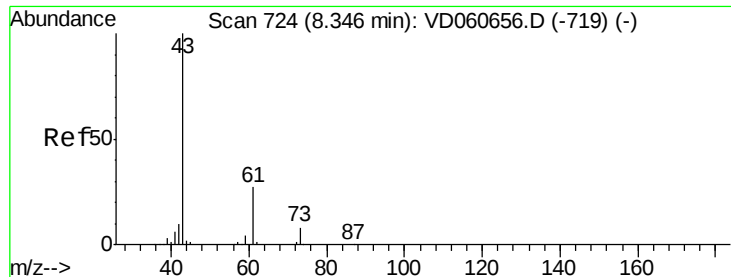
62 100

98 9.9 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





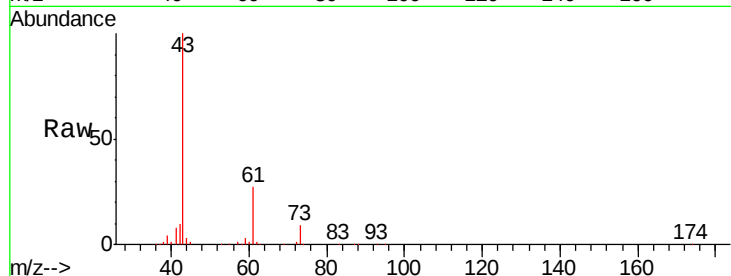
#43
Isopropyl Acetate
Concen: 54.346 ug/l
RT: 8.38 min Scan# 727
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

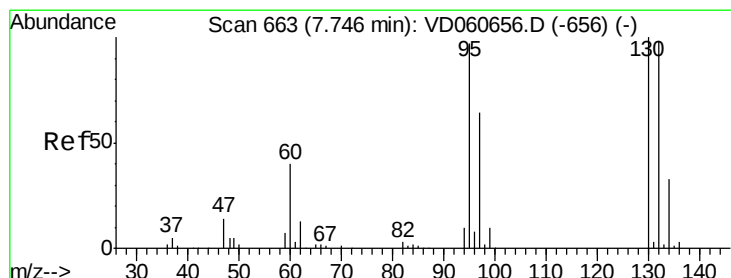
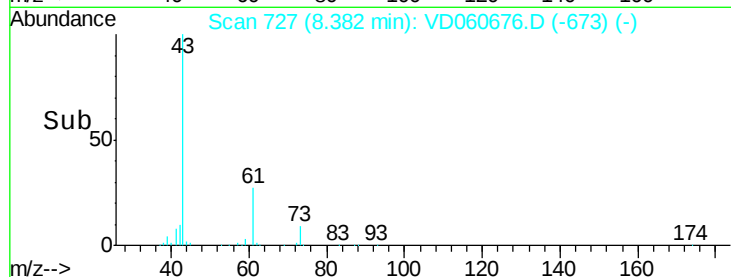
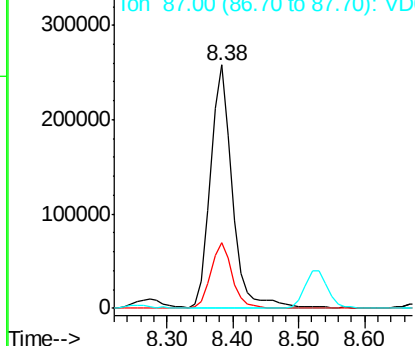
Tgt Ion: 43 Resp: 579734
Ion Ratio Lower Upper
43 100
61 27.1 21.8 32.8
87 0.3 0.2 0.4

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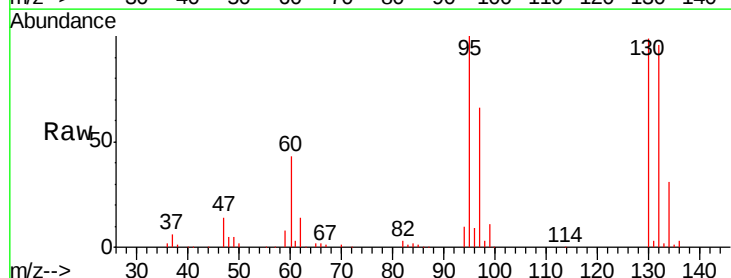


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

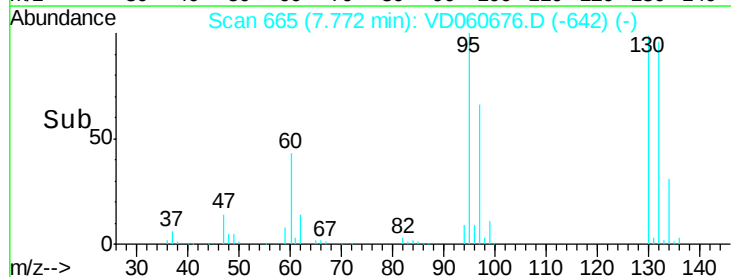
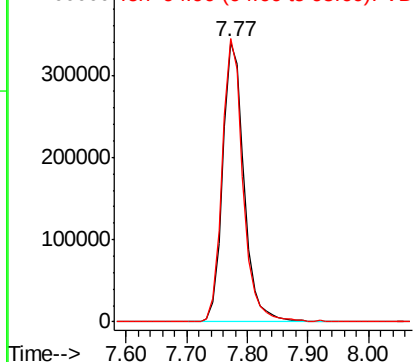


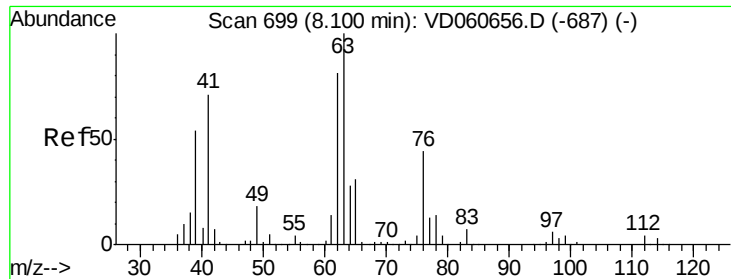
#44
Trichloroethene
Concen: 54.551 ug/l
RT: 7.77 min Scan# 665
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 130 Resp: 828936
Ion Ratio Lower Upper
130 100
95 101.2 0.0 193.6



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





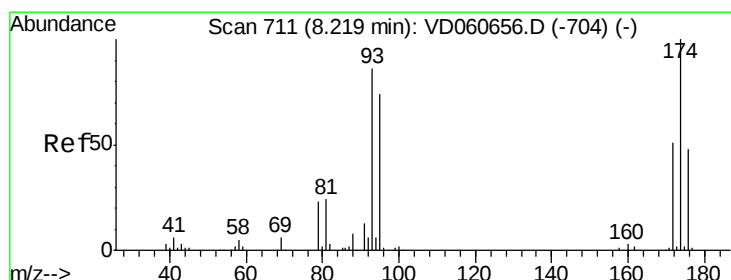
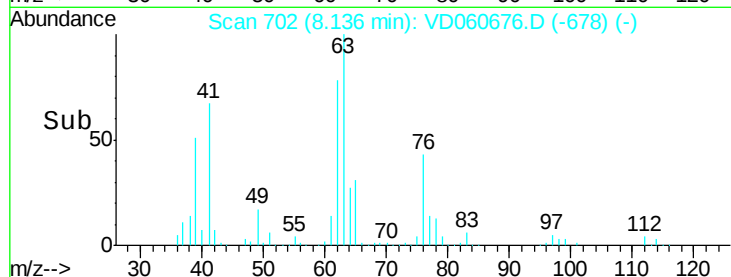
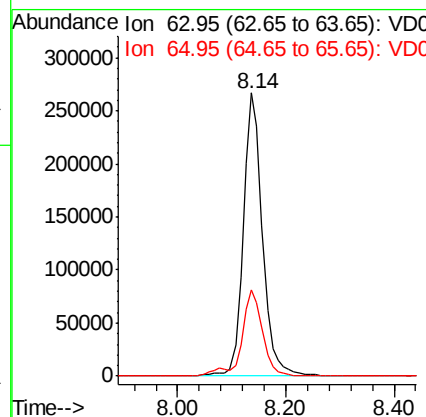
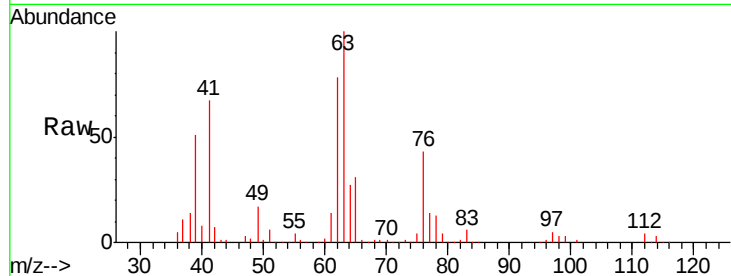
#45
 1,2-Dichloropropane
 Concen: 52.413 ug/l
 RT: 8.14 min Scan# 702
 Delta R.T. 0.04 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 659925
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

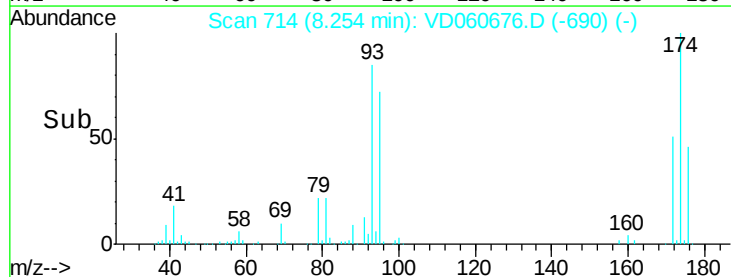
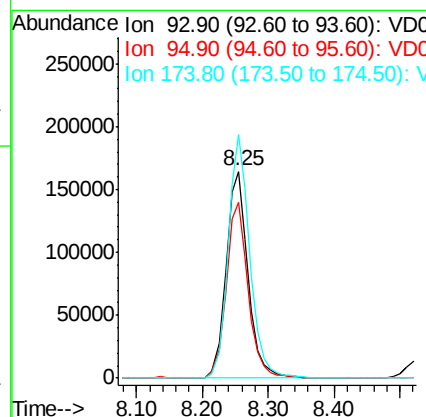
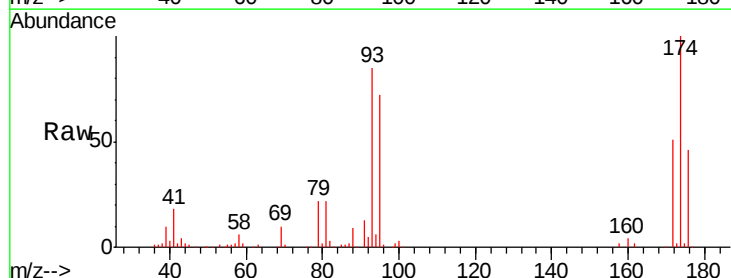
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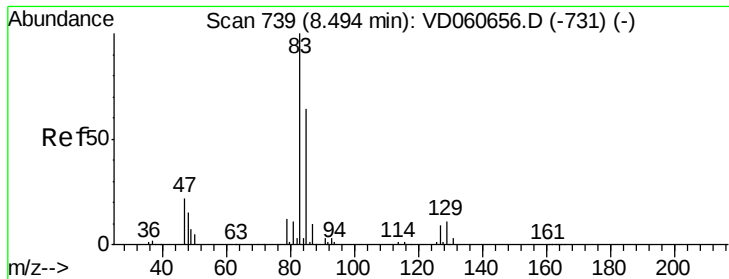
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 12/26/2018 10:57:37 AM



#46
 Dibromomethane
 Concen: 52.849 ug/l
 RT: 8.25 min Scan# 714
 Delta R.T. 0.04 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 93 Resp: 379775
 Ion Ratio Lower Upper
 93 100
 95 85.3 68.8 103.2
 174 117.8 93.0 139.4





#47

Bromodichloromethane

Concen: 54.350 ug/l

RT: 8.52 min Scan# 741

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

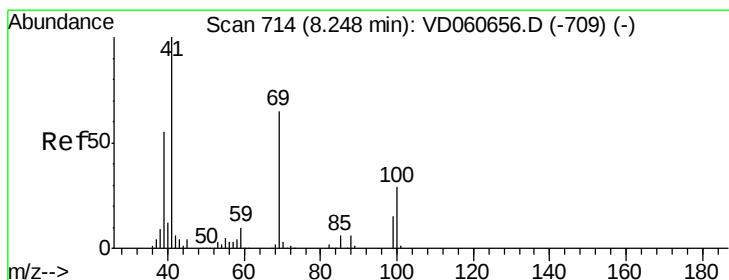
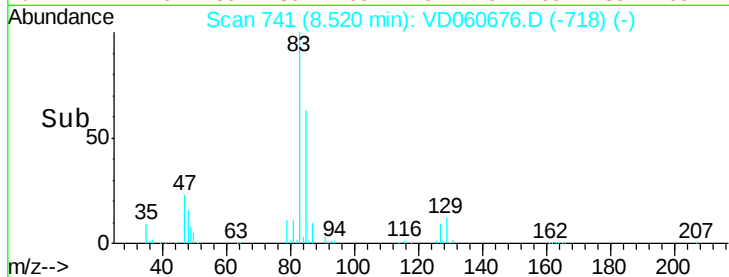
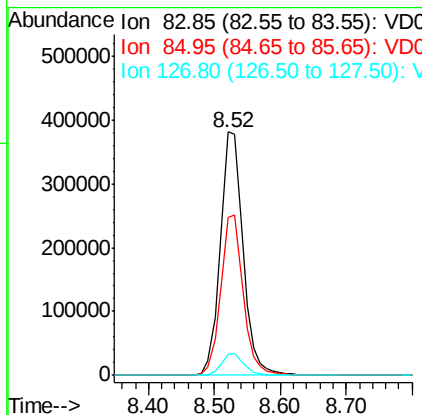
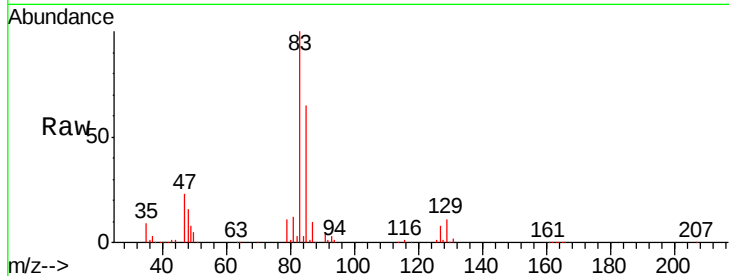
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	925041
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	8.5	7.0	10.6

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#48

Methyl methacrylate

Concen: 53.304 ug/l

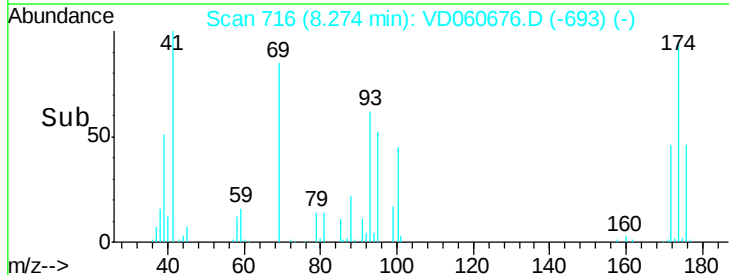
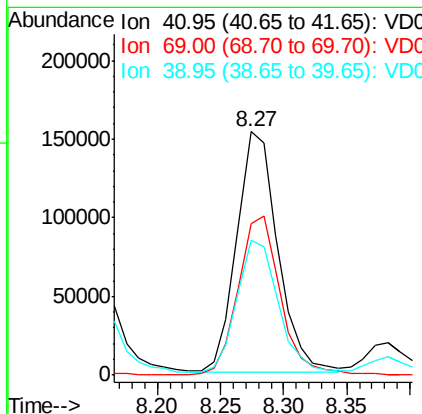
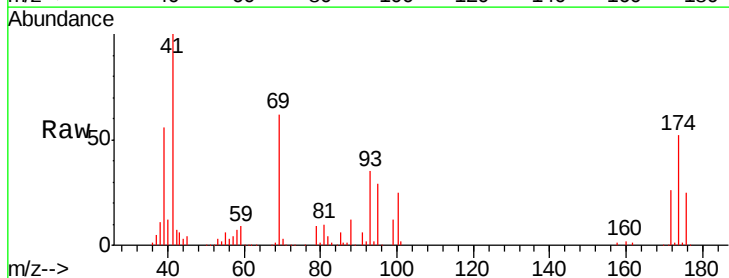
RT: 8.27 min Scan# 716

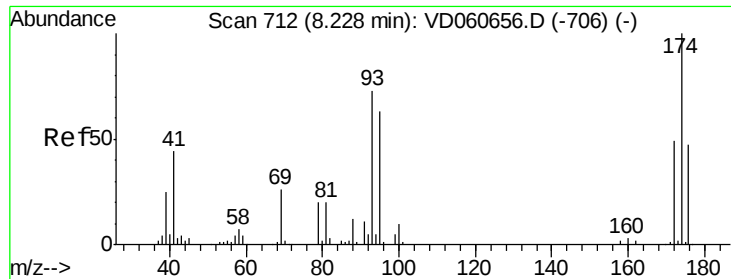
Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Tgt Ion:	41	Resp:	345360
Ion	Ratio	Lower	Upper
41	100		
69	62.4	51.2	76.8
39	55.5	44.6	67.0





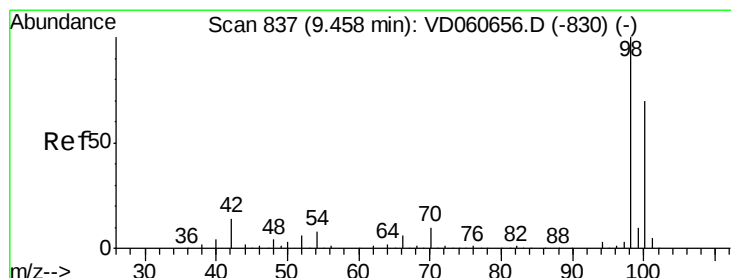
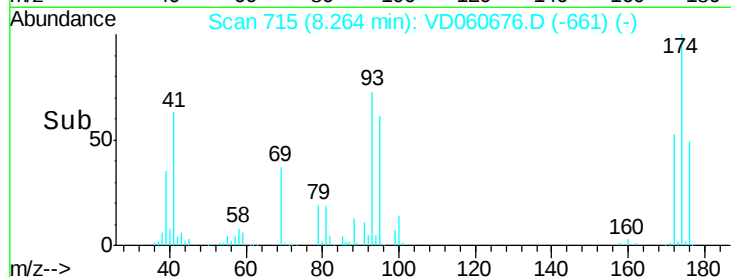
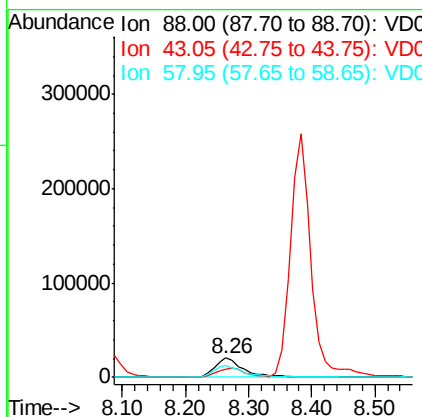
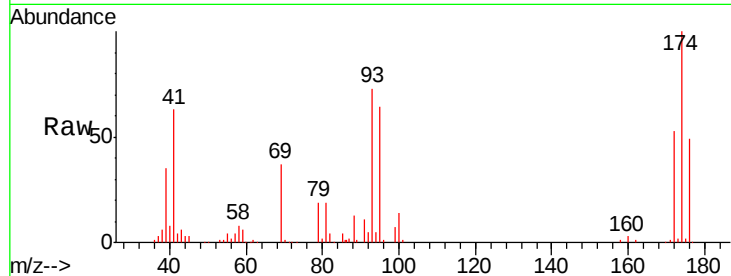
#49
1,4-Dioxane
Concen: 1094.545 ug/l
RT: 8.26 min Scan# 715
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	65937		
43	43.5	31.5	47.3	
58	59.7	50.6	76.0	

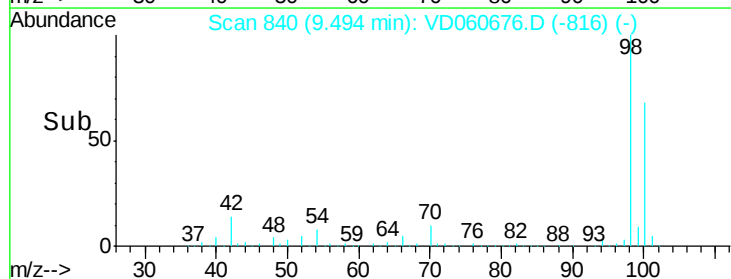
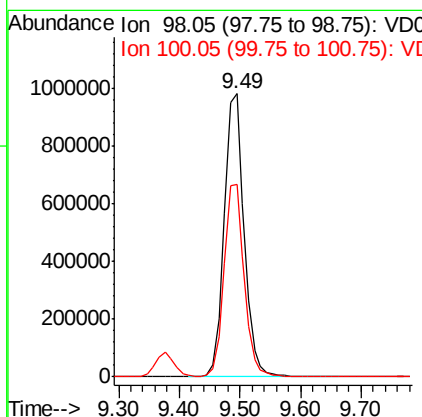
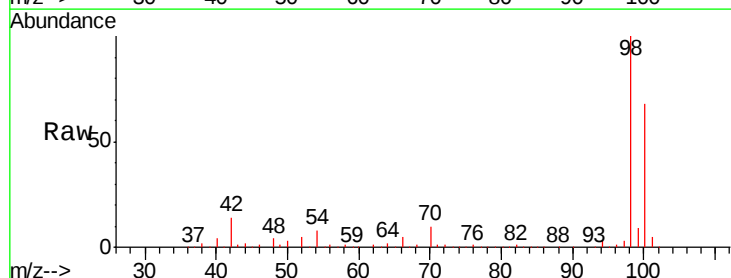
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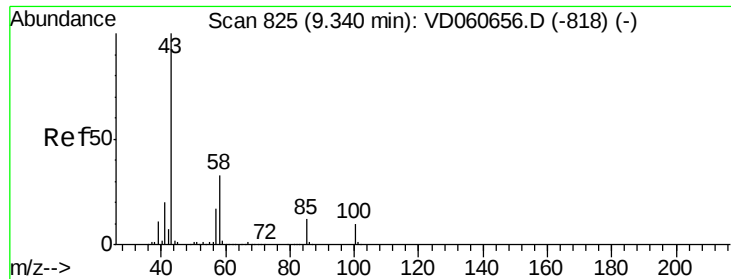
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#50
Toluene-d8
Concen: 1094.545 ug/l
RT: 9.49 min Scan# 840
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2243080		
100	68.0	55.8	83.8	





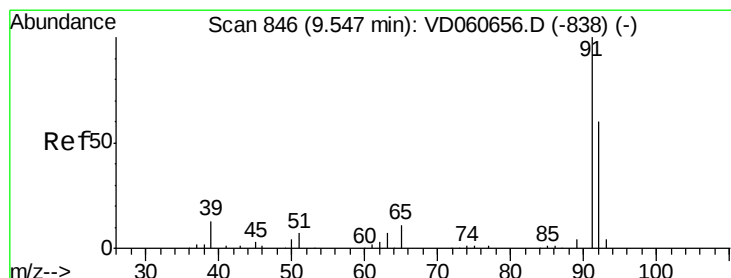
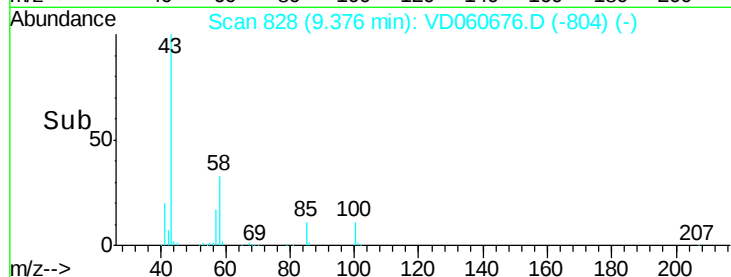
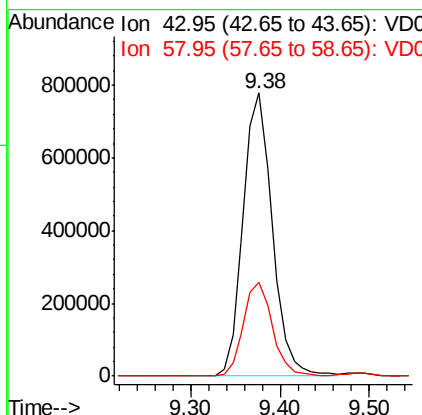
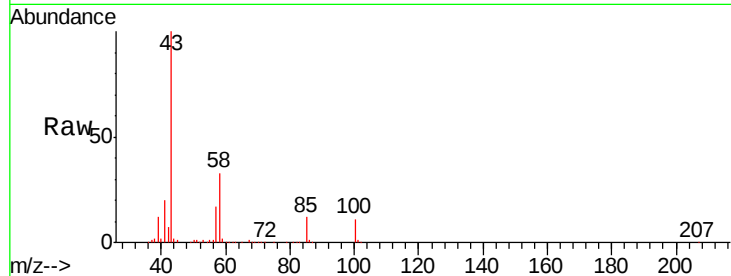
#51
4-Methyl-2-Pentanone
Concen: 270.430 ug/l
RT: 9.38 min Scan# 828
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1767434
Ion Ratio Lower Upper
43 100
58 33.0 26.3 39.5

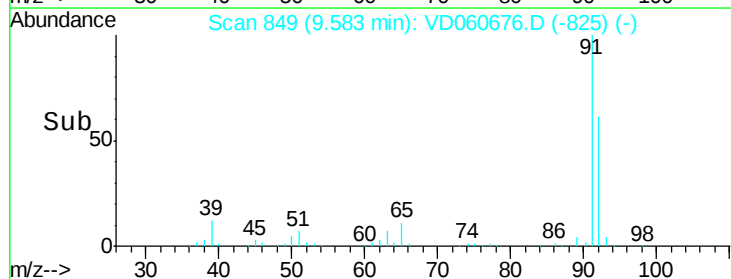
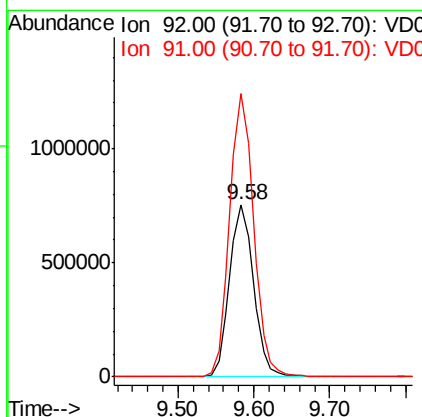
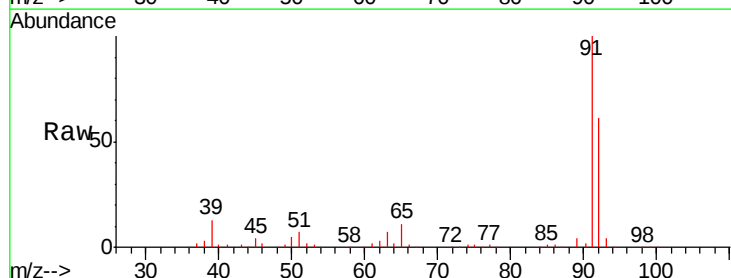
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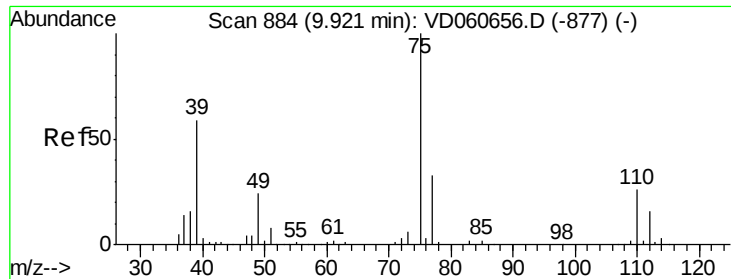
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#52
Toluene
Concen: 51.414 ug/l
RT: 9.58 min Scan# 849
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 92 Resp: 1654758
Ion Ratio Lower Upper
92 100
91 164.4 132.6 199.0





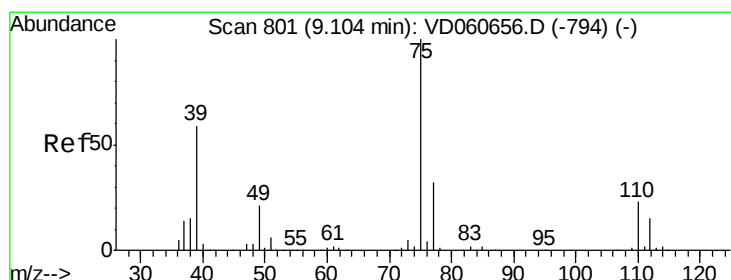
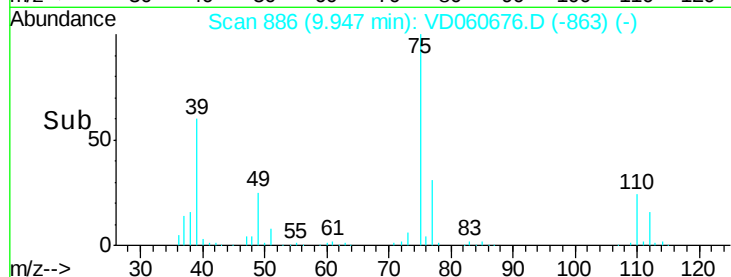
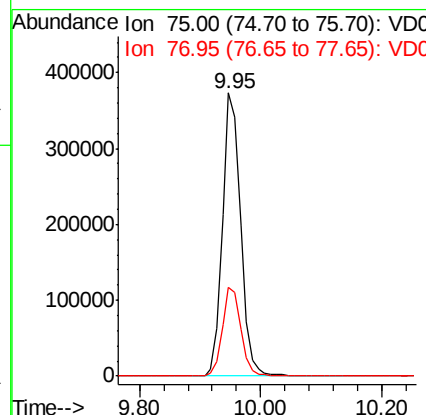
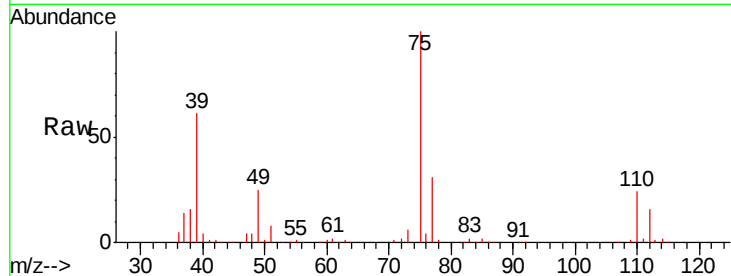
#53
t-1,3-Dichloropropene
Concen: 54.848 ug/l
RT: 9.95 min Scan# 886
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 778809
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0

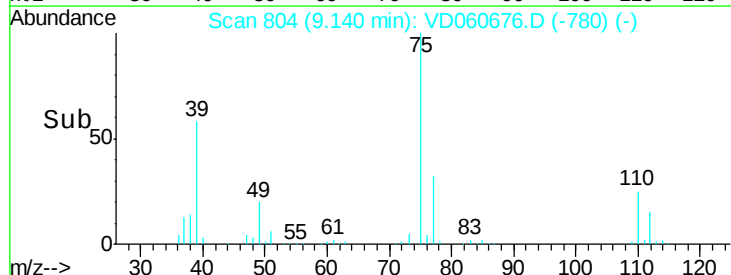
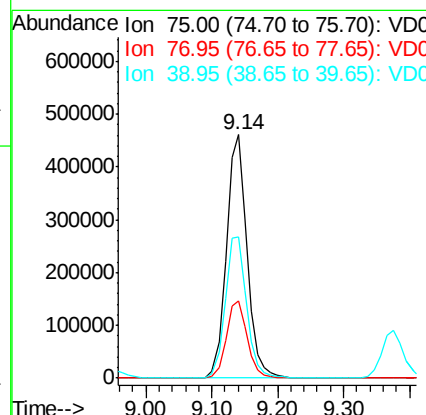
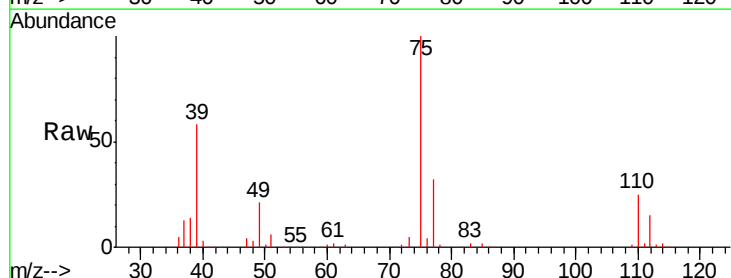
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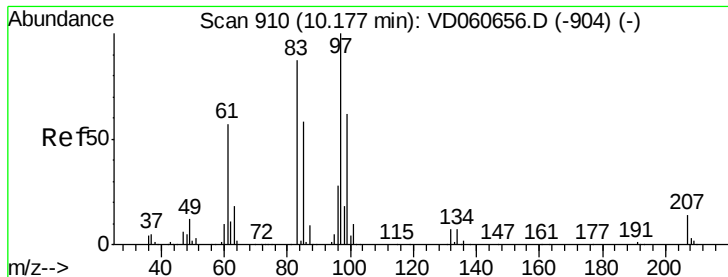
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#54
cis-1,3-Dichloropropene
Concen: 54.205 ug/l
RT: 9.14 min Scan# 804
Delta R.T. 0.04 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 75 Resp: 1007442
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 57.8 47.0 70.4





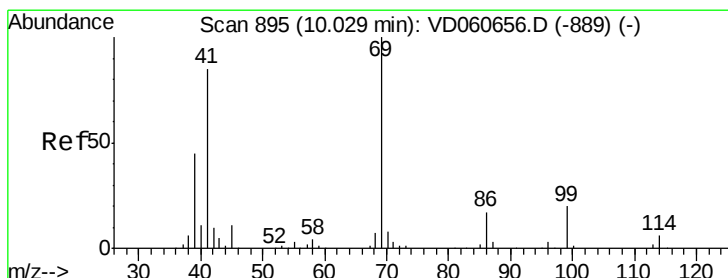
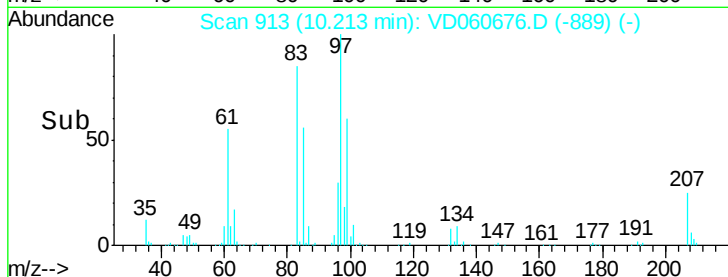
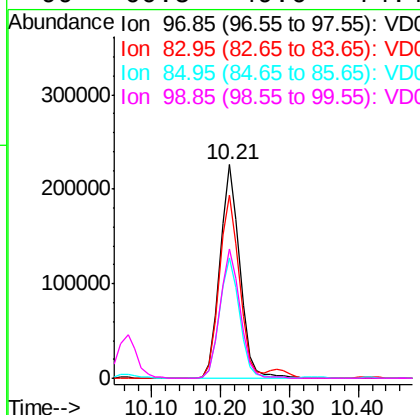
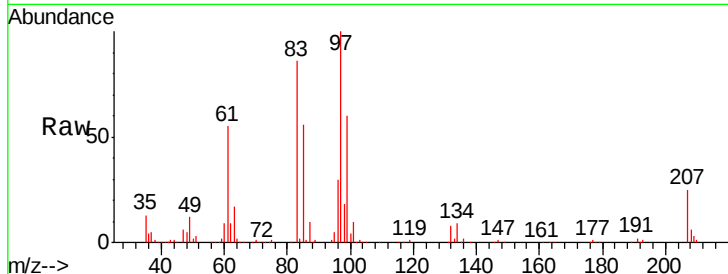
#55
 1,1,2-Trichloroethane
 Concen: 52.334 ug/l
 RT: 10.21 min Scan# 913
 Delta R.T. 0.04 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	453199		
83	85.8	70.0	105.0	
85	56.4	46.6	70.0	
99	60.5	49.6	74.4	

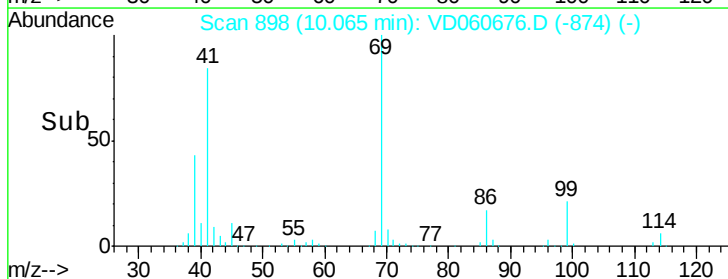
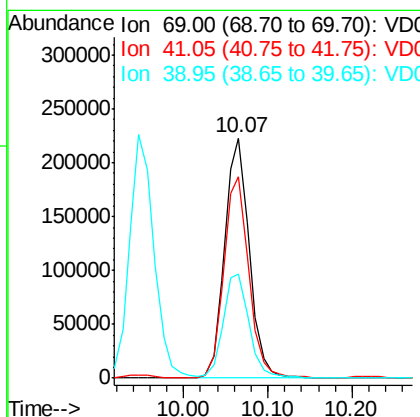
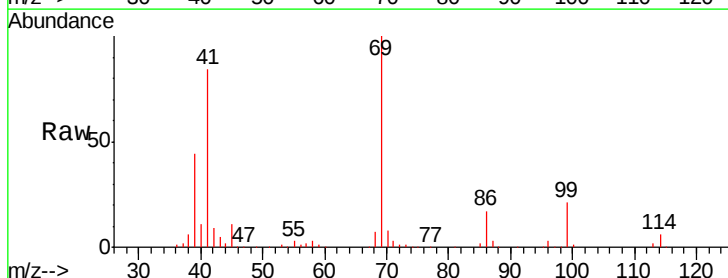
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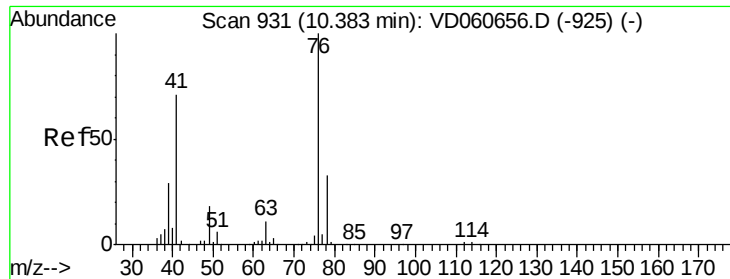
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 12/26/2018 10:57:37 AM



#56
 Ethyl methacrylate
 Concen: 56.105 ug/l
 RT: 10.07 min Scan# 898
 Delta R.T. 0.04 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	451277		
41	83.7	68.3	102.5	
39	43.6	37.2	55.8	





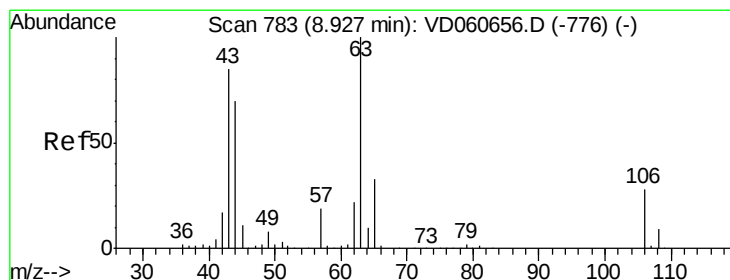
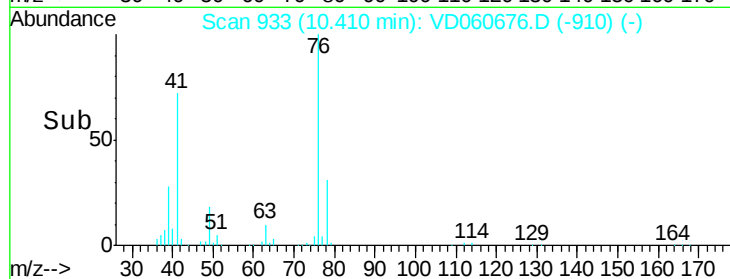
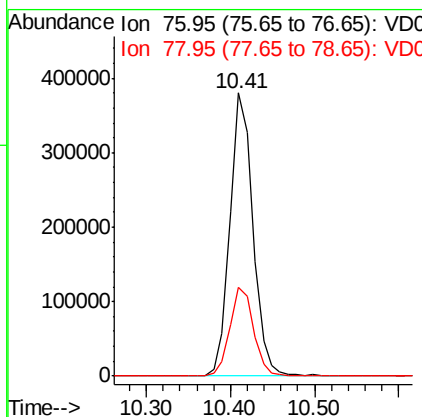
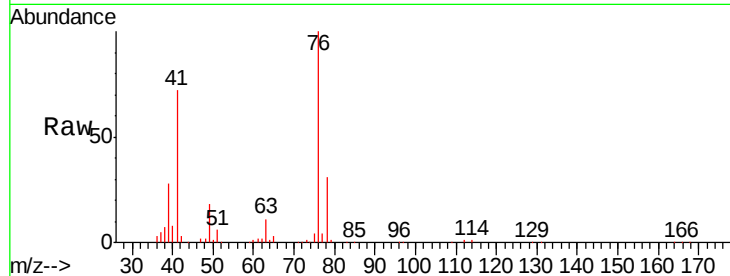
#57
 1,3-Dichloropropane
 Concen: 52.643 ug/l
 RT: 10.41 min Scan# 933
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 722586
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.1 39.1

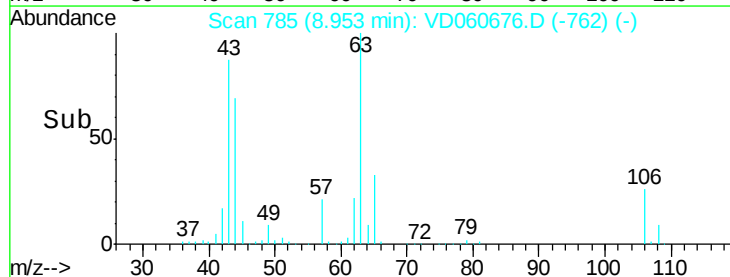
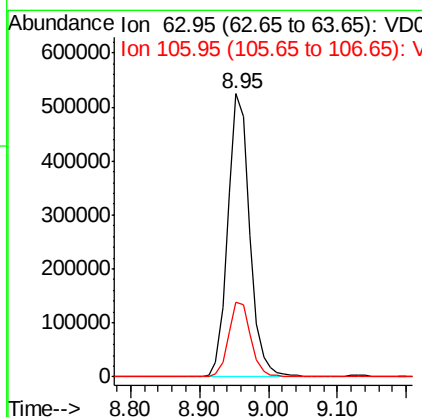
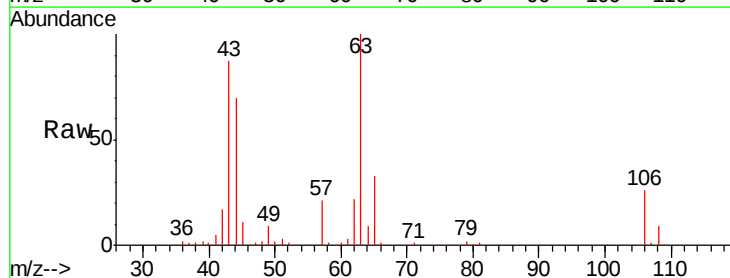
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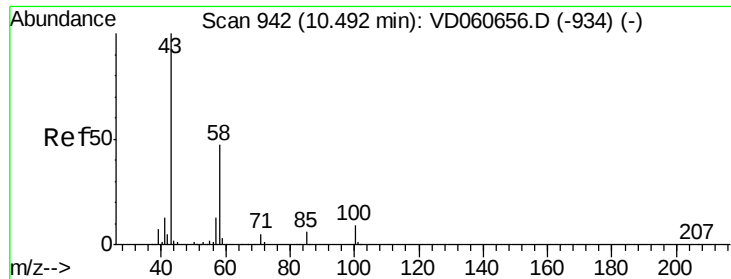
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#58
 2-Chloroethyl Vinyl ether
 Concen: 243.262 ug/l
 RT: 8.95 min Scan# 785
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 63 Resp: 1152908
 Ion Ratio Lower Upper
 63 100
 106 26.4 22.4 33.6





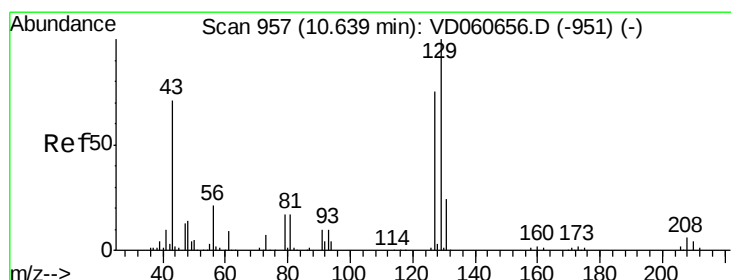
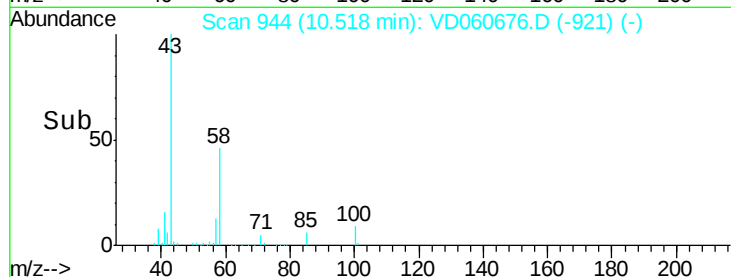
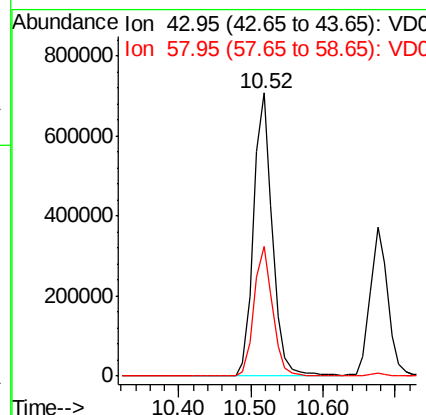
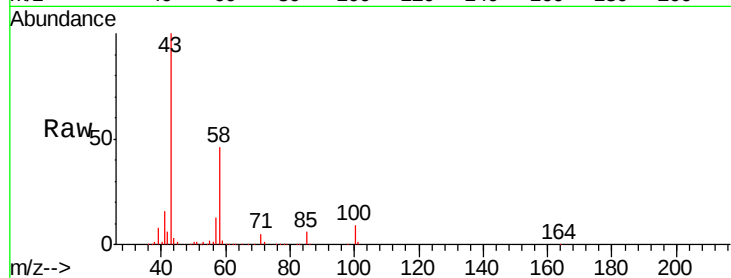
#59
2-Hexanone
Concen: 281.533 ug/l
RT: 10.52 min Scan# 944
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1287934
Ion Ratio Lower Upper
43 100
58 45.8 23.5 70.5

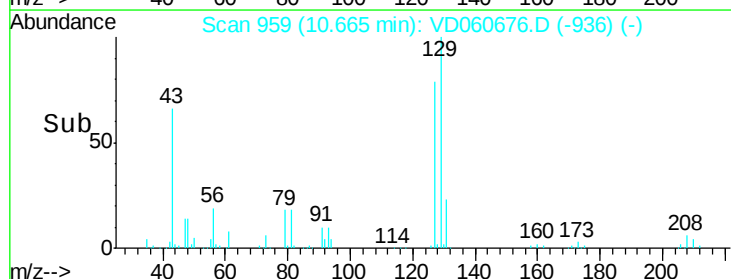
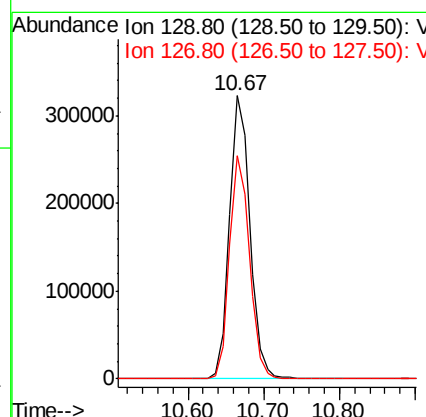
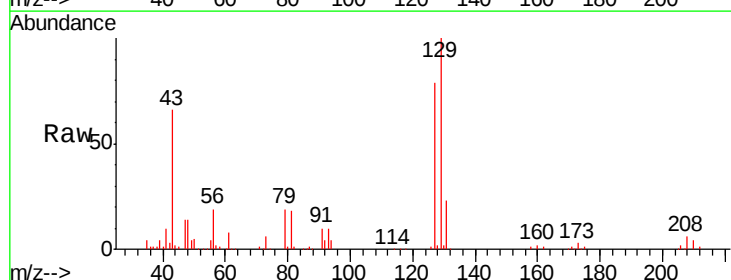
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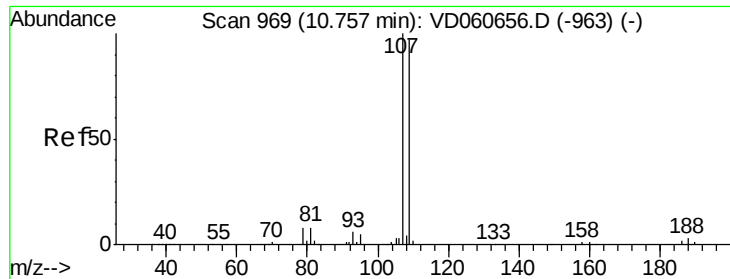
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#60
Dibromochloromethane
Concen: 54.691 ug/l
RT: 10.67 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 129 Resp: 603264
Ion Ratio Lower Upper
129 100
127 78.9 37.6 112.9





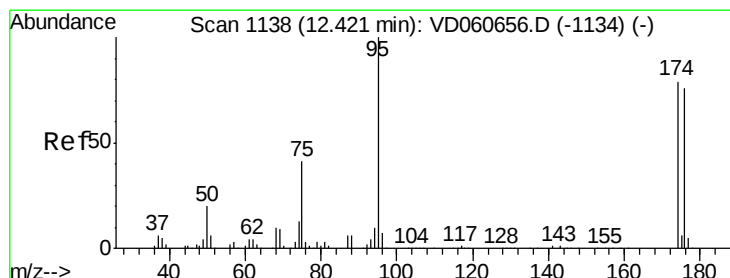
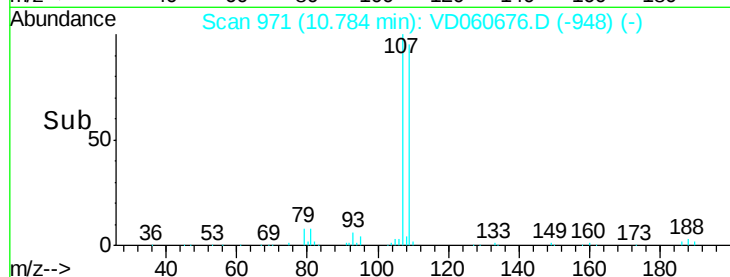
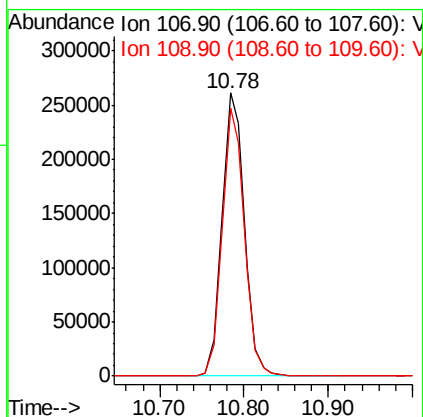
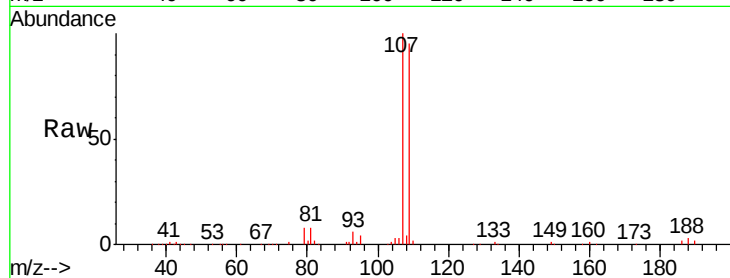
#61
1,2-Dibromoethane
Concen: 53.449 ug/l
RT: 10.78 min Scan# 971
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 480092
Ion Ratio Lower Upper
107 100
109 94.5 78.0 117.0

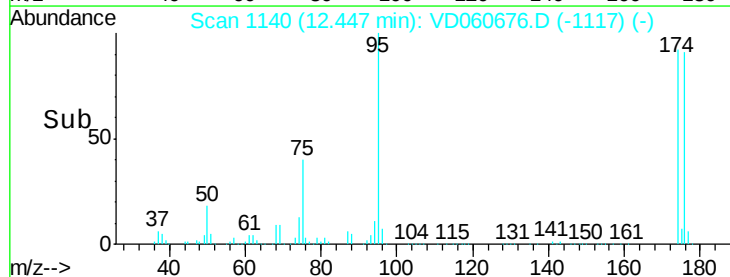
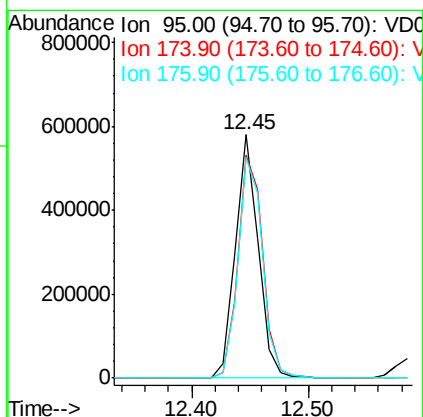
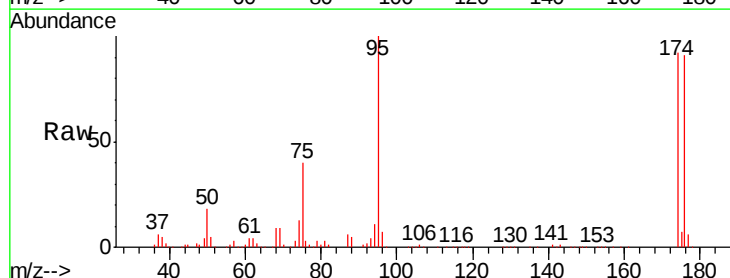
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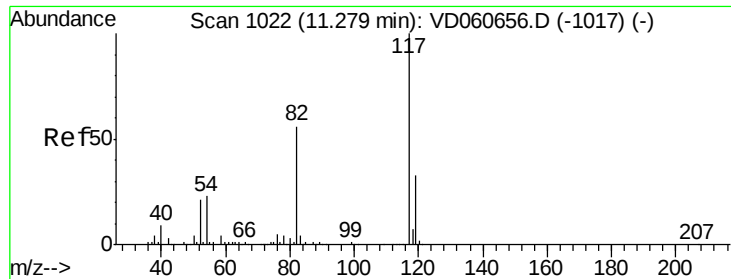
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#62
4-Bromofluorobenzene
Concen: 53.449 ug/l
RT: 12.45 min Scan# 1140
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 95 Resp: 785819
Ion Ratio Lower Upper
95 100
174 91.9 0.0 158.2
176 90.5 0.0 152.4





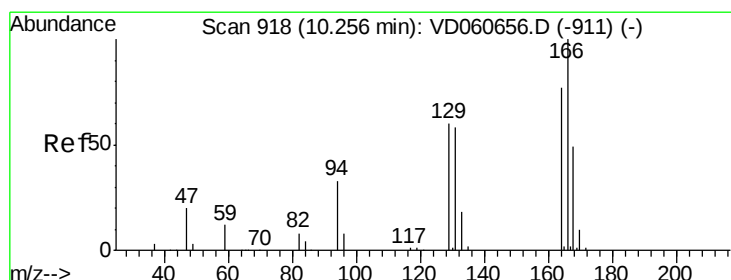
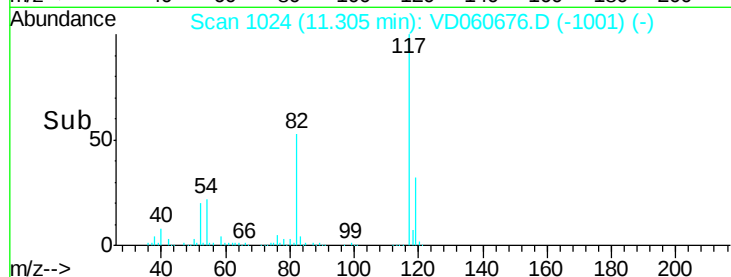
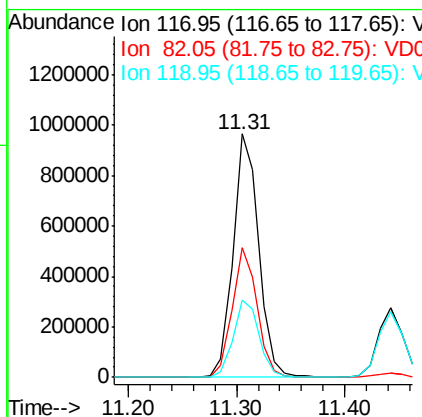
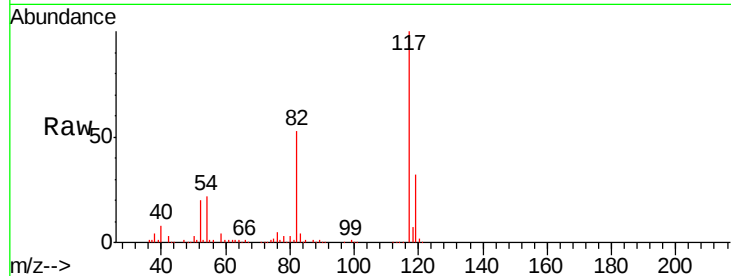
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1584461
Ion Ratio Lower Upper
117 100
82 53.3 44.5 66.7
119 31.6 26.3 39.5

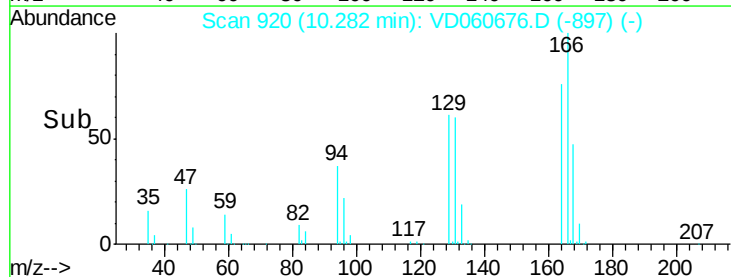
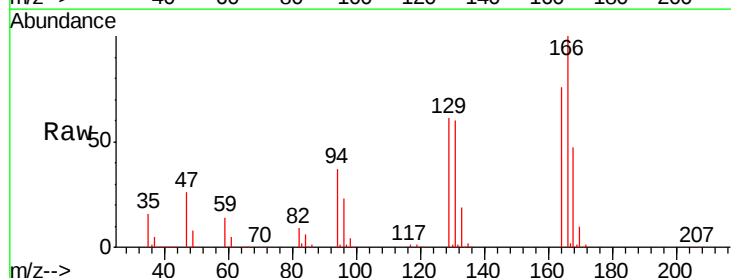
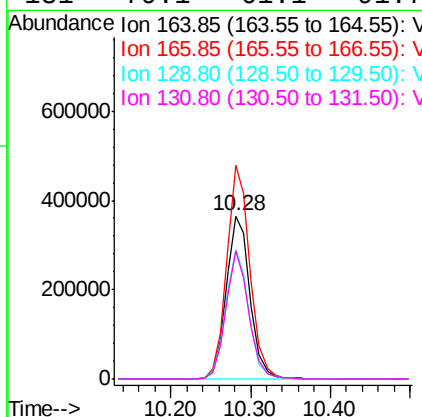
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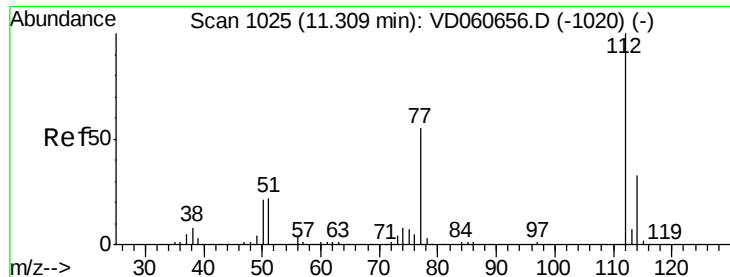
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#64
Tetrachloroethene
Concen: 52.865 ug/l
RT: 10.28 min Scan# 920
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:164 Resp: 759188
Ion Ratio Lower Upper
164 100
166 131.3 104.4 156.6
129 79.7 62.7 94.1
131 79.1 61.1 91.7





#65

Chlorobenzene

Concen: 51.067 ug/l

RT: 11.33 min Scan# 1027

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1787658

Ion Ratio Lower Upper

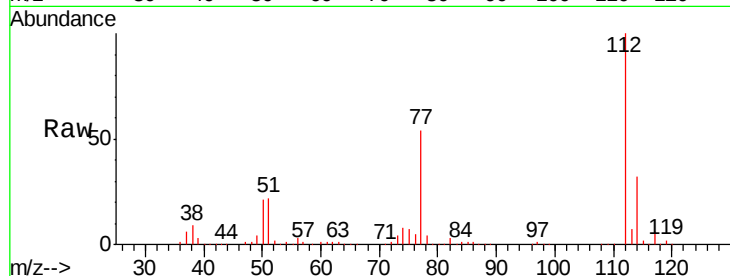
112 100

114 32.1 26.1 39.1

Manual Integrations
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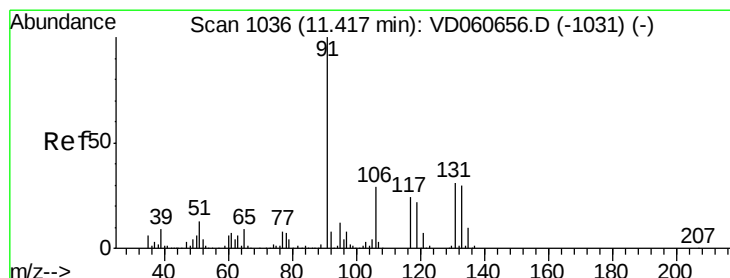
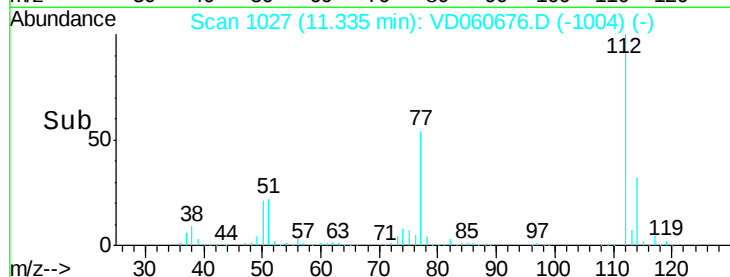
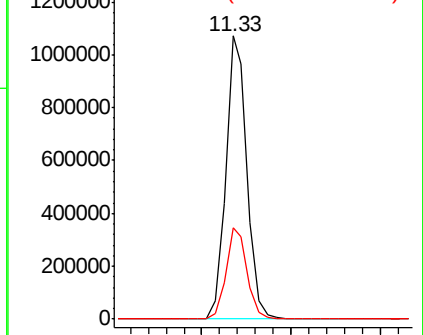
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.729 ug/l

RT: 11.44 min Scan# 1038

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

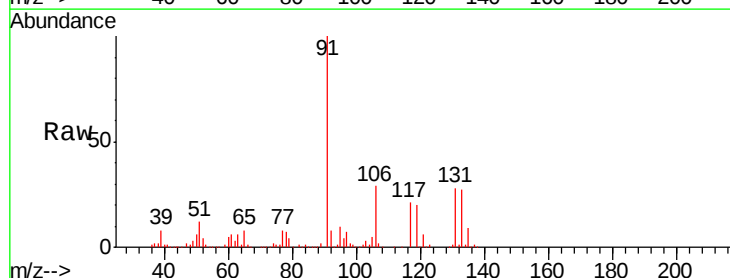
Tgt Ion:131 Resp: 604754

Ion Ratio Lower Upper

131 100

133 97.4 49.1 147.3

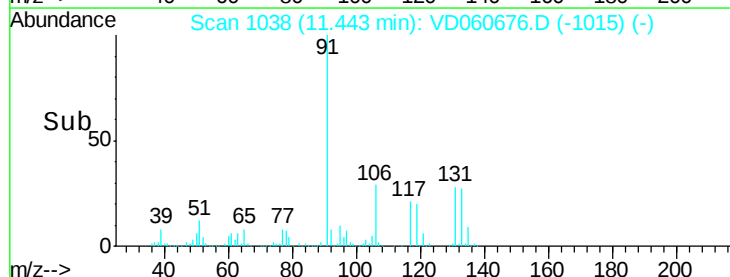
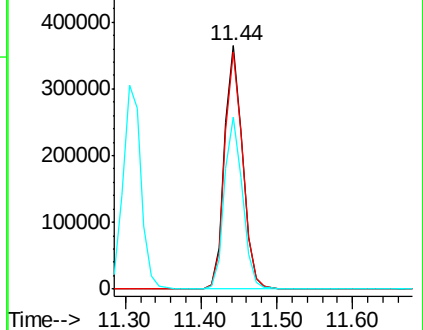
119 70.8 36.6 109.8

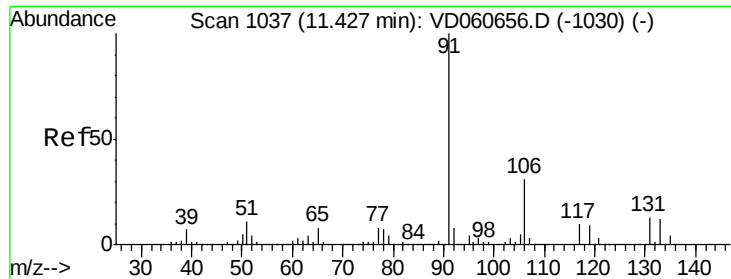


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





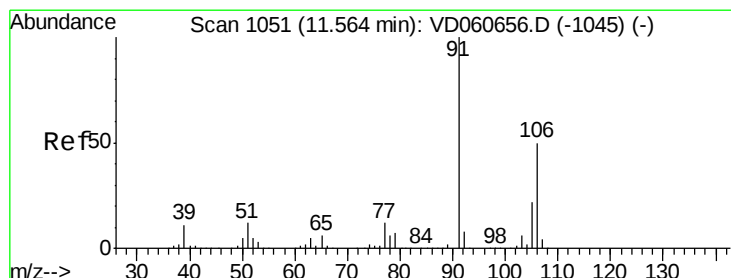
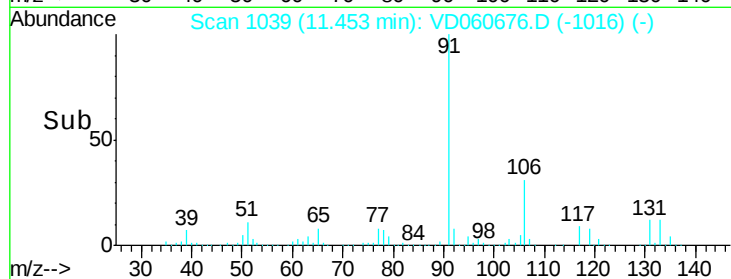
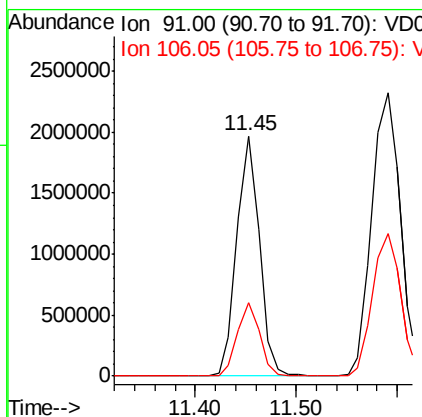
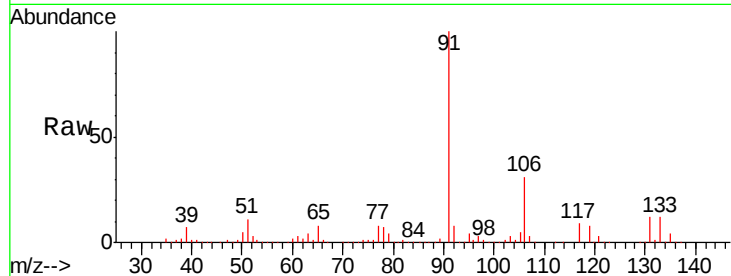
#67
Ethyl Benzene
Concen: 51.308 ug/l
RT: 11.45 min Scan# 1039
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 3076047
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

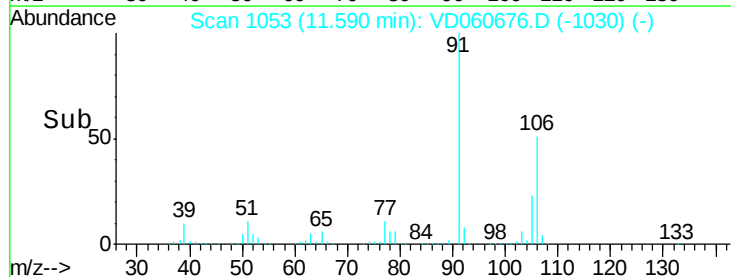
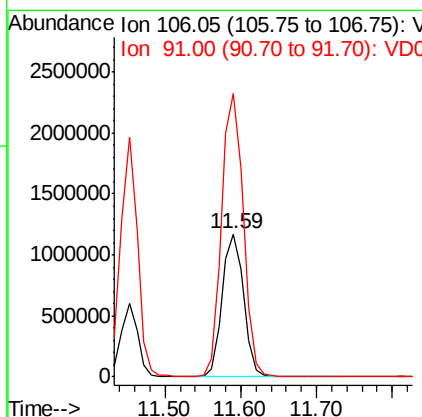
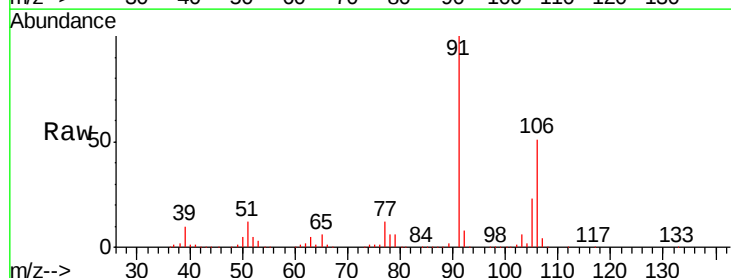
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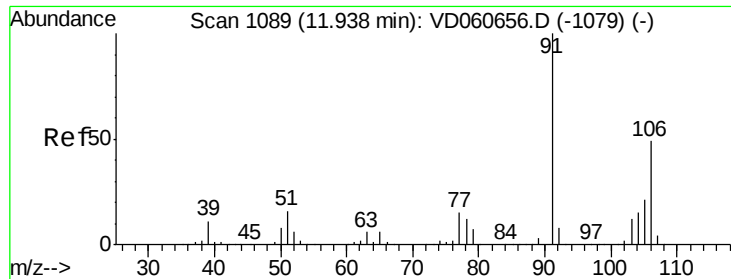
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#68
m/p-Xylenes
Concen: 105.193 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 106 Resp: 2304752
Ion Ratio Lower Upper
106 100
91 197.8 158.9 238.3





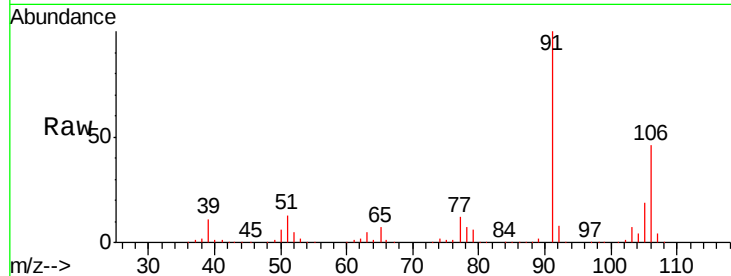
#69
o-Xylene
Concen: 51.723 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

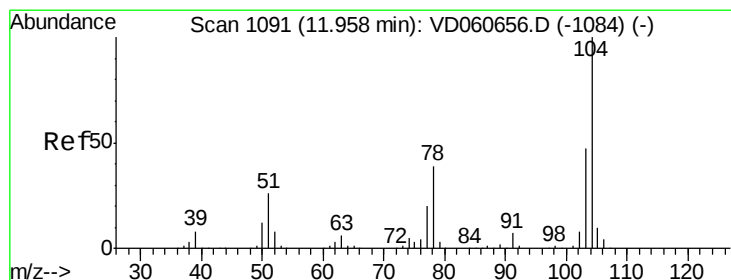
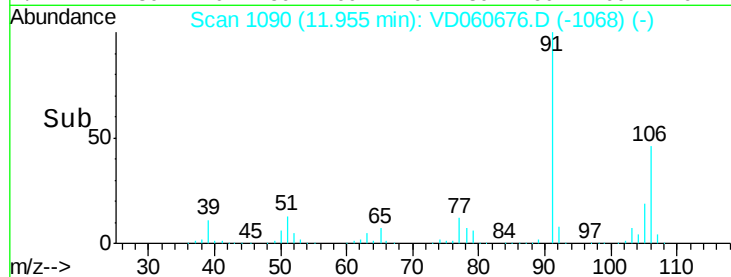
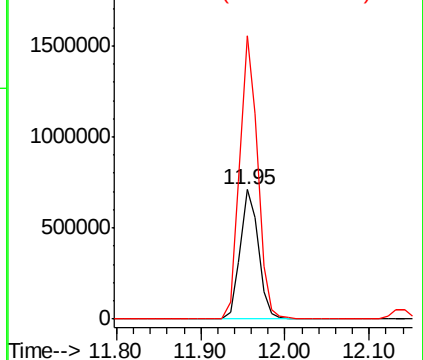
Tgt Ion:106 Resp: 1075144
Ion Ratio Lower Upper
106 100
91 218.6 101.5 304.5

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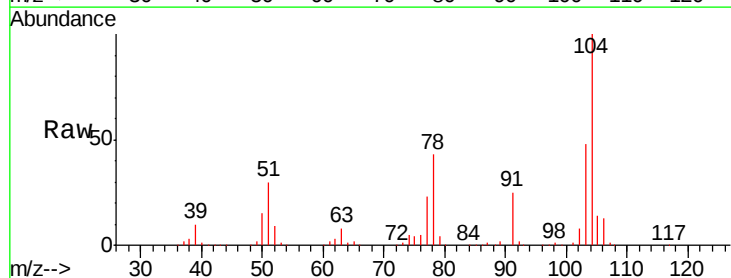


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

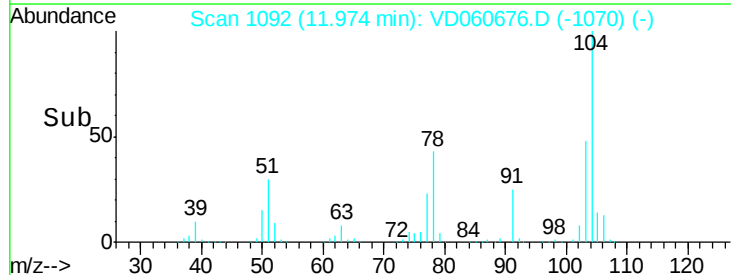
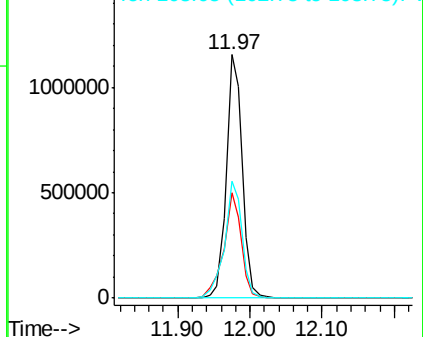


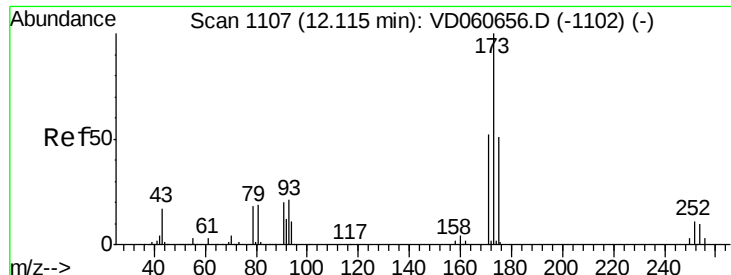
#70
Styrene
Concen: 52.710 ug/l
RT: 11.97 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:104 Resp: 1764630
Ion Ratio Lower Upper
104 100
78 43.2 31.4 47.2
103 48.0 37.5 56.3



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





#71

Bromoform

Concen: 55.466 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

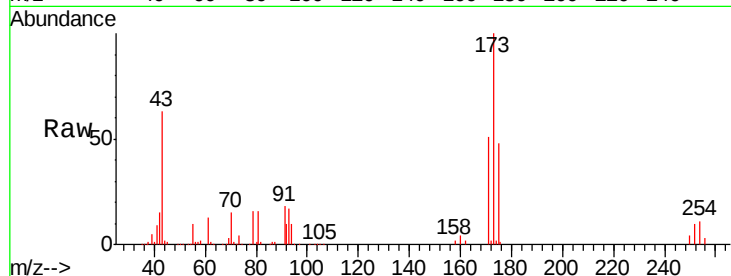
ClientSampleId :

VSTDCCC050

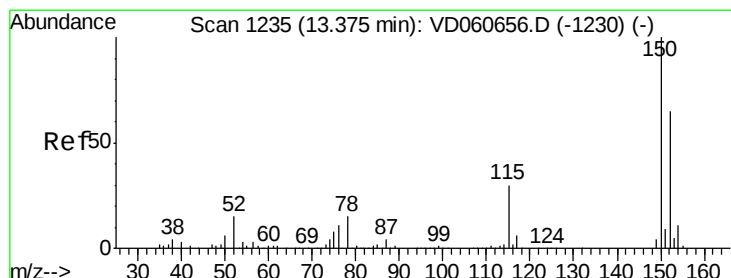
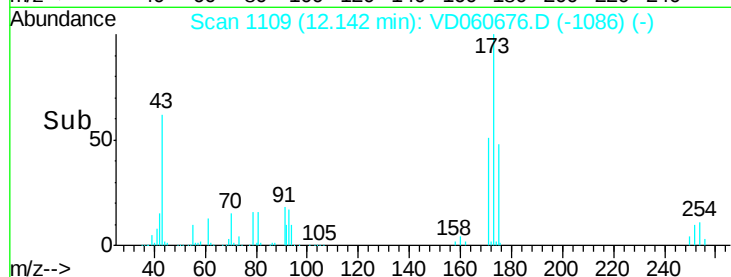
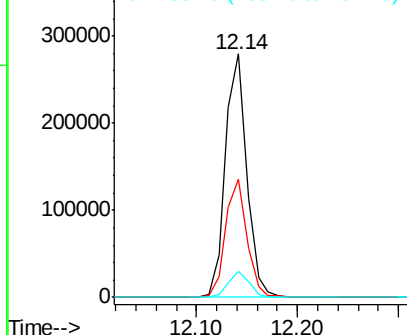
Tgt Ion:	173	Resp:	412103
Ion Ratio	Lower	Upper	
173	100		
175	48.3	25.5	76.5
254	10.6	7.9	11.9

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

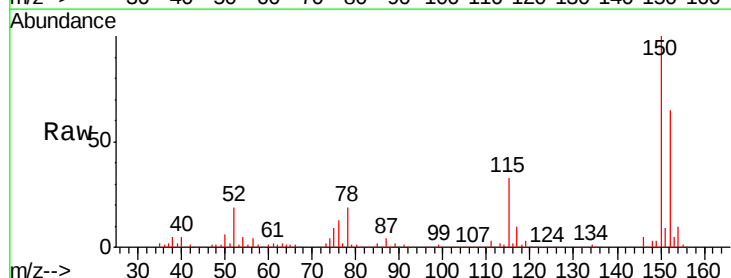
RT: 13.39 min Scan# 1236

Delta R.T. 0.02 min

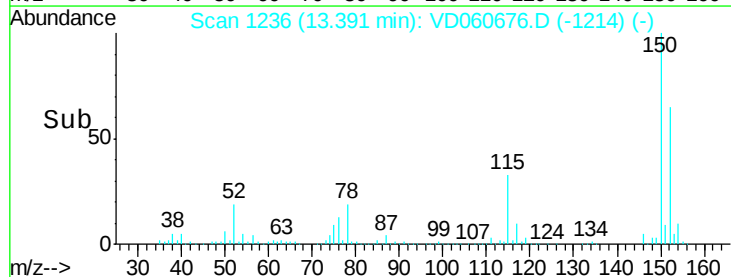
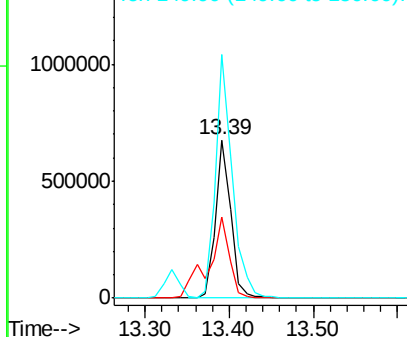
Lab File: VD060676.D

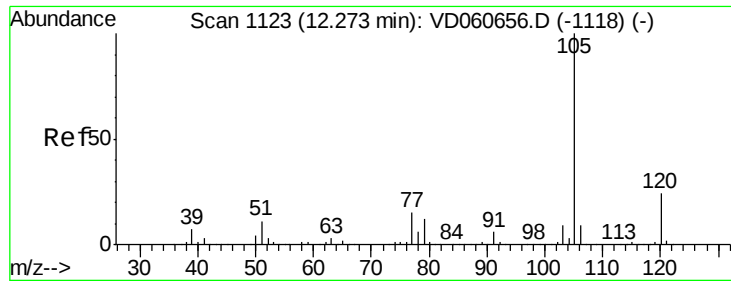
Acq: 21 Dec 2018 11:19

Tgt Ion:	152	Resp:	849073
Ion Ratio	Lower	Upper	
152	100		
115	50.9	24.1	72.3
150	153.8	0.0	315.0



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





#73

Isopropylbenzene

Concen: 49.991 ug/l

RT: 12.30 min Scan# 1125

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 3022089

Ion Ratio Lower Upper

105 100

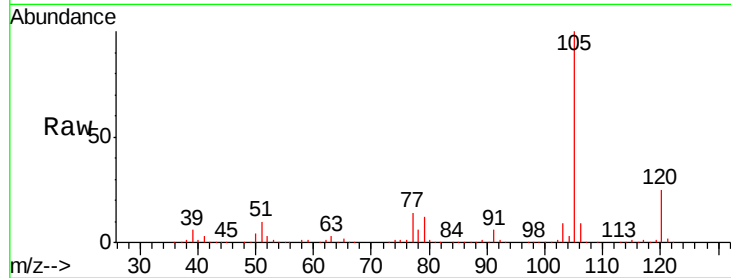
120 24.8 12.2 36.4

Manual Integrations

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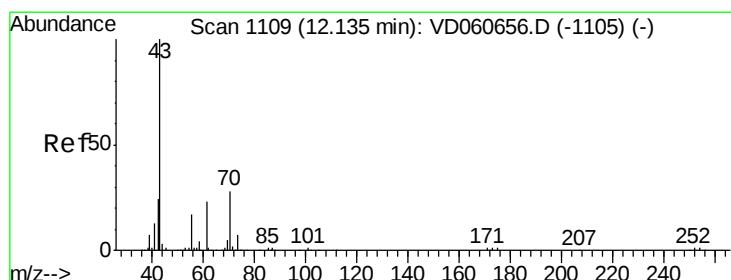
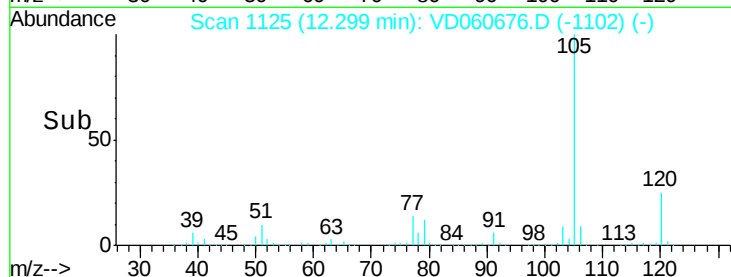
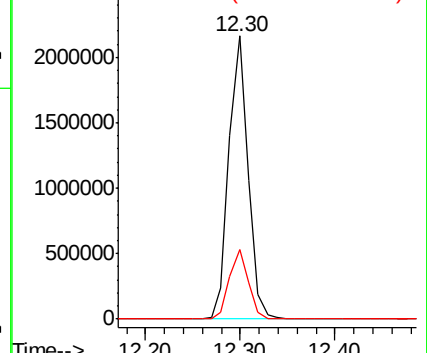
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.240 ug/l

RT: 12.15 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Tgt Ion: 43 Resp: 731070

Ion Ratio Lower Upper

43 100

70 27.5 22.2 33.2

55 17.6 13.8 20.8

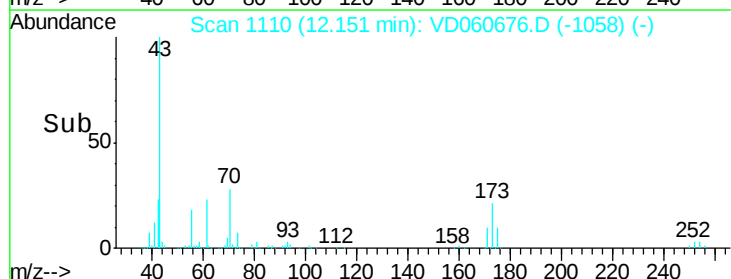
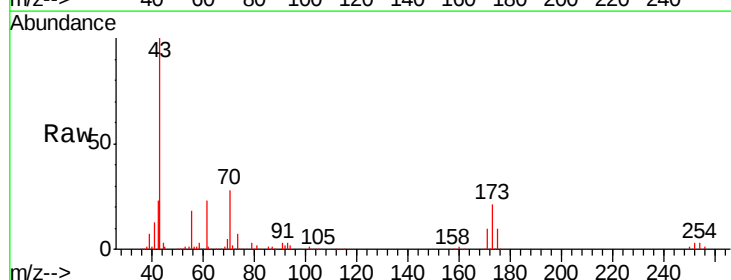
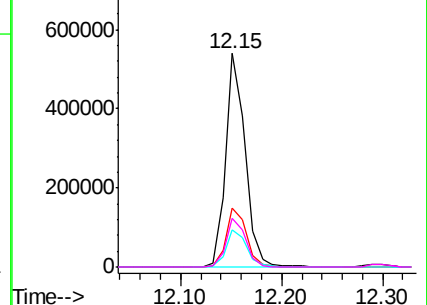
61 22.6 18.2 27.2

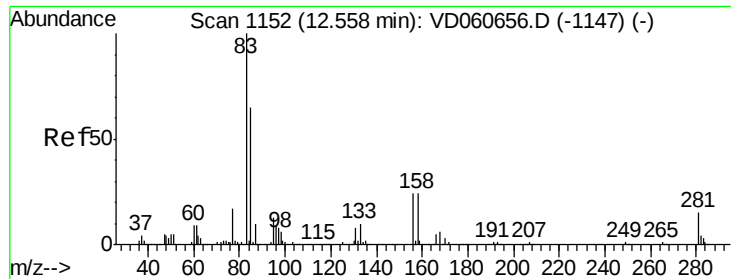
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.436 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

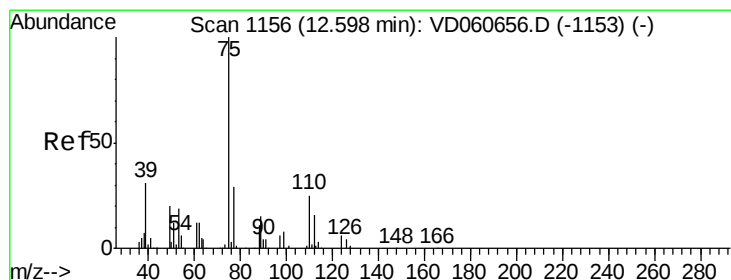
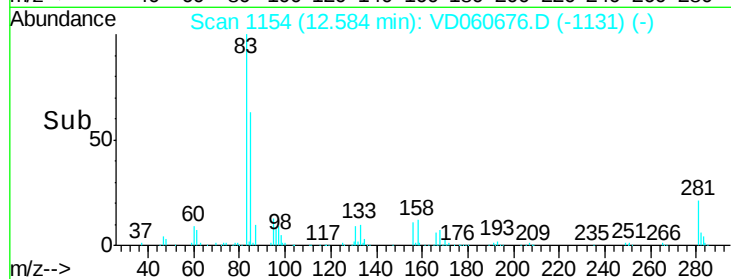
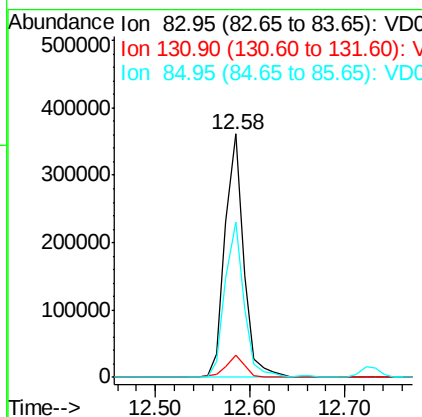
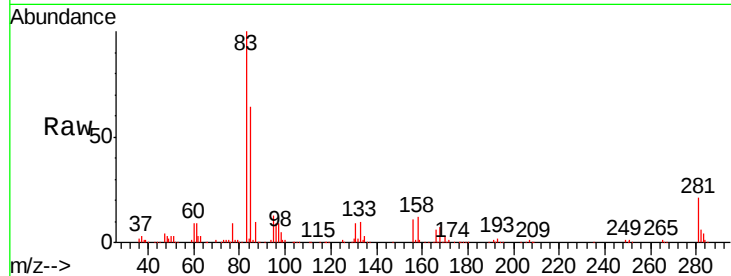
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	494209
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.2	12.4
85	63.5	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 50.981 ug/l

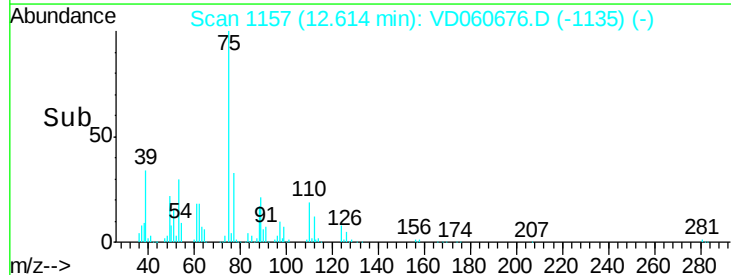
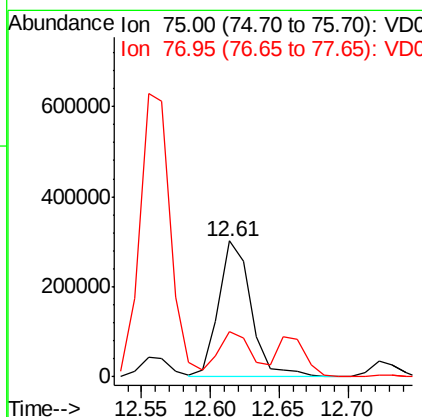
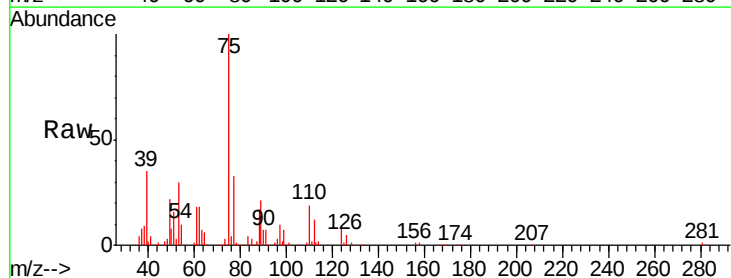
RT: 12.61 min Scan# 1157

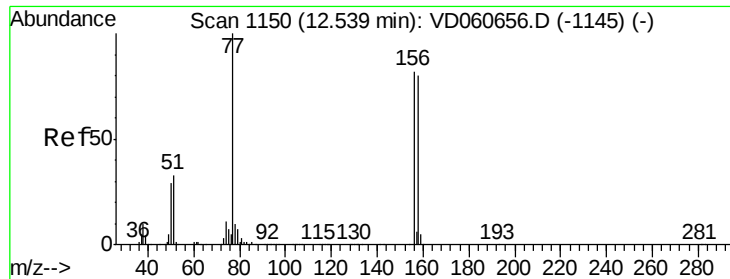
Delta R.T. 0.02 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Tgt Ion:	75	Resp:	492809
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.7	50.0





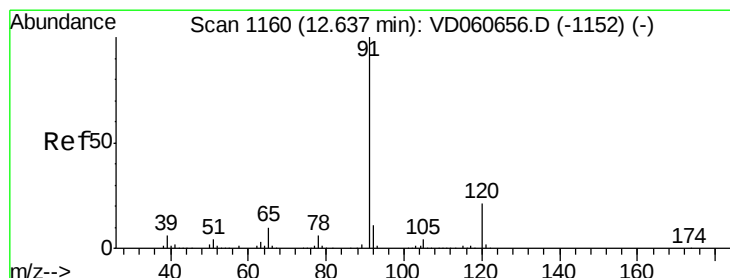
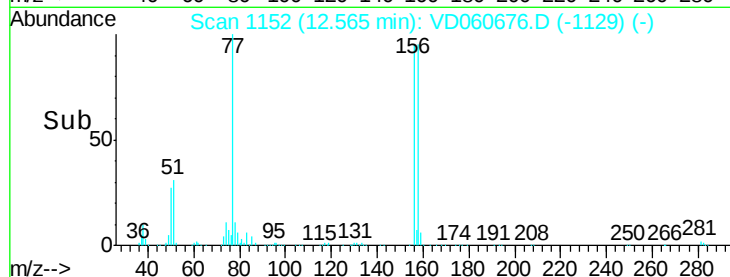
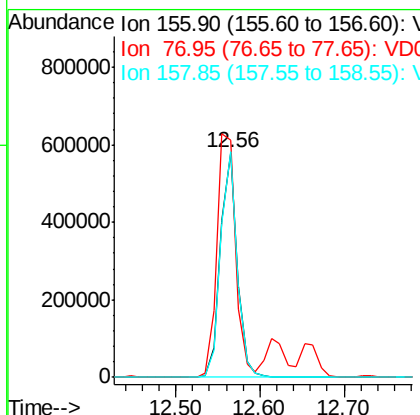
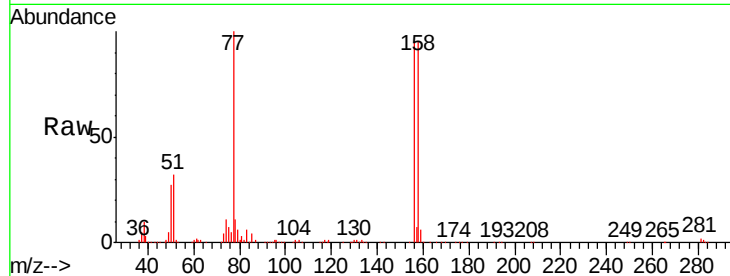
#77
Bromobenzene
Concen: 50.549 ug/l
RT: 12.56 min Scan# 1152
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	105.6	61.3	183.9
158	100.2	48.9	146.6

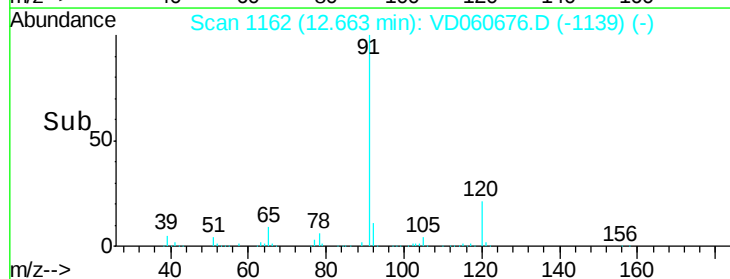
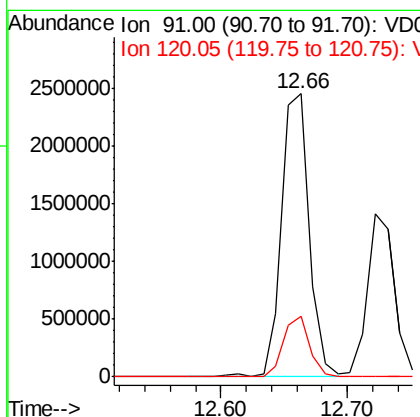
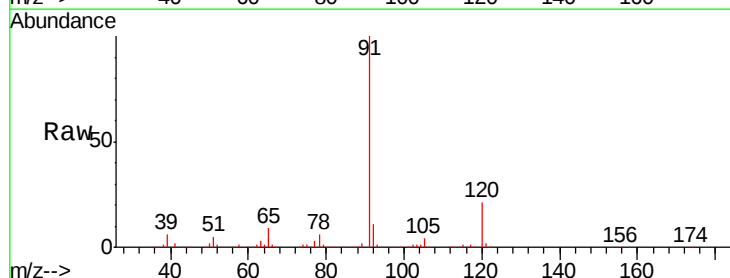
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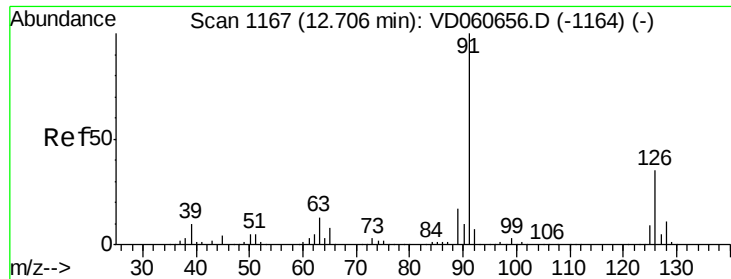
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#78
n-propylbenzene
Concen: 48.507 ug/l
RT: 12.66 min Scan# 1162
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.4	31.2





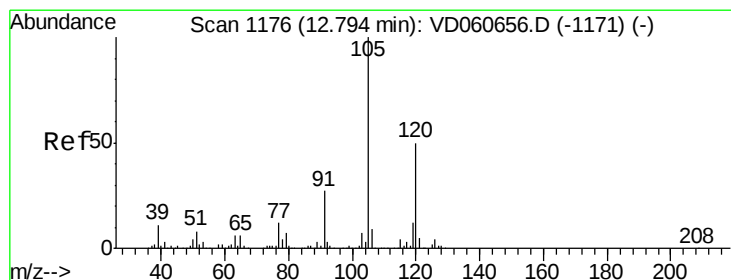
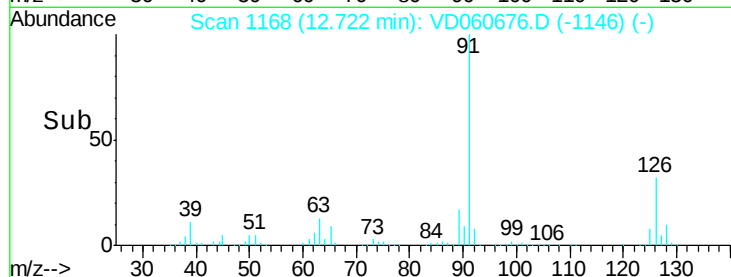
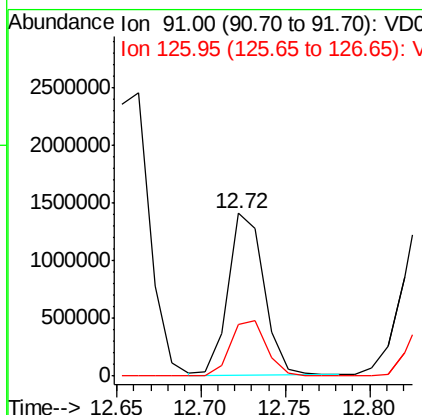
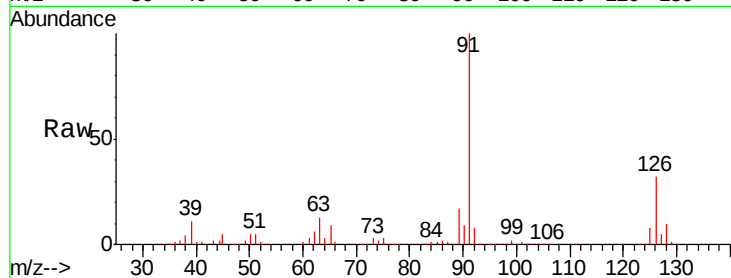
#79
 2-Chlorotoluene
 Concen: 49.981 ug/l
 RT: 12.72 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 2068948
 Ion Ratio Lower Upper
 91 100
 126 31.5 17.2 51.5

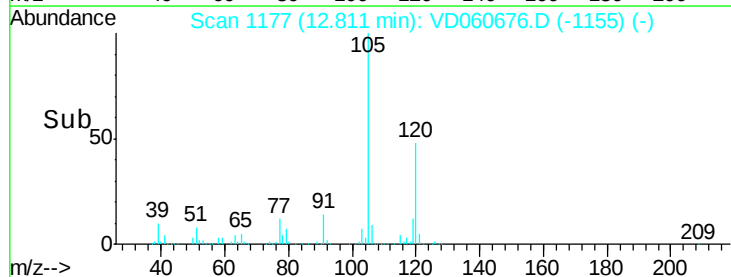
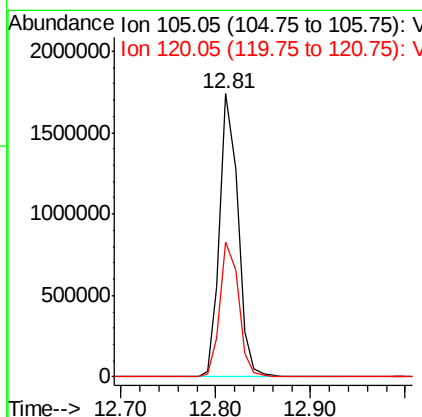
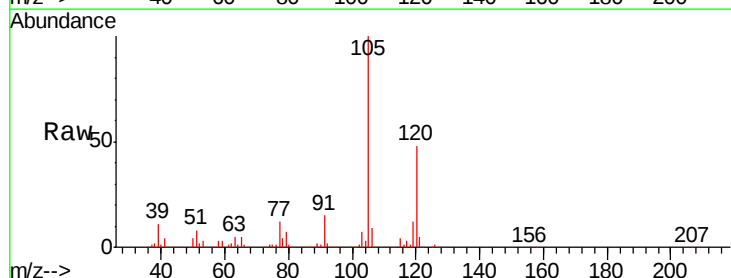
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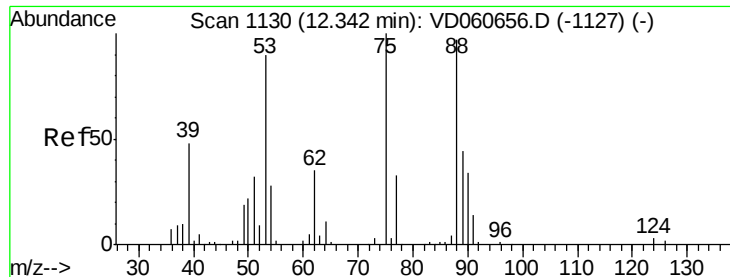
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.102 ug/l
 RT: 12.81 min Scan# 1177
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 105 Resp: 2338814
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 53.576 ug/l

RT: 12.37 min Scan# 1132

Delta R.T. 0.03 min

Lab File: VD060676.D

Acq: 21 Dec 2018 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 143107
Ion Ratio Lower Upper

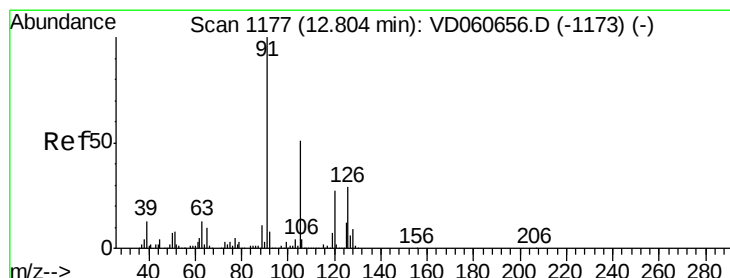
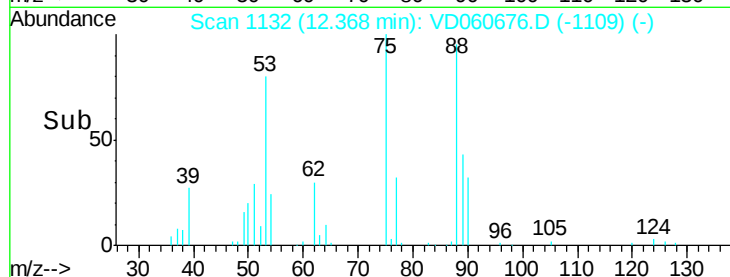
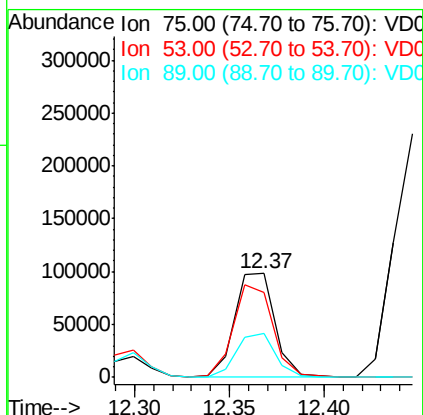
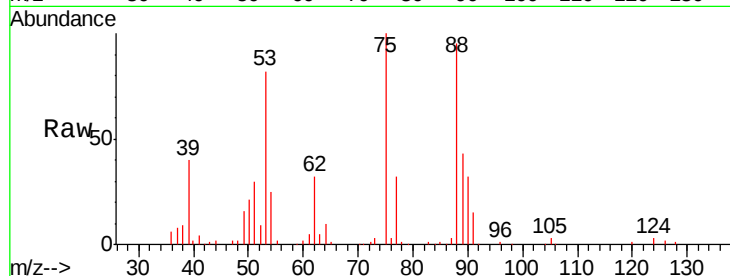
75 100

53 81.8 72.1 108.1

89 42.6 35.1 52.7

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#82

4-Chlorotoluene

Concen: 48.589 ug/l

RT: 12.83 min Scan# 1179

Delta R.T. 0.03 min

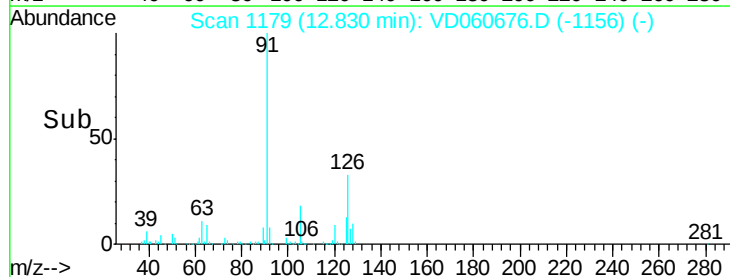
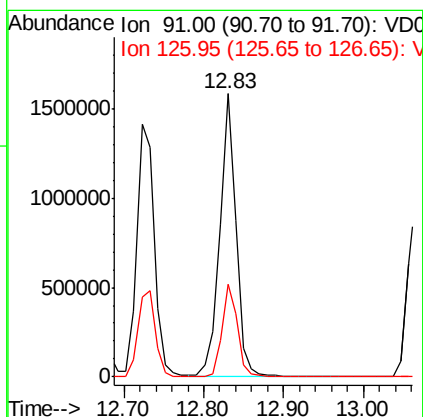
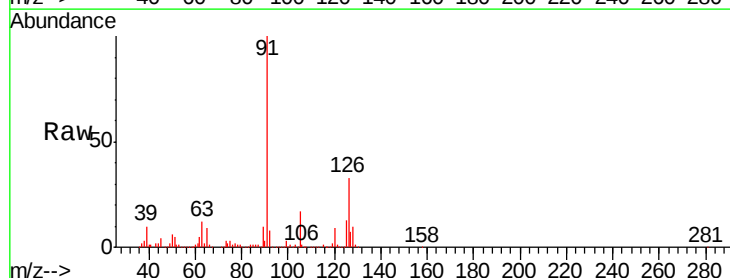
Lab File: VD060676.D

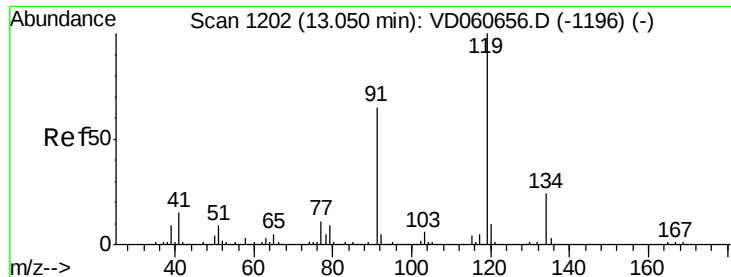
Acq: 21 Dec 2018 11:19

Tgt Ion: 91 Resp: 2279713
Ion Ratio Lower Upper

91 100

126 32.8 14.6 43.8





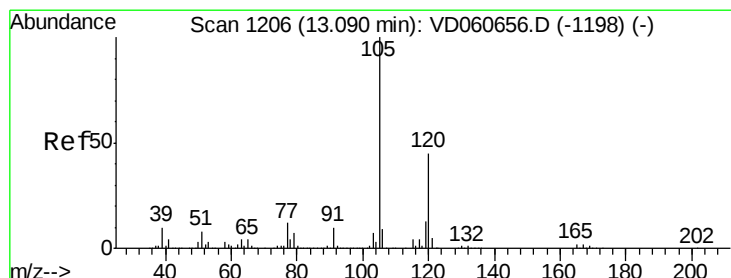
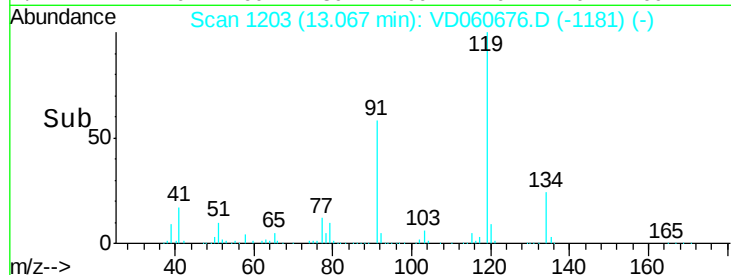
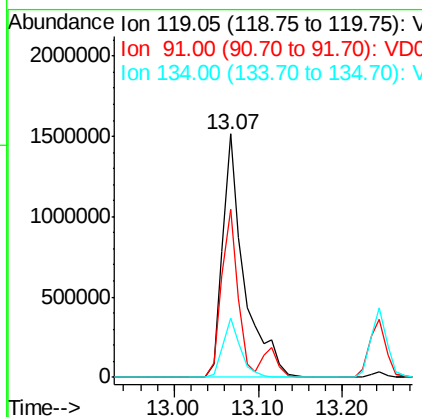
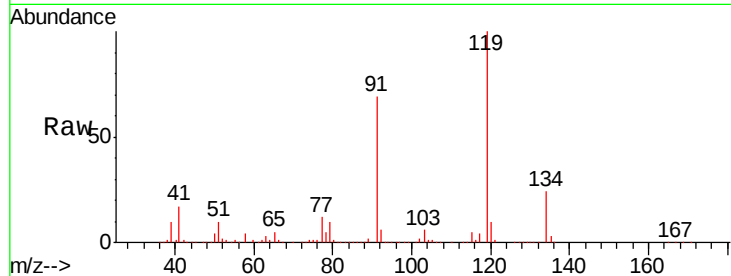
#83
tert-Butylbenzene
Concen: 50.950 ug/l
RT: 13.07 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 2706751
Ion Ratio Lower Upper
119 100
91 68.9 32.5 97.4
134 24.3 11.9 35.9

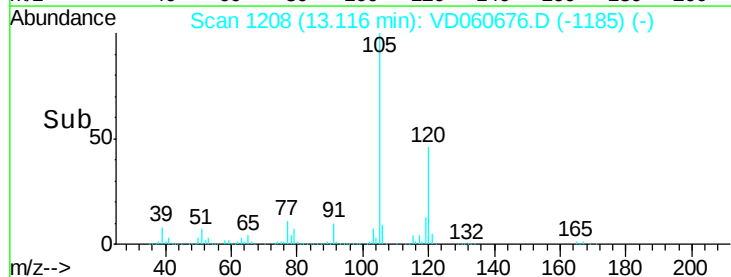
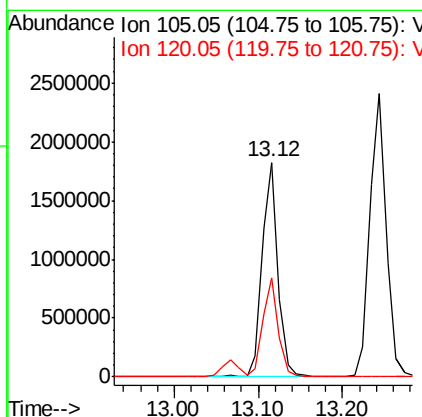
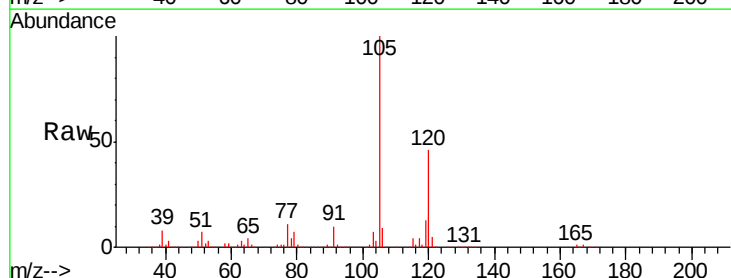
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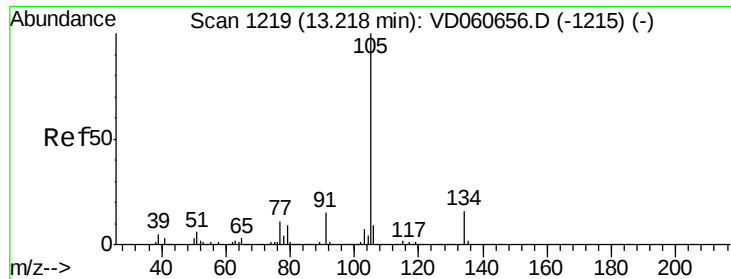
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#84
1,2,4-Trimethylbenzene
Concen: 50.468 ug/l
RT: 13.12 min Scan# 1208
Delta R.T. 0.03 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion:105 Resp: 2426436
Ion Ratio Lower Upper
105 100
120 46.2 22.4 67.0





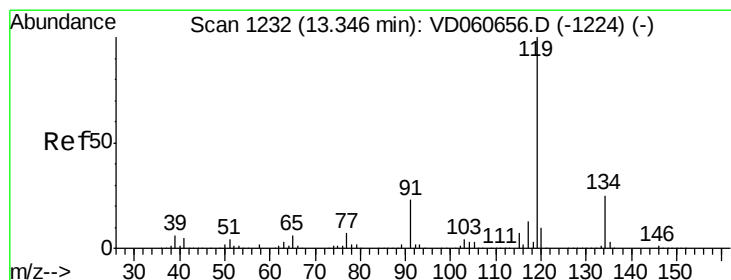
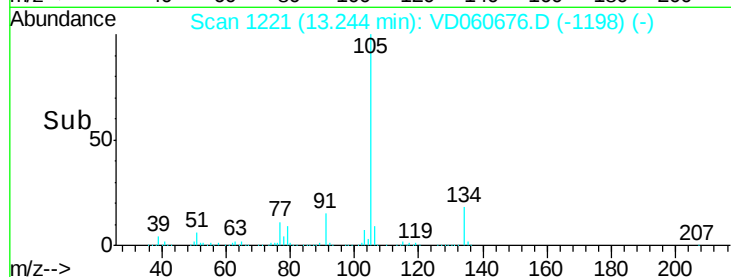
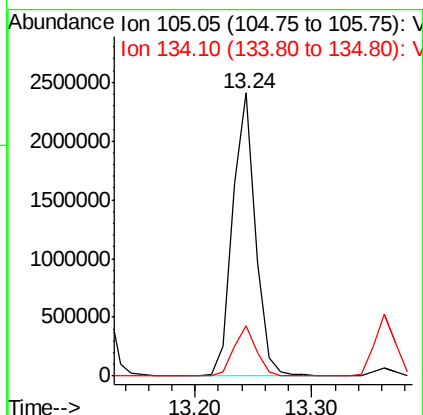
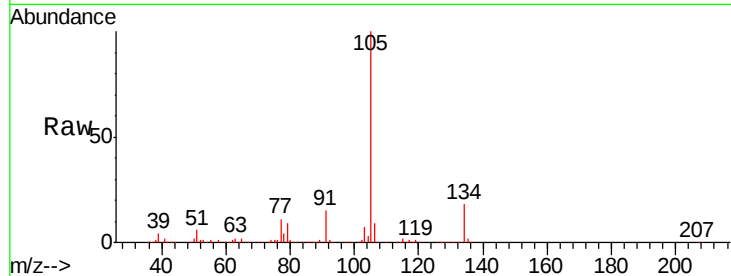
#85
 sec-Butylbenzene
 Concen: 49.843 ug/l
 RT: 13.24 min Scan# 1221
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 3229297
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.2 24.4

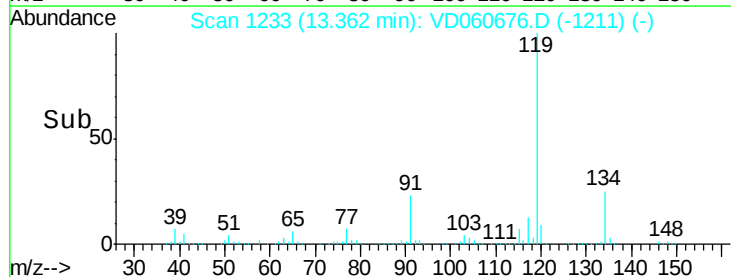
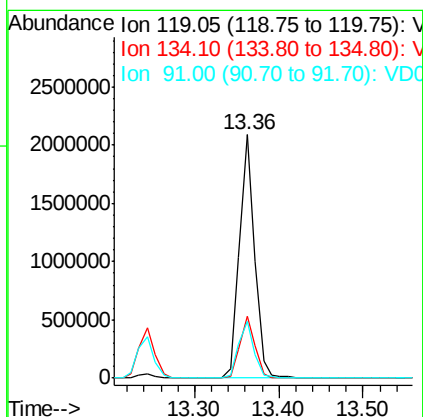
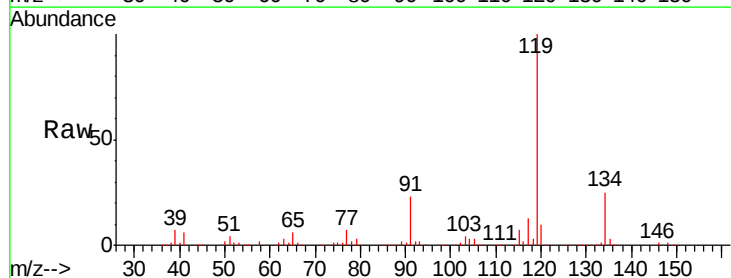
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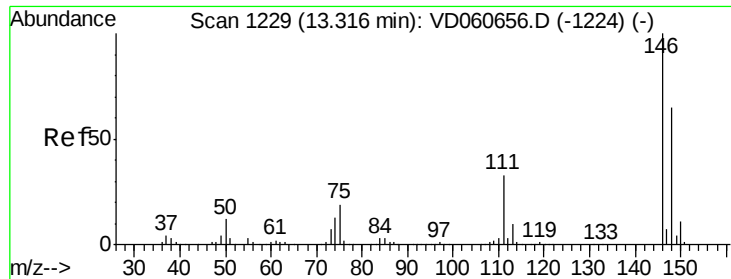
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#86
 p-Isopropyltoluene
 Concen: 50.025 ug/l
 RT: 13.36 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion:119 Resp: 2616248
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 23.1 11.4 34.2





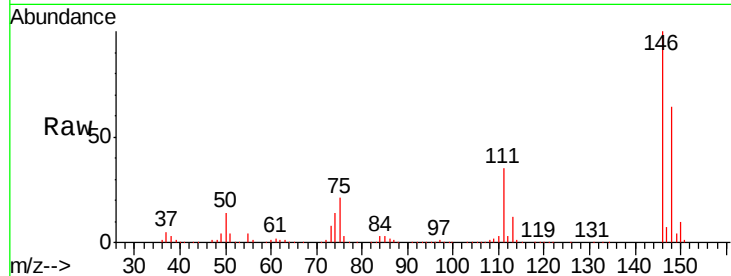
#87
 1,3-Dichlorobenzene
 Concen: 50.295 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

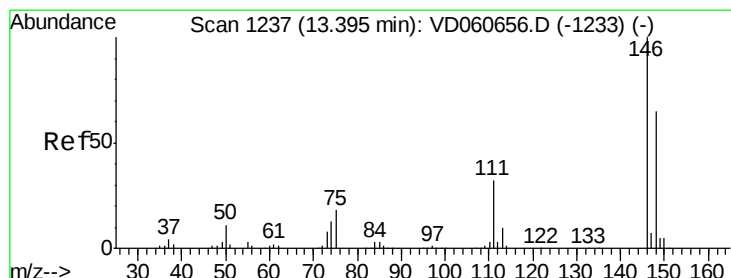
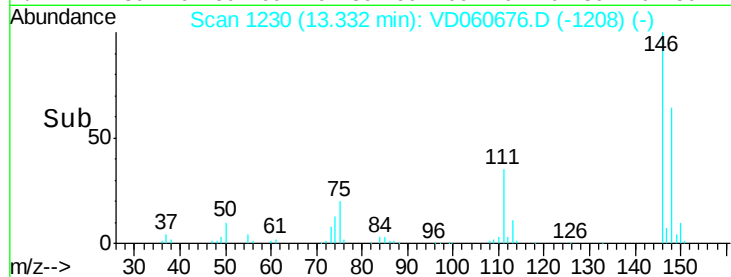
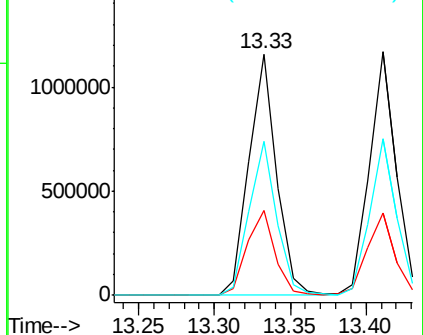
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	16.6	49.8
148	63.8	32.6	97.8

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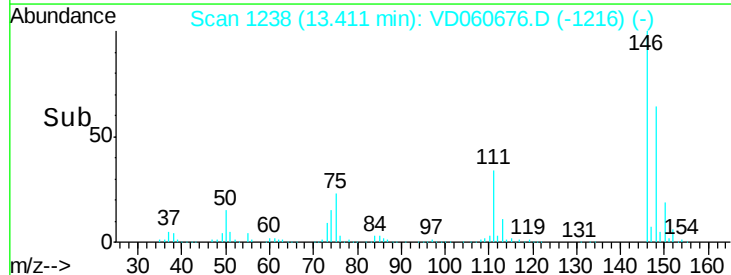
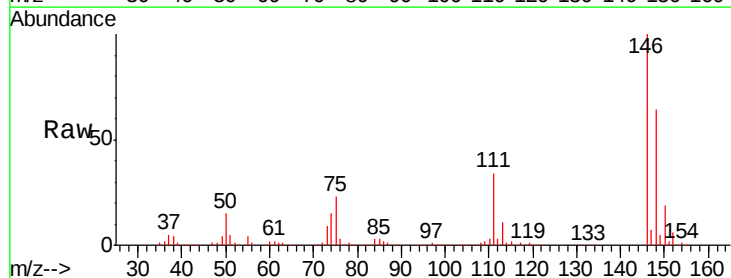
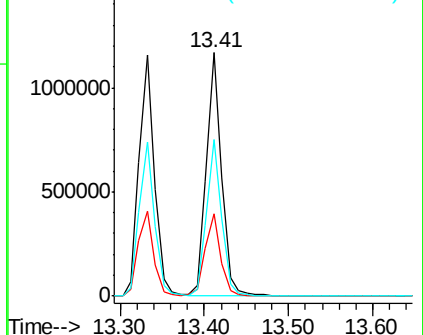
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

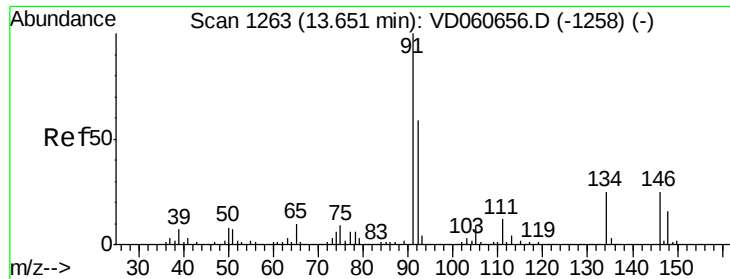


#88
 1,4-Dichlorobenzene
 Concen: 50.776 ug/l
 RT: 13.41 min Scan# 1238
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.1	16.2	48.5
148	64.5	32.7	98.1

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





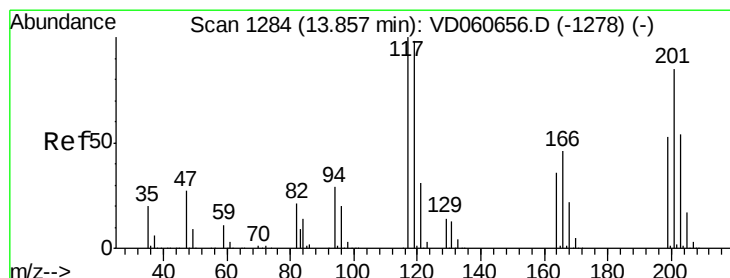
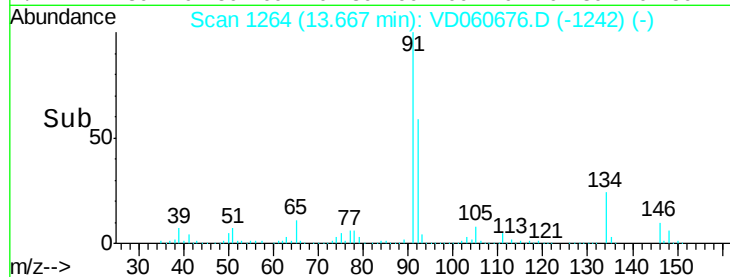
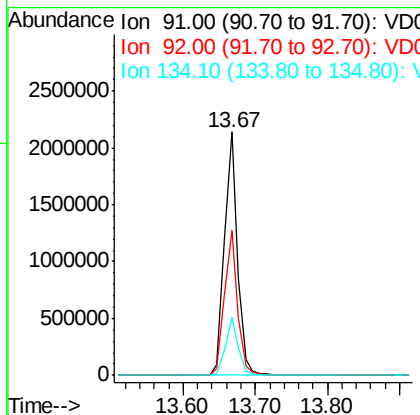
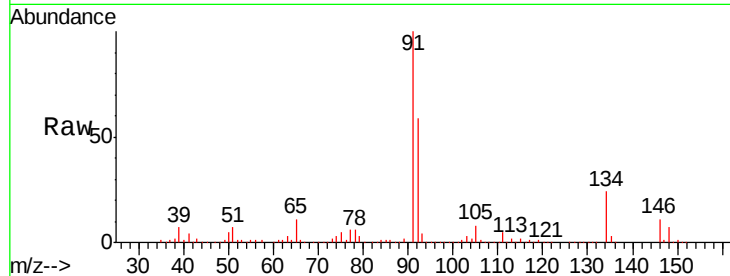
#89
n-Butylbenzene
Concen: 49.852 ug/l
RT: 13.67 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2664292
Ion Ratio Lower Upper
91 100
92 59.4 29.7 89.1
134 23.9 12.7 38.1

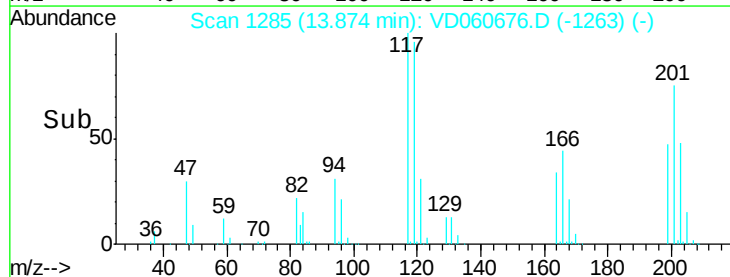
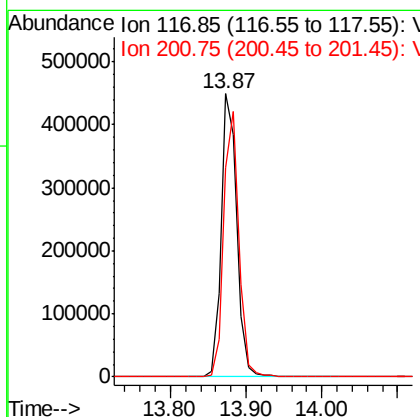
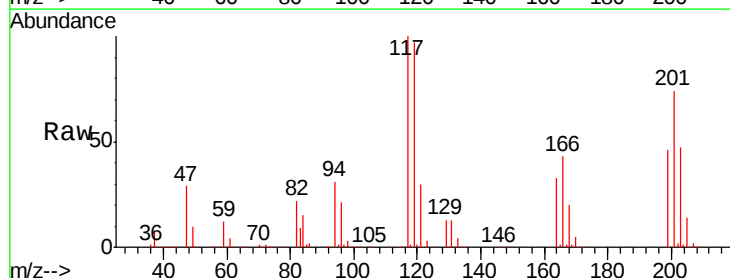
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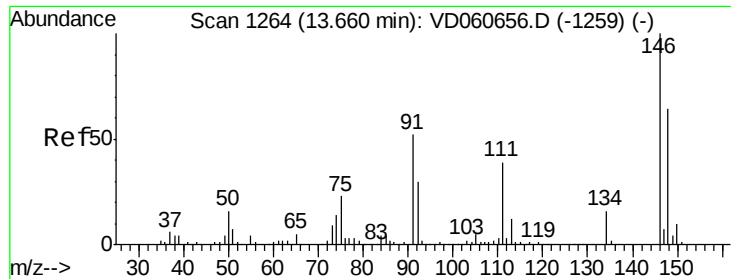
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#90
Hexachloroethane
Concen: 50.634 ug/l
RT: 13.87 min Scan# 1285
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion: 117 Resp: 650543
Ion Ratio Lower Upper
117 100
201 73.7 42.6 127.8





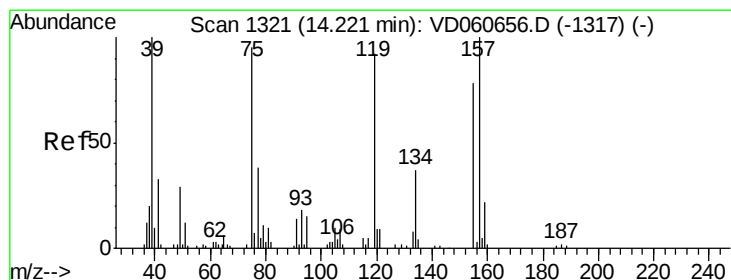
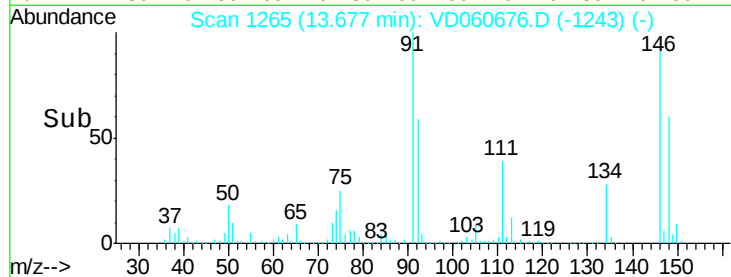
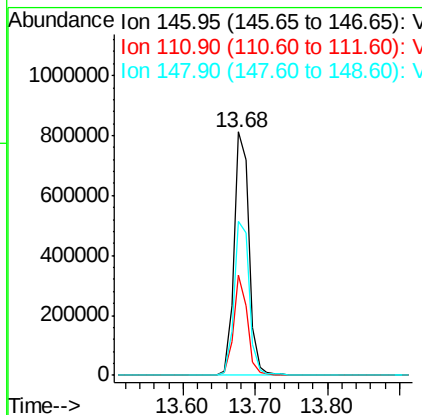
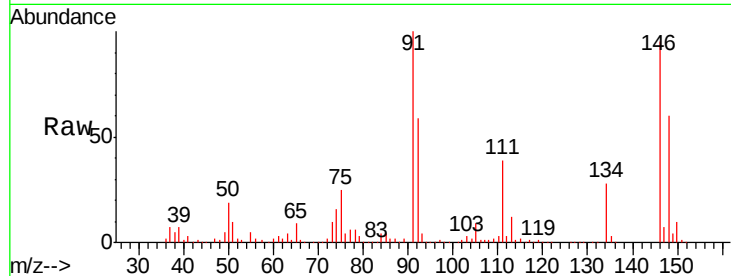
#91
 1,2-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.68 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1175128
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.3 57.9
 148 63.4 31.9 95.9

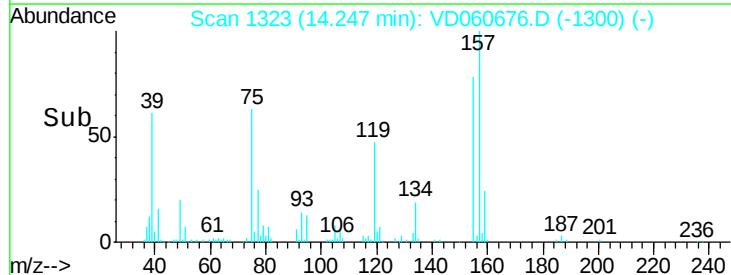
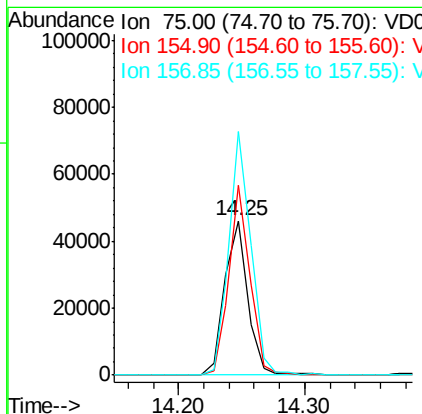
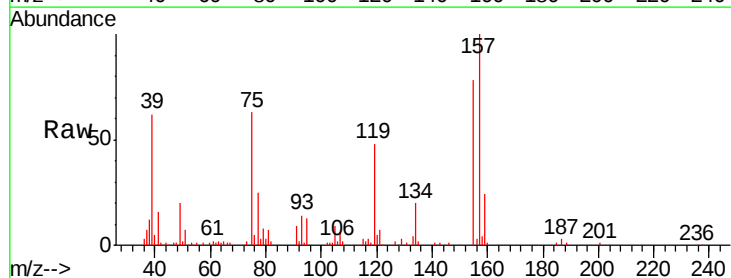
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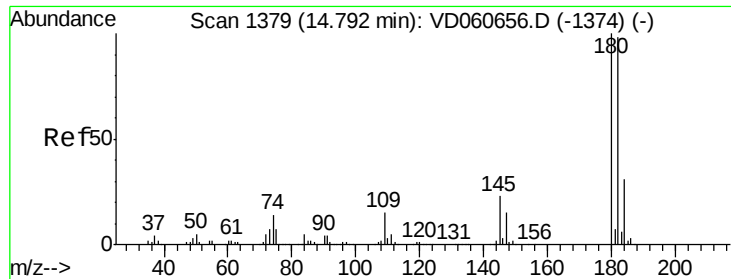
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.448 ug/l
 RT: 14.25 min Scan# 1323
 Delta R.T. 0.03 min
 Lab File: VD060676.D
 Acq: 21 Dec 2018 11:19

Tgt Ion: 75 Resp: 58074
 Ion Ratio Lower Upper
 75 100
 155 122.9 41.1 123.4
 157 158.0 52.5 157.6#





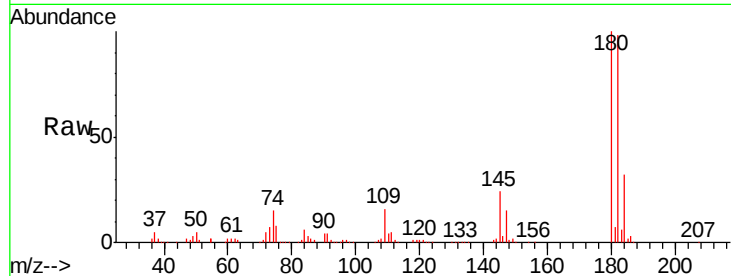
#93
1,2,4-Trichlorobenzene
Concen: 51.946 ug/l
RT: 14.81 min Scan# 1380
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

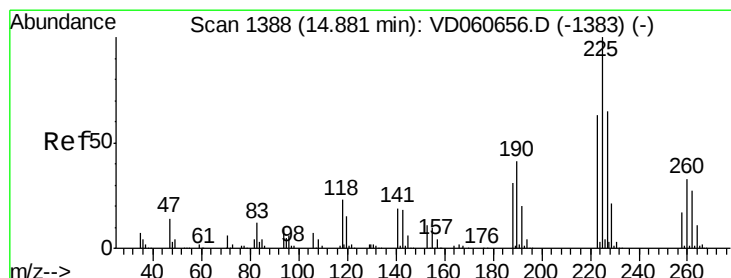
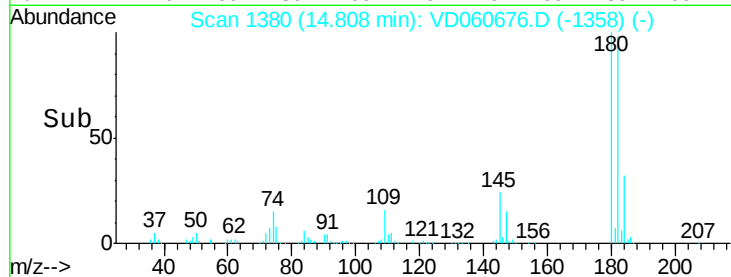
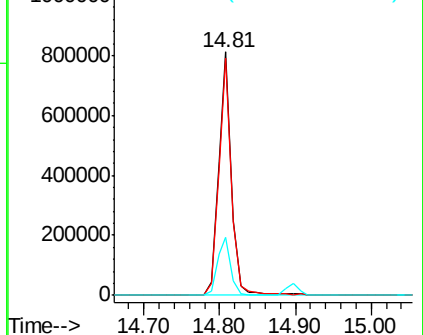
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	971476		
182	97.6	48.8	146.4	
145	23.9	11.8	35.3	

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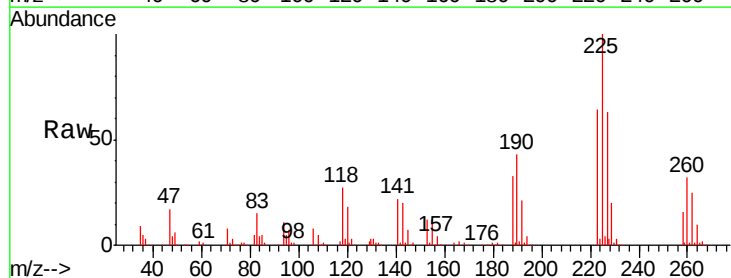


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

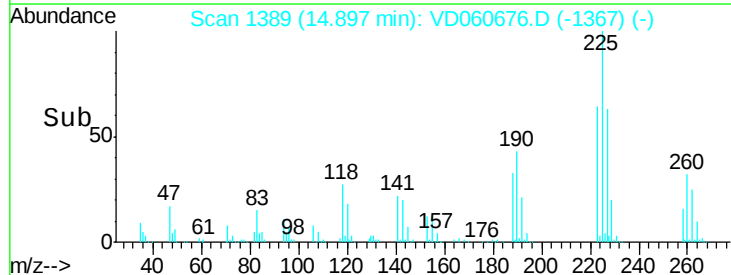
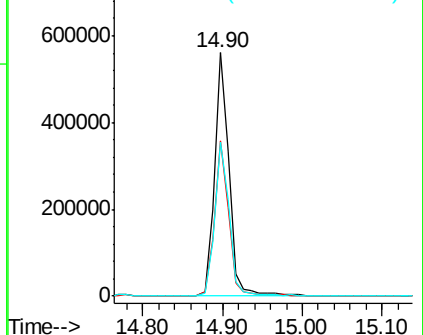


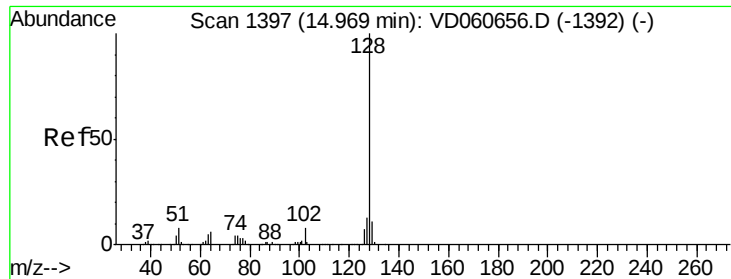
#94
Hexachlorobutadiene
Concen: 52.291 ug/l
RT: 14.90 min Scan# 1389
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	722834		
223	63.6	31.3	93.8	
227	63.4	32.5	97.4	



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





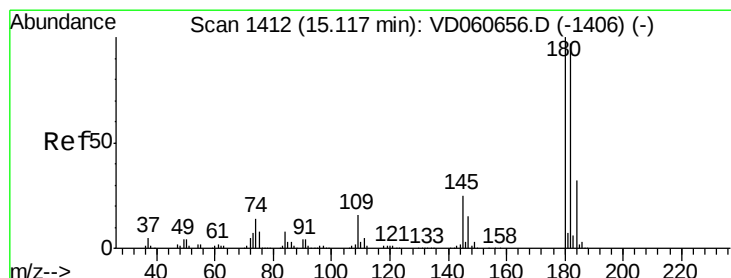
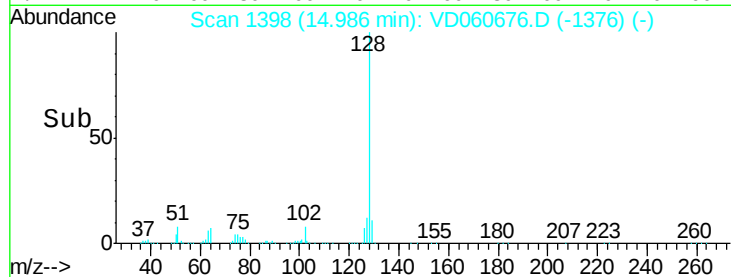
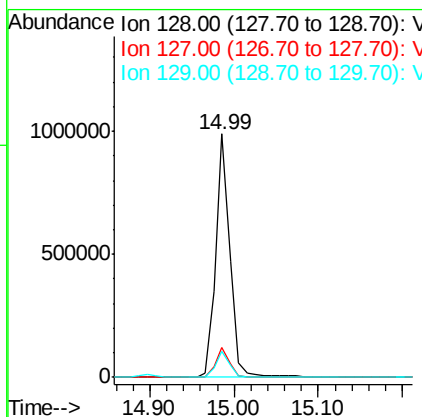
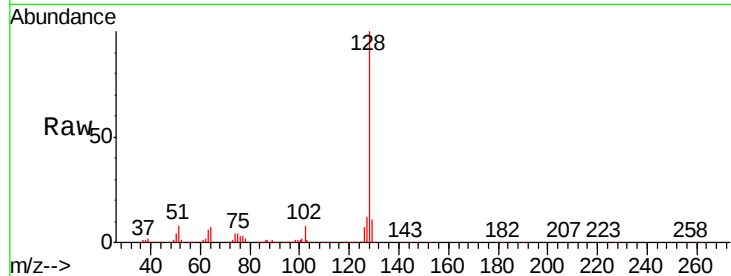
#95
Naphthalene
Concen: 51.879 ug/l
RT: 14.99 min Scan# 1398
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 53.992 ug/l
RT: 15.13 min Scan# 1413
Delta R.T. 0.02 min
Lab File: VD060676.D
Acq: 21 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.6	145.9
145	26.8	12.6	37.8

