

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060661.D
 Acq On : 20 Dec 2018 16:33
 Operator : VA/AP
 Sample : VD1220SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Quant Time: Dec 21 03:38:41 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	6.41	168	1463302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2061617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1595933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	841053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	570551	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
35) Dibromofluoromethane	6.33	113	817133	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	9.45	98	2393280	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.43	95	842490	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.60	85	383615	20.517	ug/l	100
3) Chloromethane	1.77	50	379169	22.035	ug/l	100
4) Vinyl Chloride	1.87	62	297585	21.782	ug/l	97
5) Bromomethane	2.15	94	40250	13.153	ug/l	95
6) Chloroethane	2.27	64	82735	20.293	ug/l	93
7) Trichlorofluoromethane	2.52	101	332279	21.867	ug/l	97
8) Diethyl Ether	2.84	74	58804	23.130	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.10	101	212165	21.525	ug/l	96
10) Methyl Iodide	3.26	142	210885	20.358	ug/l	100
11) Tert butyl alcohol	3.97	59	38849	91.924	ug/l	99
12) 1,1-Dichloroethene	3.09	96	171307	21.152	ug/l	92
13) Acrolein	2.99	56	54298	126.078	ug/l	95
14) Allyl chloride	3.55	41	317088	21.337	ug/l	99
15) Acrylonitrile	4.10	53	265903	108.373	ug/l	97
16) Acetone	3.18	43	195024	110.433	ug/l	99
17) Carbon Disulfide	3.32	76	548083	21.190	ug/l	100
18) Methyl Acetate	3.57	43	84083	19.211	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	448070	21.806	ug/l	99
20) Methylene Chloride	3.73	84	471880	25.729	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	349849	21.093	ug/l	98
22) Diisopropyl ether	4.86	45	1094697	21.695	ug/l	98
23) Vinyl Acetate	4.81	43	2719304	111.394	ug/l	99
24) 1,1-Dichloroethane	4.76	63	569505	21.458	ug/l	99
25) 2-Butanone	5.63	43	365066	108.028	ug/l	97
26) 2,2-Dichloropropane	5.59	77	463828	22.140	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	365323	21.697	ug/l	95
28) Bromochloromethane	5.93	49	213128	19.009	ug/l	97
29) Tetrahydrofuran	5.96	42	206655	107.871	ug/l	98
30) Chloroform	6.11	83	575320	21.543	ug/l	99
31) Cyclohexane	6.37	56	538043	21.066	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	473527	21.432	ug/l	98
36) 1,1-Dichloropropene	6.52	75	438355	20.649	ug/l	98
37) Ethyl Acetate	5.71	43	196162	22.094	ug/l	98
38) Carbon Tetrachloride	6.50	117	401023	21.412	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	507051	20.942	ug/l	98
40) Benzene	6.80	78	1151276	20.995	ug/l	100
41) Methacrylonitrile	5.95	41	220166	44.831	ug/l #	73
42) 1,2-Dichloroethane	6.90	62	290598	21.355	ug/l	99
43) Isopropyl Acetate	8.35	43	231271	20.298	ug/l	100
44) Trichloroethene	7.74	130	345496	21.287	ug/l	98
45) 1,2-Dichloropropane	8.11	63	272603	20.271	ug/l	97
46) Dibromomethane	8.21	93	160100	20.859	ug/l	96
47) Bromodichloromethane	8.49	83	372336	20.482	ug/l	98
48) Methyl methacrylate	8.24	41	146756	21.207	ug/l	96
49) 1,4-Dioxane	8.23	88	25465	395.774	ug/l #	80
51) 4-Methyl-2-Pentanone	9.35	43	741750	106.259	ug/l	99
52) Toluene	9.55	92	718672	20.906	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	316097	20.842	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	411754	20.742	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	194341	21.012	ug/l	97
56) Ethyl methacrylate	10.03	69	175701	20.452	ug/l	95
57) 1,3-Dichloropropane	10.38	76	303251	20.685	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.92	63	517676	102.267	ug/l	97
59) 2-Hexanone	10.49	43	518338	106.083	ug/l	99
60) Dibromochloromethane	10.64	129	242017	20.542	ug/l	95
61) 1,2-Dibromoethane	10.75	107	201925	21.048	ug/l	97
64) Tetrachloroethene	10.25	164	322152	22.271	ug/l	98
65) Chlorobenzene	11.31	112	780277	22.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	254496	22.448	ug/l	98
67) Ethyl Benzene	11.42	91	1362270	22.559	ug/l	97
68) m/p-Xylenes	11.56	106	1009362	45.738	ug/l	93
69) o-Xylene	11.93	106	459575	21.950	ug/l	89
70) Styrene	11.95	104	763114	22.631	ug/l	98
71) Bromoform	12.11	173	157123	20.996	ug/l	98
73) Isopropylbenzene	12.28	105	1301167	21.729	ug/l	100
74) N-amyl acetate	12.13	43	295486	20.908	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	204092	21.027	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	207082	21.627	ug/l	100
77) Bromobenzene	12.54	156	336077	21.258	ug/l	91
78) n-propylbenzene	12.63	91	1670809	21.825	ug/l	96
79) 2-Chlorotoluene	12.70	91	907813	22.140	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	1052883	22.770	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	56711	21.434	ug/l	92
82) 4-Chlorotoluene	12.81	91	1036032	22.292	ug/l	94
83) tert-Butylbenzene	13.05	119	1174660	22.322	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1071532	22.500	ug/l	98
85) sec-Butylbenzene	13.22	105	1421096	22.143	ug/l	96
86) p-Isopropyltoluene	13.34	119	1172947	22.642	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	639263	22.027	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	622848	21.779	ug/l	97
89) n-Butylbenzene	13.65	91	1244443	23.507	ug/l	99
90) Hexachloroethane	13.85	117	285582	22.440	ug/l	78
91) 1,2-Dichlorobenzene	13.66	146	534098	22.942	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23396	20.518	ug/l	70

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration

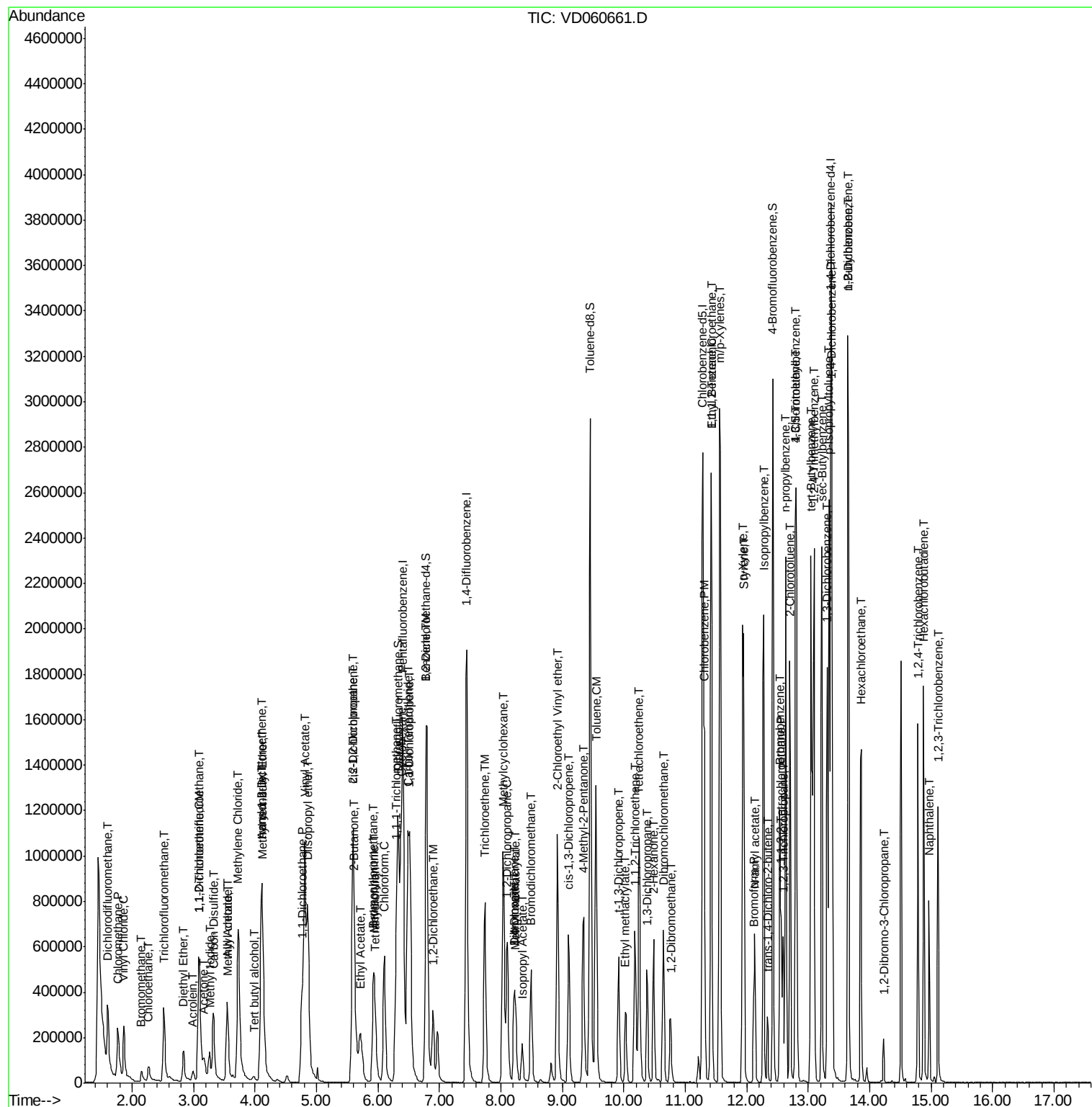
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	412379	22.261	ug/l	96
94) Hexachlorobutadiene	14.88	225	307343	22.446	ug/l	98
95) Naphthalene	14.97	128	457383	20.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	312216	21.560	ug/l	97

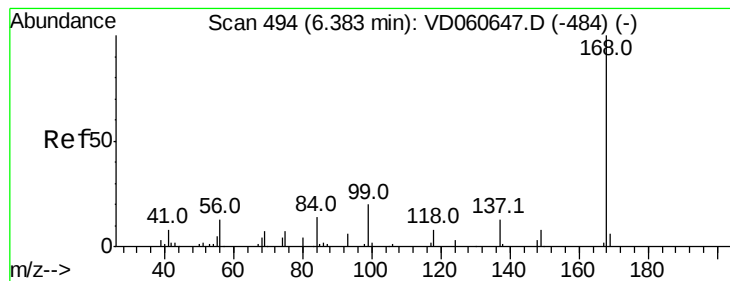
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

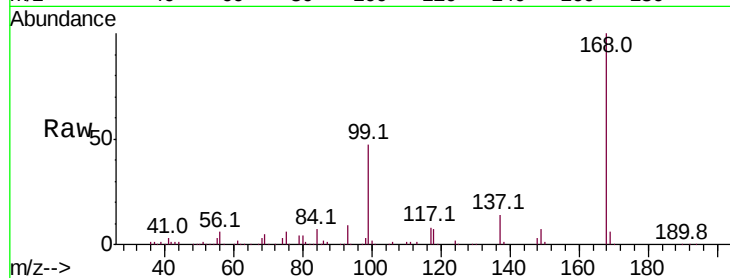
VD1220SBS01

Tot Ion:168 Resp: 1463302

Ion Ratio Lower Upper

168 100

99 46.6 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

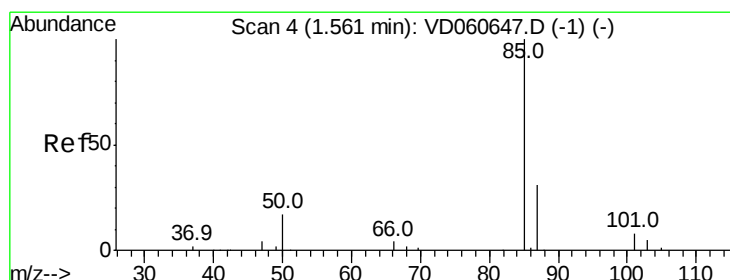
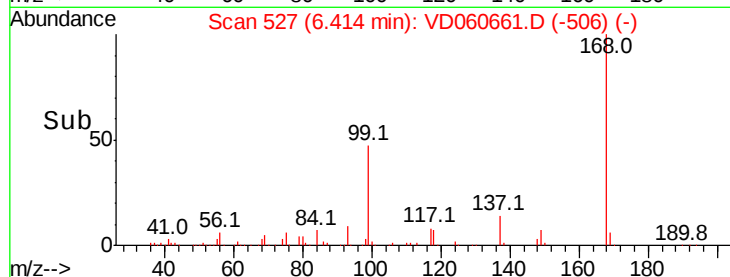
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.517 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.00 min

Lab File: VD060661.D

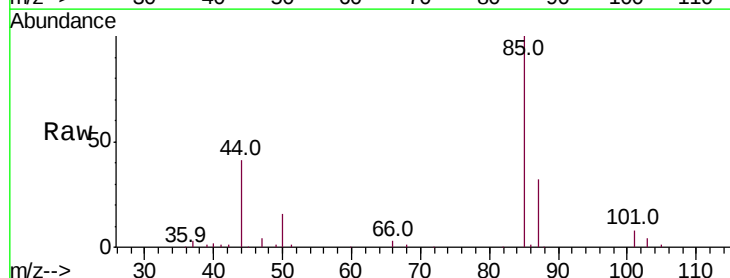
Acq: 20 Dec 2018 16:33

Tgt Ion: 85 Resp: 383615

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

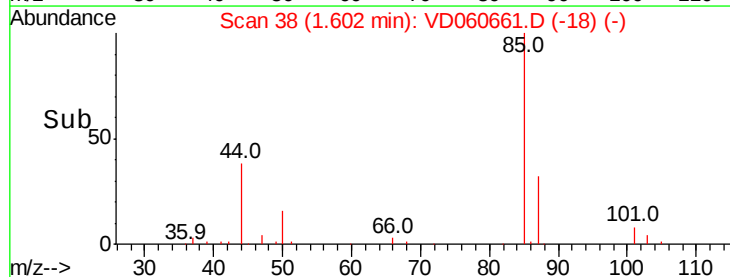
150000

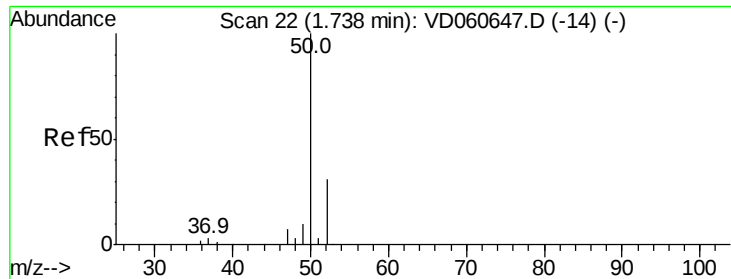
100000

50000

0

Time-->





#3

Chloromethane

Concen: 22.035 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

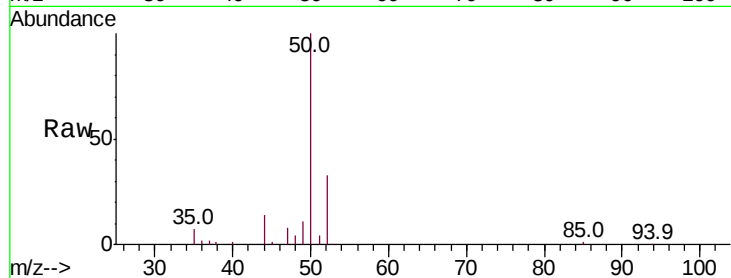
VD1220SBS01

Tot Ion: 50 Resp: 379169

Ion Ratio Lower Upper

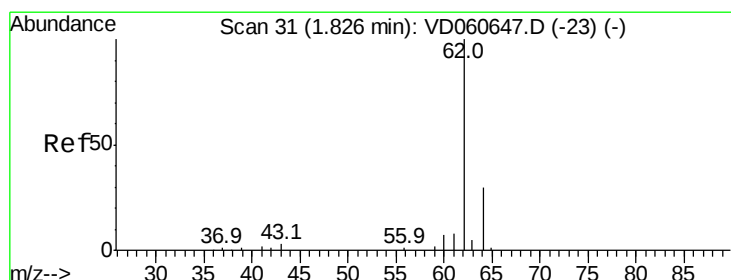
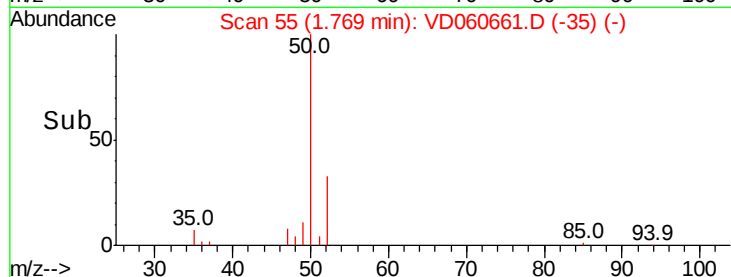
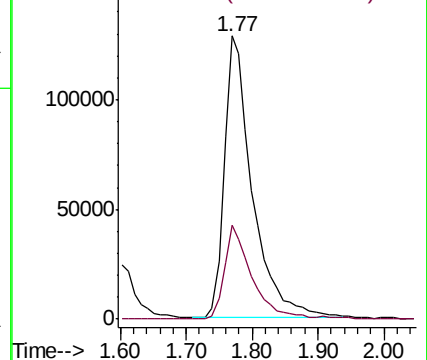
50 100

52 33.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.782 ug/l

RT: 1.87 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060661.D

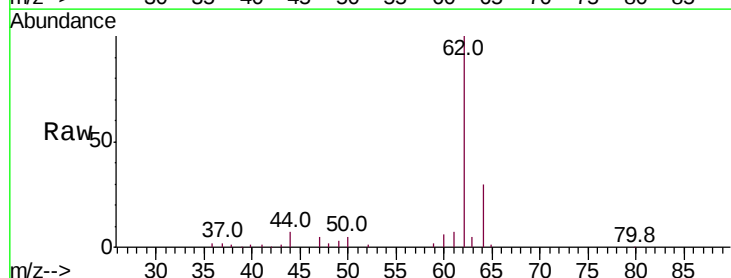
Acq: 20 Dec 2018 16:33

Tgt Ion: 62 Resp: 297585

Ion Ratio Lower Upper

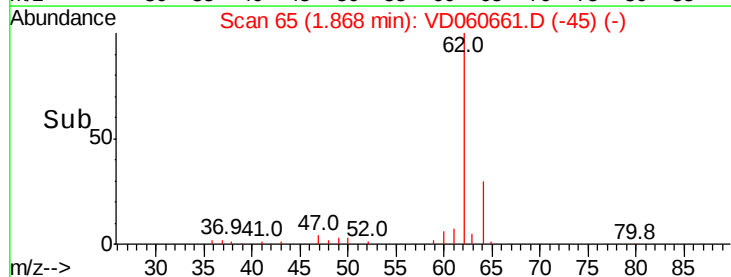
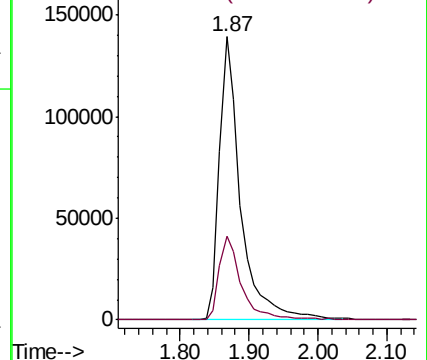
62 100

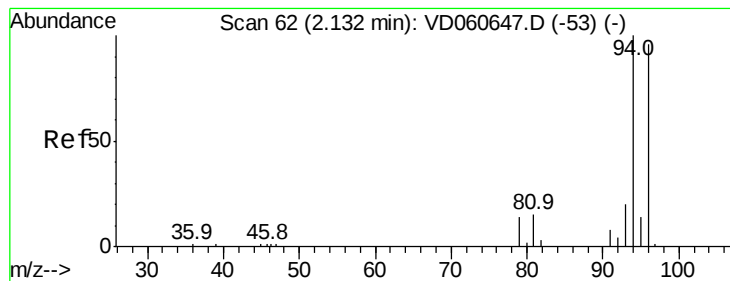
64 29.6 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 13.153 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

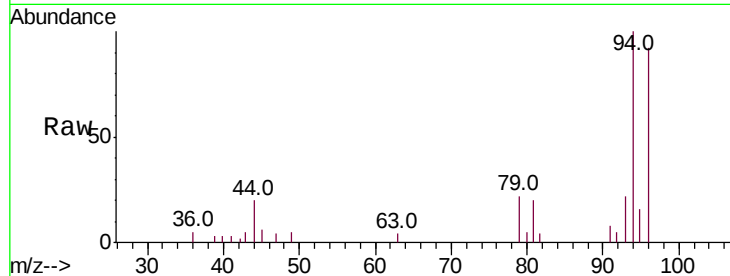
VD1220SBS01

Tot Ion: 94 Resp: 40250

Ion Ratio Lower Upper

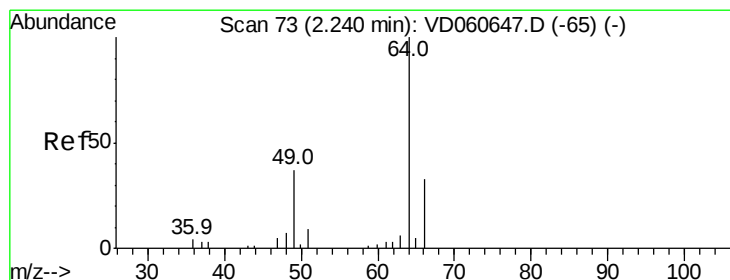
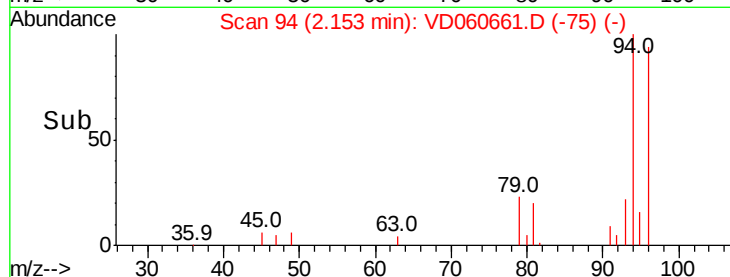
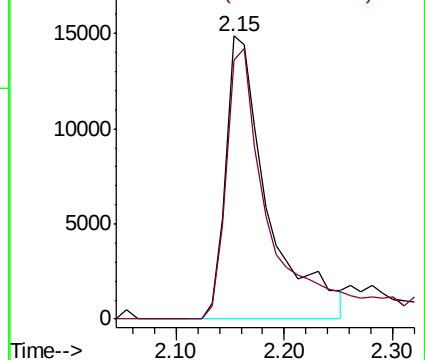
94 100

96 91.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.293 ug/l

RT: 2.27 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD060661.D

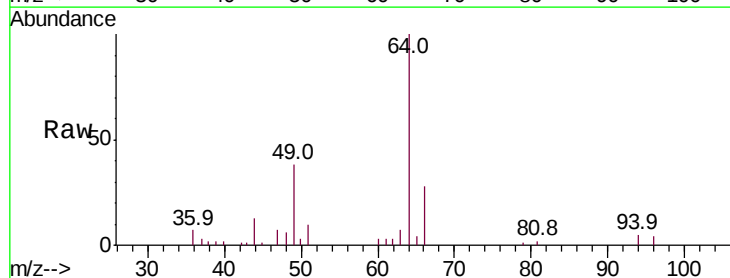
Acq: 20 Dec 2018 16:33

Tgt Ion: 64 Resp: 82735

Ion Ratio Lower Upper

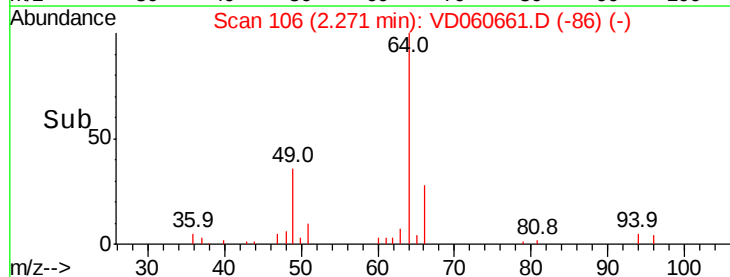
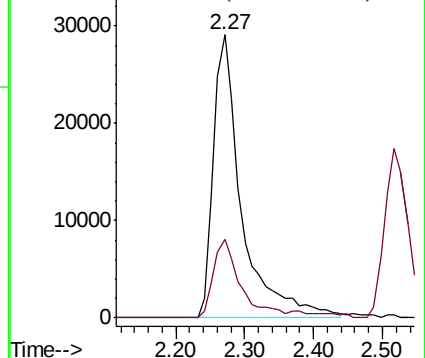
64 100

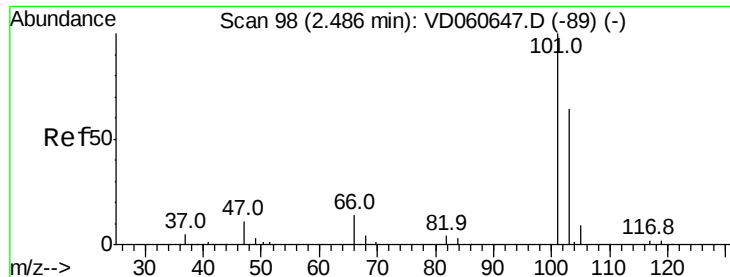
66 27.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



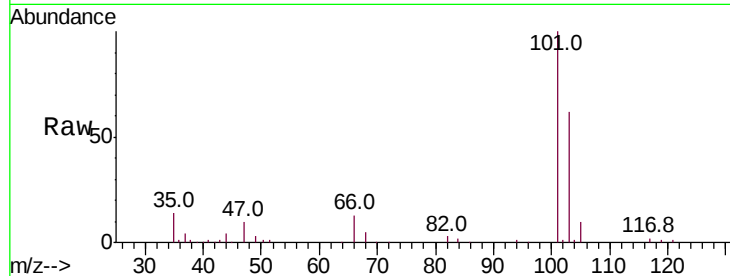


#7

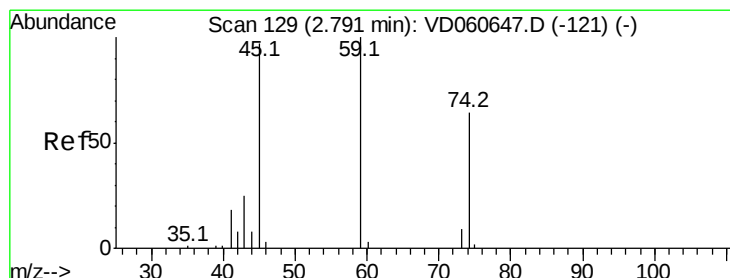
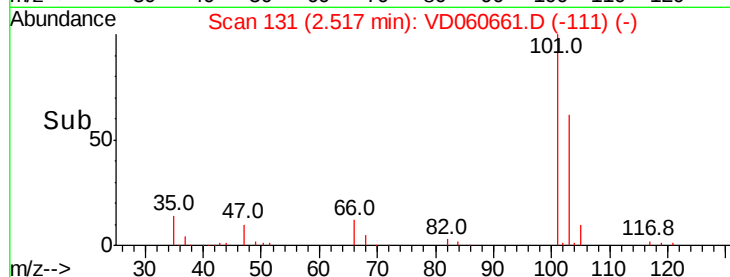
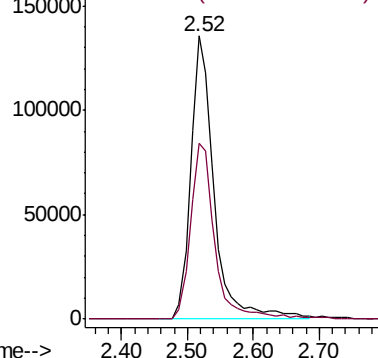
Trichlorofluoromethane
Concen: 21.867 ug/l
RT: 2.52 min Scan# 131
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:101 Resp: 332279
Ion Ratio Lower Upper
101 100
103 62.2 51.9 77.9



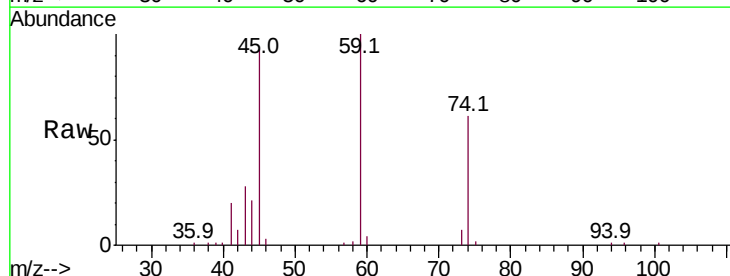
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



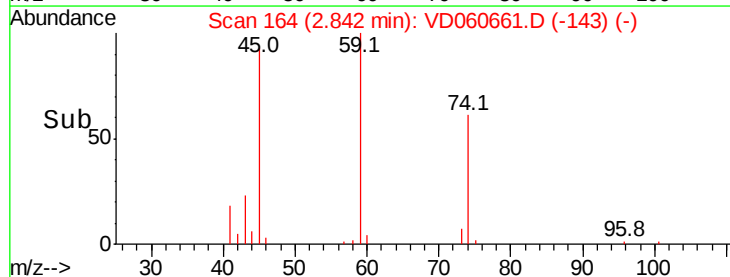
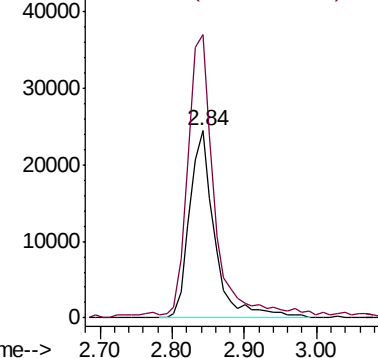
#8

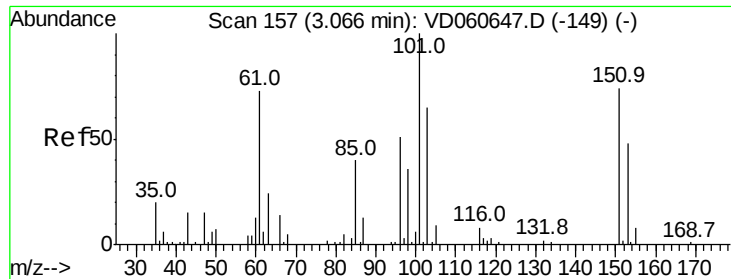
Diethyl Ether
Concen: 23.130 ug/l
RT: 2.84 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 74 Resp: 58804
Ion Ratio Lower Upper
74 100
45 151.5 79.3 238.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.525 ug/l

RT: 3.10 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

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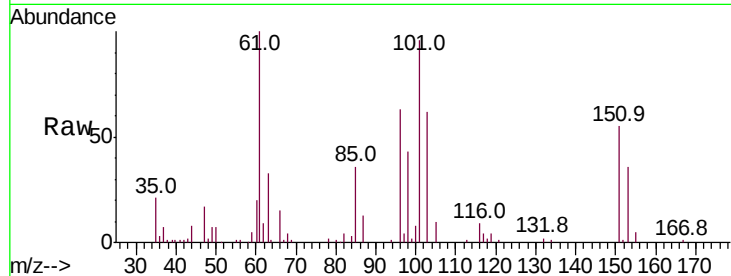
Tot Ion:101 Resp: 212165

Ion Ratio Lower Upper

101 100

85 37.2 33.4 50.0

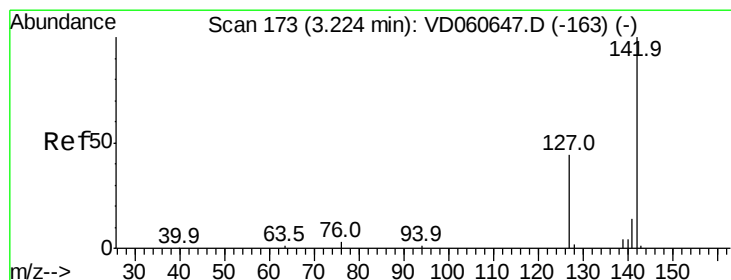
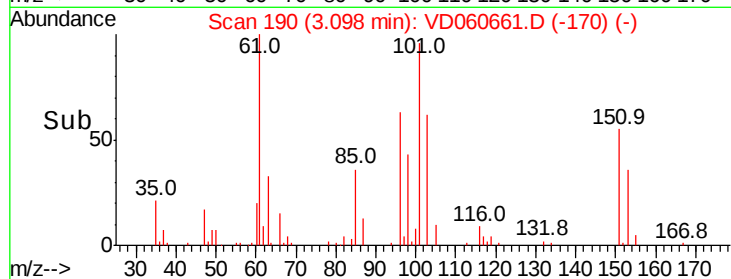
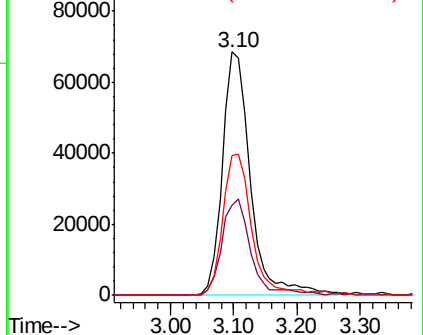
151 57.6 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.358 ug/l

RT: 3.26 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

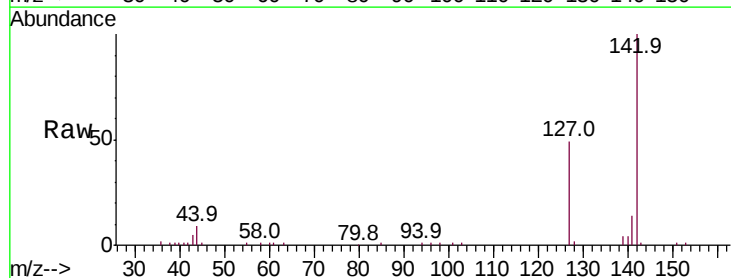
Tgt Ion:142 Resp: 210885

Ion Ratio Lower Upper

142 100

127 49.4 39.5 59.3

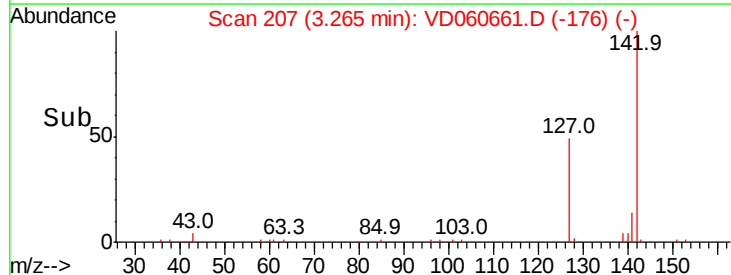
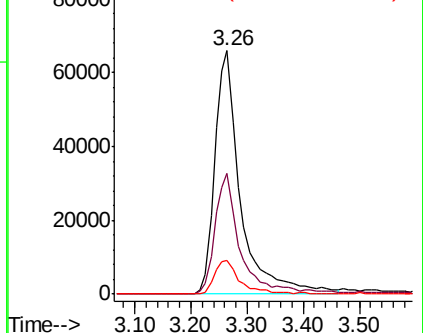
141 14.1 11.3 16.9

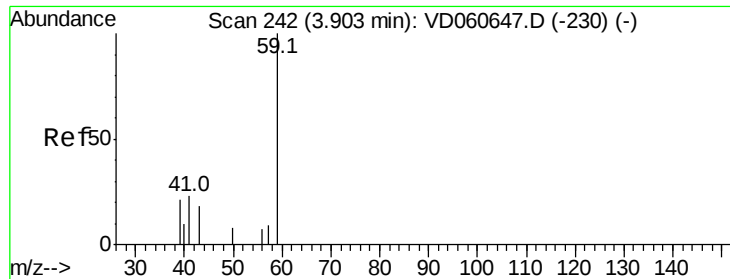


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

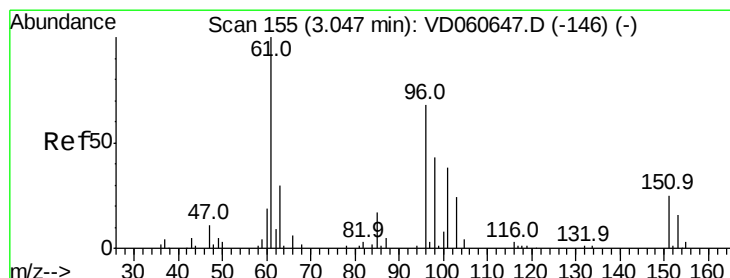
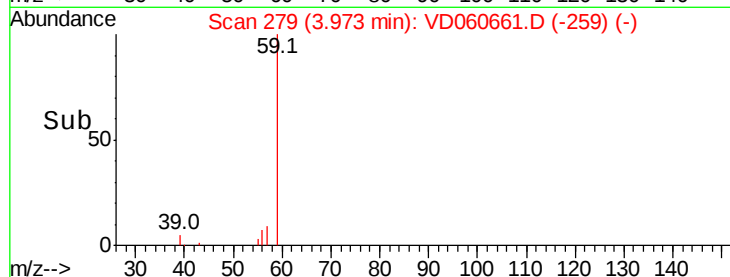
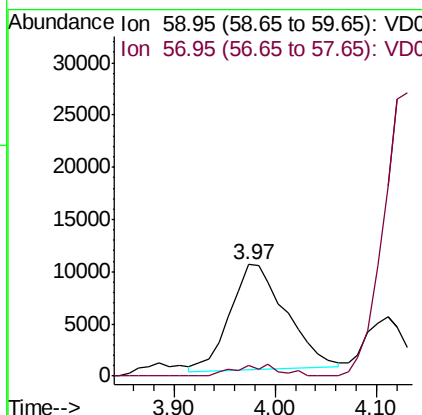
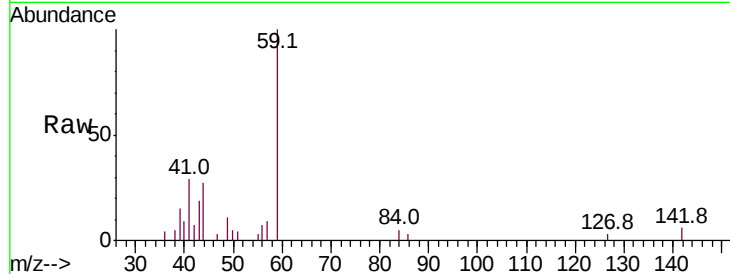




#11
Tert butyl alcohol
Concen: 91.924 ug/l
RT: 3.97 min Scan# 279
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

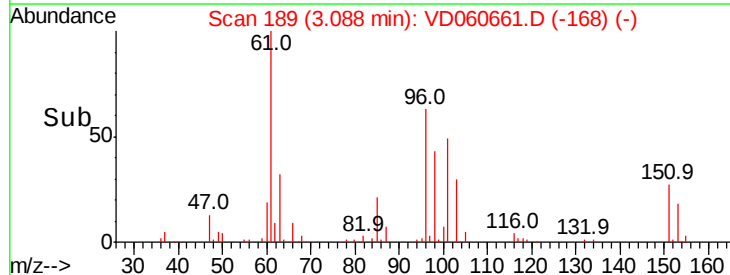
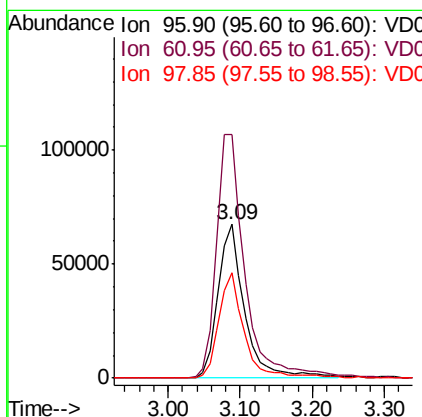
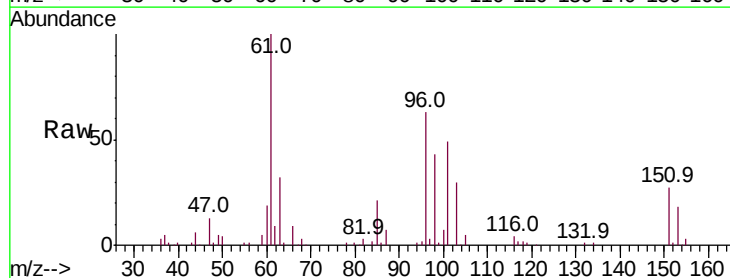
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

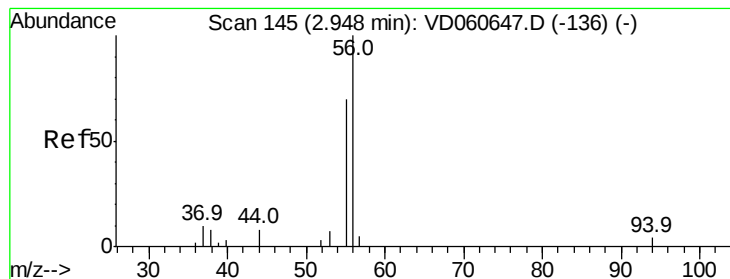
Tot Ion: 59 Resp: 38849
Ion Ratio Lower Upper
59 100
57 9.4 7.8 11.6



#12
1,1-Dichloroethene
Concen: 21.152 ug/l
RT: 3.09 min Scan# 189
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 96 Resp: 171307
Ion Ratio Lower Upper
96 100
61 158.1 136.2 204.4
98 68.1 50.7 76.1





#13

Acrolein

Concen: 126.078 ug/l

RT: 2.99 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

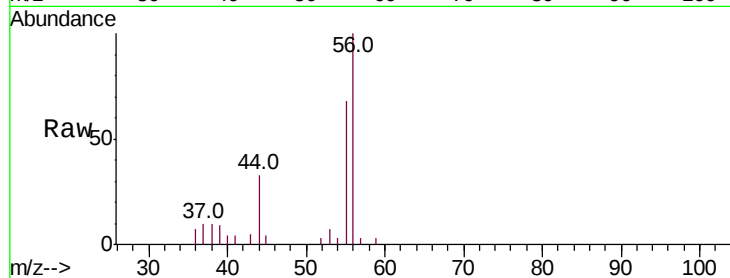
VD1220SBS01

Tot Ion: 56 Resp: 54298

Ion Ratio Lower Upper

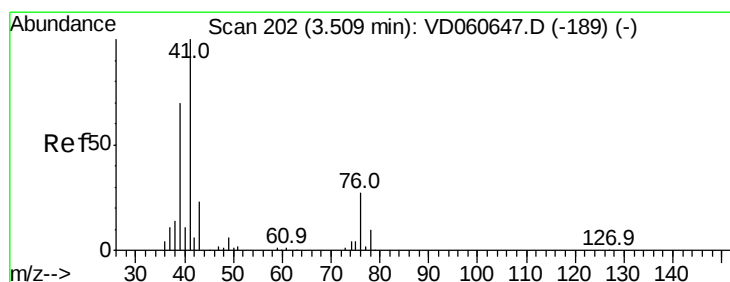
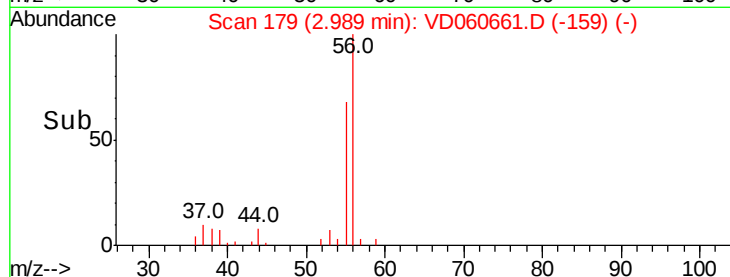
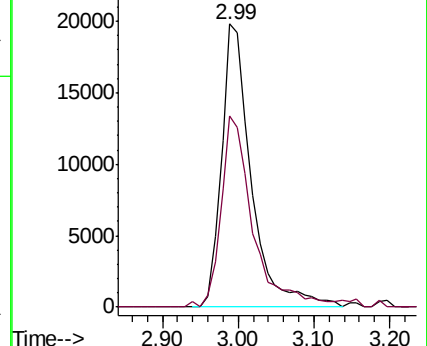
56 100

55 67.5 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.337 ug/l

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

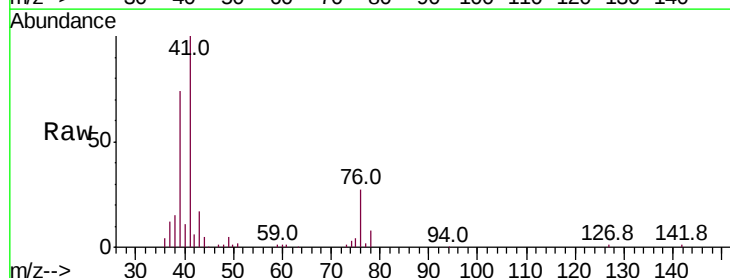
Tgt Ion: 41 Resp: 317088

Ion Ratio Lower Upper

41 100

39 73.6 59.6 89.4

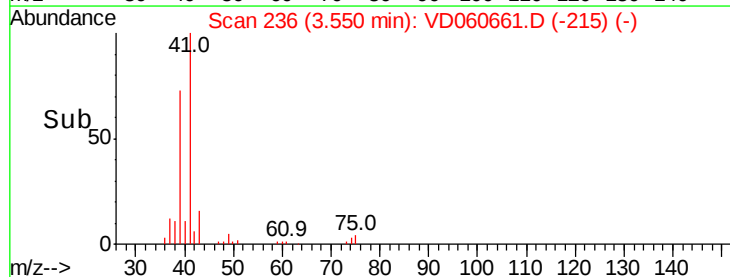
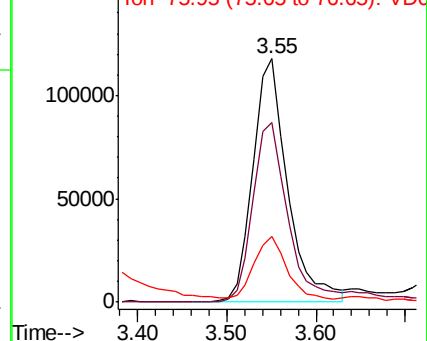
76 27.0 21.8 32.6

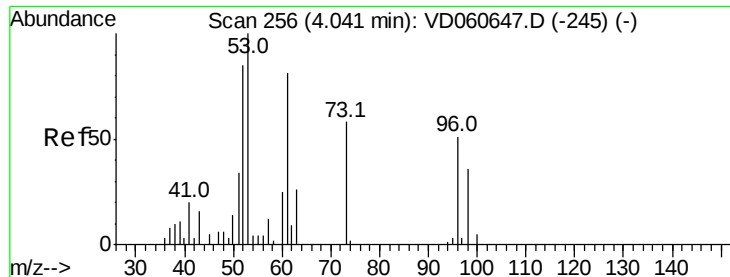


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 108.373 ug/l

RT: 4.10 min Scan# 292

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

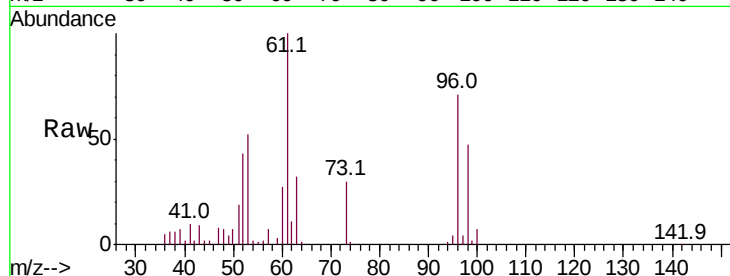
Tot Ion: 53 Resp: 265903

Ion Ratio Lower Upper

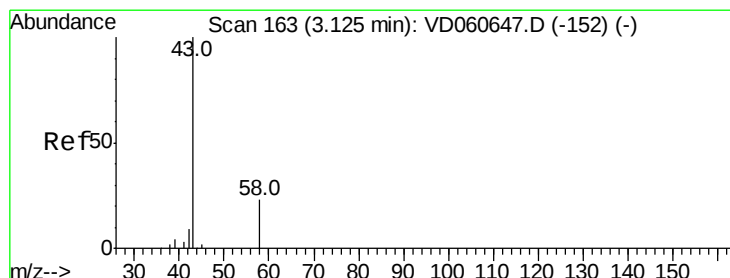
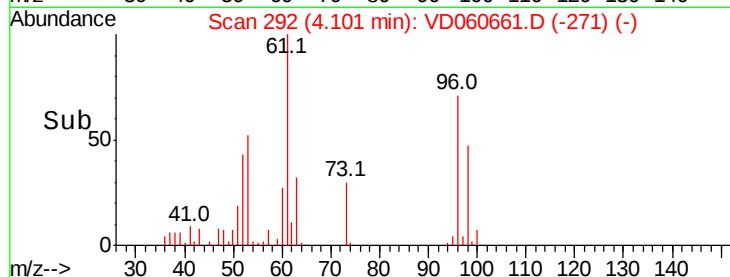
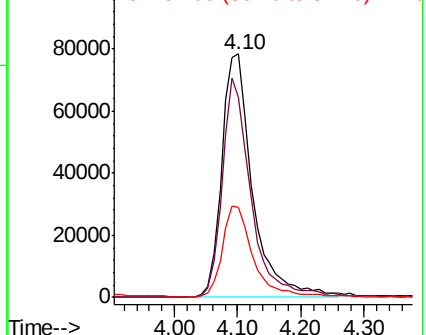
53 100

52 82.0 66.7 100.1

51 37.1 32.7 49.1



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



#16

Acetone

Concen: 110.433 ug/l

RT: 3.18 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD060661.D

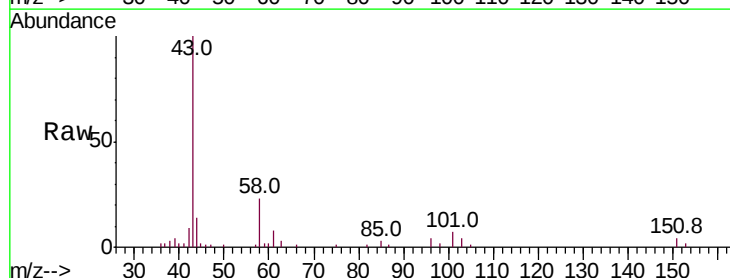
Acq: 20 Dec 2018 16:33

Tgt Ion: 43 Resp: 195024

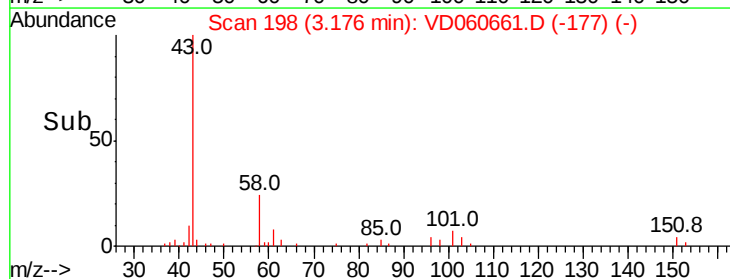
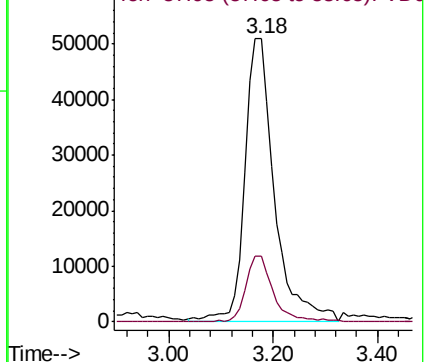
Ion Ratio Lower Upper

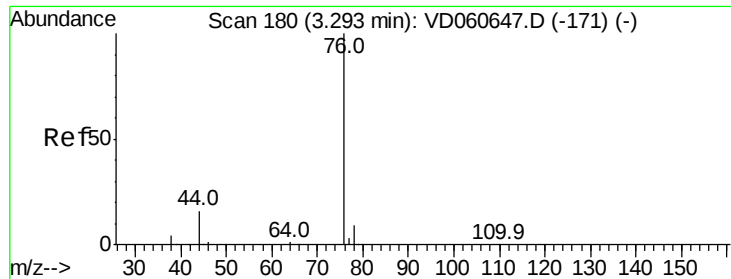
43 100

58 23.3 18.2 27.2



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

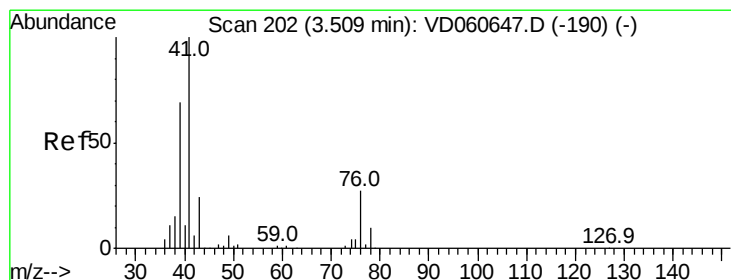
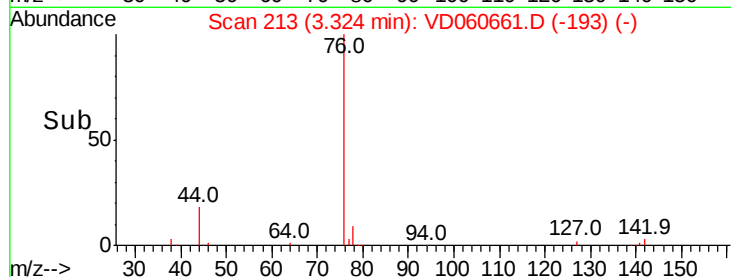
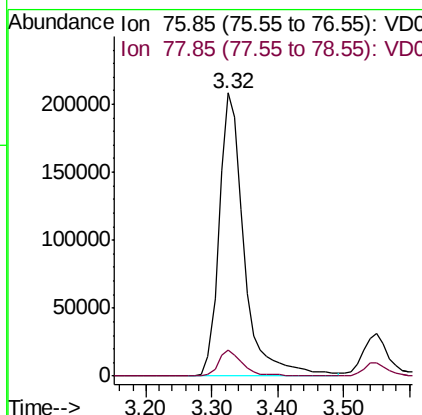
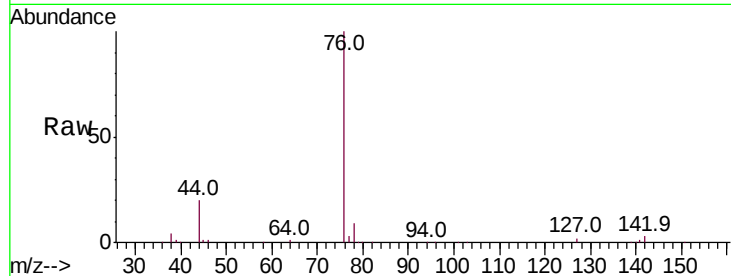




#17
Carbon Disulfide
Concen: 21.190 ug/l
RT: 3.32 min Scan# 213
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

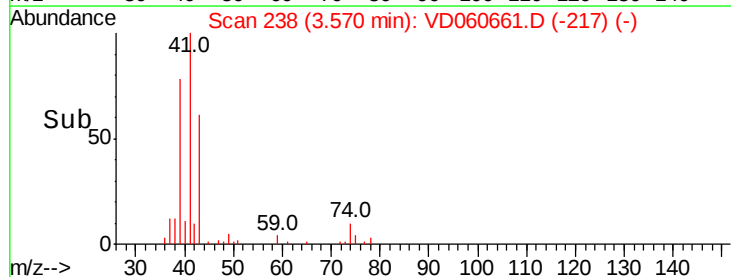
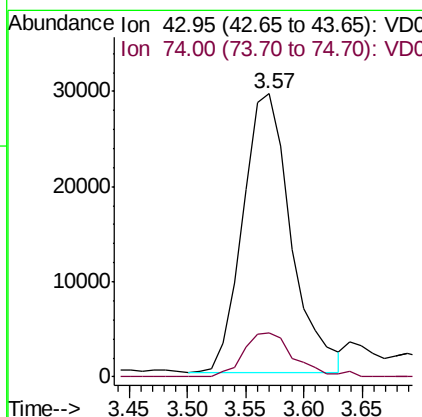
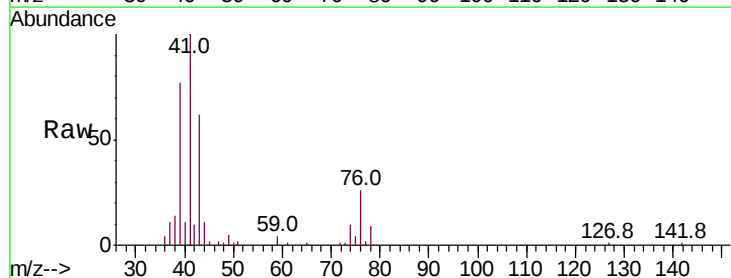
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

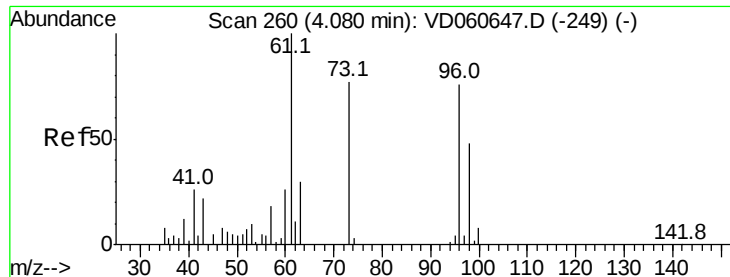
Tot Ion: 76 Resp: 548083
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 19.211 ug/l
RT: 3.57 min Scan# 238
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 43 Resp: 84083
Ion Ratio Lower Upper
43 100
74 15.4 12.4 18.6



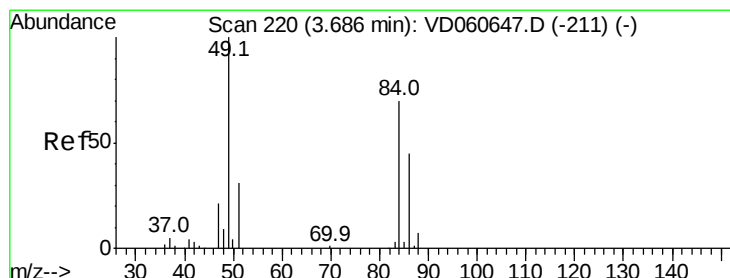
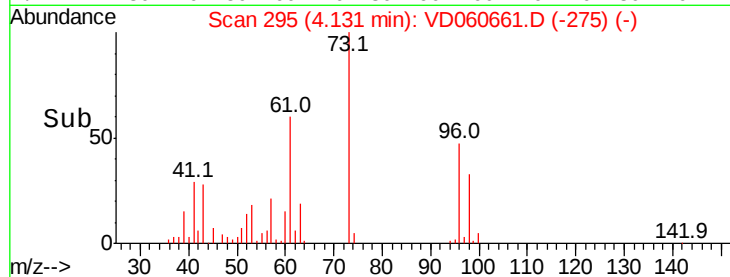
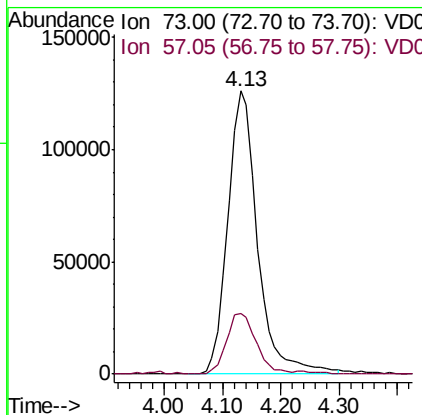
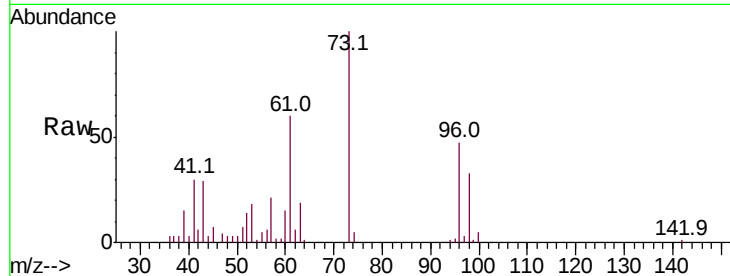


#19

Methyl tert-butyl Ether
 Concen: 21.806 ug/l
 RT: 4.13 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1220SBS01

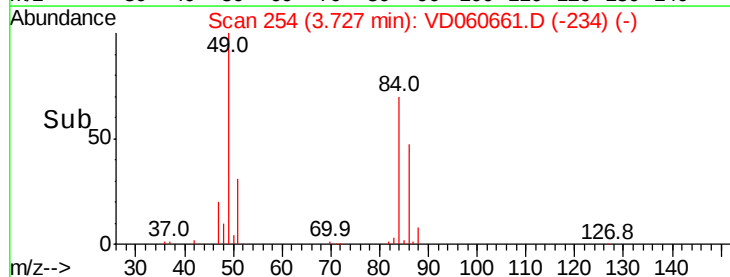
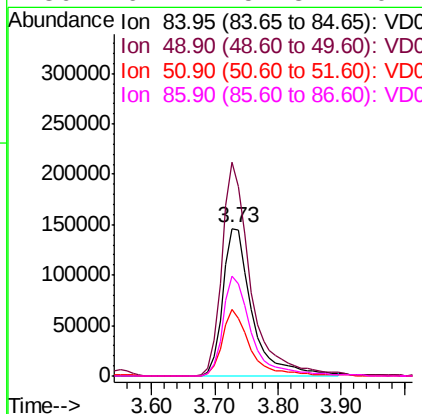
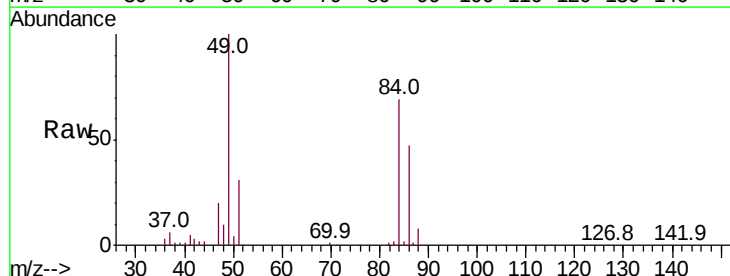
Tot Ion: 73 Resp: 448070
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.6 26.4

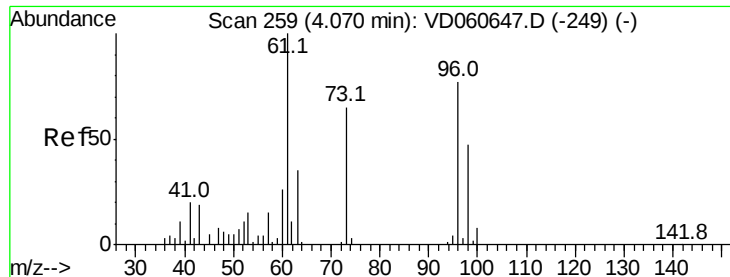


#20

Methylene Chloride
 Concen: 25.729 ug/l
 RT: 3.73 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 84 Resp: 471880
 Ion Ratio Lower Upper
 84 100
 49 144.9 113.6 170.4
 51 45.1 34.7 52.1
 86 67.4 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 21.093 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

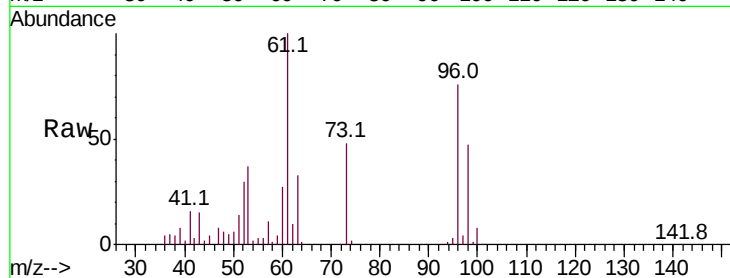
Tot Ion: 96 Resp: 349849

Ion Ratio Lower Upper

96 100

61 132.2 104.2 156.2

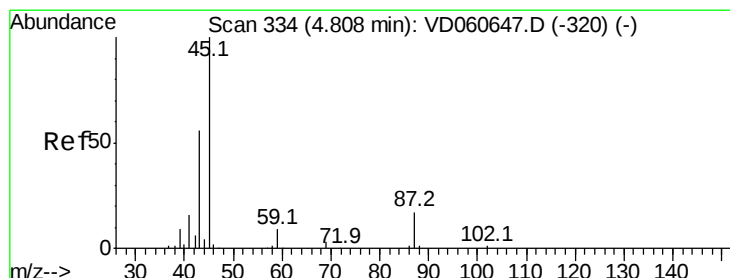
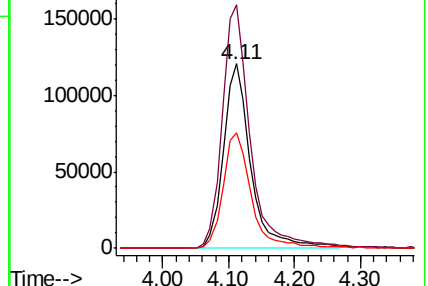
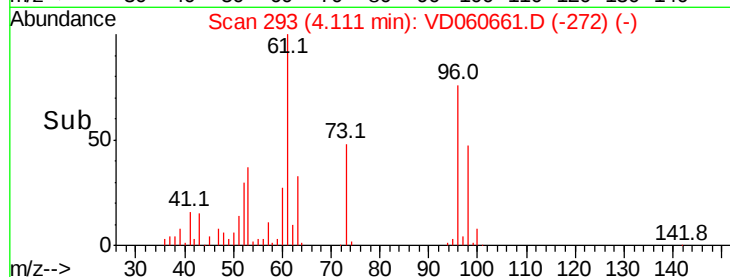
98 62.8 51.2 76.8



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: 21.695 ug/l

RT: 4.86 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion: 45 Resp: 1094697

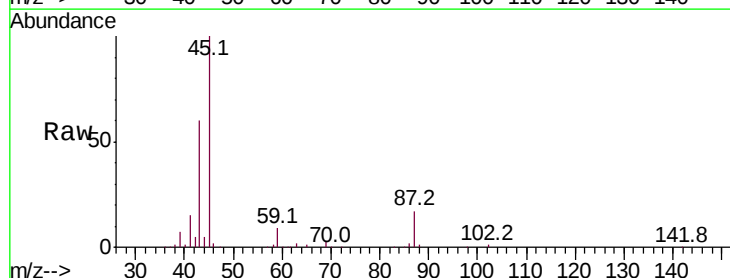
Ion Ratio Lower Upper

45 100

43 59.9 46.1 69.1

87 16.7 13.7 20.5

59 8.9 7.4 11.0

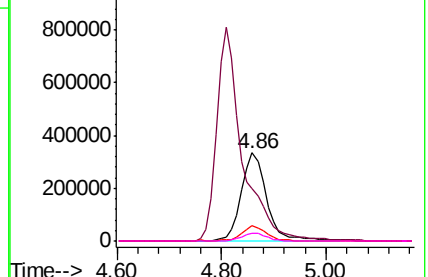
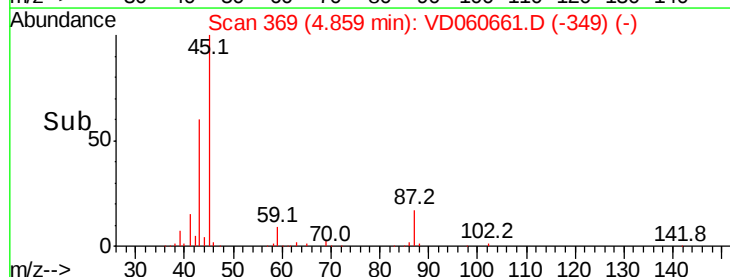


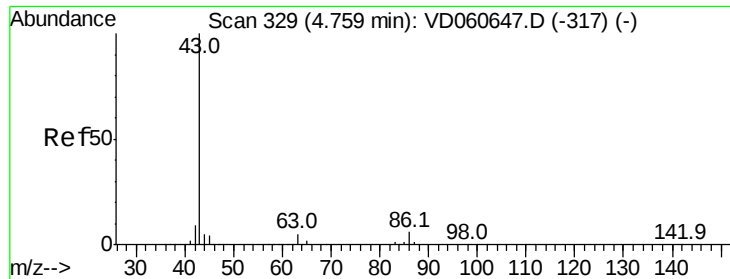
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

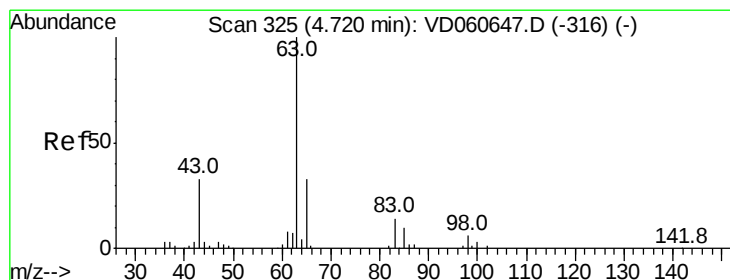
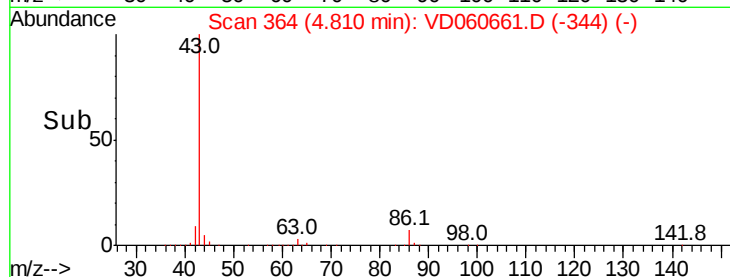
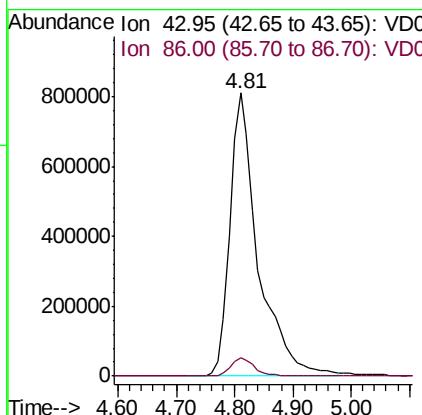
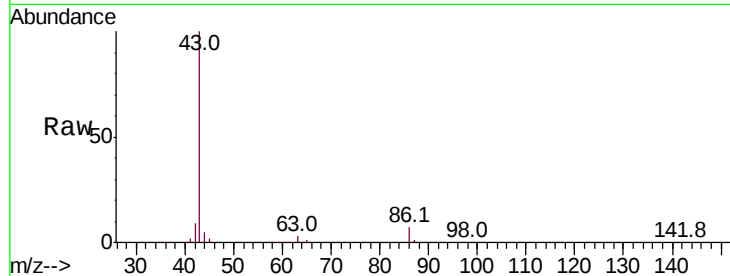




#23
 Vinyl Acetate
 Concen: 111.394 ug/l
 RT: 4.81 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

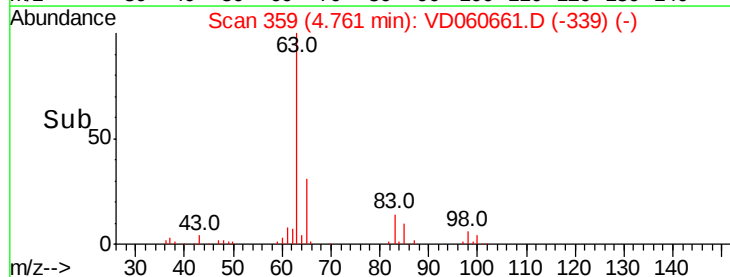
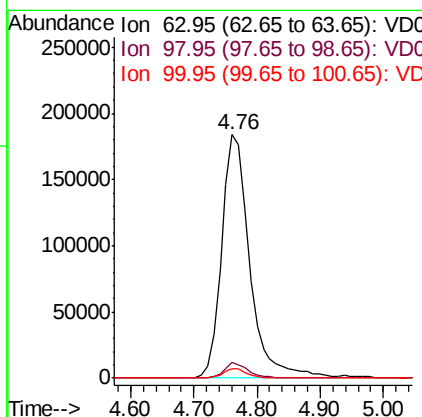
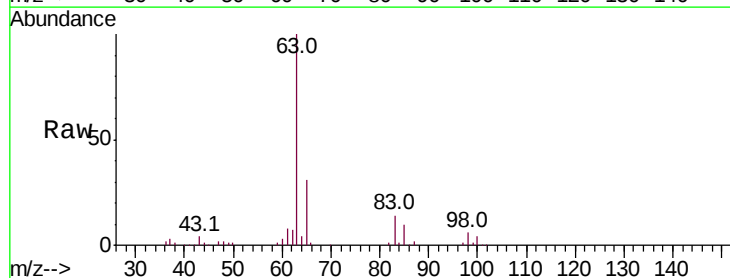
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

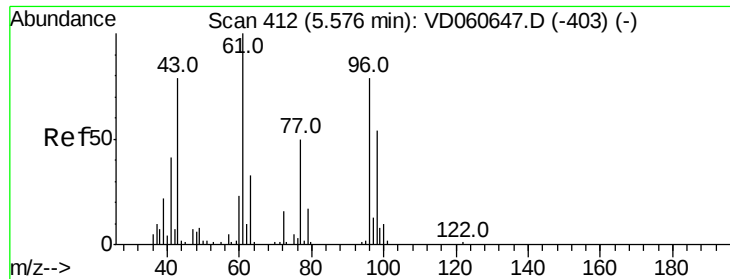
Tot Ion: 43 Resp: 2719304
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 21.458 ug/l
 RT: 4.76 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 63 Resp: 569505
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 108.028 ug/l

RT: 5.63 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

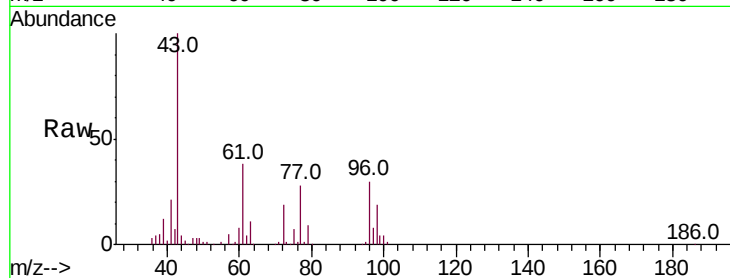
VD1220SBS01

Tot Ion: 43 Resp: 365066

Ion Ratio Lower Upper

43 100

72 18.5 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

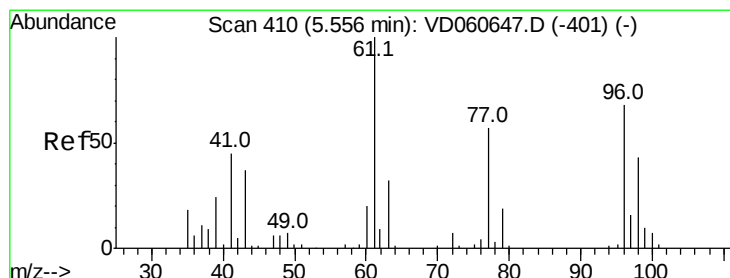
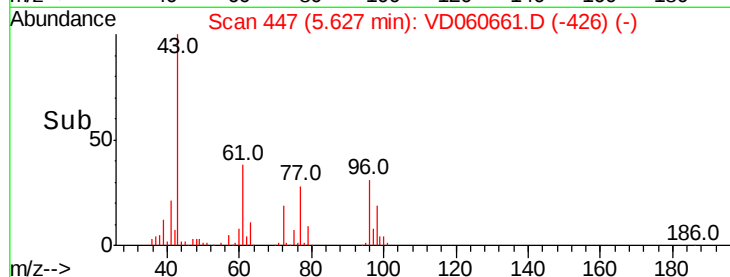
50000

0

5.50 5.60 5.70

5.63

Time-->



#26

2,2-Dichloropropane

Concen: 22.140 ug/l

RT: 5.59 min Scan# 443

Delta R.T. -0.00 min

Lab File: VD060661.D

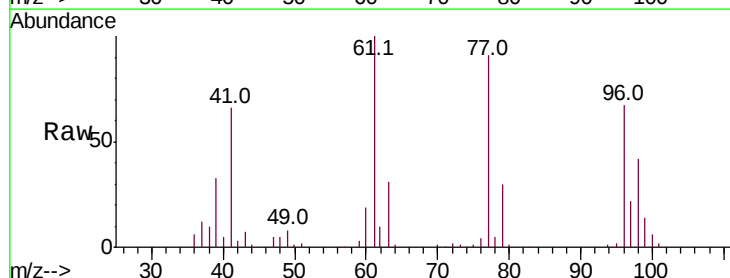
Acq: 20 Dec 2018 16:33

Tgt Ion: 77 Resp: 463828

Ion Ratio Lower Upper

77 100

97 24.1 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

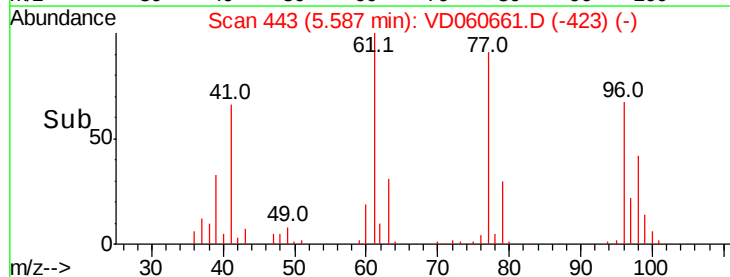
50000

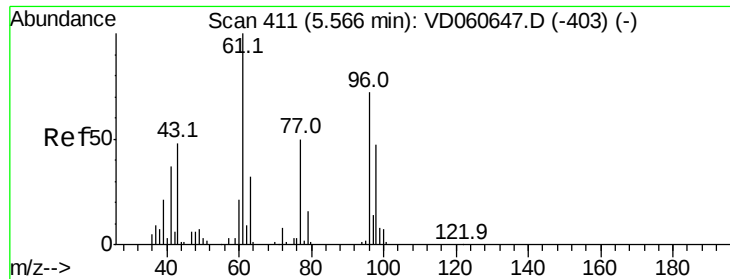
0

5.50 5.60 5.70 5.80

5.59

Time-->



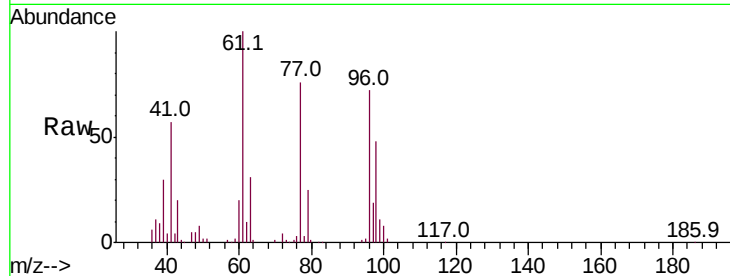


#27

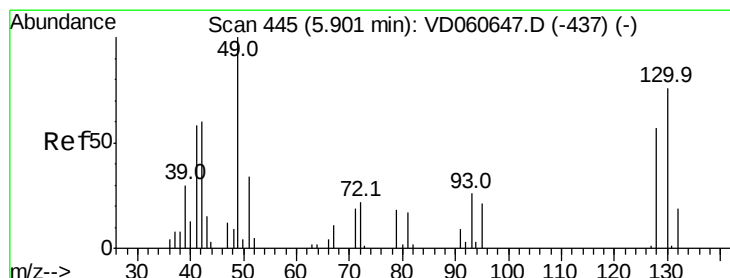
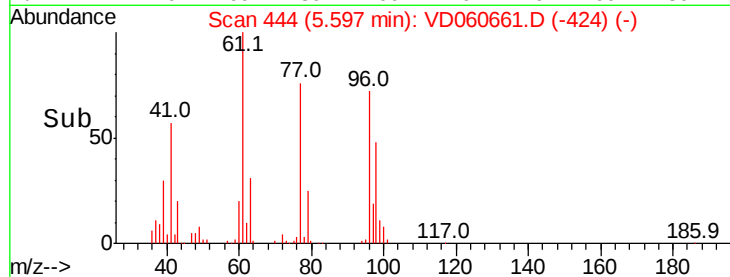
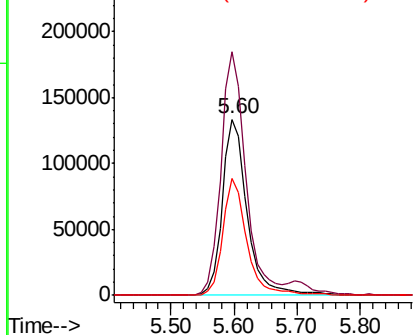
cis-1,2-Dichloroethene
Concen: 21.697 ug/l
RT: 5.60 min Scan# 444
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion: 96 Resp: 365323
Ion Ratio Lower Upper
96 100
61 138.1 0.0 259.4
98 66.2 0.0 130.0



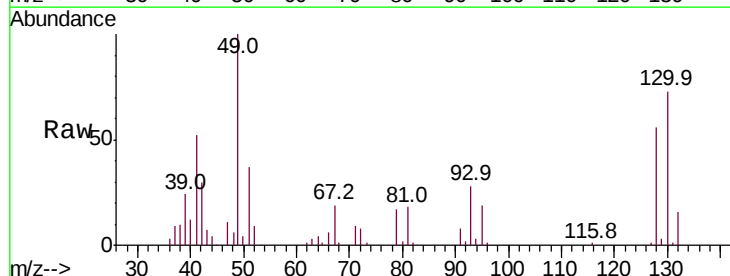
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



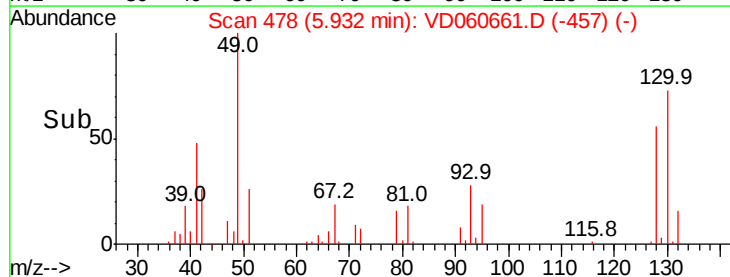
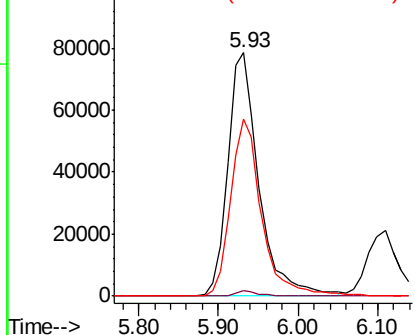
#28

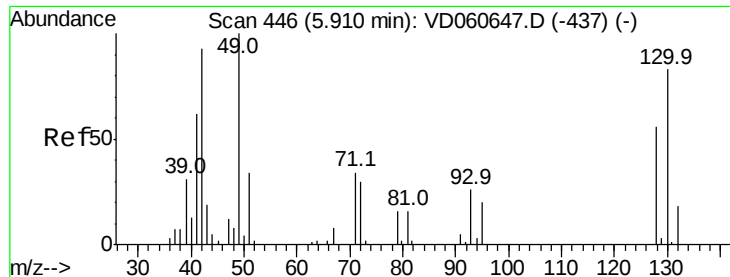
Bromochloromethane
Concen: 19.009 ug/l
RT: 5.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 49 Resp: 213128
Ion Ratio Lower Upper
49 100
129 2.5 0.0 3.4
130 72.8 56.2 84.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 107.871 ug/l

RT: 5.96 min Scan# 481

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

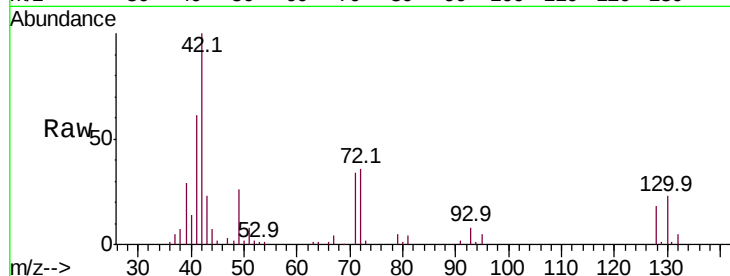
Tot Ion: 42 Resp: 206655

Ion Ratio Lower Upper

42 100

72 33.8 28.0 42.0

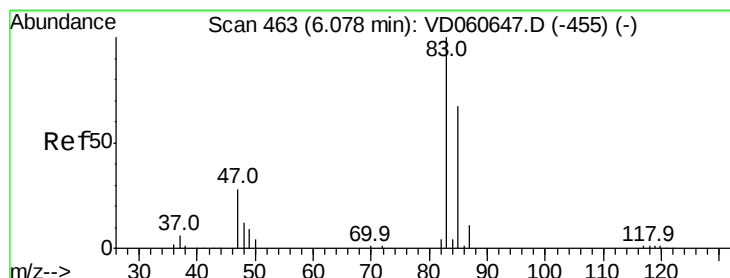
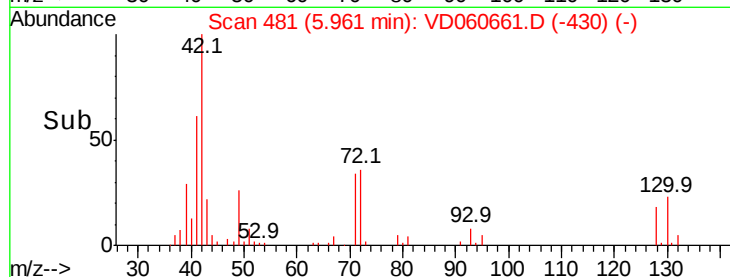
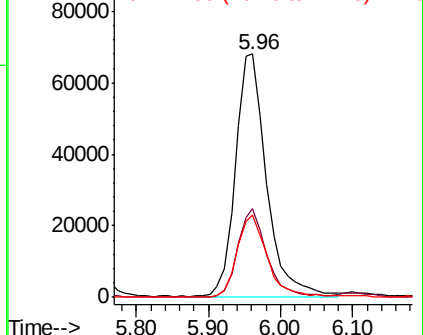
71 32.6 27.0 40.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.543 ug/l

RT: 6.11 min Scan# 496

Delta R.T. 0.01 min

Lab File: VD060661.D

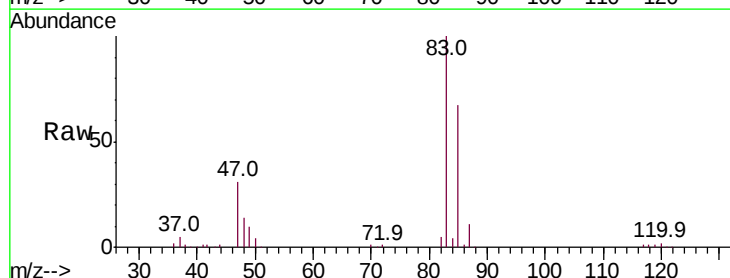
Acq: 20 Dec 2018 16:33

Tgt Ion: 83 Resp: 575320

Ion Ratio Lower Upper

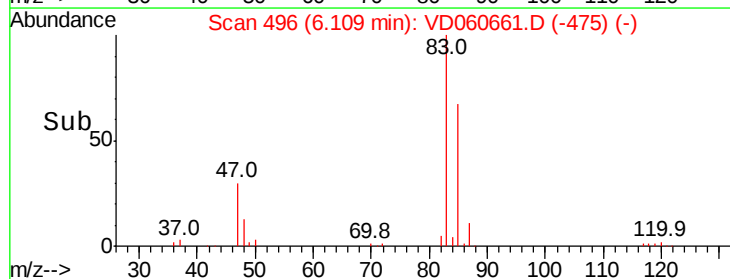
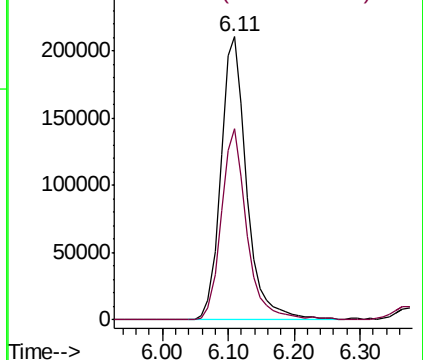
83 100

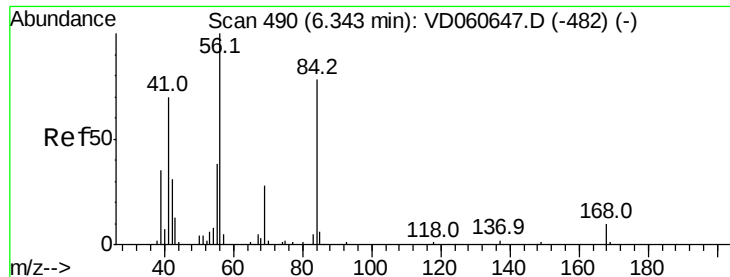
85 67.5 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

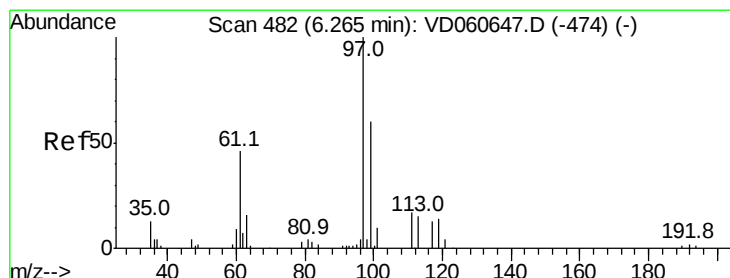
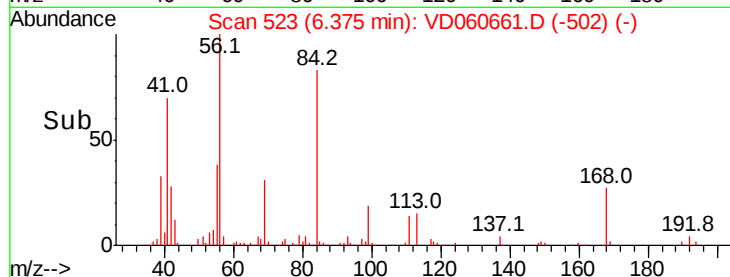
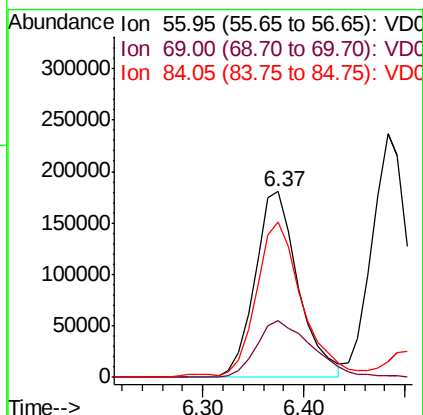
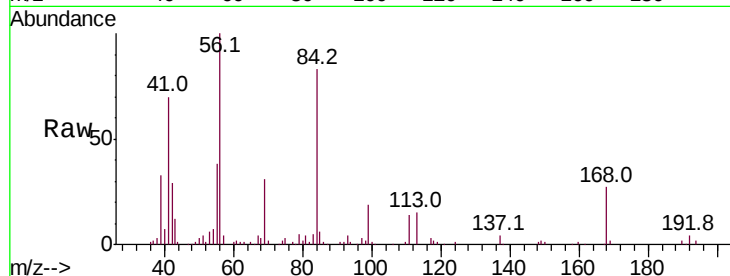




#31
Cyclohexane
Concen: 21.066 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

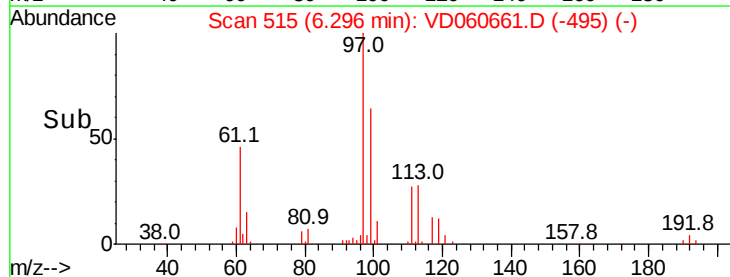
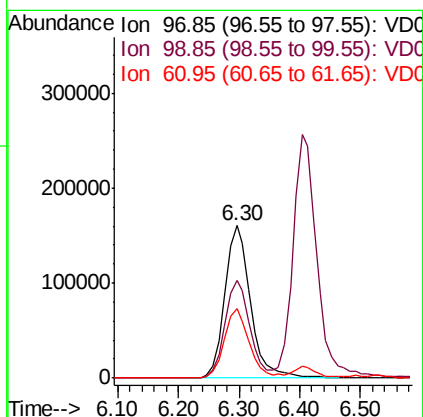
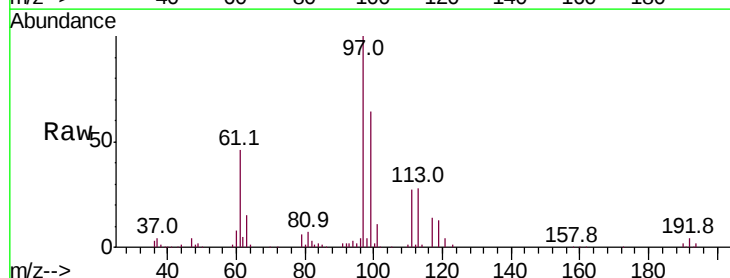
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

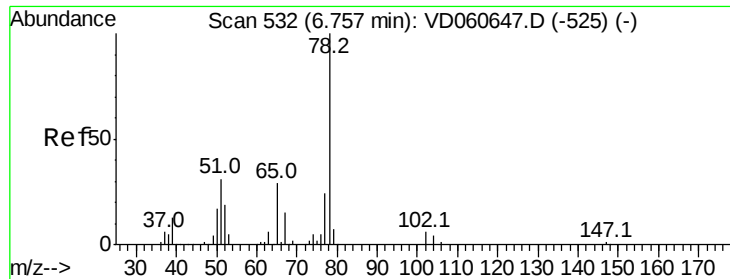
Tot Ion: 56 Resp: 538043
Ion Ratio Lower Upper
56 100
69 30.5 23.6 35.4
84 83.5 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 21.432 ug/l
RT: 6.30 min Scan# 515
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 97 Resp: 473527
Ion Ratio Lower Upper
97 100
99 63.8 50.5 75.7
61 45.9 34.6 51.8

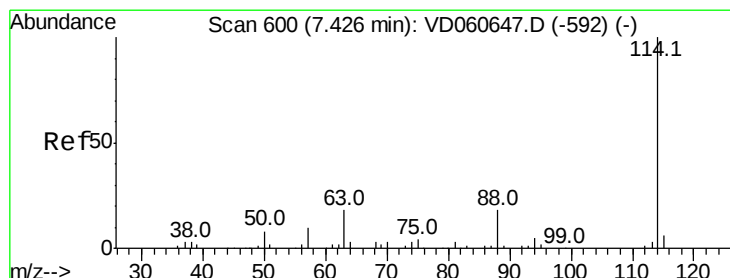
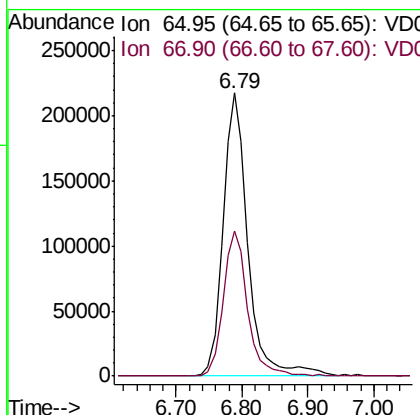
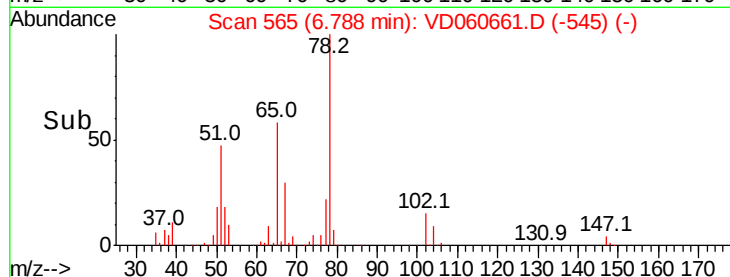
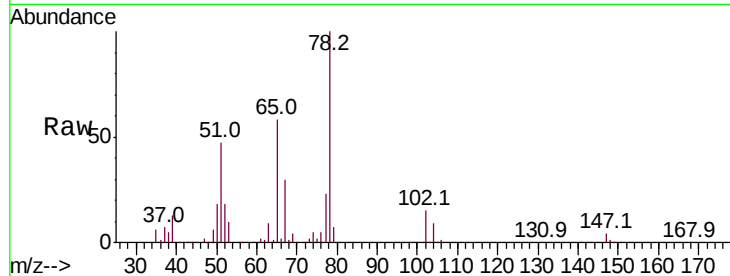




#33
 1,2-Dichloroethane-d4
 Concen: 21.432 ug/l
 RT: 6.79 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

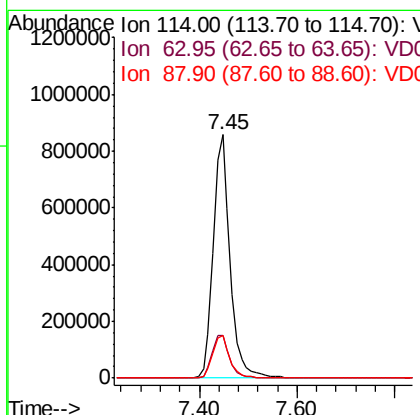
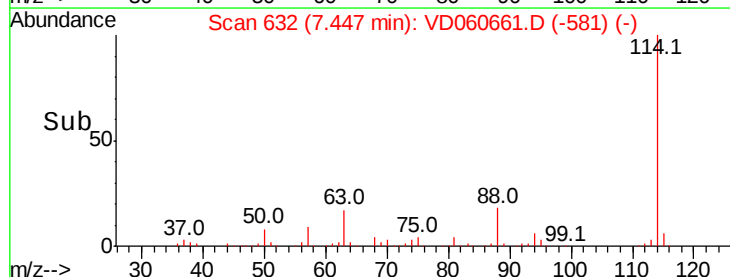
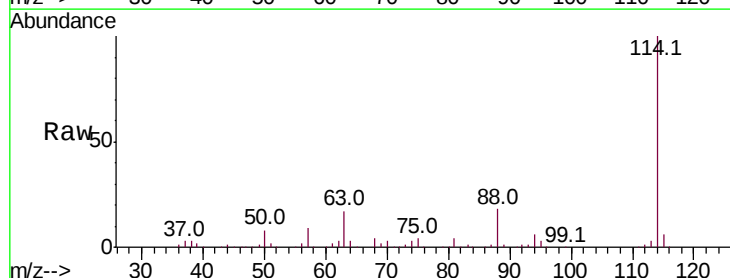
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

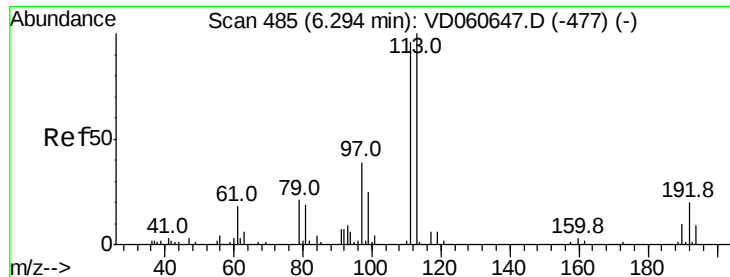
Tot Ion: 65 Resp: 570551
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 114 Resp: 2061617
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.2
 88 17.7 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

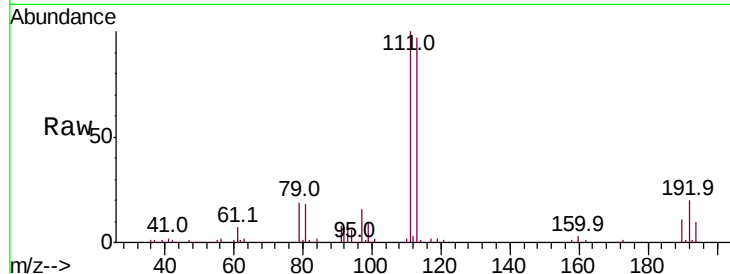
Tot Ion:113 Resp: 817133

Ion Ratio Lower Upper

113 100

111 103.3 80.0 120.0

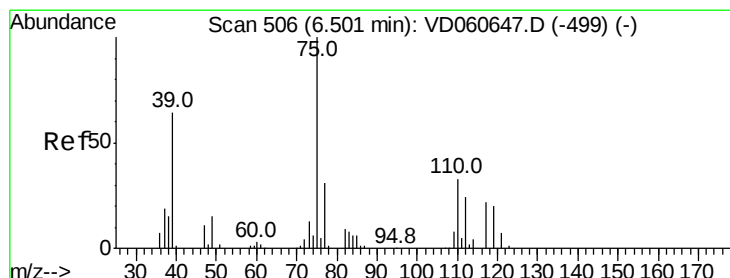
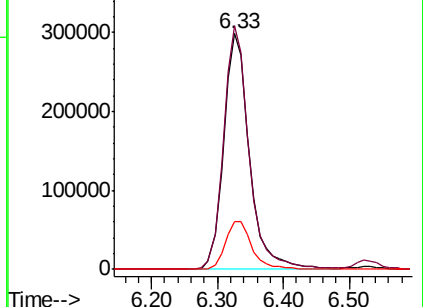
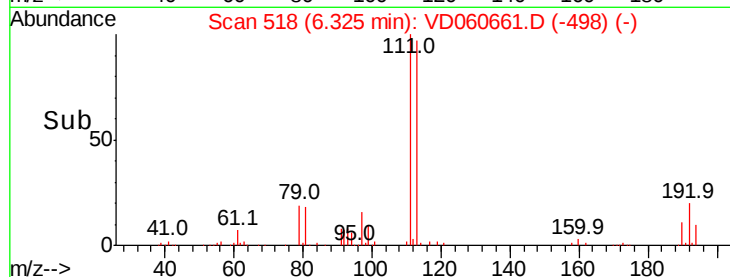
192 20.2 16.6 25.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.649 ug/l

RT: 6.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

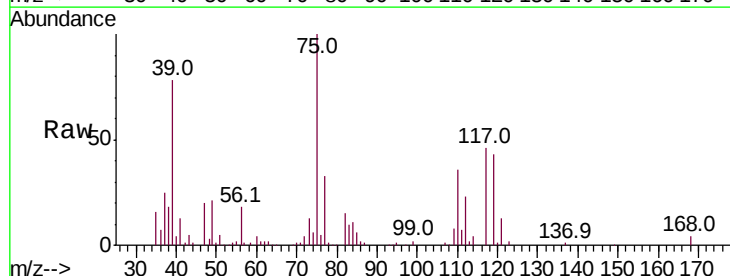
Tgt Ion: 75 Resp: 438355

Ion Ratio Lower Upper

75 100

110 35.9 18.9 56.7

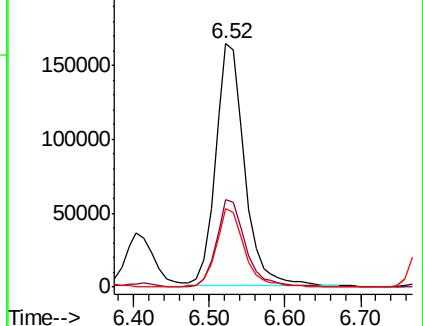
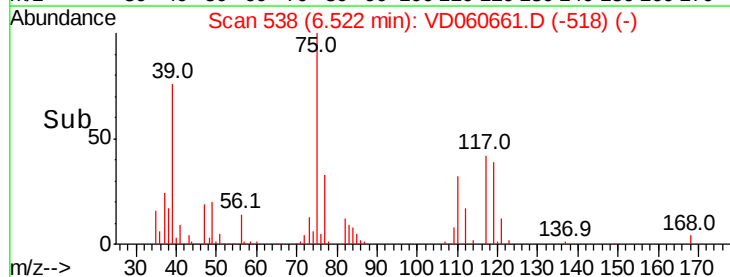
77 32.5 25.4 38.0

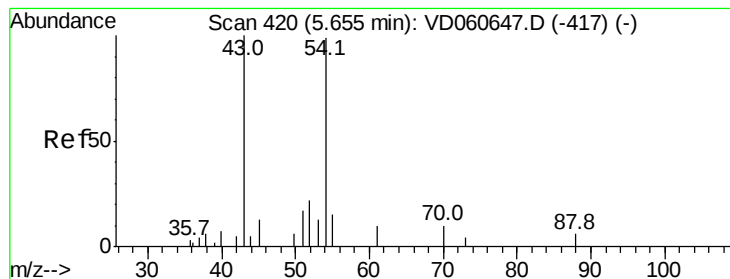


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 22.094 ug/l

RT: 5.71 min Scan# 455

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

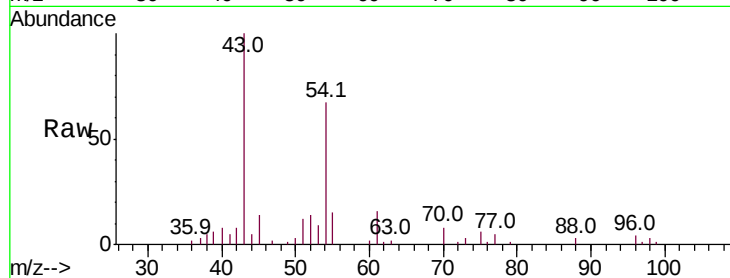
Tot Ion: 43 Resp: 196162

Ion Ratio Lower Upper

43 100

61 15.7 11.8 17.6

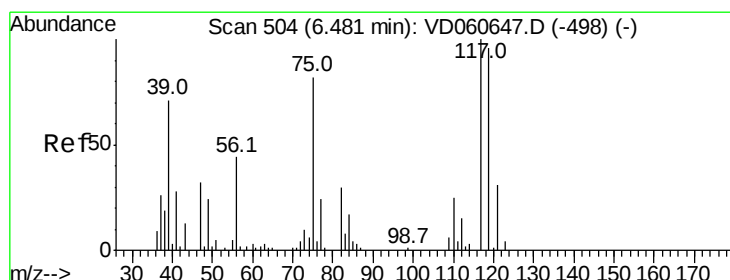
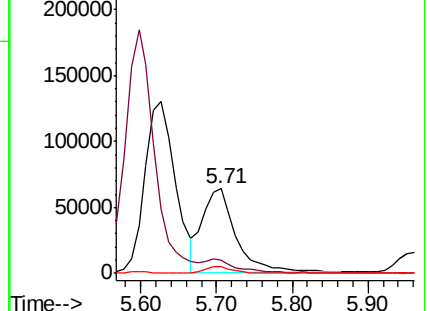
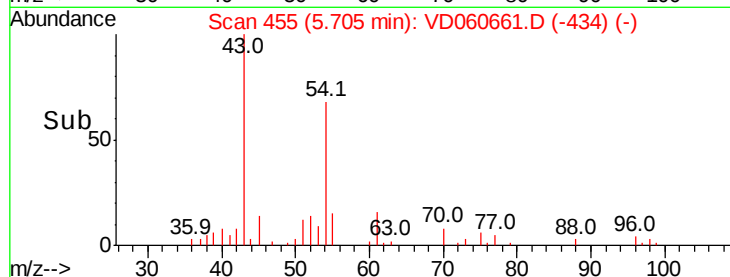
70 7.6 5.8 8.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.412 ug/l

RT: 6.50 min Scan# 536

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

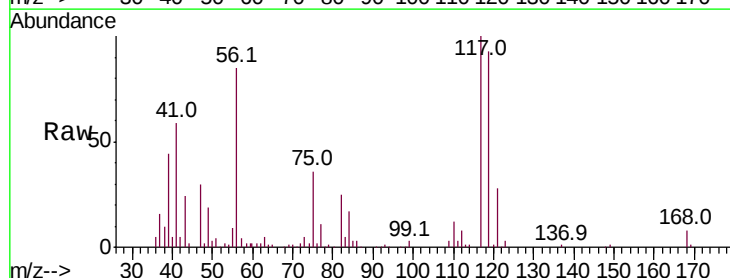
Tgt Ion: 117 Resp: 401023

Ion Ratio Lower Upper

117 100

119 93.1 77.0 115.4

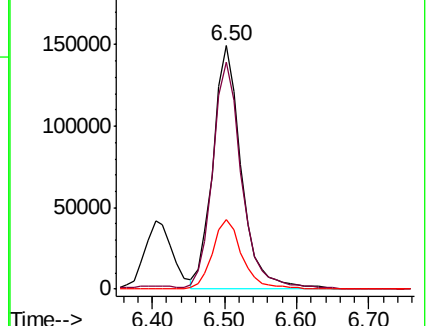
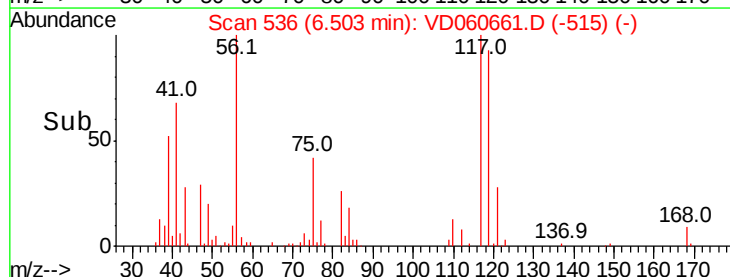
121 28.5 24.7 37.1

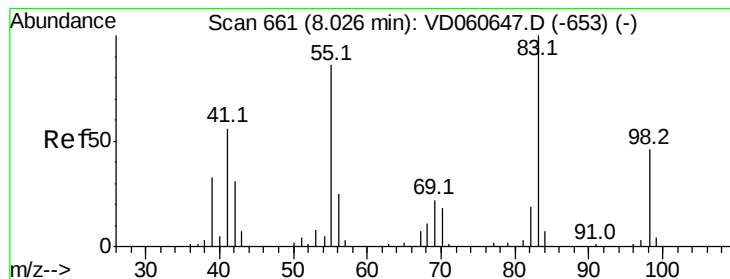


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 20.942 ug/l

RT: 8.04 min Scan# 692

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

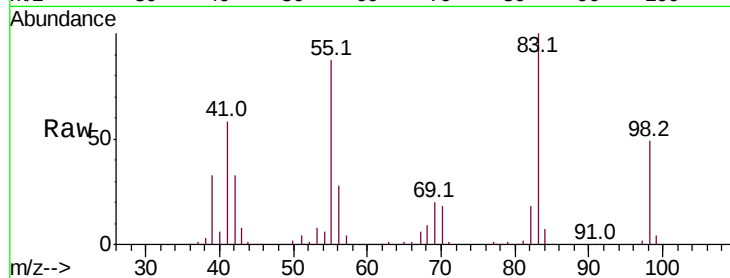
Tot Ion: 83 Resp: 507051

Ion Ratio Lower Upper

83 100

55 87.3 68.6 102.8

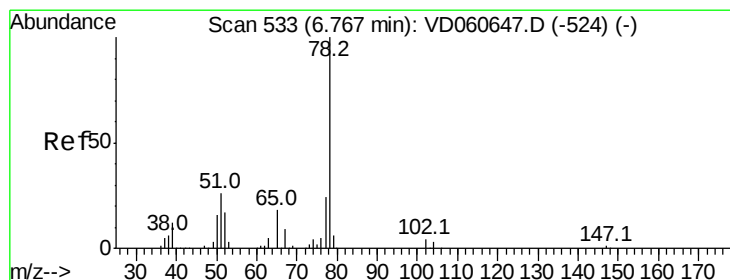
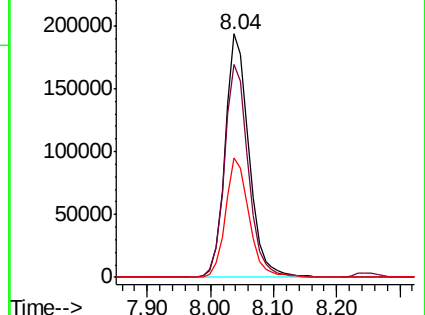
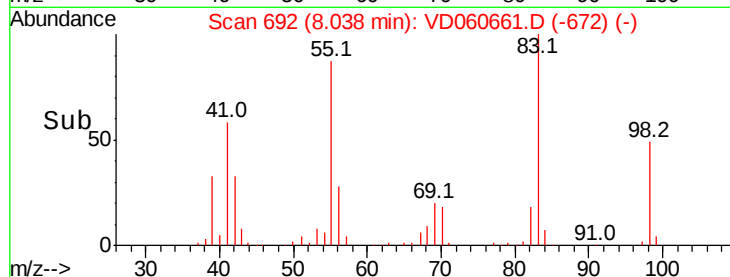
98 49.2 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.995 ug/l

RT: 6.80 min Scan# 566

Delta R.T. -0.00 min

Lab File: VD060661.D

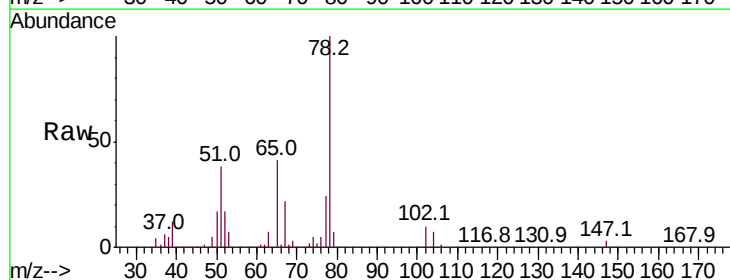
Acq: 20 Dec 2018 16:33

Tgt Ion: 78 Resp: 1151276

Ion Ratio Lower Upper

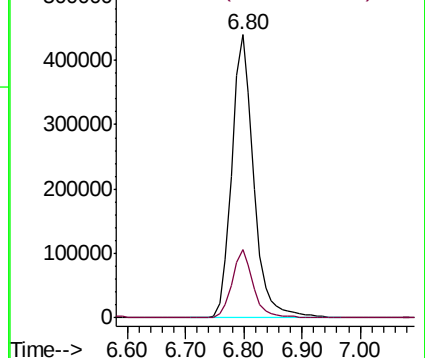
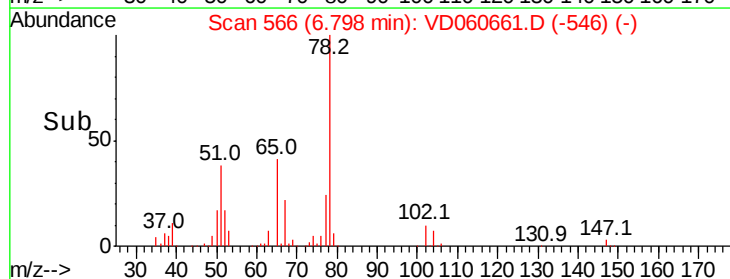
78 100

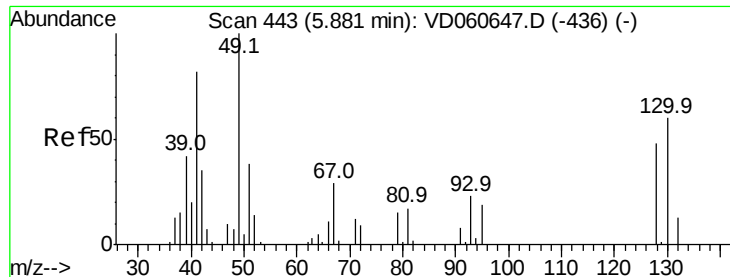
77 24.0 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

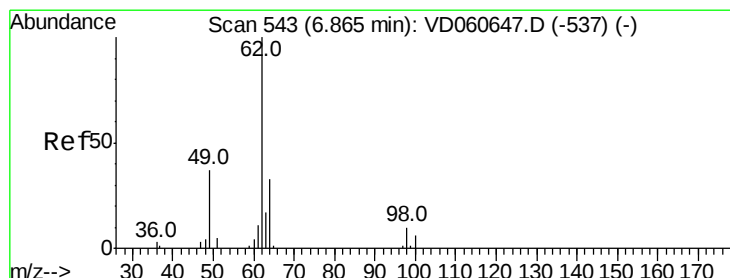
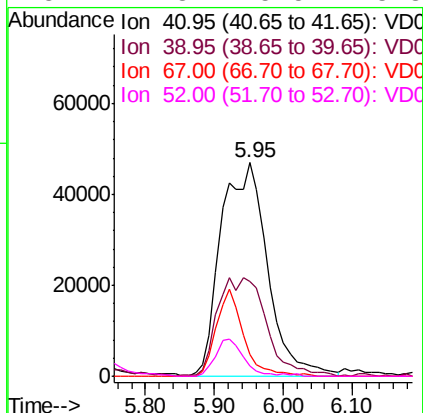
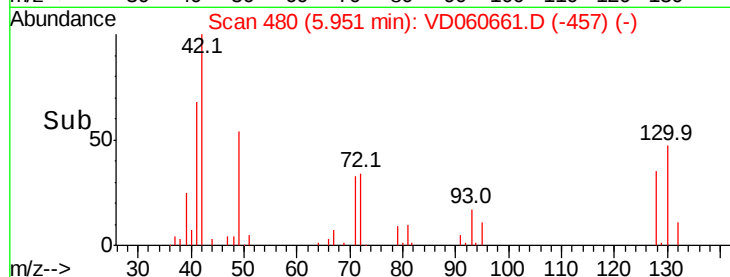
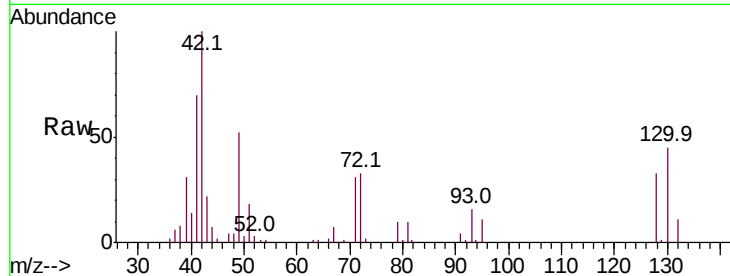




#41
Methacrylonitrile
Concen: 44.831 ug/l
RT: 5.95 min Scan# 480
Delta R.T. 0.03 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

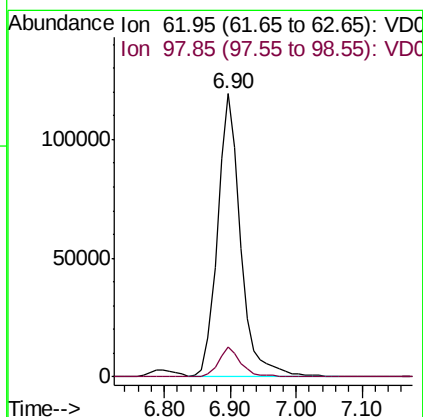
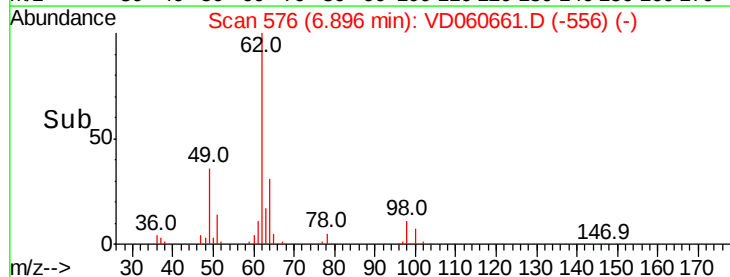
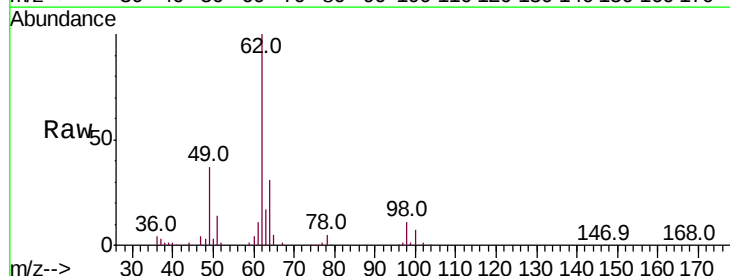
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

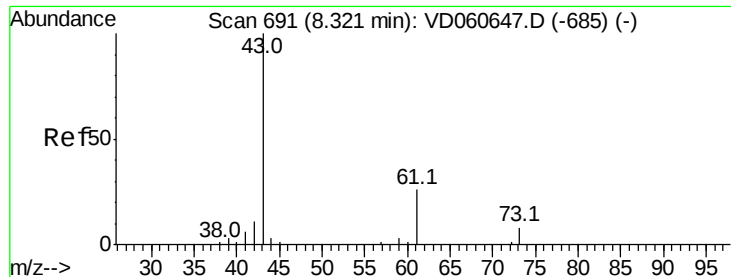
Tot Ion	Ratio	Lower	Upper
41	100		
39	44.4	37.6	56.4
67	10.1	33.0	49.6
52	4.8	15.5	23.3



#42
1,2-Dichloroethane
Concen: 21.355 ug/l
RT: 6.90 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4



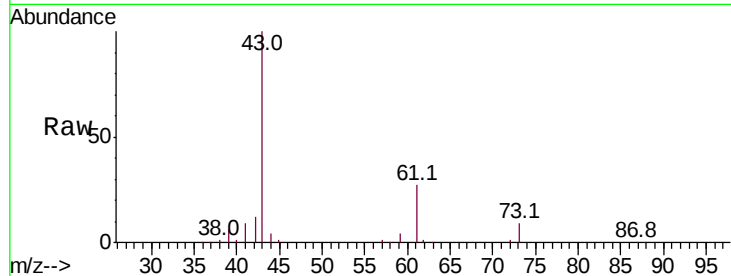


#43

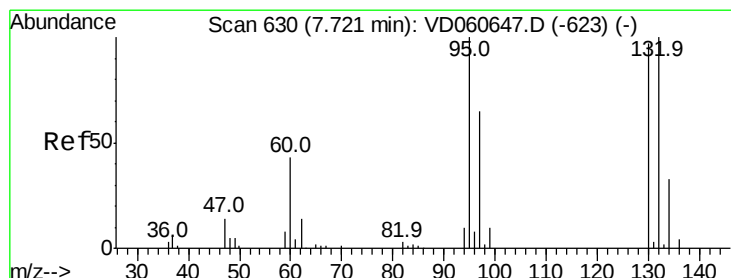
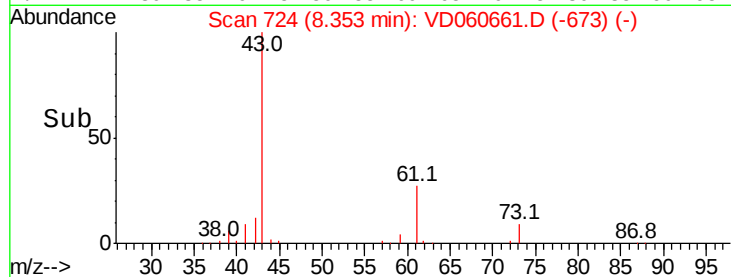
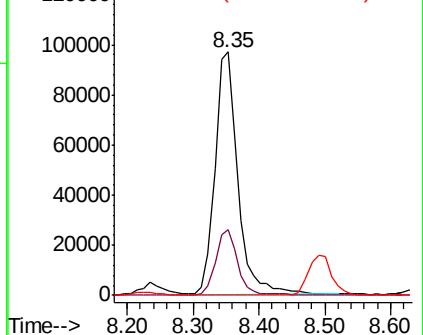
Isopropyl Acetate
 Concen: 20.298 ug/l
 RT: 8.35 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tot Ion: 43 Resp: 231271
 Ion Ratio Lower Upper
 43 100
 61 27.1 21.8 32.8
 87 0.3 0.2 0.4



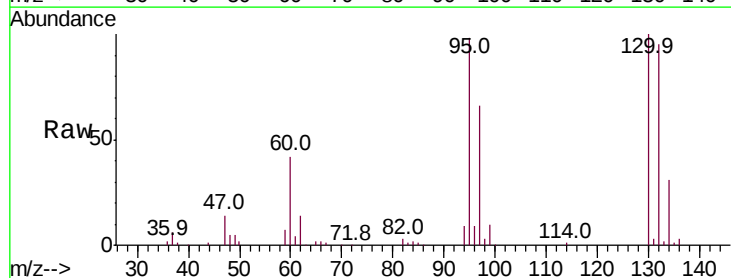
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



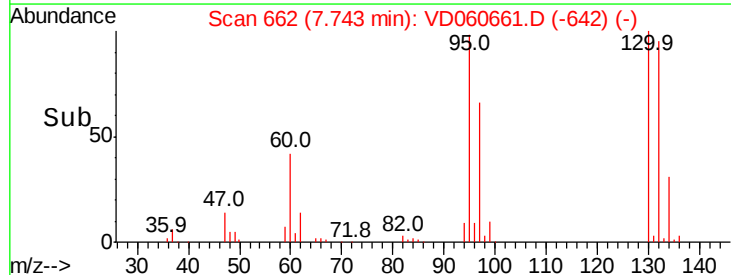
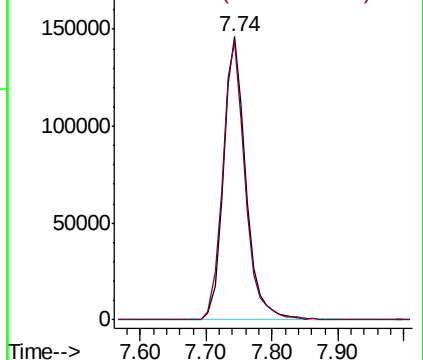
#44

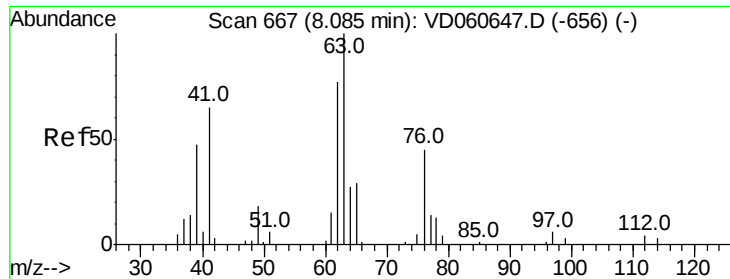
Trichloroethene
 Concen: 21.287 ug/l
 RT: 7.74 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion:130 Resp: 345496
 Ion Ratio Lower Upper
 130 100
 95 98.4 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: 20.271 ug/l

RT: 8.11 min Scan# 699

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

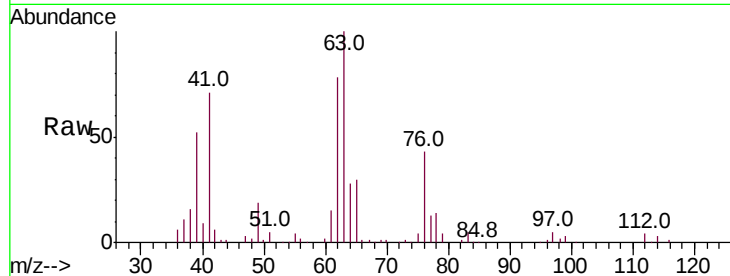
VD1220SBS01

Tot Ion: 63 Resp: 272603

Ion Ratio Lower Upper

63 100

65 29.6 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

120000

100000

80000

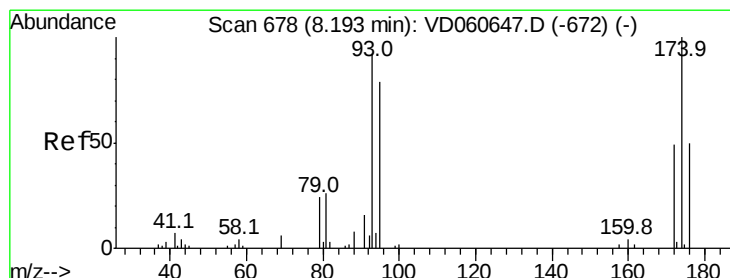
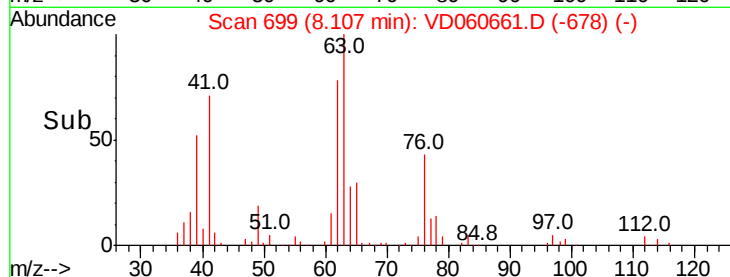
60000

40000

20000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 20.859 ug/l

RT: 8.21 min Scan# 710

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

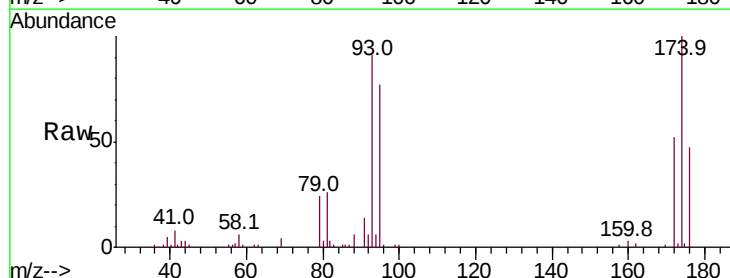
Tgt Ion: 93 Resp: 160100

Ion Ratio Lower Upper

93 100

95 84.7 68.8 103.2

174 110.4 93.0 139.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.21

100000

80000

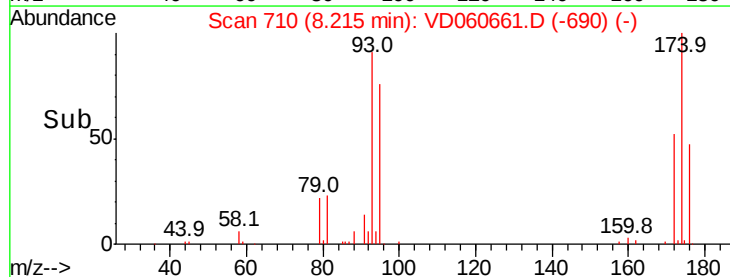
60000

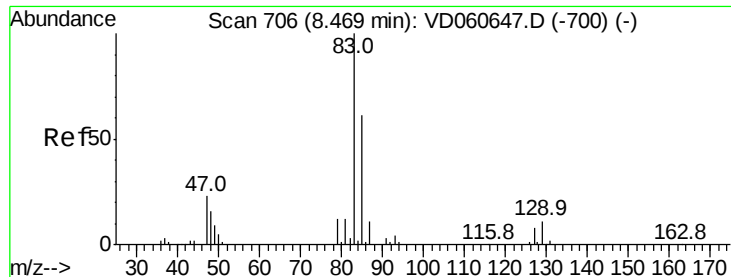
40000

20000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 20.482 ug/l

RT: 8.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

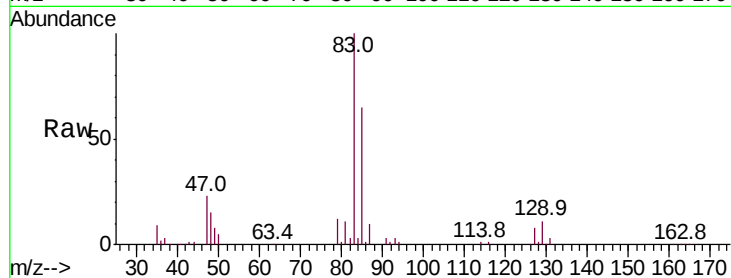
Tot Ion: 83 Resp: 372336

Ion Ratio Lower Upper

83 100

85 65.3 51.1 76.7

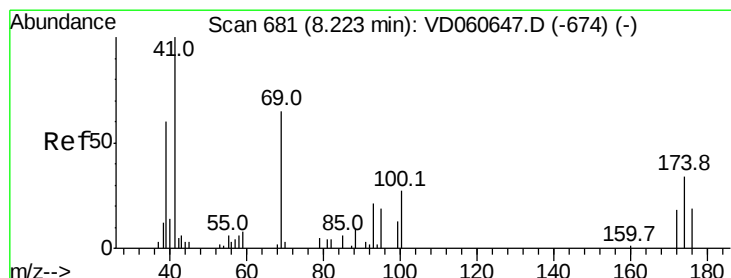
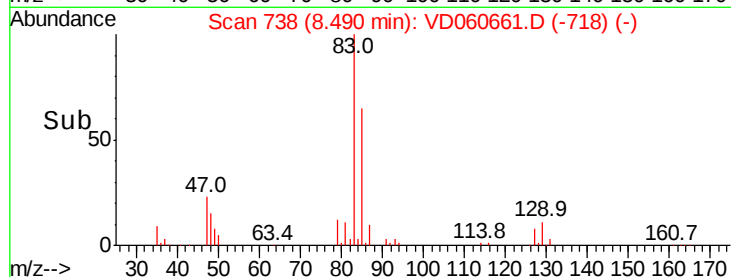
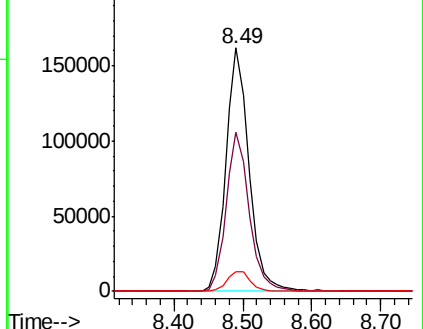
127 8.3 7.0 10.6



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.207 ug/l

RT: 8.24 min Scan# 713

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

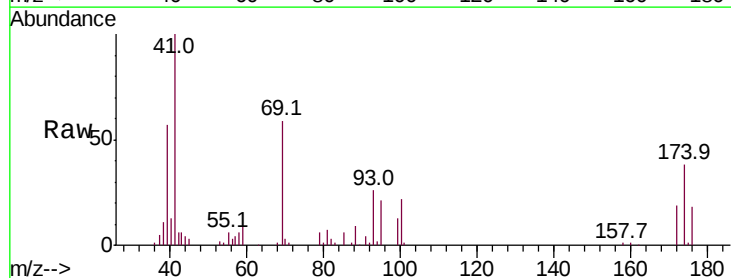
Tgt Ion: 41 Resp: 146756

Ion Ratio Lower Upper

41 100

69 58.9 51.2 76.8

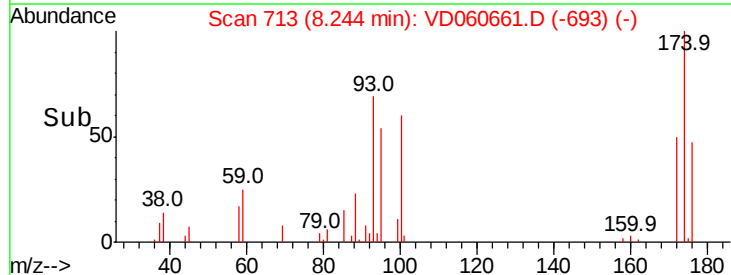
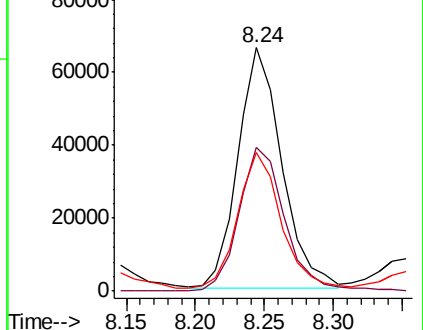
39 56.9 44.6 67.0

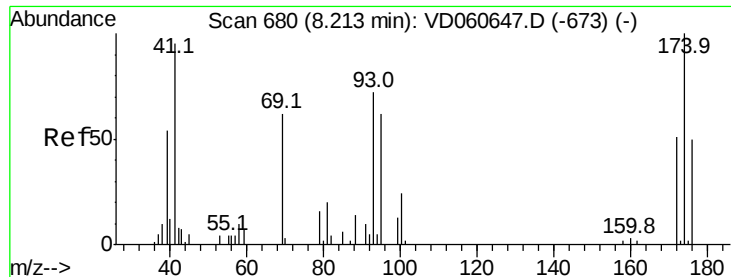


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 395.774 ug/l

RT: 8.23 min Scan# 712

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

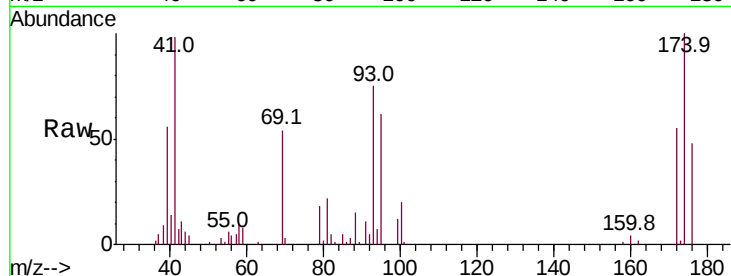
Tot Ion: 88 Resp: 25465

Ion Ratio Lower Upper

88 100

43 69.7 31.5 47.3#

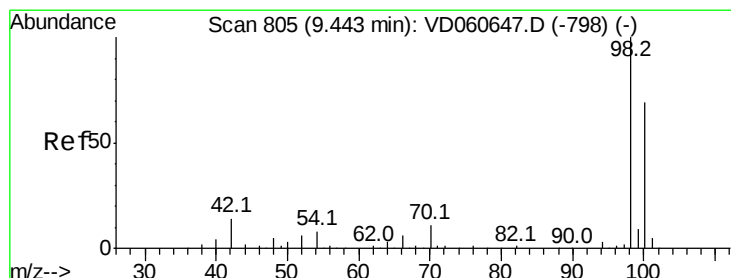
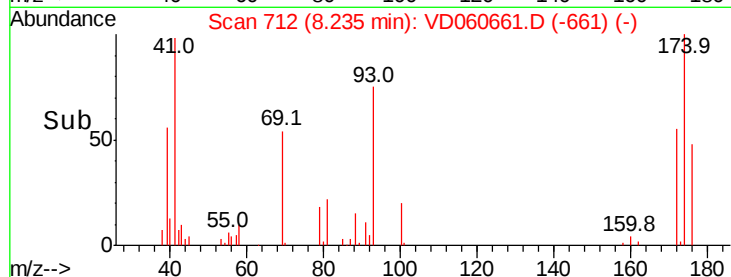
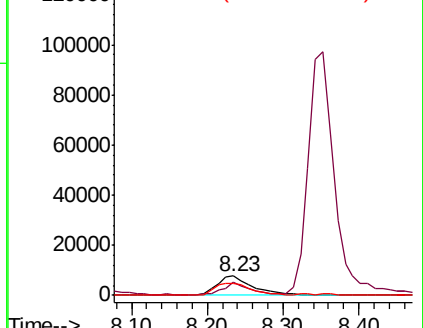
58 61.9 50.6 76.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 395.774 ug/l

RT: 9.45 min Scan# 836

Delta R.T. -0.00 min

Lab File: VD060661.D

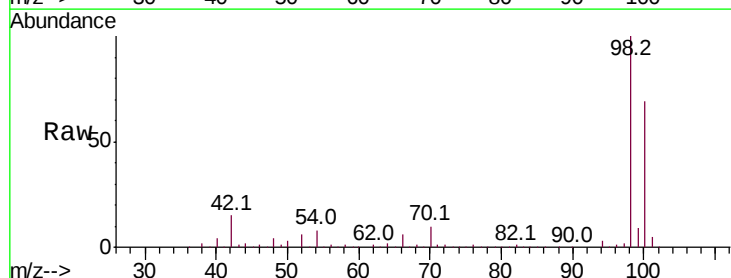
Acq: 20 Dec 2018 16:33

Tgt Ion: 98 Resp: 2393280

Ion Ratio Lower Upper

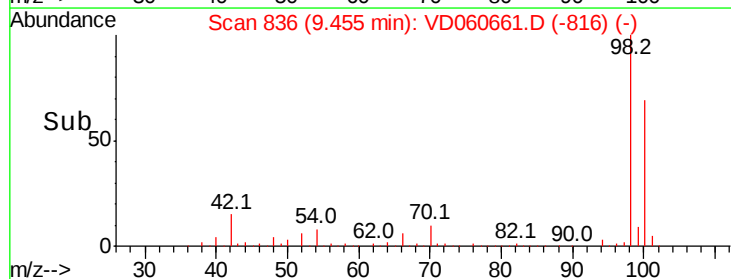
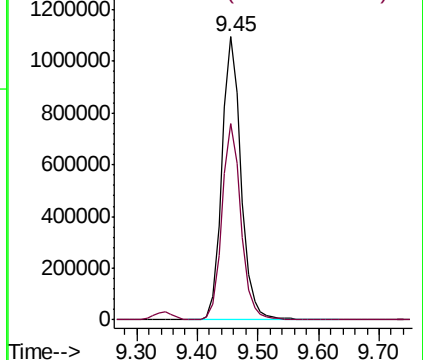
98 100

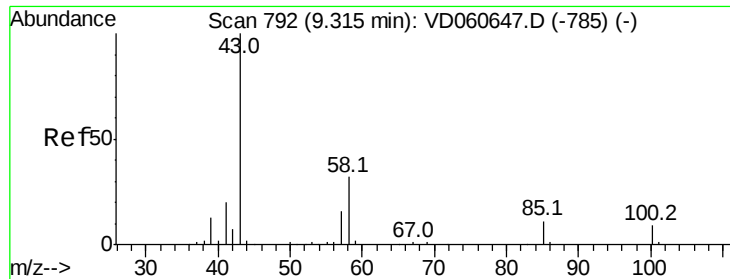
100 69.4 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 106.259 ug/l

RT: 9.35 min Scan# 825

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

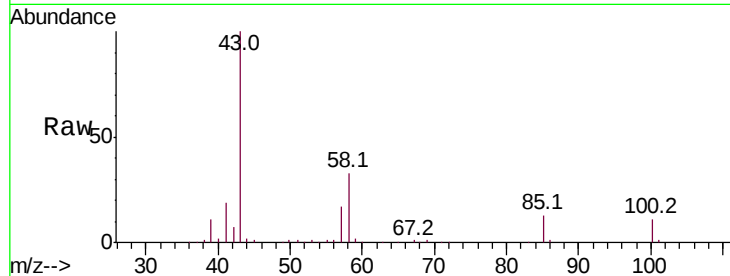
VD1220SBS01

Tot Ion: 43 Resp: 741750

Ion Ratio Lower Upper

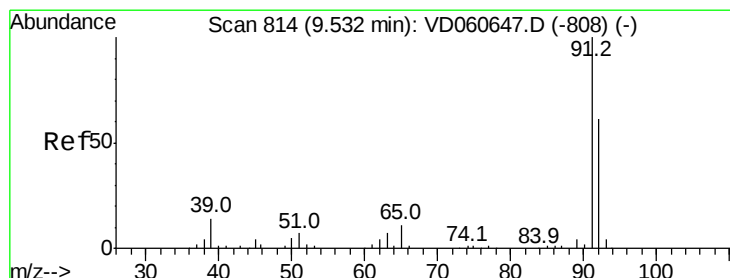
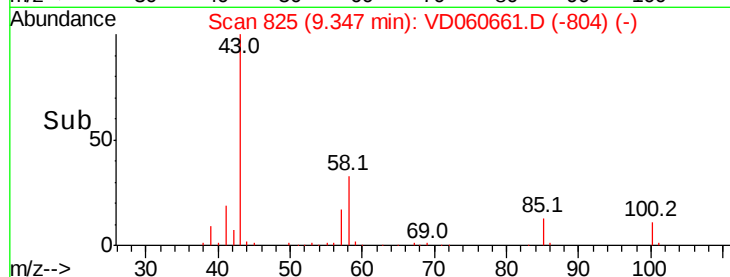
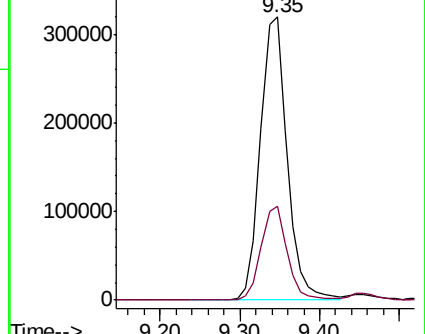
43 100

58 33.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.906 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.01 min

Lab File: VD060661.D

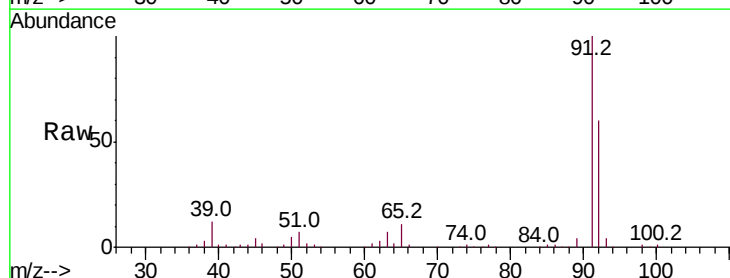
Acq: 20 Dec 2018 16:33

Tgt Ion: 92 Resp: 718672

Ion Ratio Lower Upper

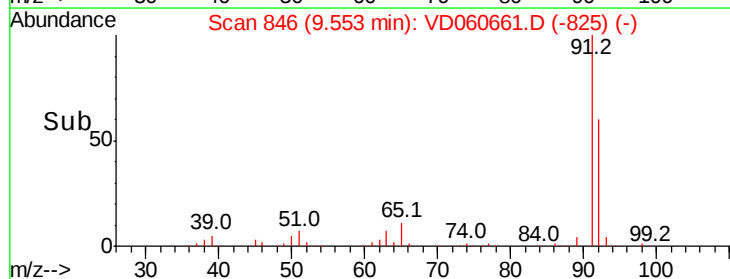
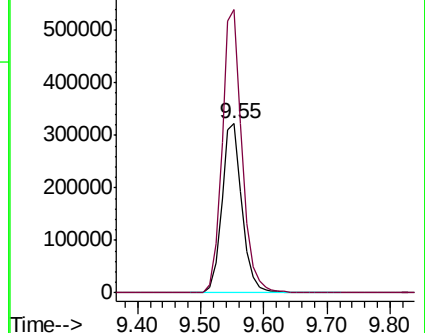
92 100

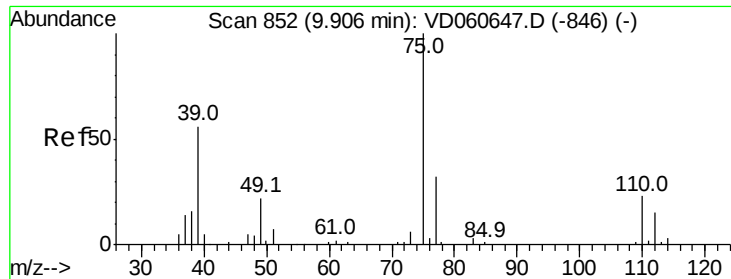
91 167.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

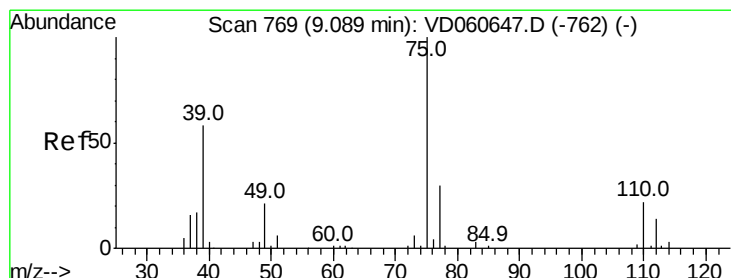
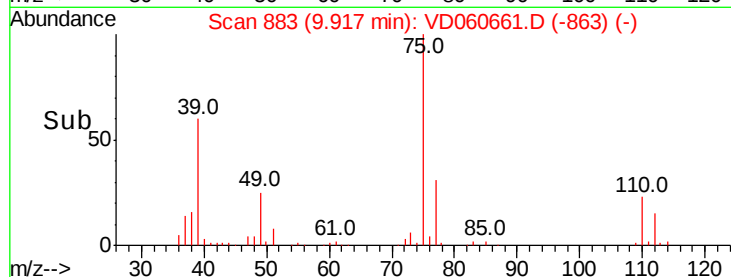
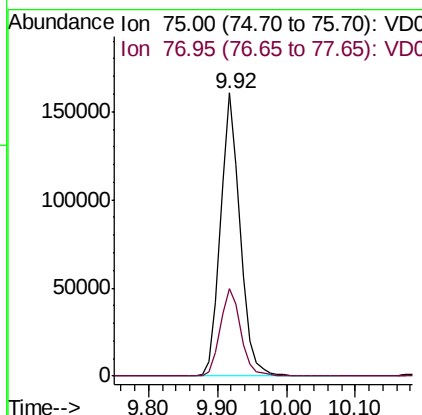
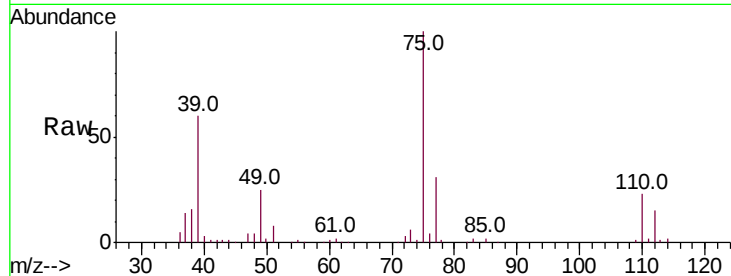




#53
 t-1,3-Dichloropropene
 Concen: 20.842 ug/l
 RT: 9.92 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

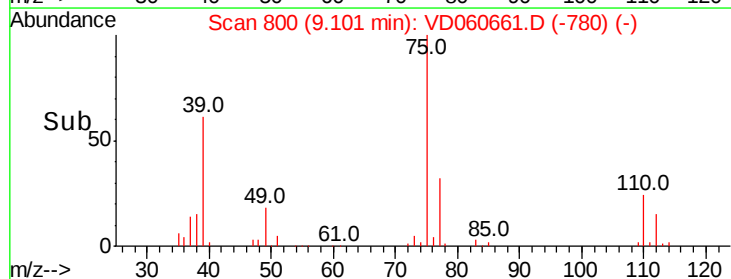
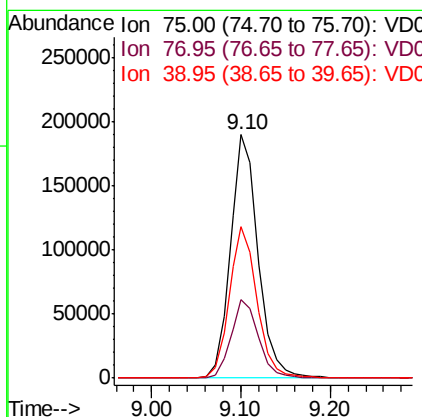
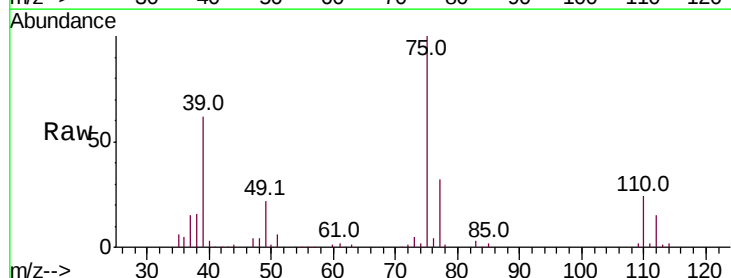
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

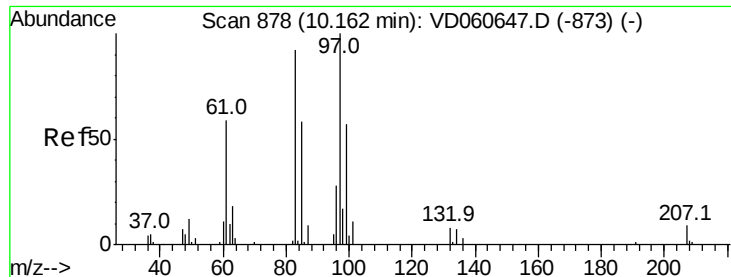
Tot Ion: 75 Resp: 316097
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.742 ug/l
 RT: 9.10 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 75 Resp: 411754
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2
 39 62.2 47.0 70.4

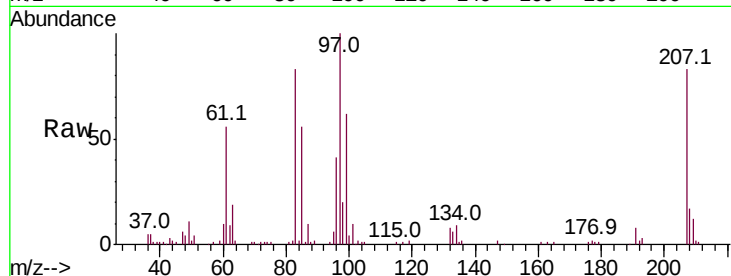




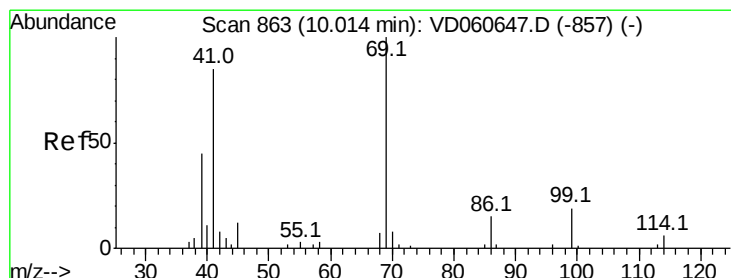
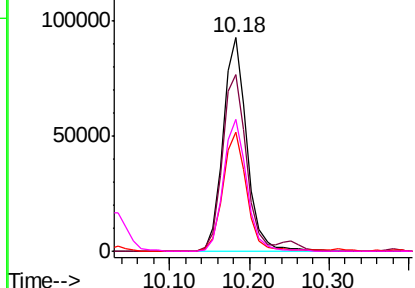
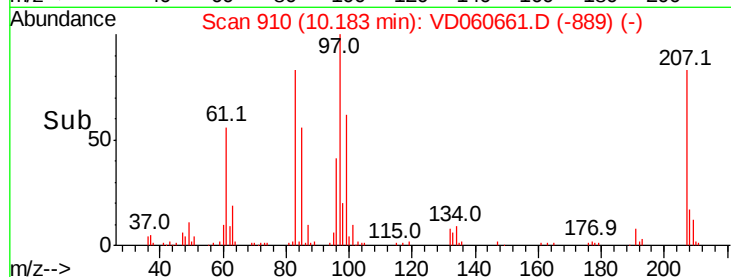
#55
 1,1,2-Trichloroethane
 Concen: 21.012 ug/l
 RT: 10.18 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tot Ion: 97 Resp: 194341
 Ion Ratio Lower Upper
 97 100
 83 82.9 70.0 105.0
 85 55.7 46.6 70.0
 99 61.8 49.6 74.4

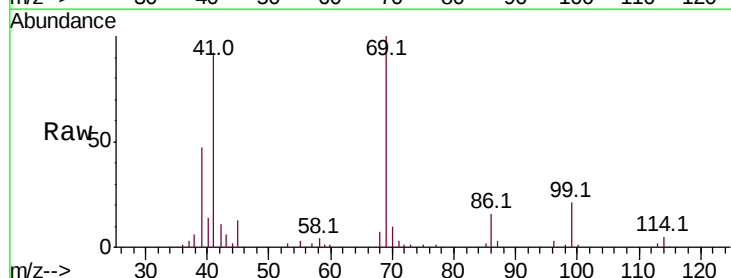


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

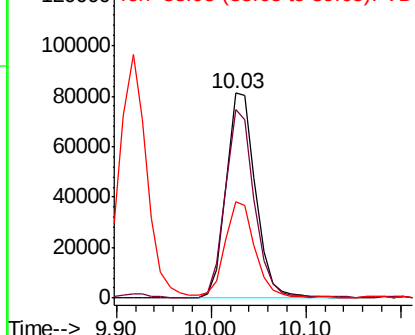
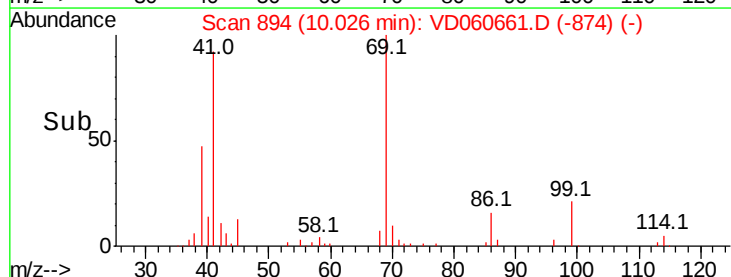


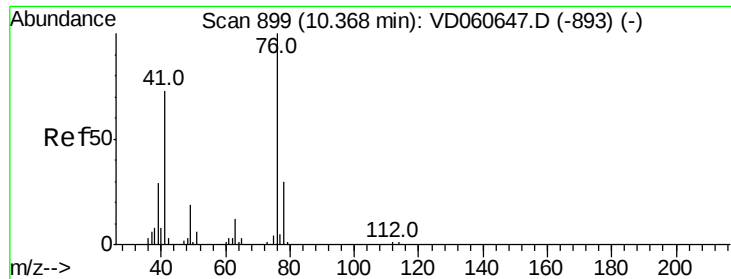
#56
 Ethyl methacrylate
 Concen: 20.452 ug/l
 RT: 10.03 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion: 69 Resp: 175701
 Ion Ratio Lower Upper
 69 100
 41 92.3 68.3 102.5
 39 46.8 37.2 55.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.685 ug/l

RT: 10.38 min Scan# 930

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

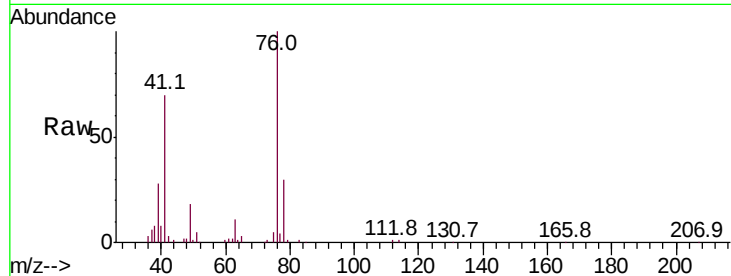
VD1220SBS01

Tot Ion: 76 Resp: 303251

Ion Ratio Lower Upper

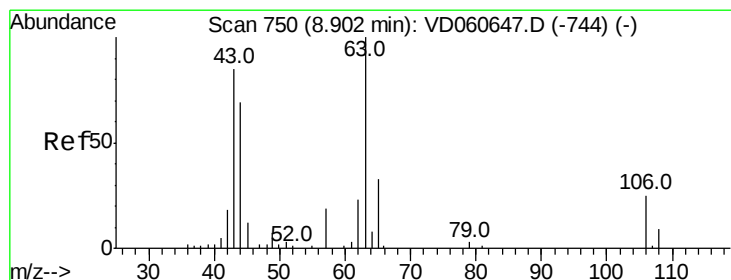
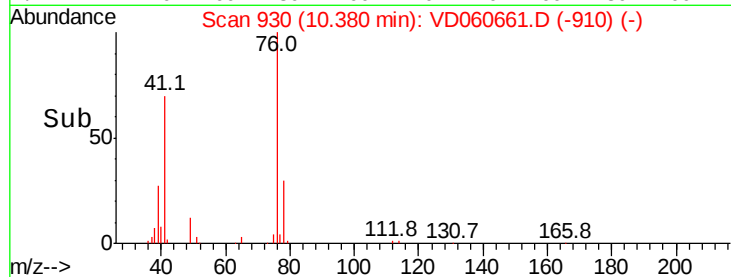
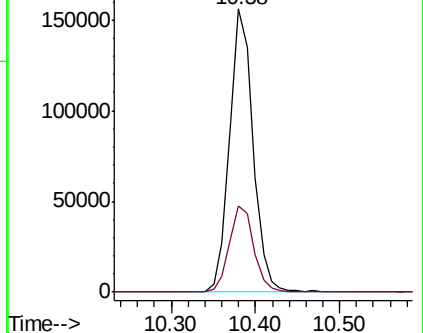
76 100

78 30.5 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.267 ug/l

RT: 8.92 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD060661.D

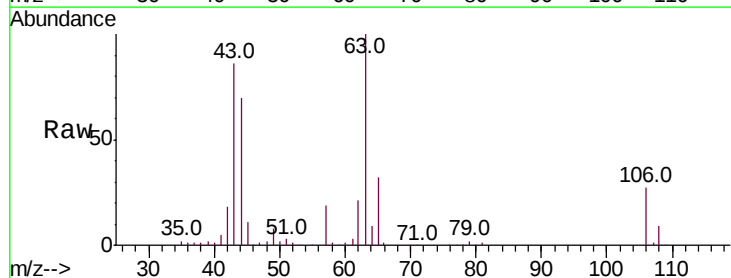
Acq: 20 Dec 2018 16:33

Tgt Ion: 63 Resp: 517676

Ion Ratio Lower Upper

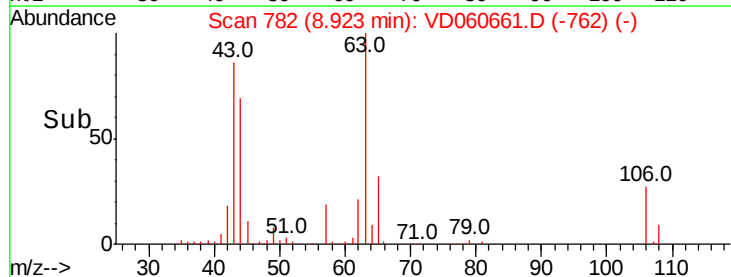
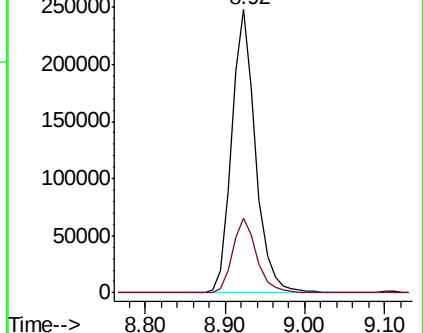
63 100

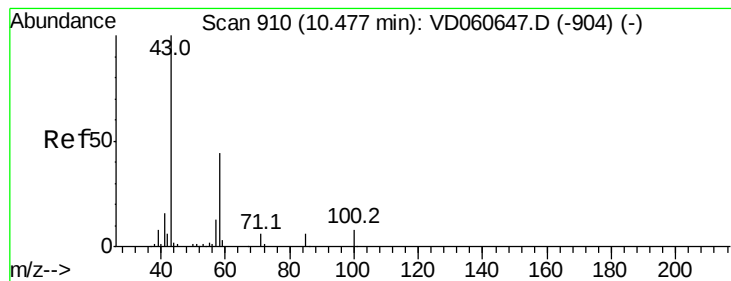
106 26.6 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 106.083 ug/l

RT: 10.49 min Scan# 941

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

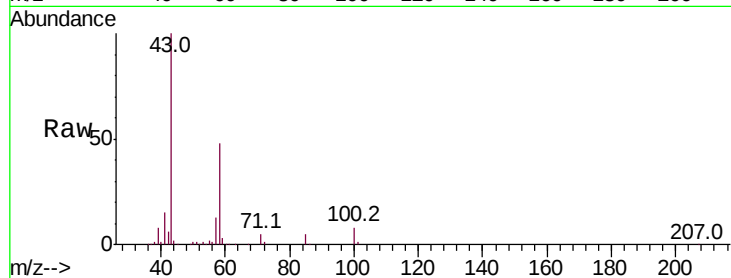
VD1220SBS01

Tot Ion: 43 Resp: 518338

Ion Ratio Lower Upper

43 100

58 47.8 23.5 70.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.49

300000

250000

200000

150000

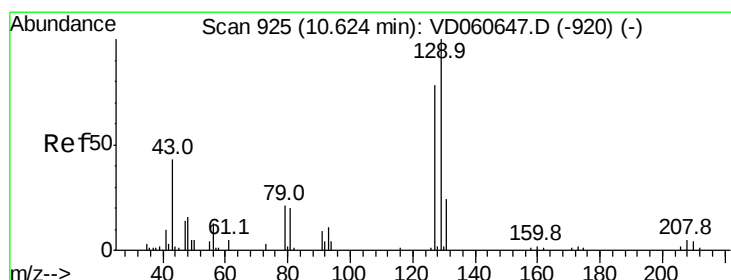
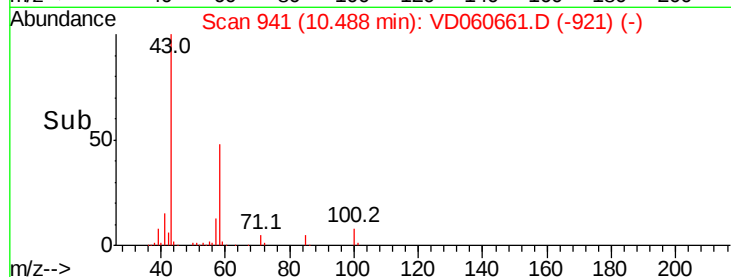
100000

50000

0

Time-->

10.40 10.50 10.60



#60

Dibromochloromethane

Concen: 20.542 ug/l

RT: 10.64 min Scan# 956

Delta R.T. -0.00 min

Lab File: VD060661.D

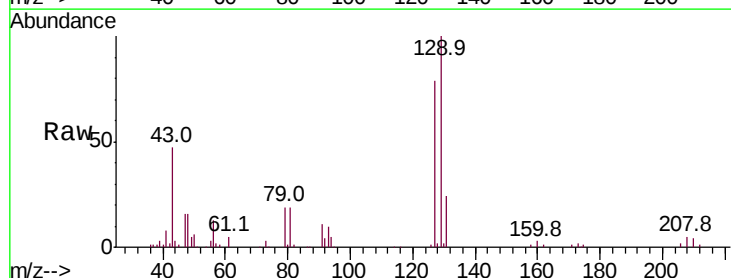
Acq: 20 Dec 2018 16:33

Tgt Ion: 129 Resp: 242017

Ion Ratio Lower Upper

129 100

127 79.2 37.6 112.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

150000

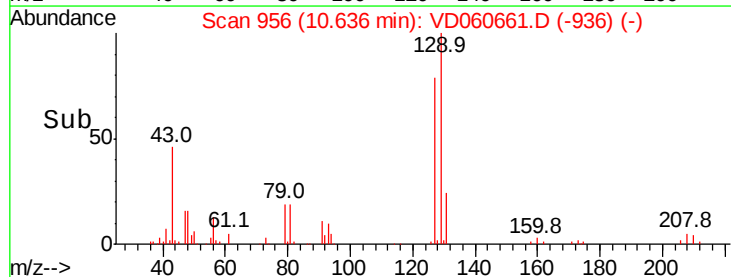
100000

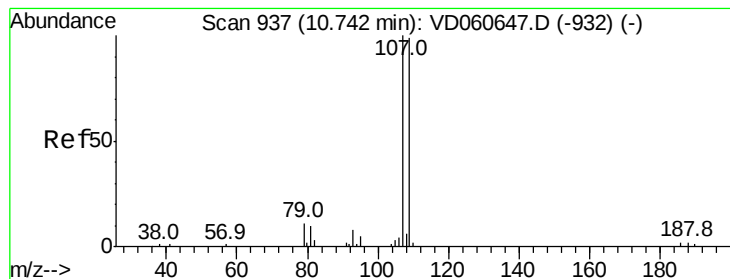
50000

0

Time-->

10.50 10.60 10.70





#61

1,2-Dibromoethane

Concen: 21.048 ug/l

RT: 10.75 min Scan# 968

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

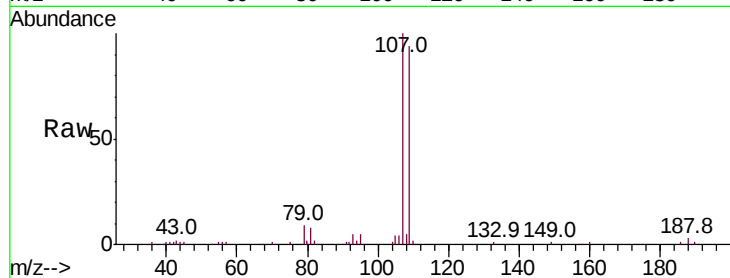
VD1220SBS01

Tot Ion:107 Resp: 201925

Ion Ratio Lower Upper

107 100

109 94.1 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

120000

100000

80000

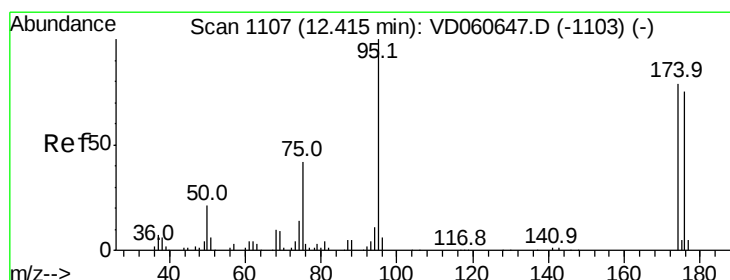
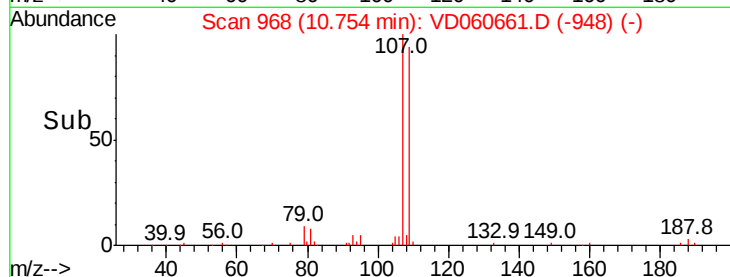
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.048 ug/l

RT: 12.43 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

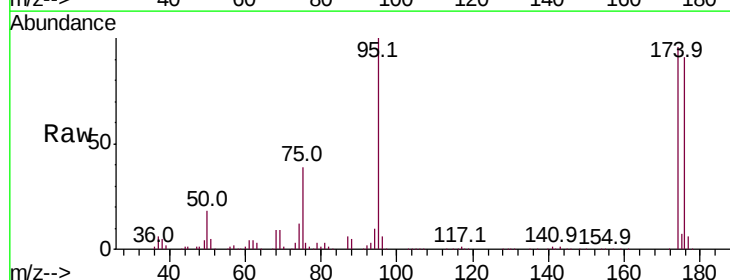
Tgt Ion: 95 Resp: 842490

Ion Ratio Lower Upper

95 100

174 96.0 0.0 158.2

176 91.0 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

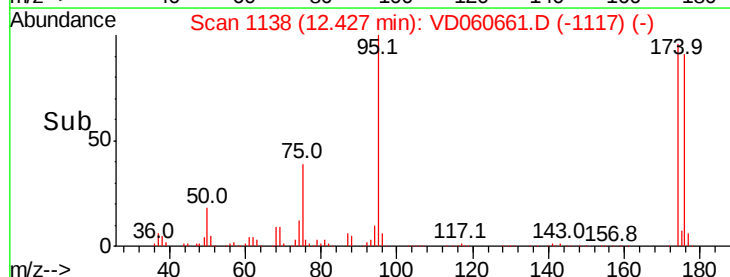
600000

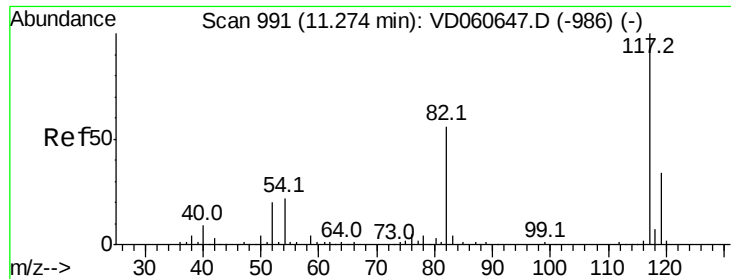
400000

200000

0

Time-->

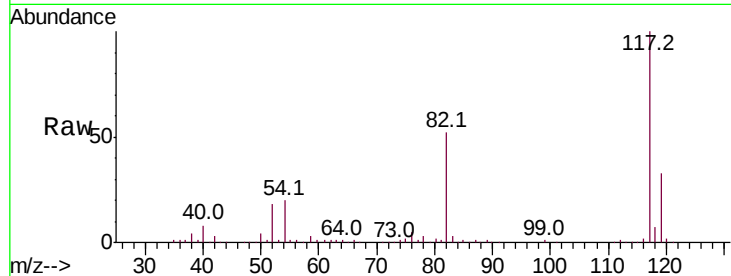




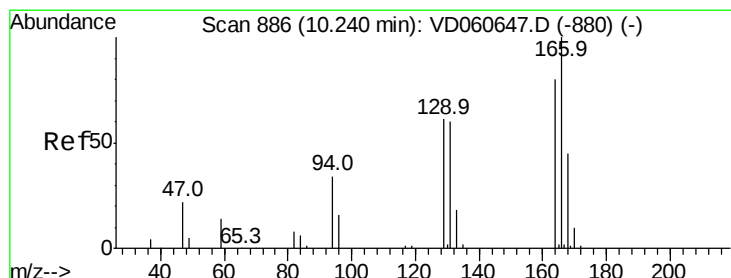
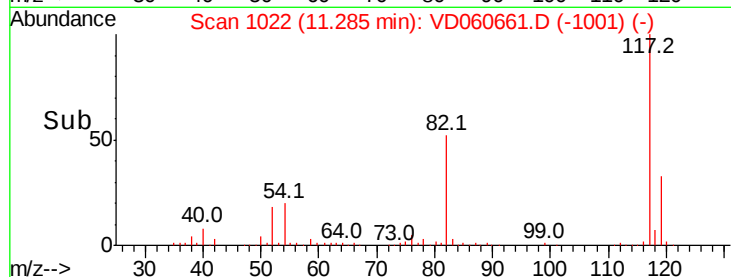
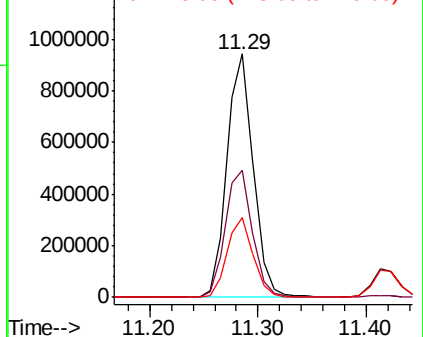
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion:117 Resp: 1595933
Ion Ratio Lower Upper
117 100
82 52.1 44.5 66.7
119 32.9 26.3 39.5

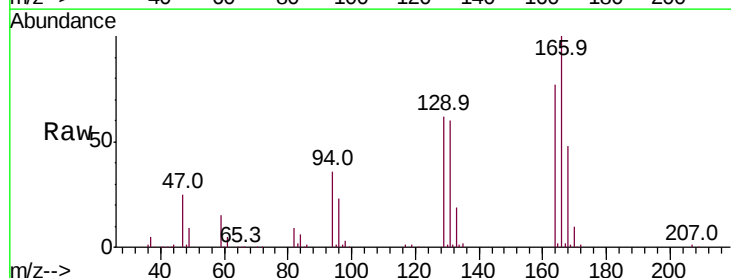


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

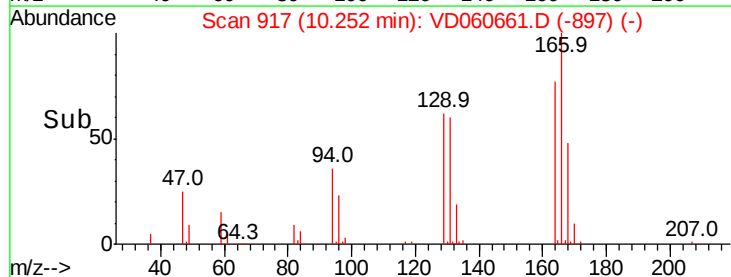
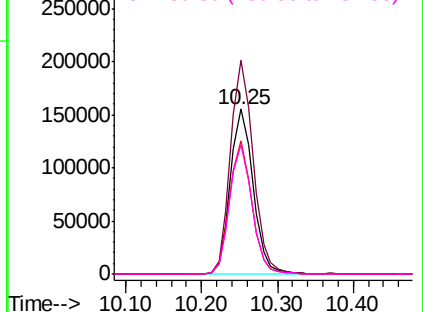


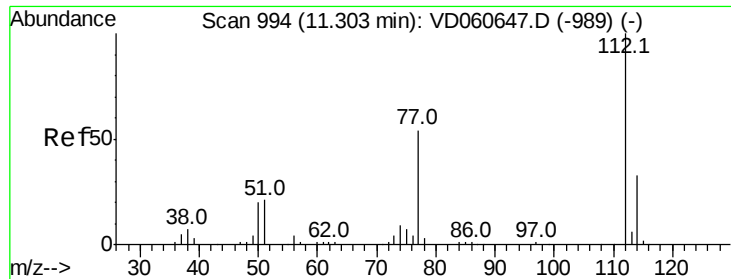
#64
Tetrachloroethene
Concen: 22.271 ug/l
RT: 10.25 min Scan# 917
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion:164 Resp: 322152
Ion Ratio Lower Upper
164 100
166 129.7 104.4 156.6
129 80.6 62.7 94.1
131 78.2 61.1 91.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

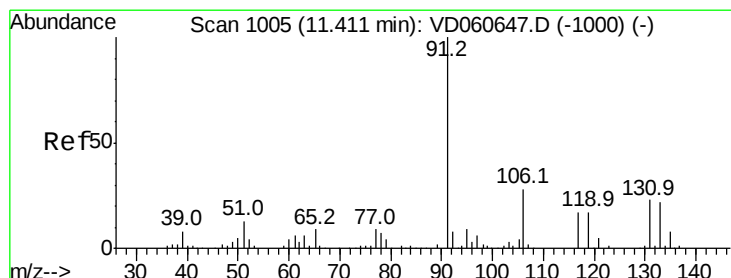
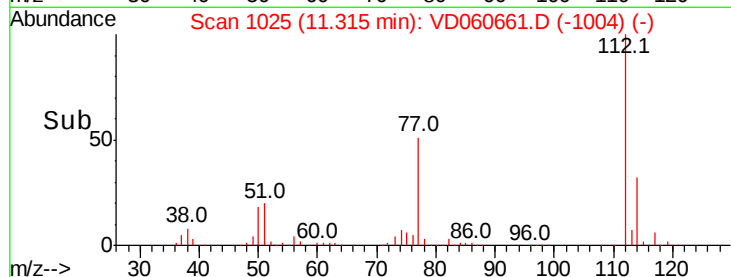
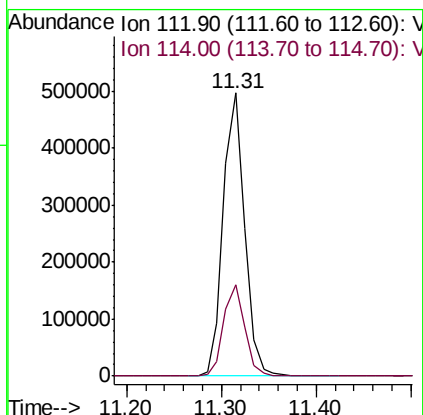
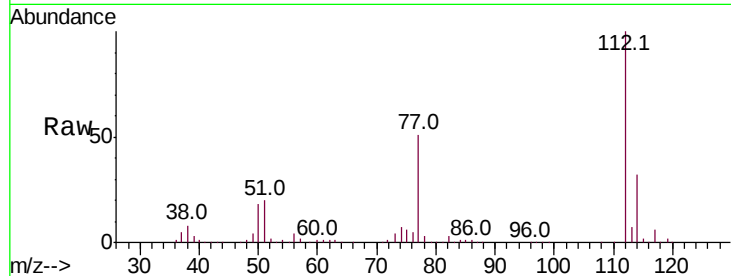




#65
Chlorobenzene
Concen: 22.129 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

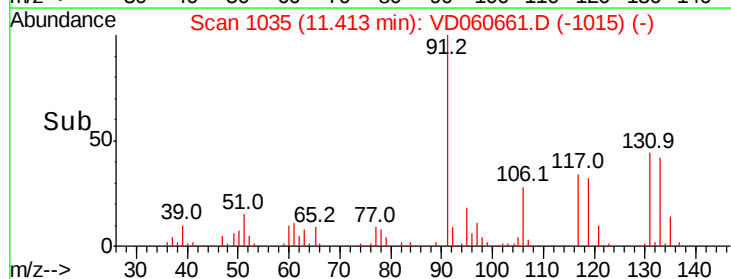
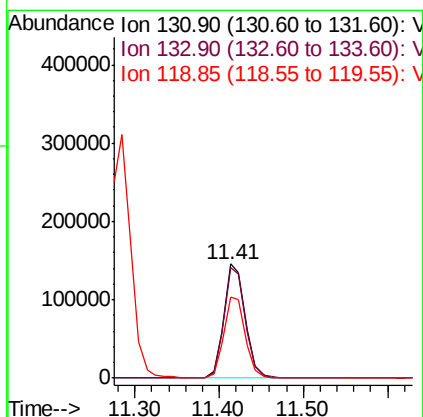
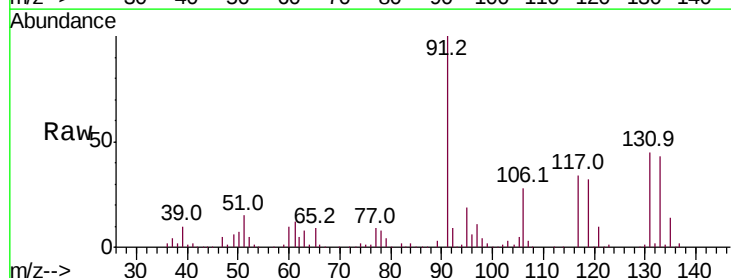
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

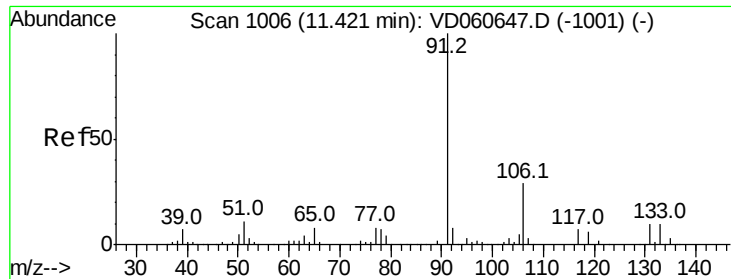
Tot Ion:112 Resp: 780277
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 22.448 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion:131 Resp: 254496
Ion Ratio Lower Upper
131 100
133 96.8 49.1 147.3
119 71.5 36.6 109.8

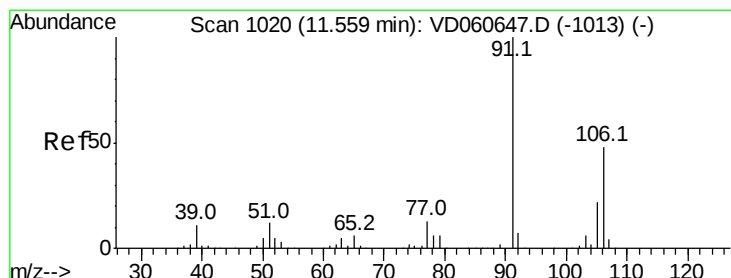
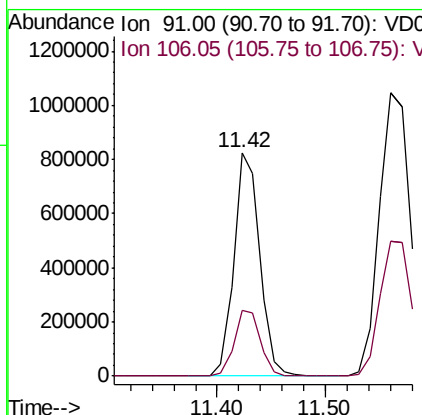
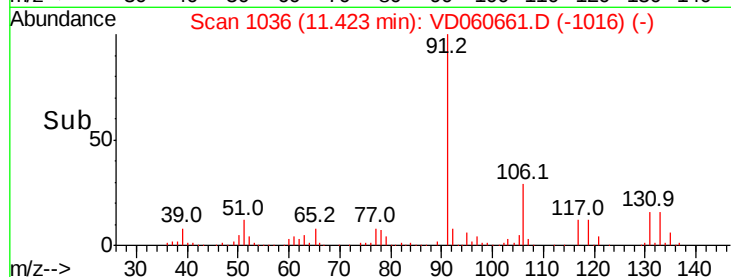
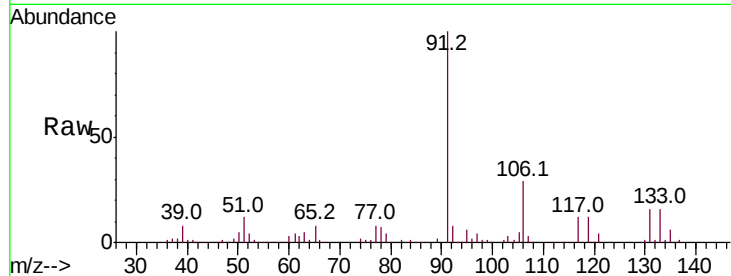




#67
Ethyl Benzene
Concen: 22.559 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

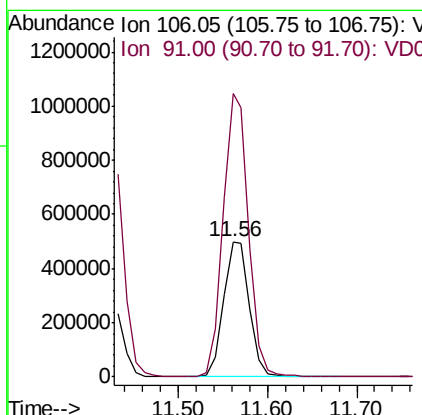
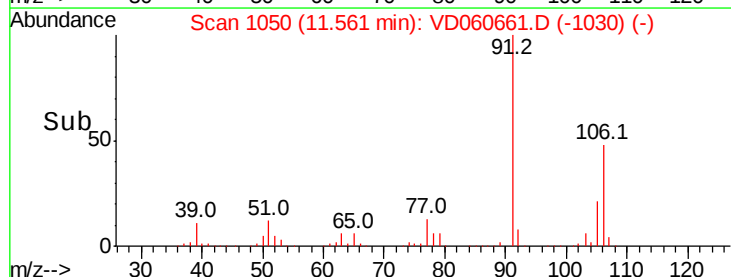
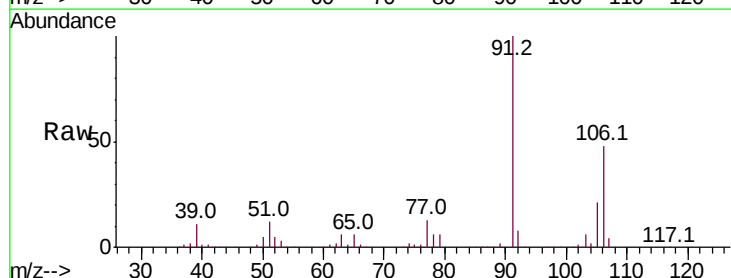
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

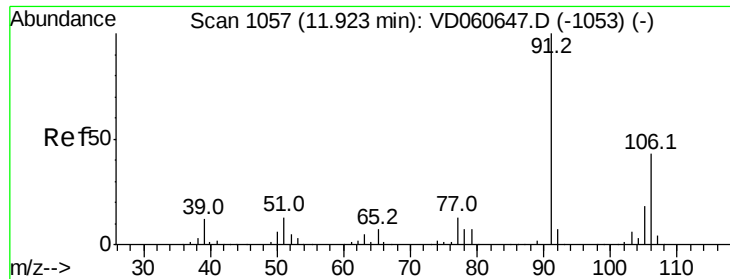
Tot Ion: 91 Resp: 1362270
Ion Ratio Lower Upper
91 100
106 29.3 24.6 36.8



#68
m/p-Xylenes
Concen: 45.738 ug/l
RT: 11.56 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 106 Resp: 1009362
Ion Ratio Lower Upper
106 100
91 209.0 158.9 238.3

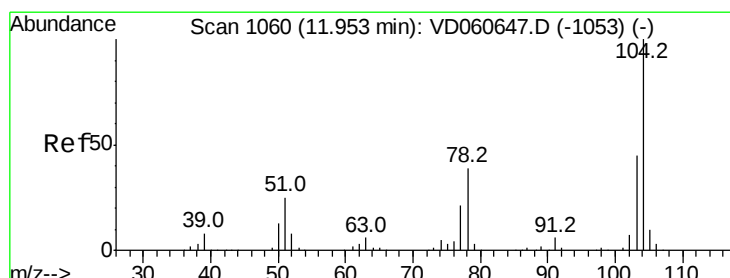
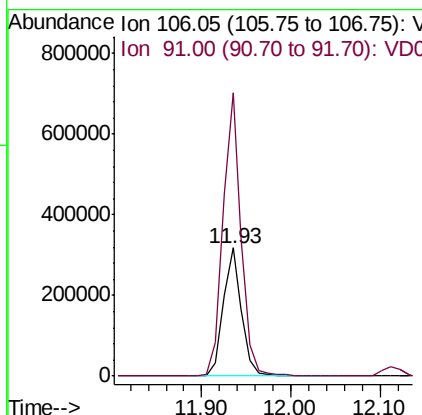
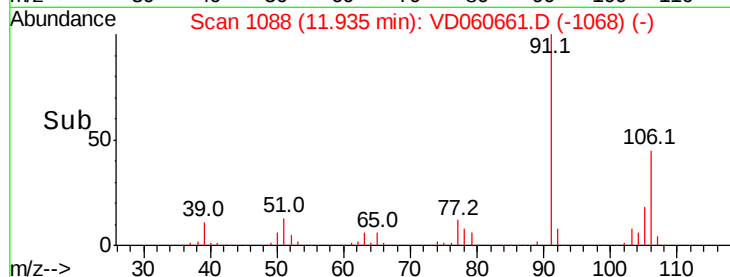
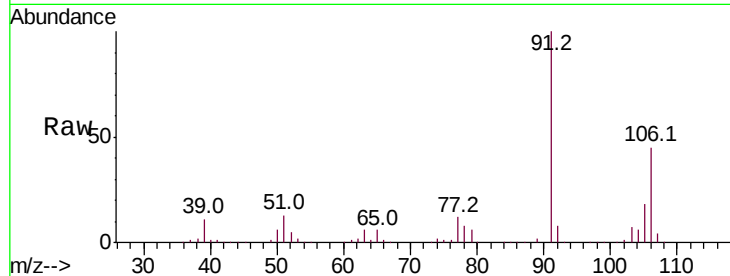




#69
o-Xylene
Concen: 21.950 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

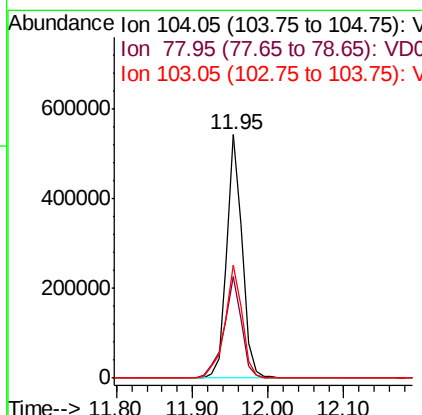
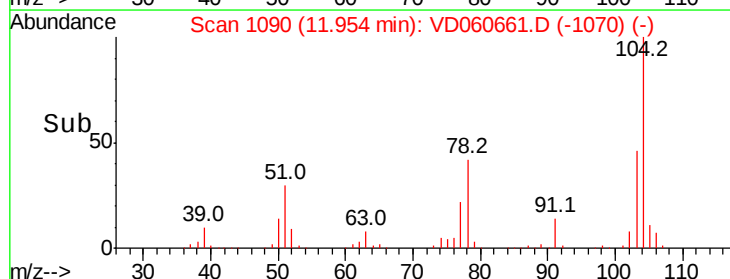
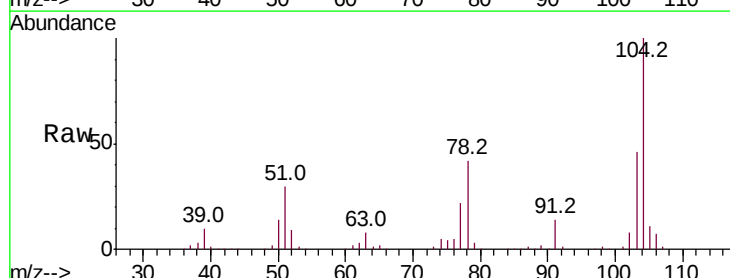
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

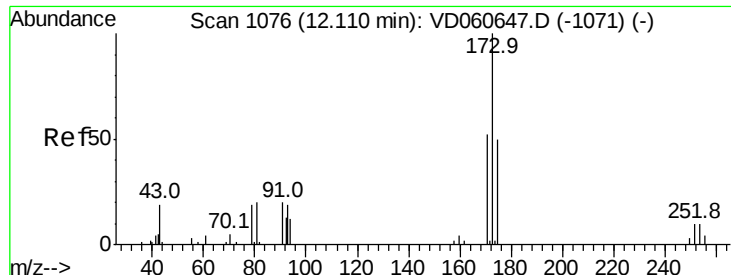
Tot Ion:106 Resp: 459575
Ion Ratio Lower Upper
106 100
91 220.4 101.5 304.5



#70
Styrene
Concen: 22.631 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion:104 Resp: 763114
Ion Ratio Lower Upper
104 100
78 41.8 31.4 47.2
103 46.4 37.5 56.3

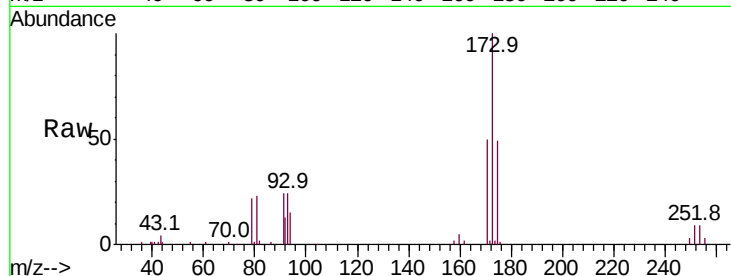




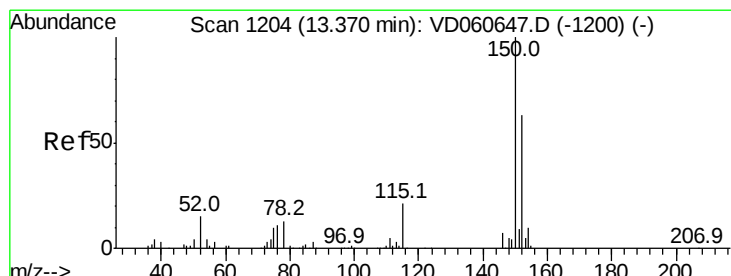
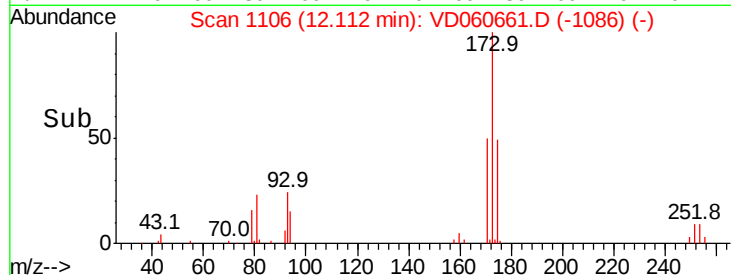
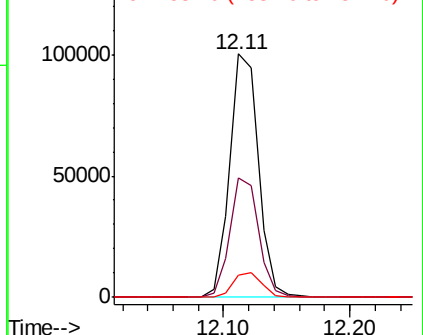
#71
Bromoform
Concen: 20.996 ug/l
RT: 12.11 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion:173 Resp: 157123
Ion Ratio Lower Upper
173 100
175 49.3 25.5 76.5
254 9.2 7.9 11.9

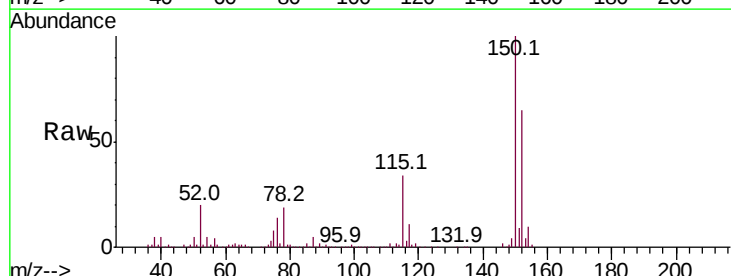


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

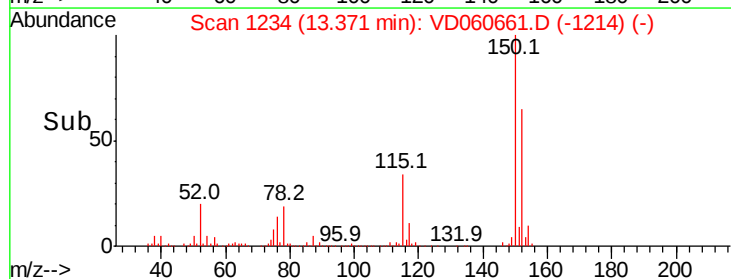
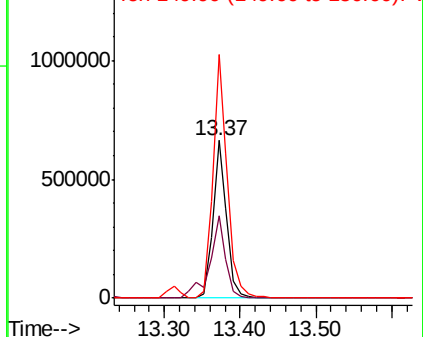


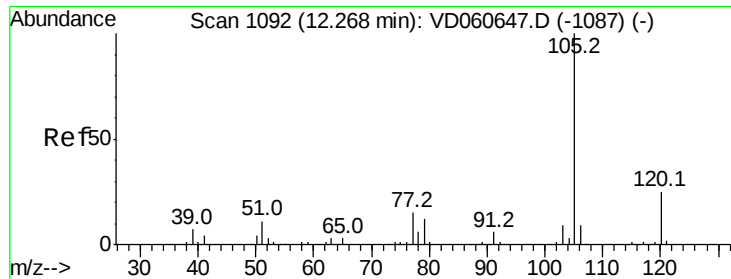
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion:152 Resp: 841053
Ion Ratio Lower Upper
152 100
115 52.0 24.1 72.3
150 154.3 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: 21.729 ug/l

RT: 12.28 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

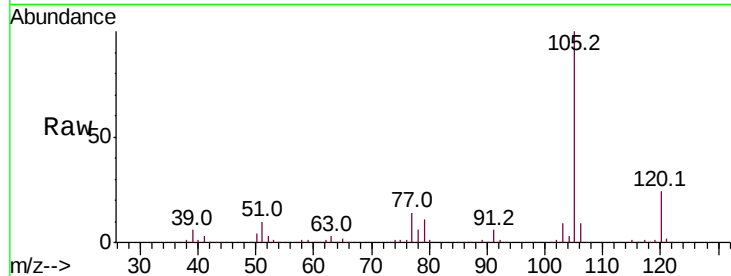
VD1220SBS01

Tot Ion:105 Resp: 1301167

Ion Ratio Lower Upper

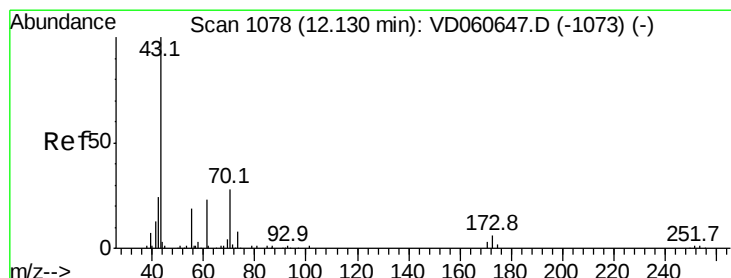
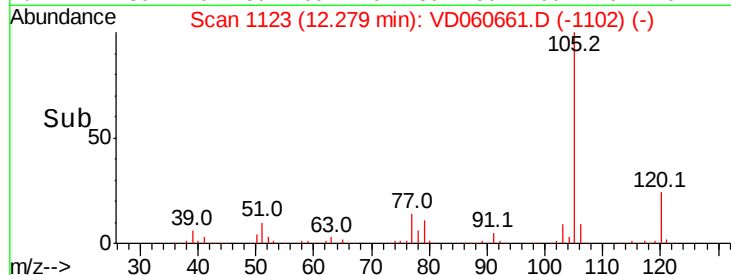
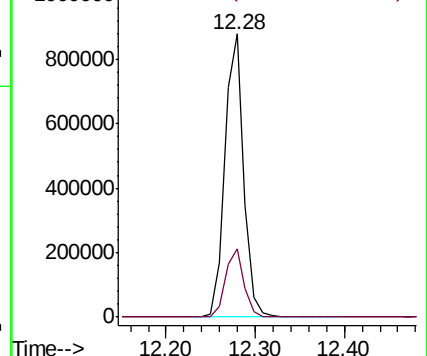
105 100

120 24.2 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.908 ug/l

RT: 12.13 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Tgt Ion: 43 Resp: 295486

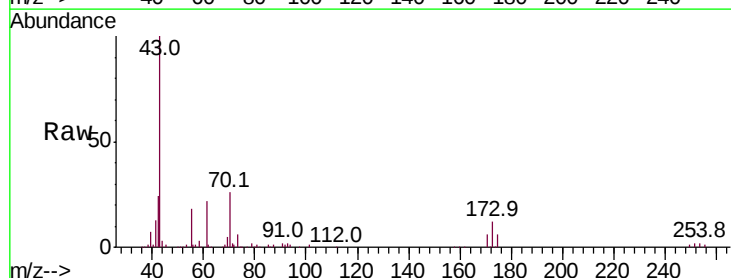
Ion Ratio Lower Upper

43 100

70 26.1 22.2 33.2

55 17.5 13.8 20.8

61 22.5 18.2 27.2

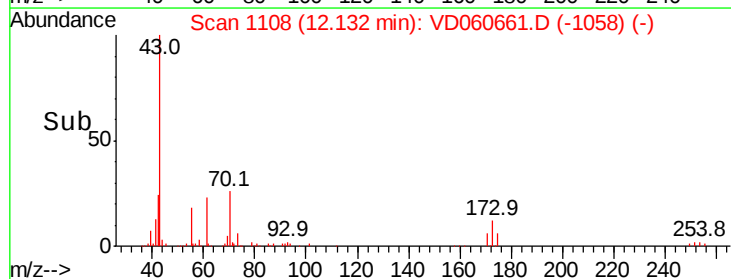
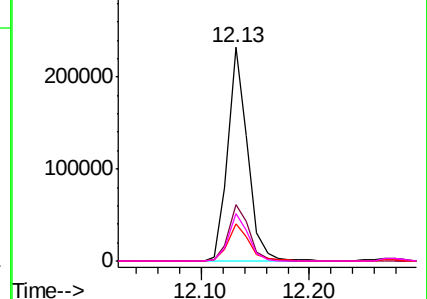


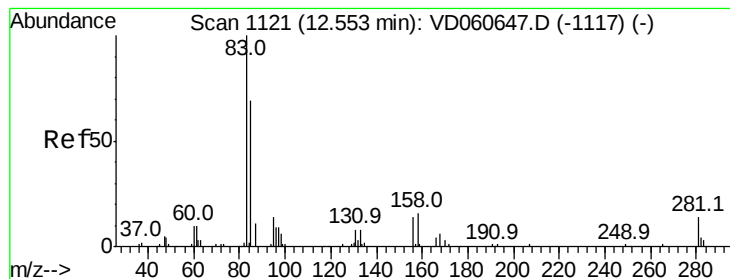
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 21.027 ug/l

RT: 12.56 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

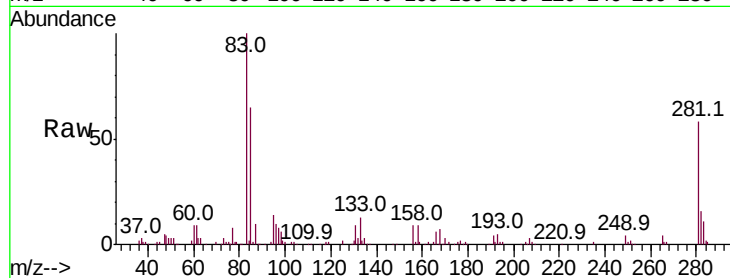
Tot Ion: 83 Resp: 204092

Ion Ratio Lower Upper

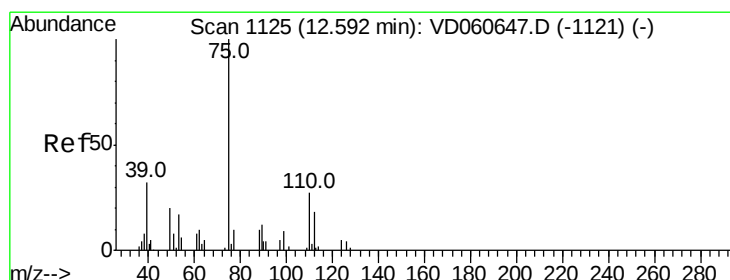
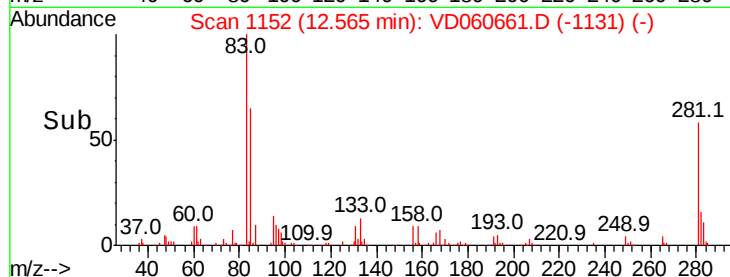
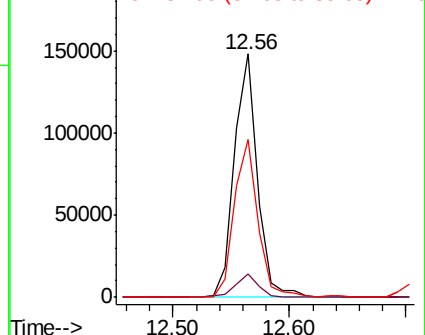
83 100

131 9.4 4.2 12.4

85 65.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.627 ug/l

RT: 12.59 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD060661.D

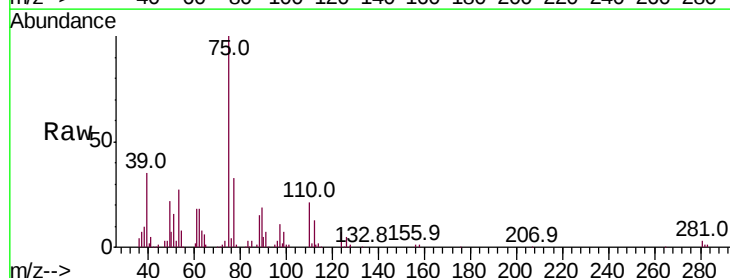
Acq: 20 Dec 2018 16:33

Tgt Ion: 75 Resp: 207082

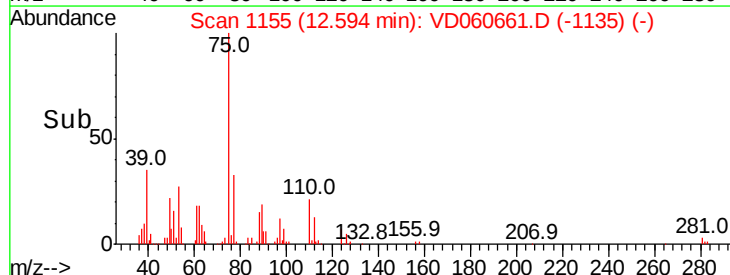
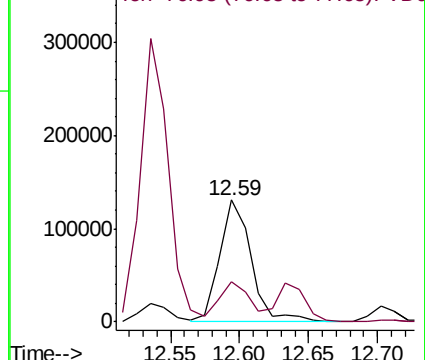
Ion Ratio Lower Upper

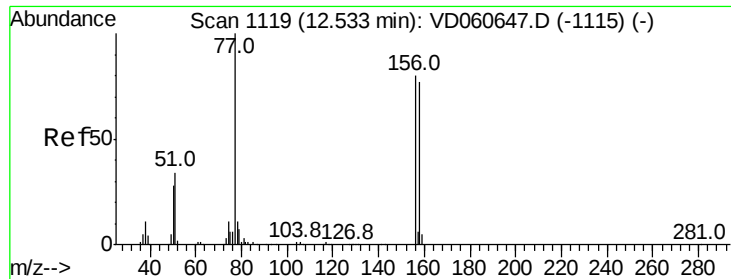
75 100

77 33.3 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.258 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

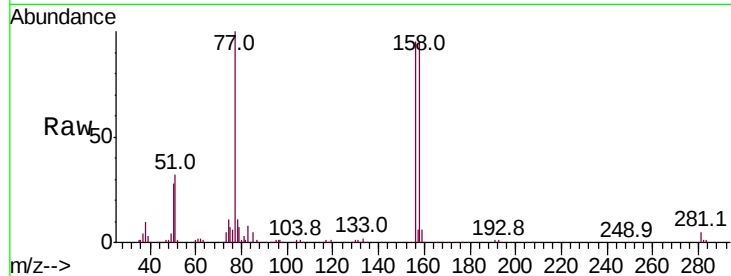
Tot Ion:156 Resp: 336077

Ion Ratio Lower Upper

156 100

77 104.8 61.3 183.9

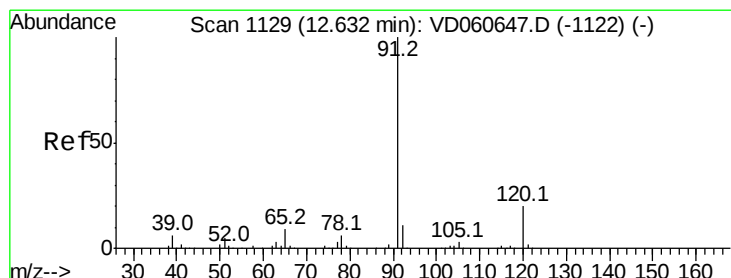
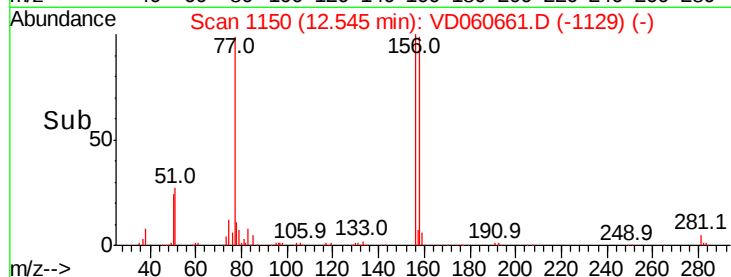
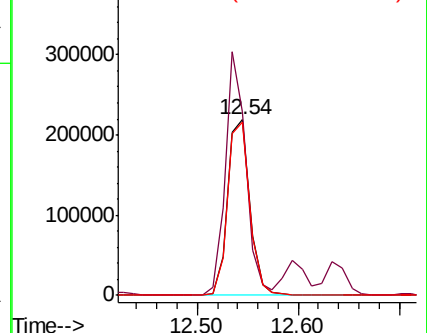
158 99.2 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.825 ug/l

RT: 12.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD060661.D

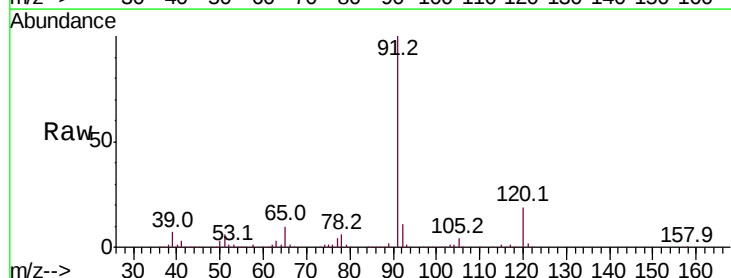
Acq: 20 Dec 2018 16:33

Tgt Ion: 91 Resp: 1670809

Ion Ratio Lower Upper

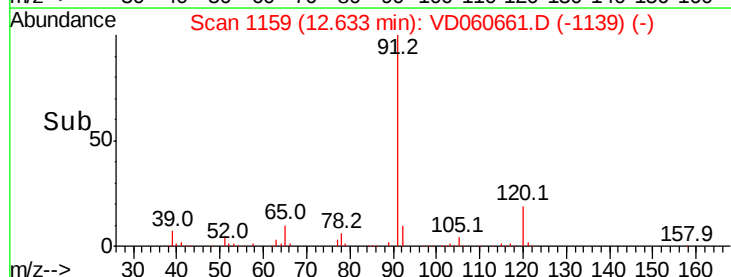
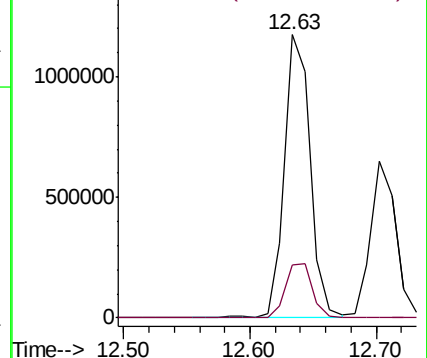
91 100

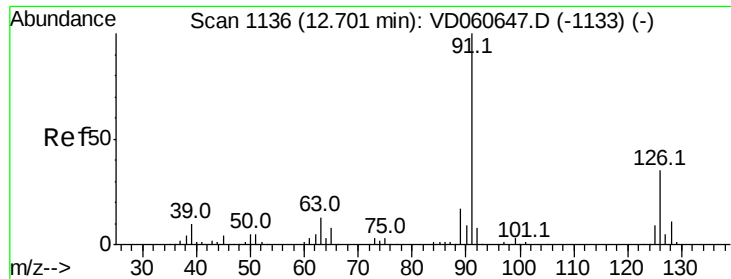
120 18.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.140 ug/l

RT: 12.70 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

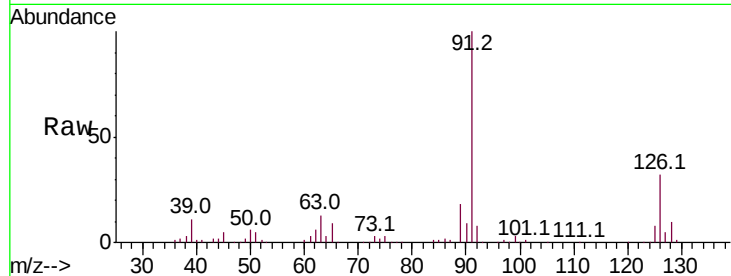
VD1220SBS01

Tot Ion: 91 Resp: 907813

Ion Ratio Lower Upper

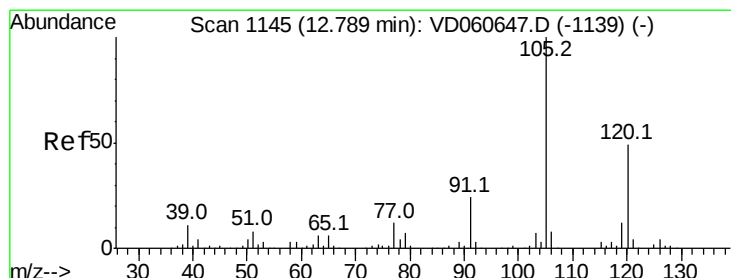
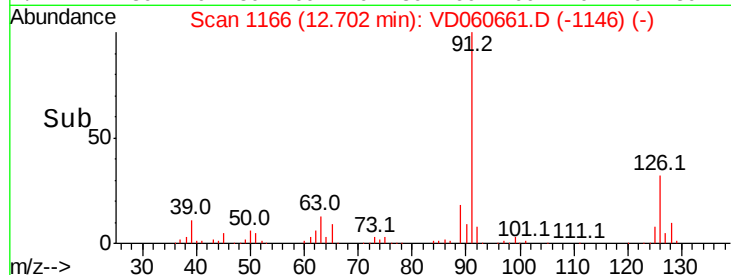
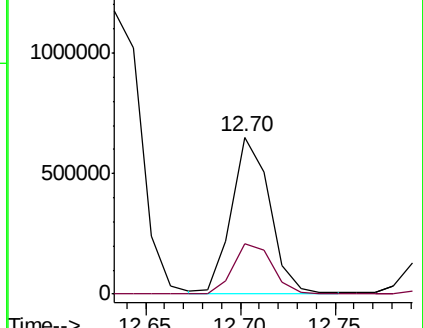
91 100

126 31.9 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.770 ug/l

RT: 12.79 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060661.D

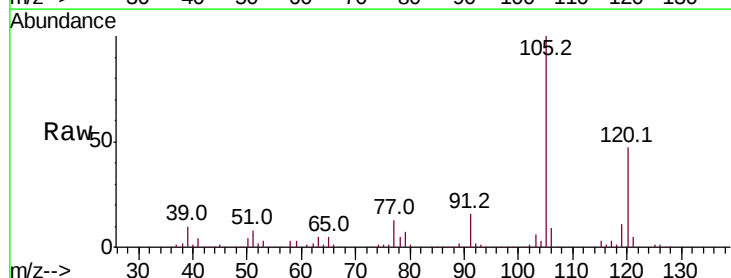
Acq: 20 Dec 2018 16:33

Tgt Ion:105 Resp: 1052883

Ion Ratio Lower Upper

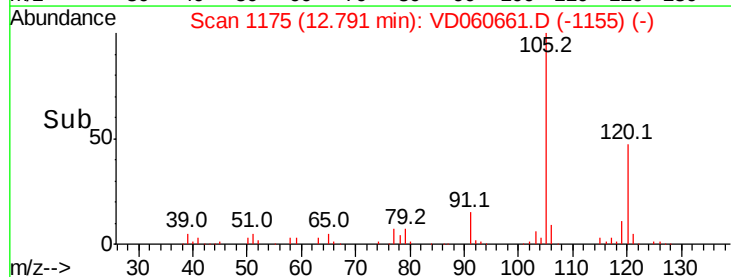
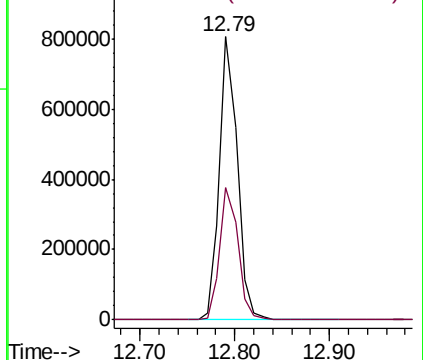
105 100

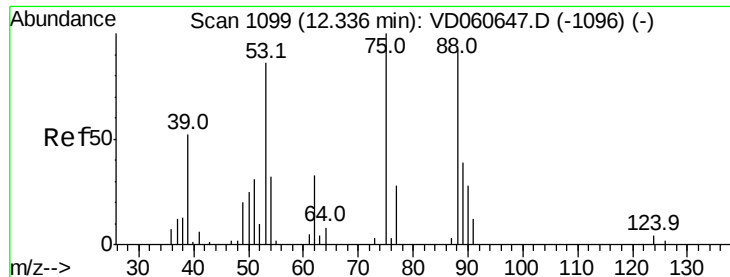
120 46.8 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.434 ug/l

RT: 12.34 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

VD1220SBS01

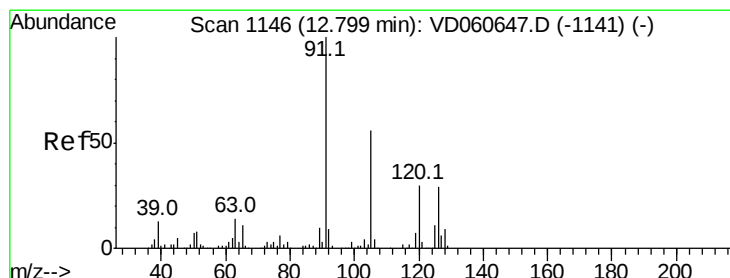
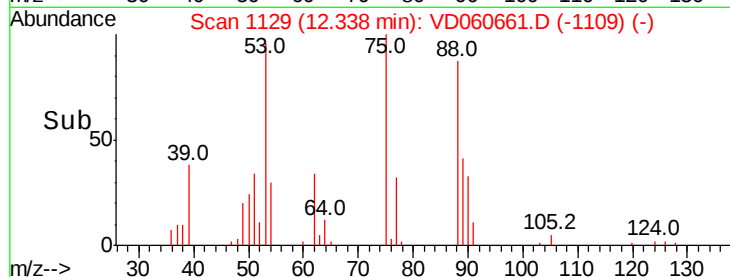
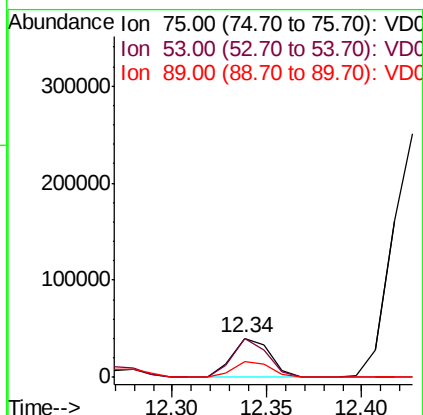
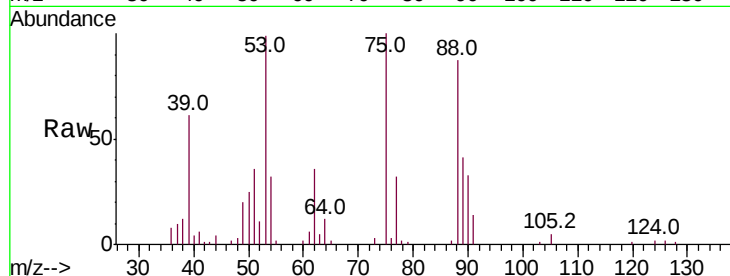
Tot Ion: 75 Resp: 56711

Ion Ratio Lower Upper

75 100

53 99.0 72.1 108.1

89 40.6 35.1 52.7



#82

4-Chlorotoluene

Concen: 22.292 ug/l

RT: 12.81 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VD060661.D

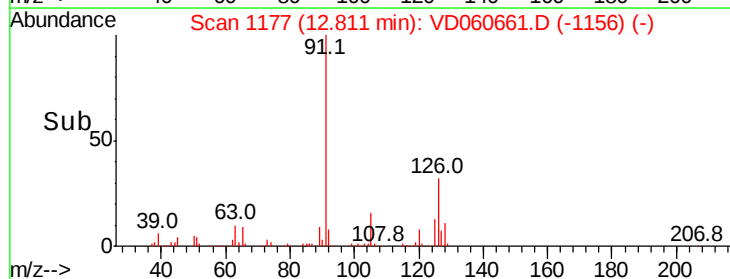
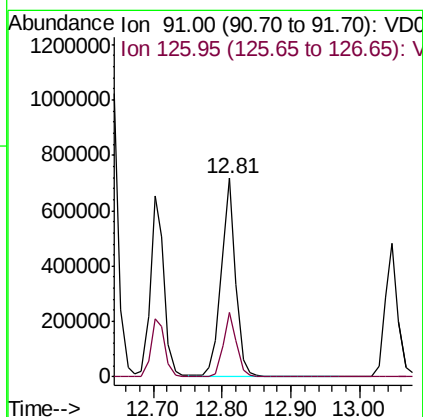
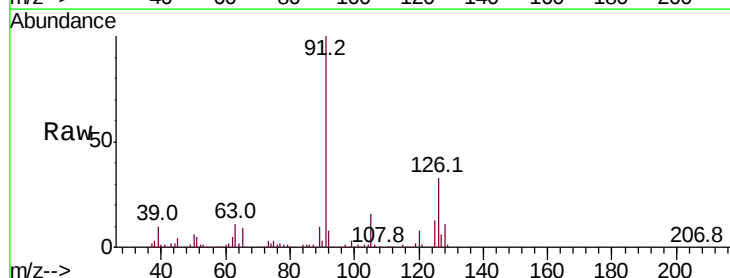
Acq: 20 Dec 2018 16:33

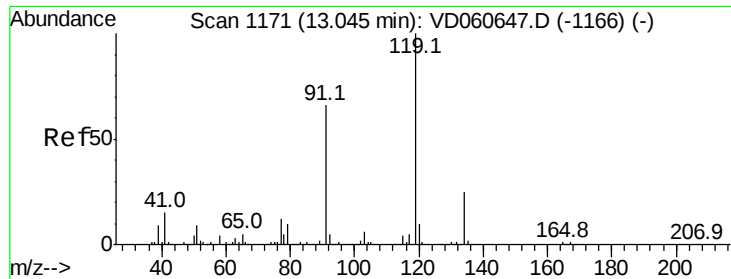
Tgt Ion: 91 Resp: 1036032

Ion Ratio Lower Upper

91 100

126 32.5 14.6 43.8

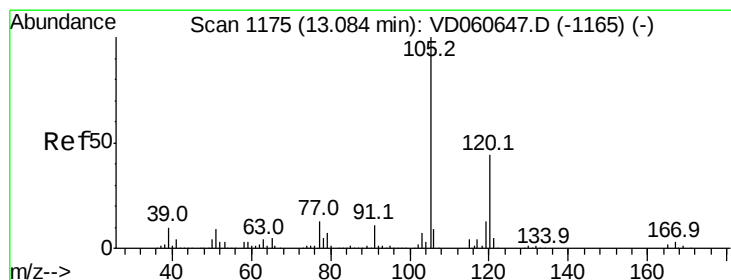
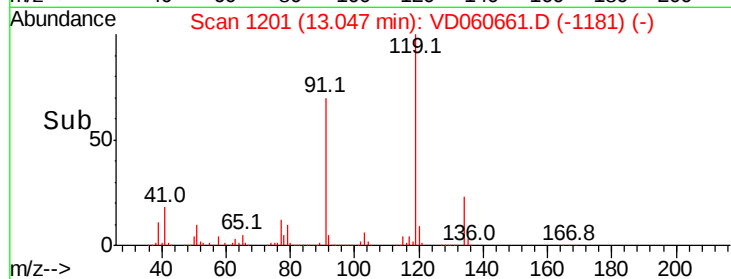
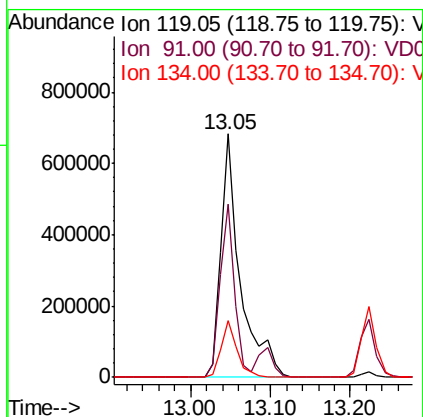
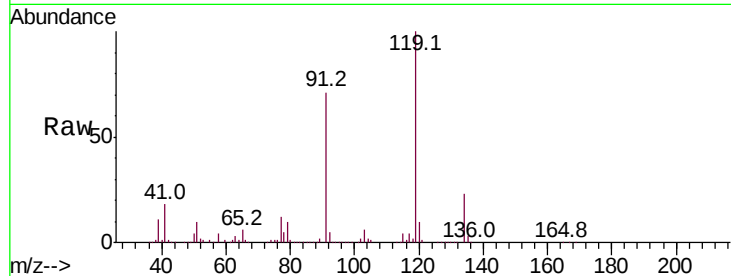




#83
tert-Butylbenzene
Concen: 22.322 ug/l
RT: 13.05 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

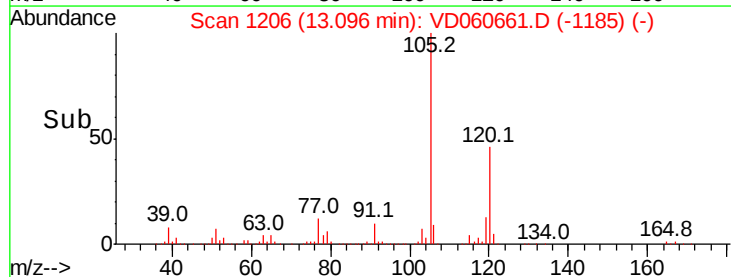
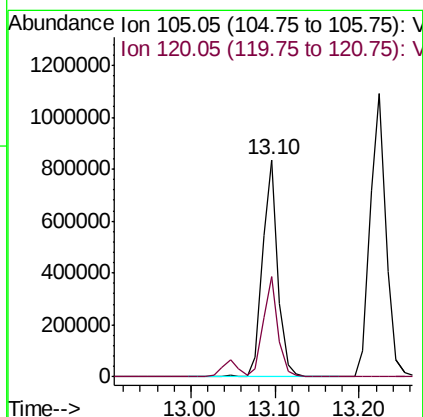
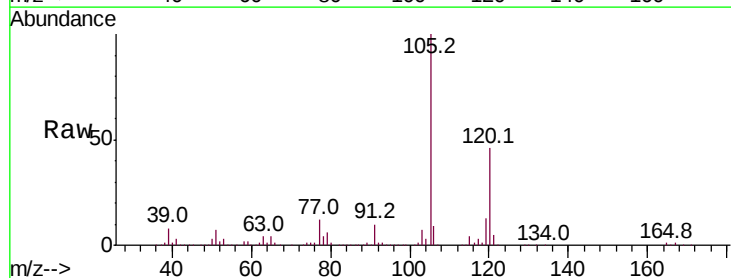
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

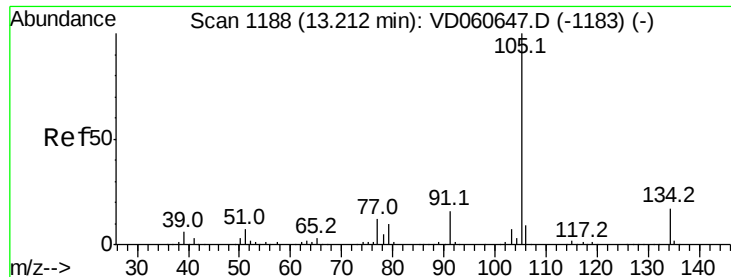
Tot Ion:119 Resp: 1174660
Ion Ratio Lower Upper
119 100
91 70.9 32.5 97.4
134 23.3 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 22.500 ug/l
RT: 13.10 min Scan# 1206
Delta R.T. 0.01 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion:105 Resp: 1071532
Ion Ratio Lower Upper
105 100
120 46.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 22.143 ug/l

RT: 13.22 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

Instrument :

MSVOA_D

ClientSampleId :

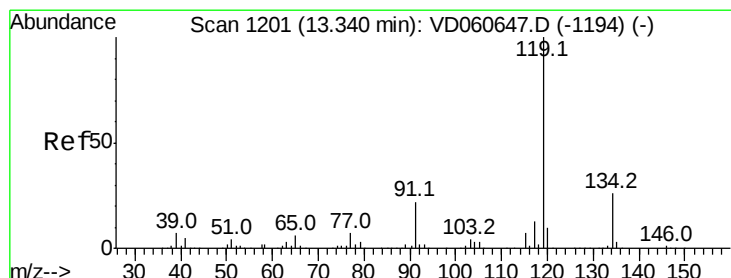
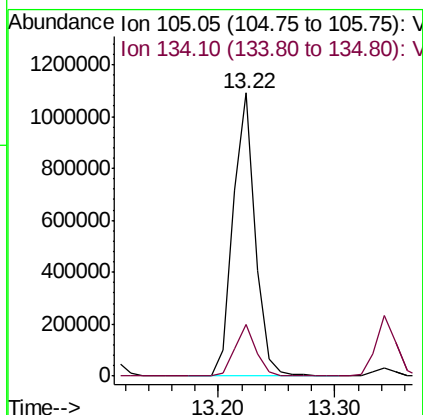
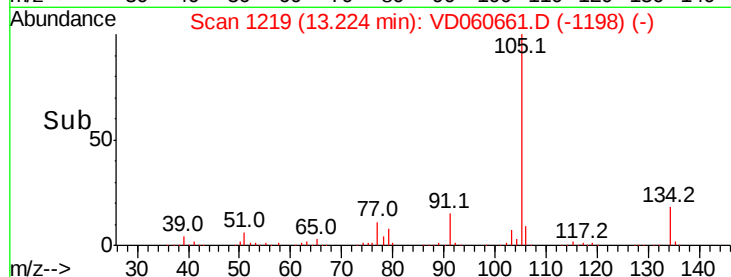
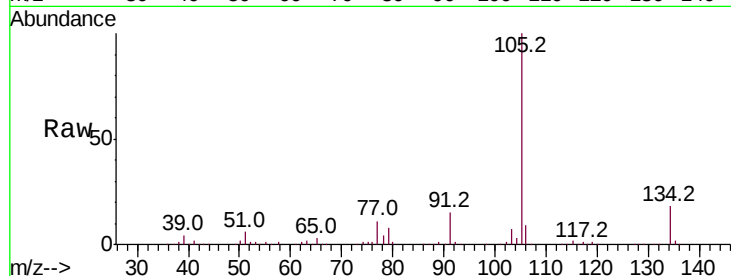
VD1220SBS01

Tot Ion:105 Resp: 1421096

Ion Ratio Lower Upper

105 100

134 18.1 8.2 24.4



#86

p-Isopropyltoluene

Concen: 22.642 ug/l

RT: 13.34 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD060661.D

Acq: 20 Dec 2018 16:33

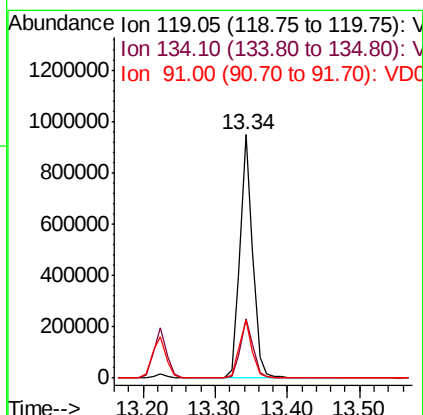
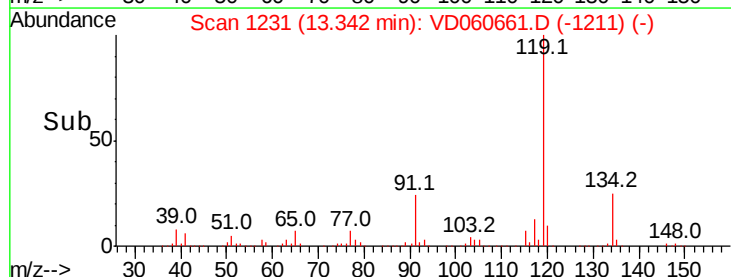
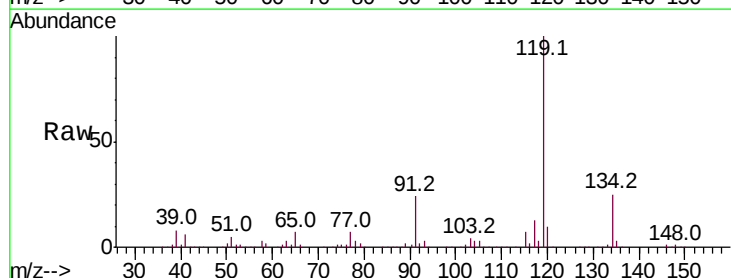
Tgt Ion:119 Resp: 1172947

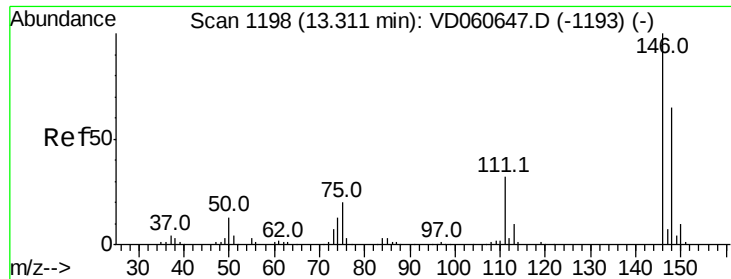
Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

91 24.1 11.4 34.2

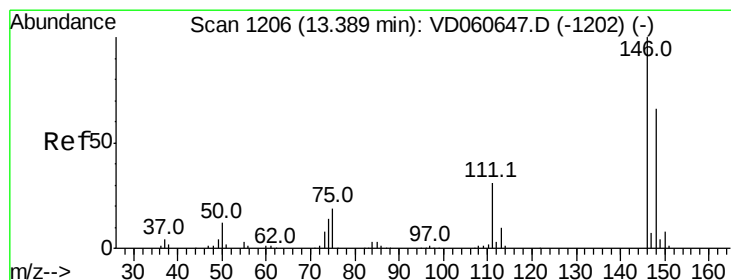
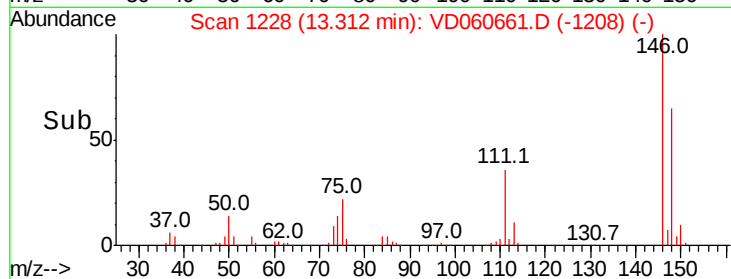
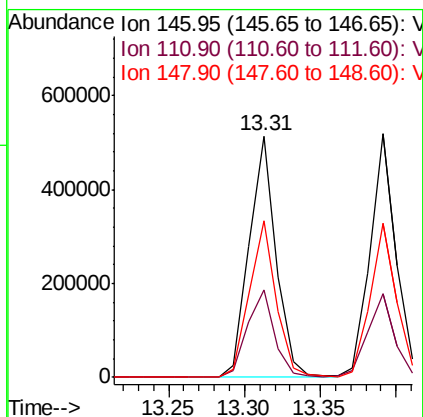
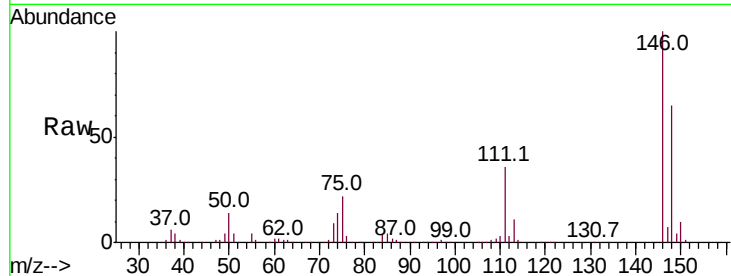




#87
 1,3-Dichlorobenzene
 Concen: 22.027 ug/l
 RT: 13.31 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

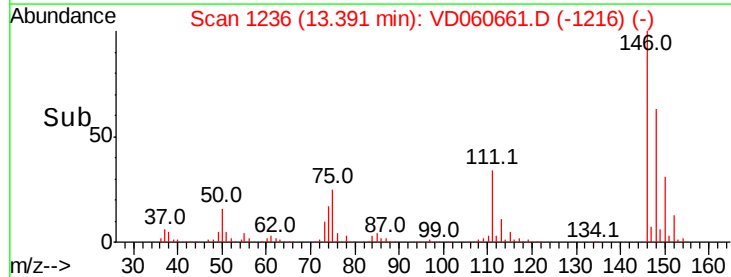
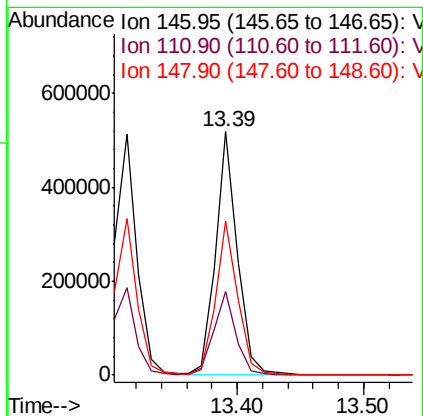
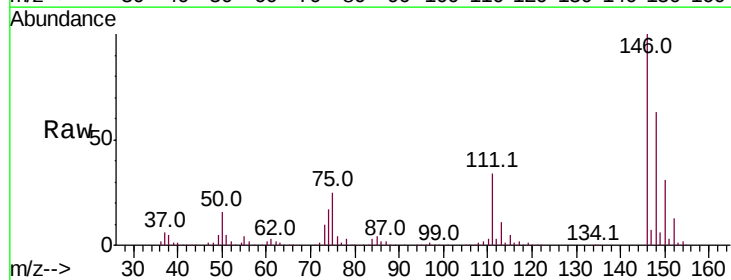
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

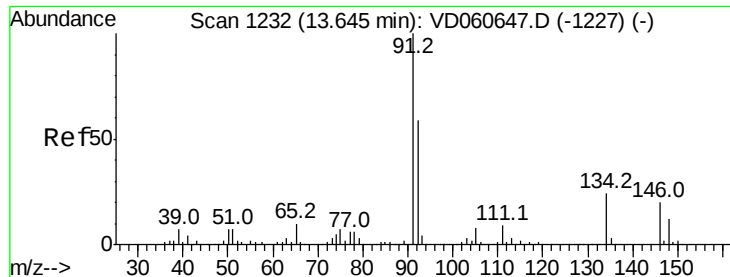
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	16.6	49.8
148	64.8	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 21.779 ug/l
 RT: 13.39 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.3	16.2	48.5
148	63.3	32.7	98.1

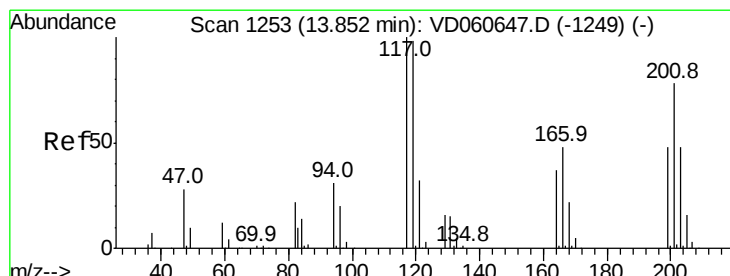
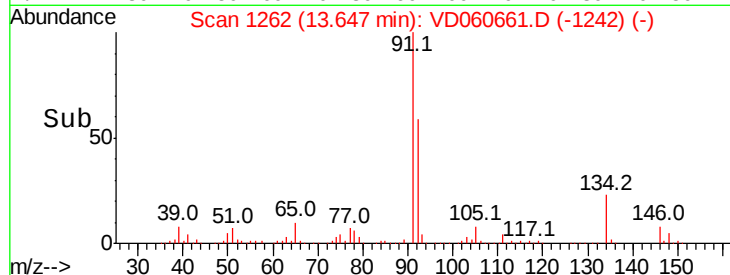
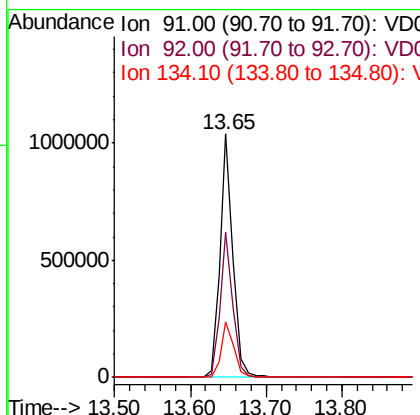
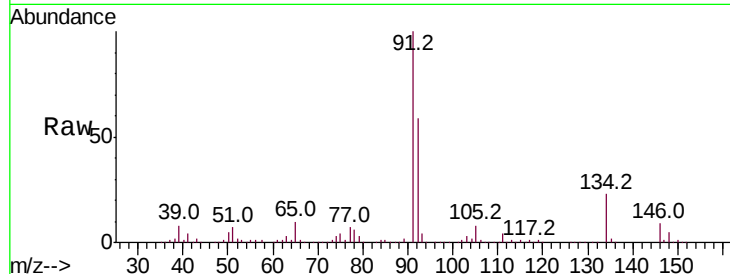




#89
n-Butylbenzene
Concen: 23.507 ug/l
RT: 13.65 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

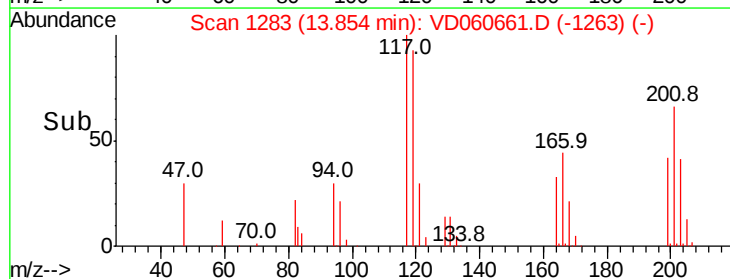
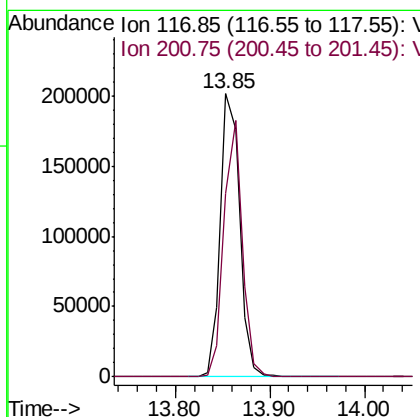
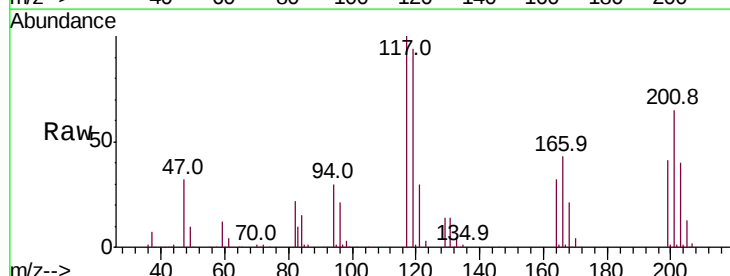
Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

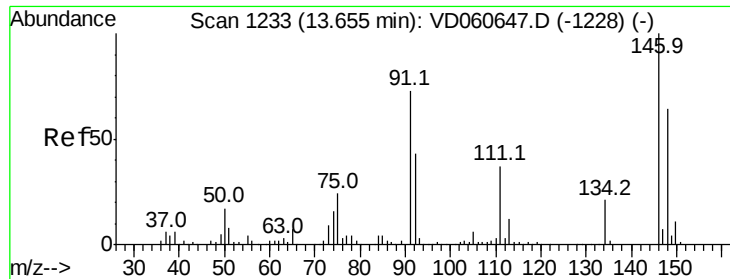
Tot Ion: 91 Resp: 1244443
Ion Ratio Lower Upper
91 100
92 59.4 29.7 89.1
134 23.0 12.7 38.1



#90
Hexachloroethane
Concen: 22.440 ug/l
RT: 13.85 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion: 117 Resp: 285582
Ion Ratio Lower Upper
117 100
201 64.8 42.6 127.8

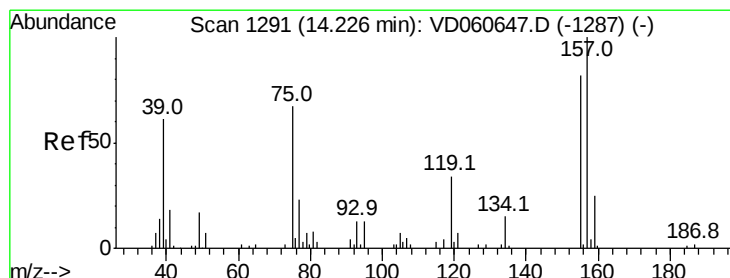
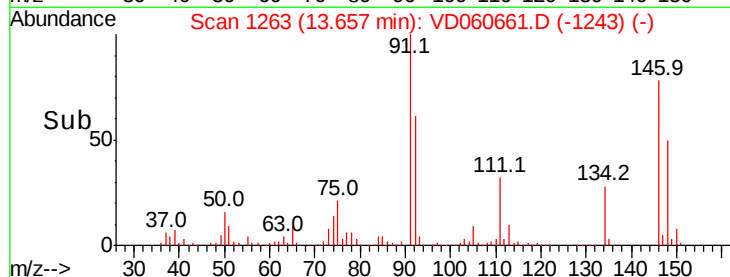
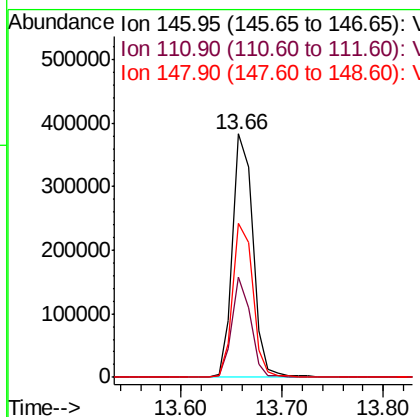
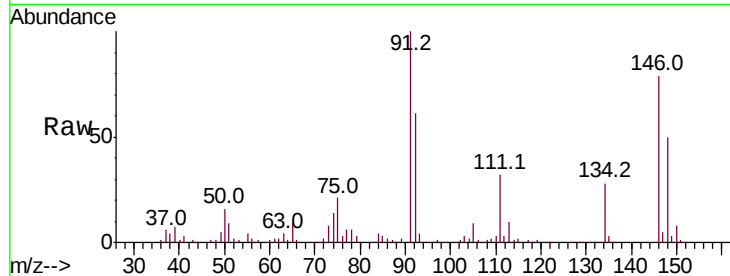




#91
 1,2-Dichlorobenzene
 Concen: 22.942 ug/l
 RT: 13.66 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

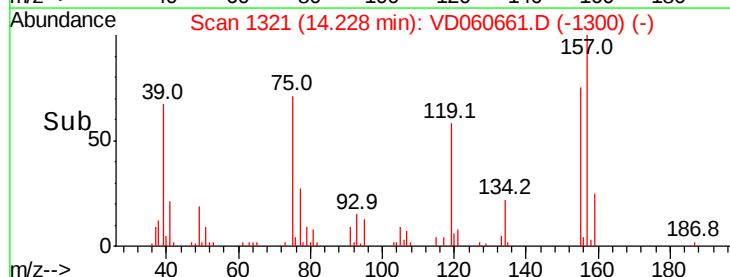
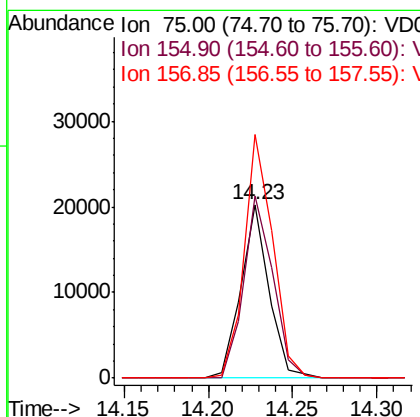
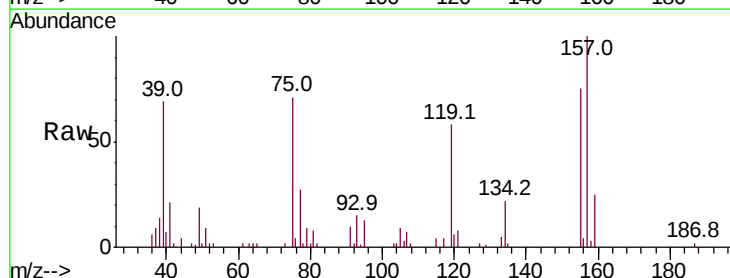
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

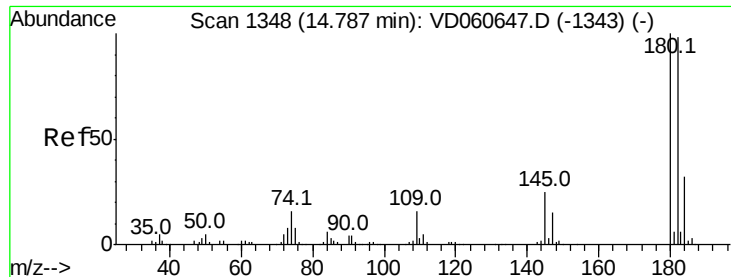
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.3	57.9
148	63.1	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.518 ug/l
 RT: 14.23 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.2	41.1	123.4
157	140.5	52.5	157.6

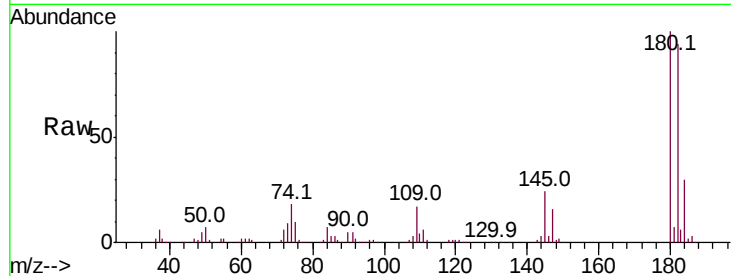




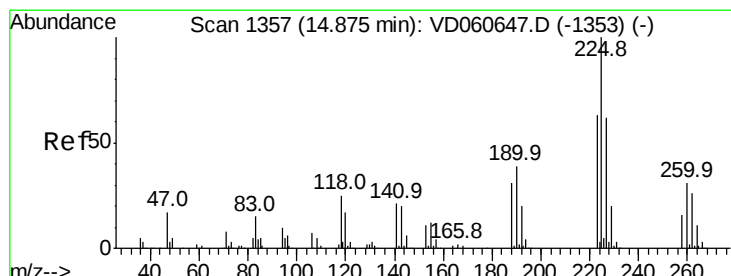
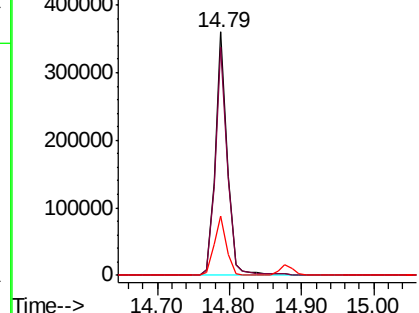
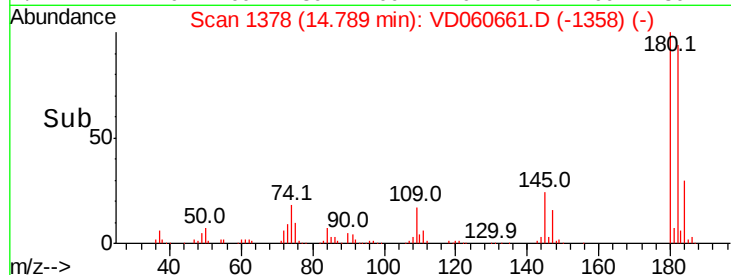
#93
 1,2,4-Trichlorobenzene
 Concen: 22.261 ug/l
 RT: 14.79 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Tot Ion:180 Resp: 412379
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.8 146.4
 145 24.4 11.8 35.3

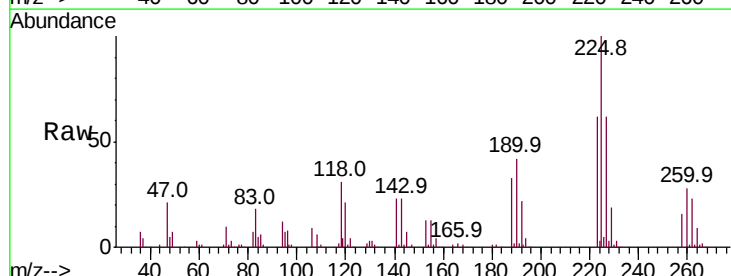


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

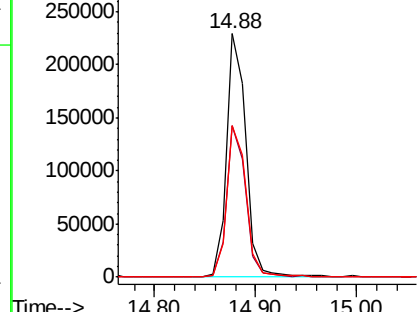
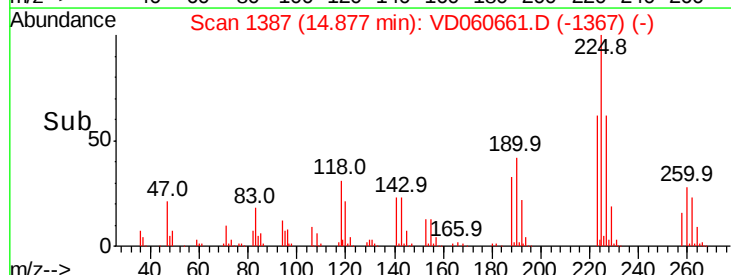


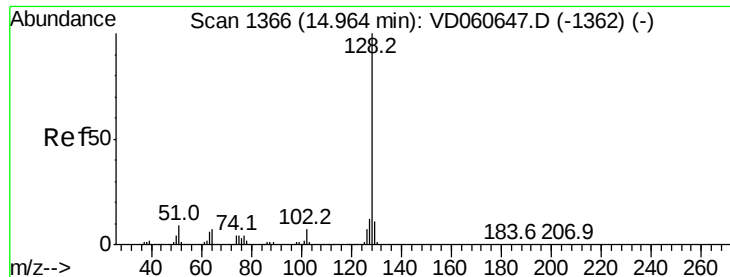
#94
 Hexachlorobutadiene
 Concen: 22.446 ug/l
 RT: 14.88 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VD060661.D
 Acq: 20 Dec 2018 16:33

Tgt Ion:225 Resp: 307343
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.3 93.8
 227 62.0 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

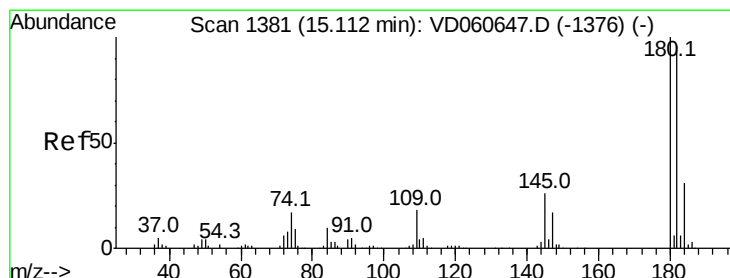
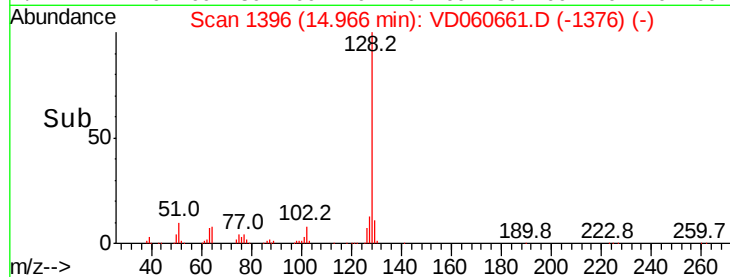
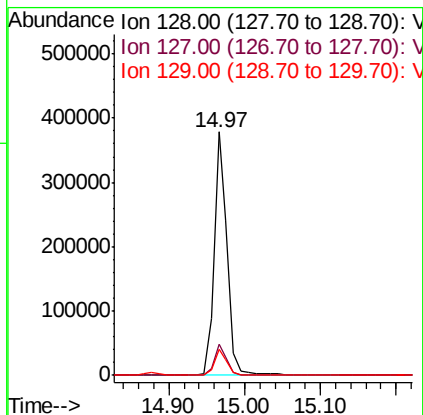
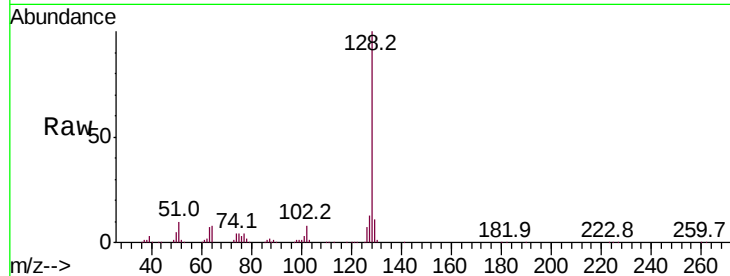




#95
Naphthalene
Concen: 20.774 ug/l
RT: 14.97 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Instrument :
MSVOA_D
ClientSampleId :
VD1220SBS01

Tot Ion:128 Resp: 457383
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.560 ug/l
RT: 15.11 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VD060661.D
Acq: 20 Dec 2018 16:33

Tgt Ion:180 Resp: 312216
Ion Ratio Lower Upper
180 100
182 95.5 48.6 145.9
145 27.9 12.6 37.8

