

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061357.D
 Acq On : 27 Mar 2019 17:01
 Operator : VA/AP
 Sample : VD0327SBSD01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Quant Time: Mar 28 04:00:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	727150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1293680	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1000048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	443363	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	330009	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	6.90	113	493581	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.39	98	1147273	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	13.54	95	439574	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	164461	21.178	ug/l	96
3) Chloromethane	1.76	50	134964	21.310	ug/l	98
4) Vinyl Chloride	1.85	62	122864	21.128	ug/l	93
5) Bromomethane	2.15	94	23184	20.106	ug/l #	96
6) Chloroethane	2.26	64	27339	16.032	ug/l	95
7) Trichlorofluoromethane	2.52	101	164785	19.487	ug/l	98
8) Diethyl Ether	2.87	74	57551	21.139	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	183624	20.199	ug/l	96
10) Methyl Iodide	3.30	142	232861	19.147	ug/l	96
11) Tert butyl alcohol	4.05	59	40717	105.256	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	164142	21.031	ug/l	98
13) Acrolein	3.03	56	38039	116.857	ug/l	99
14) Allyl chloride	3.61	41	245867	22.585	ug/l	99
15) Acrylonitrile	4.18	53	147818	110.095	ug/l	95
16) Acetone	3.21	43	161016	100.837	ug/l	97
17) Carbon Disulfide	3.37	76	516261	20.358	ug/l	100
18) Methyl Acetate	3.63	43	73435	21.873	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	284684	21.071	ug/l	100
20) Methylene Chloride	3.80	84	238215	25.697	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	183139	21.734	ug/l	98
22) Diisopropyl ether	5.09	45	498816	21.653	ug/l	99
23) Vinyl Acetate	5.03	43	1302640	104.099	ug/l	99
24) 1,1-Dichloroethane	4.96	63	286345	21.151	ug/l	98
25) 2-Butanone	6.04	43	202231	100.681	ug/l	97
26) 2,2-Dichloropropane	6.00	77	222933	20.714	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	199963	21.659	ug/l	94
28) Bromochloromethane	6.41	49	112085	20.509	ug/l #	99
29) Tetrahydrofuran	6.43	42	103469	106.278	ug/l	98
30) Chloroform	6.64	83	306639	21.920	ug/l	99
31) Cyclohexane	6.93	56	233677	21.842	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	251181	20.353	ug/l	97
36) 1,1-Dichloropropene	7.12	75	225107	19.937	ug/l	97
37) Ethyl Acetate	6.16	43	101184	20.954	ug/l #	96
38) Carbon Tetrachloride	7.09	117	250336	19.472	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	244323	20.777	ug/l	97
40) Benzene	7.43	78	593056	20.929	ug/l	97
41) Methacrylonitrile	6.42	41	112122	19.858	ug/l	99
42) 1,2-Dichloroethane	7.55	62	173027	20.413	ug/l	94
43) Isopropyl Acetate	9.22	43	148429	21.126	ug/l	96
44) Trichloroethene	8.52	130	213989	20.292	ug/l	92
45) 1,2-Dichloropropane	8.91	63	150928	21.005	ug/l	96
46) Dibromomethane	9.04	93	97453	20.150	ug/l	94
47) Bromodichloromethane	9.36	83	217551	20.042	ug/l	99
48) Methyl methacrylate	9.09	41	74614	19.243	ug/l	93
49) 1,4-Dioxane	9.05	88	17064	398.985	ug/l	90
51) 4-Methyl-2-Pentanone	10.27	43	418123	97.818	ug/l	99
52) Toluene	10.49	92	332118	19.211	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	198469	20.124	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	237398	19.768	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	114596	18.954	ug/l	97
56) Ethyl methacrylate	11.02	69	127707	19.663	ug/l	98
57) 1,3-Dichloropropane	11.38	76	171513	19.301	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	301645	95.367	ug/l	97
59) 2-Hexanone	11.51	43	302729	97.749	ug/l	98
60) Dibromochloromethane	11.66	129	185005	19.849	ug/l	99
61) 1,2-Dibromoethane	11.79	107	139448	19.919	ug/l	98
64) Tetrachloroethene	11.24	164	150740	19.206	ug/l	99
65) Chlorobenzene	12.38	112	448784	21.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	157501	19.903	ug/l	98
67) Ethyl Benzene	12.51	91	630643	20.216	ug/l	98
68) m/p-Xylenes	12.65	106	540234	45.717	ug/l	98
69) o-Xylene	13.04	106	238118	20.765	ug/l	96
70) Styrene	13.06	104	422727	21.147	ug/l	99
71) Bromoform	13.22	173	96775	19.292	ug/l	99
73) Isopropylbenzene	13.39	105	659185	21.362	ug/l	100
74) N-amyl acetate	13.25	43	188778	21.961	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	141905	21.800	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	133215	20.800	ug/l	99
77) Bromobenzene	13.66	156	185875	20.319	ug/l	88
78) n-propylbenzene	13.76	91	733165	19.415	ug/l	94
79) 2-Chlorotoluene	13.83	91	455446	22.212	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	509219	19.646	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	40416	20.697	ug/l	97
82) 4-Chlorotoluene	13.93	91	507301	22.754	ug/l	92
83) tert-Butylbenzene	14.18	119	618146	20.659	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	509219	19.646	ug/l	96
85) sec-Butylbenzene	14.36	105	600289	18.885	ug/l	98
86) p-Isopropyltoluene	14.48	119	570438	21.223	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	334744	21.609	ug/l	96
88) 1,4-Dichlorobenzene	14.52	146	299228	19.807	ug/l	97
89) n-Butylbenzene	14.79	91	556465	22.556	ug/l	98
90) Hexachloroethane	15.00	117	158979	20.936	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	287733	22.644	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	16592	21.733	ug/l	76

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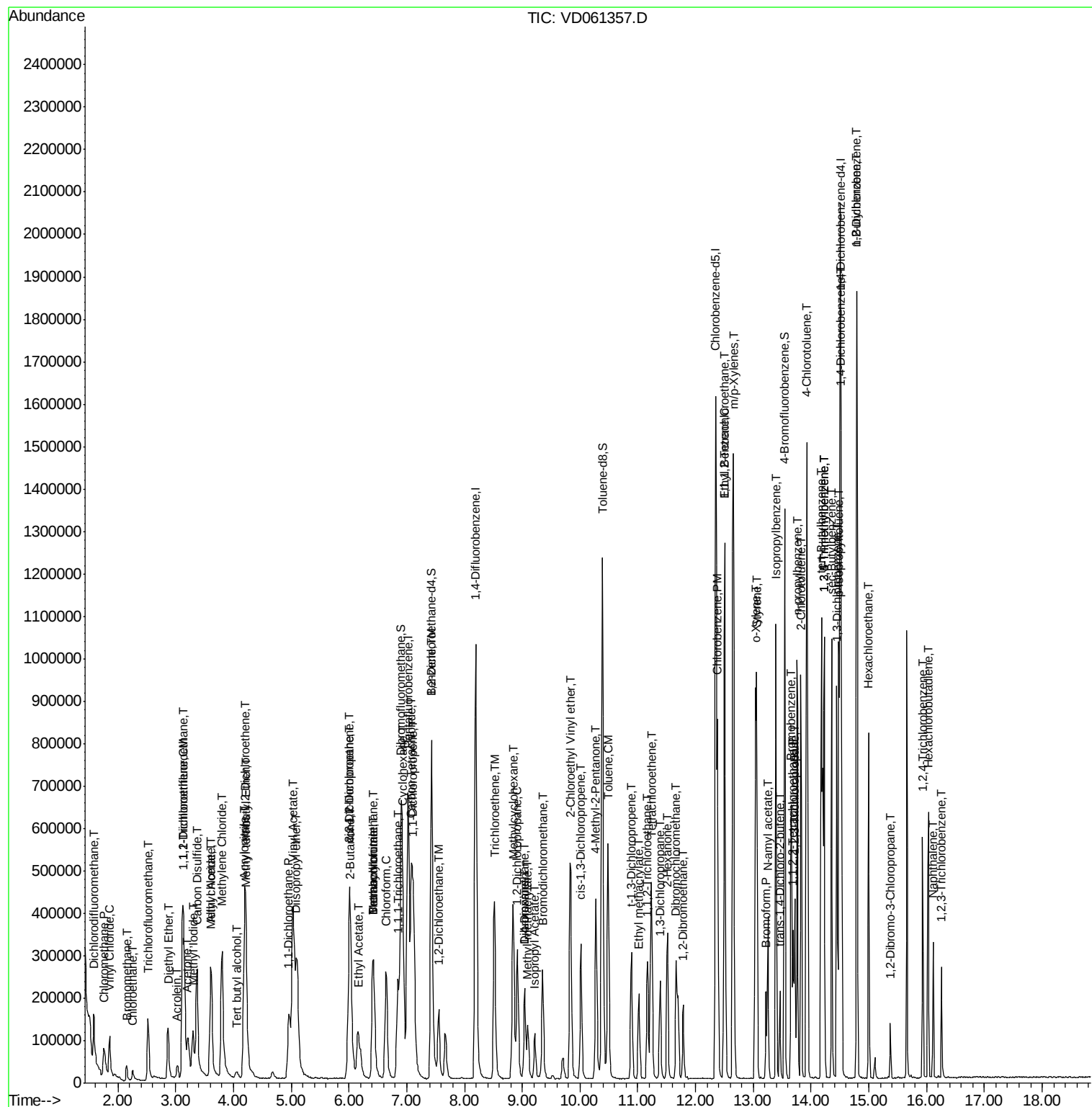
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	140787	24.323	µg/l	96
94) Hexachlorobutadiene	16.03	225	105279	23.276	µg/l	99
95) Naphthalene	16.11	128	219664	24.897	µg/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	66876	26.256	µg/l	92

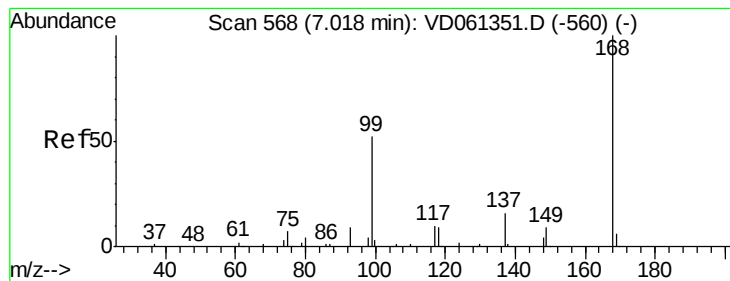
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

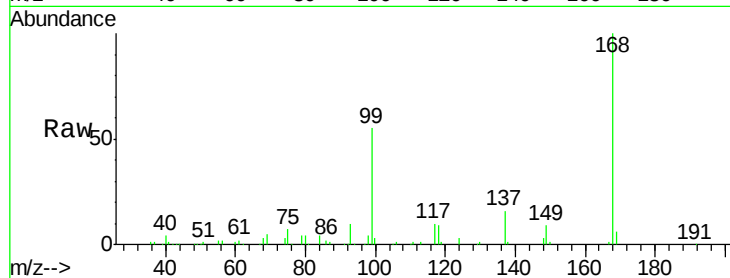
VD0327SBSD01

Tot Ion:168 Resp: 727150

Ion Ratio Lower Upper

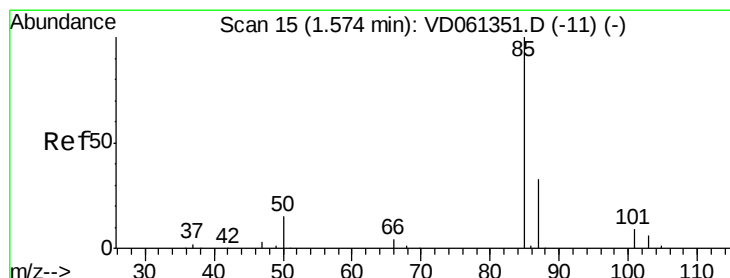
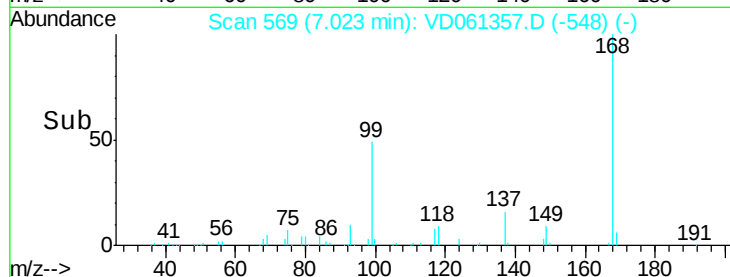
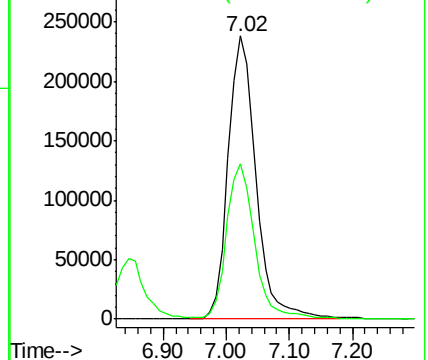
168 100

99 54.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.178 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061357.D

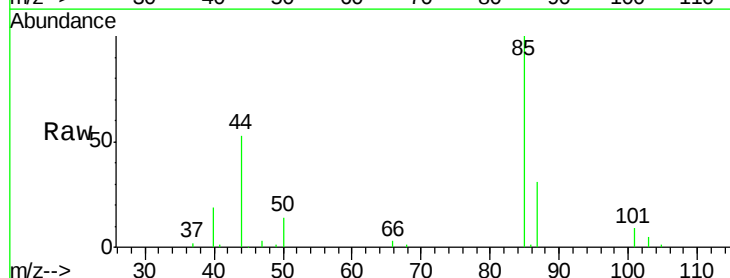
Acq: 27 Mar 2019 17:01

Tgt Ion: 85 Resp: 164461

Ion Ratio Lower Upper

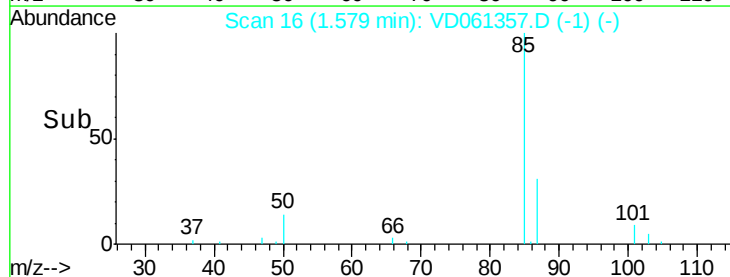
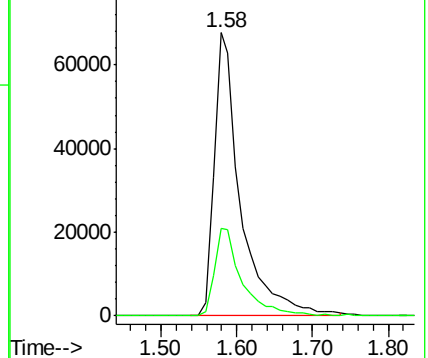
85 100

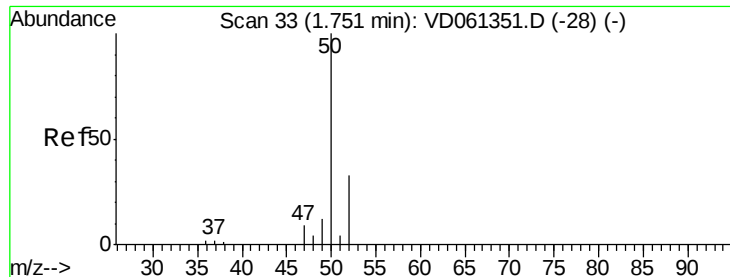
87 30.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.310 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

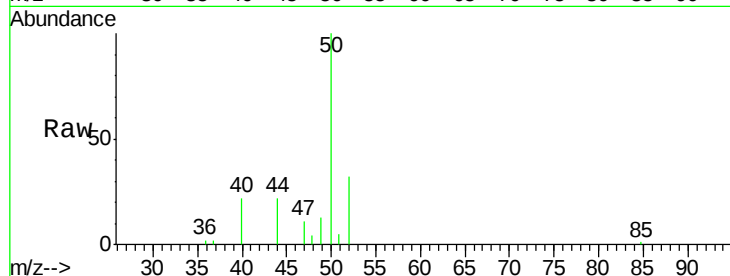
VD0327SBS01

Tot Ion: 50 Resp: 134964

Ion Ratio Lower Upper

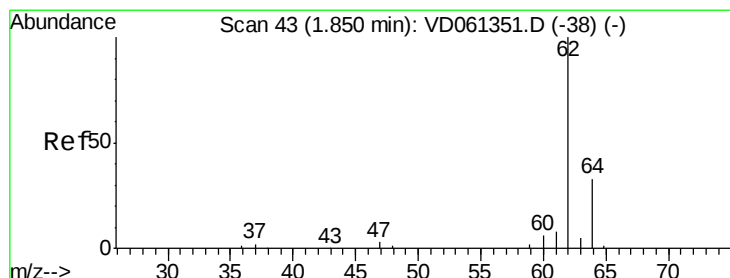
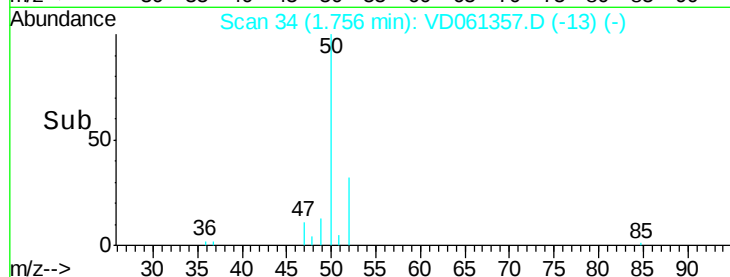
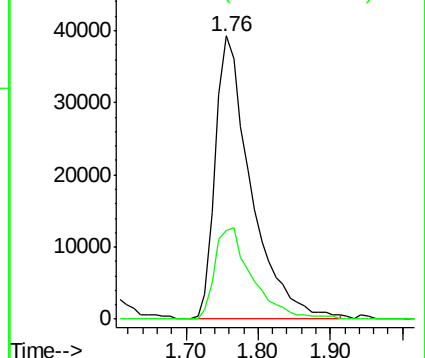
50 100

52 31.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.128 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061357.D

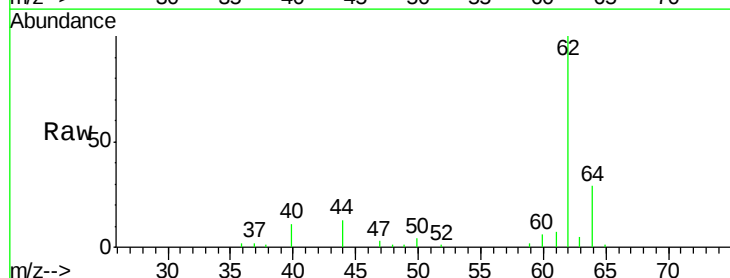
Acq: 27 Mar 2019 17:01

Tgt Ion: 62 Resp: 122864

Ion Ratio Lower Upper

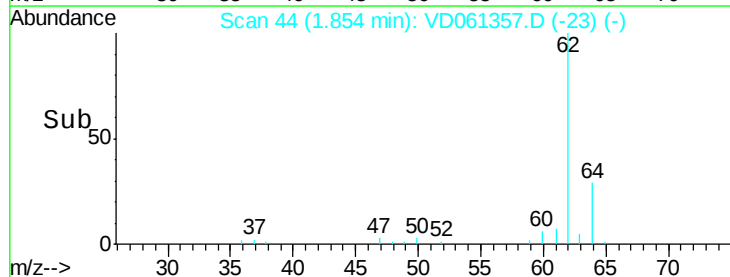
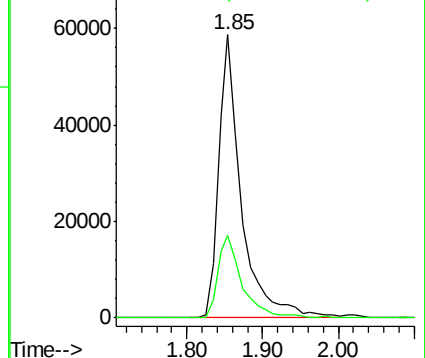
62 100

64 29.3 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.106 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

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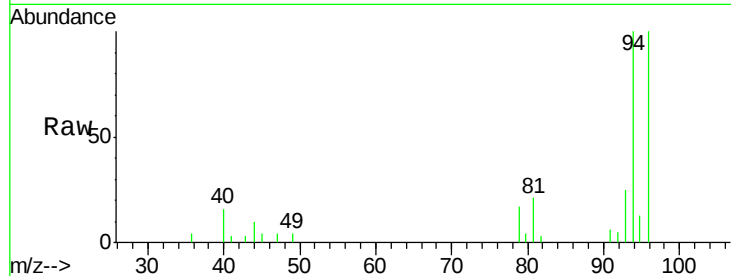
Tot Ion: 94 Resp: 23184

Ion Ratio Lower Upper

94 100

96 100.1 78.3 117.5

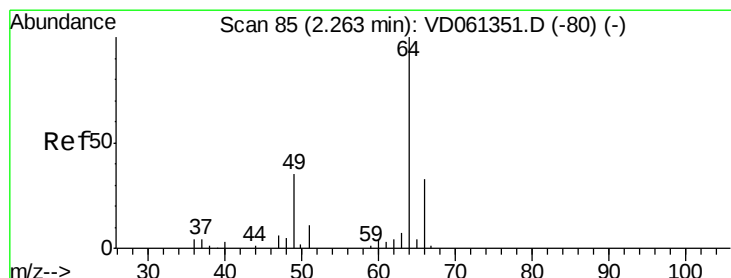
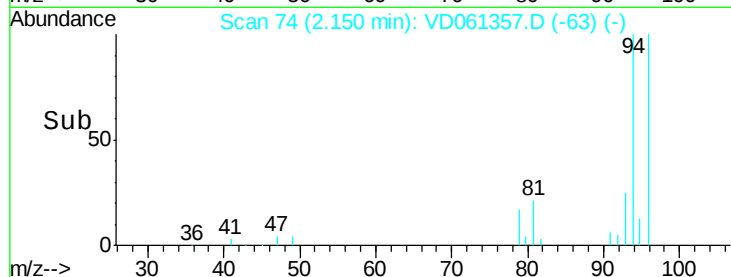
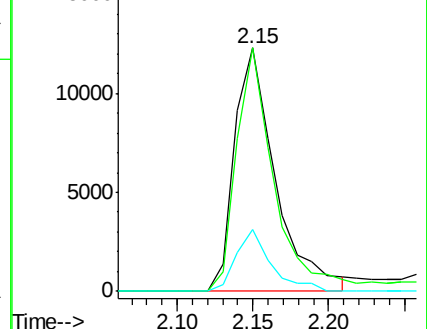
93 25.4 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.032 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061357.D

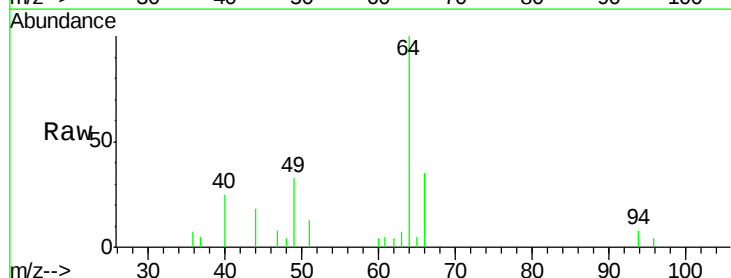
Acq: 27 Mar 2019 17:01

Tgt Ion: 64 Resp: 27339

Ion Ratio Lower Upper

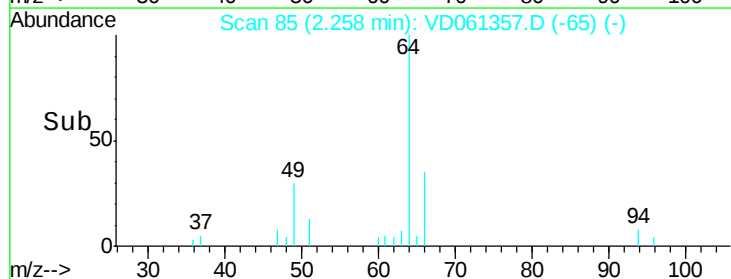
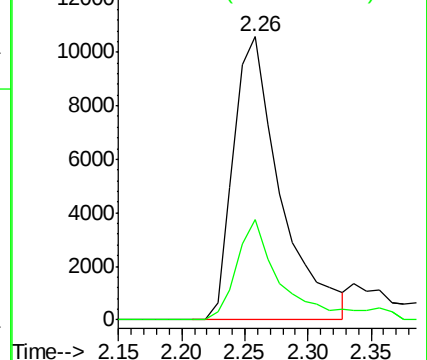
64 100

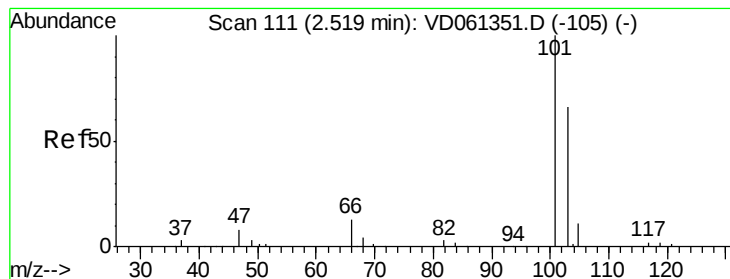
66 35.5 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



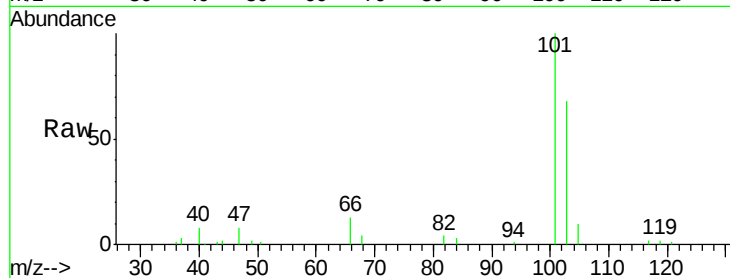


#7

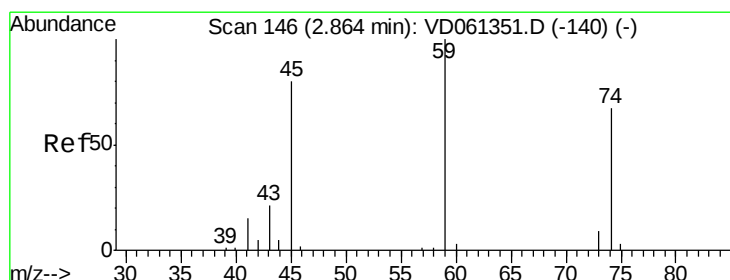
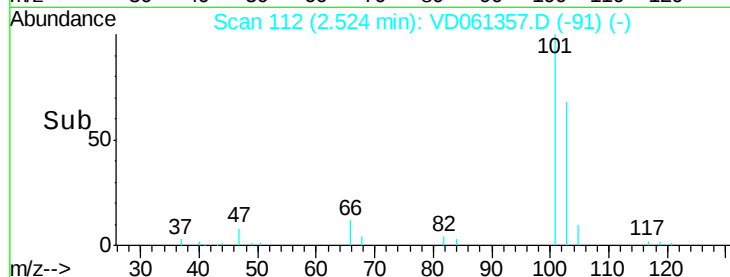
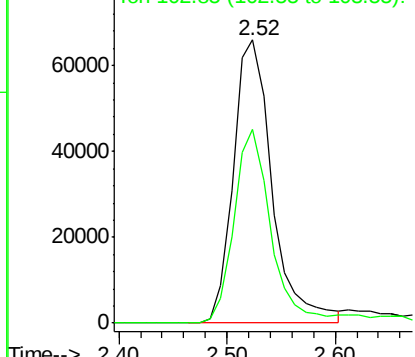
Trichlorofluoromethane
Concen: 19.487 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD061357.D
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Instrument :
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Tot Ion:101 Resp: 164785
Ion Ratio Lower Upper
101 100
103 68.4 53.1 79.7



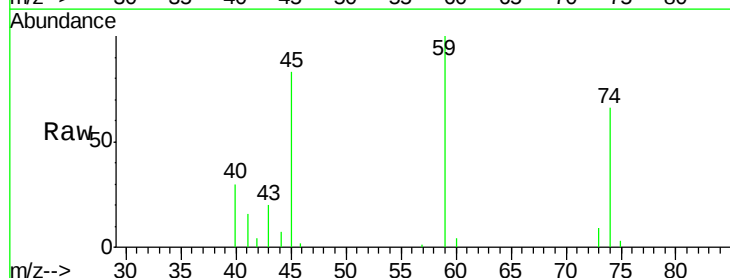
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



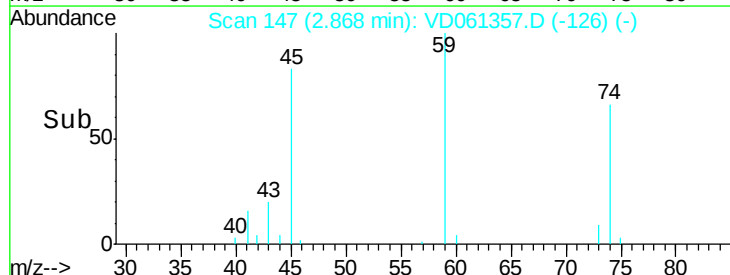
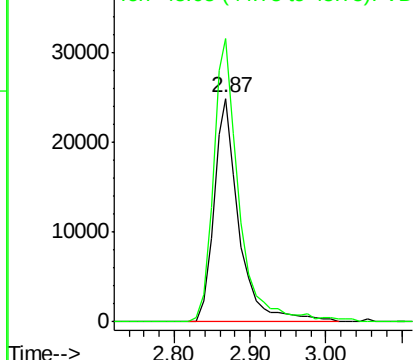
#8

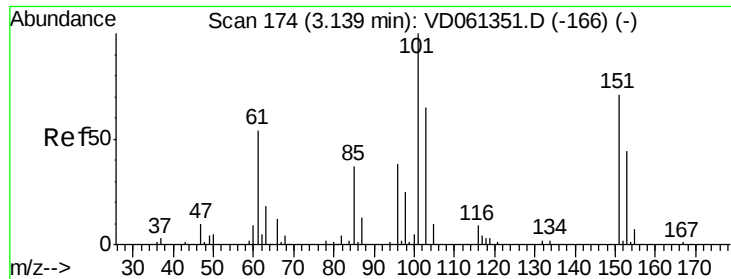
Diethyl Ether
Concen: 21.139 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061357.D
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Tgt Ion: 74 Resp: 57551
Ion Ratio Lower Upper
74 100
45 126.8 59.7 179.1



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

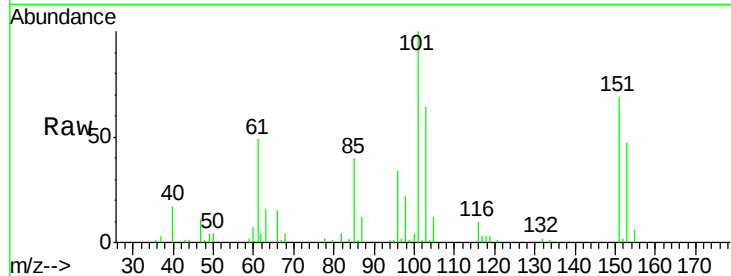




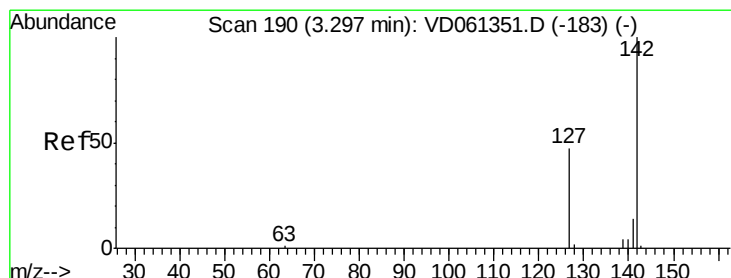
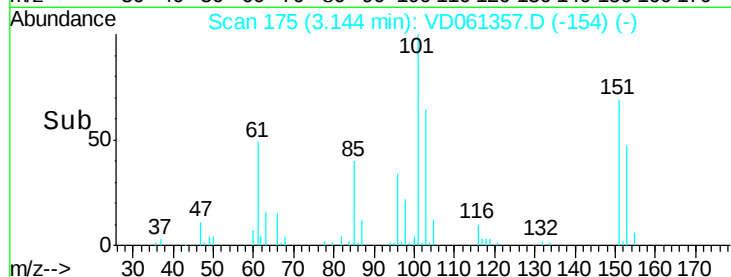
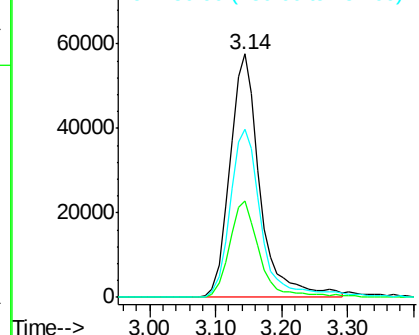
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.199 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion:101 Resp: 183624
 Ion Ratio Lower Upper
 101 100
 85 39.8 29.4 44.0
 151 68.9 57.0 85.4

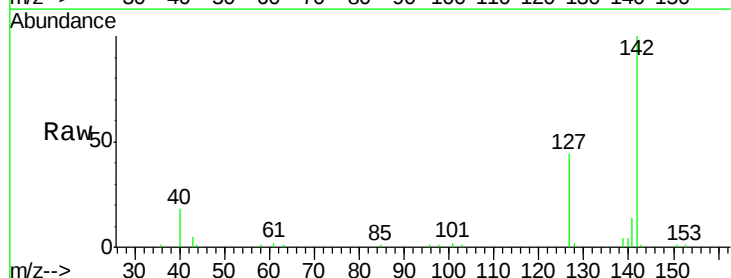


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

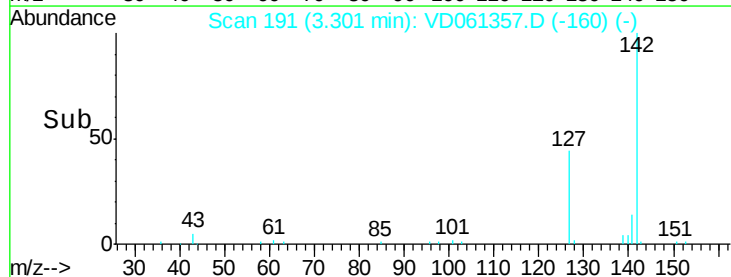
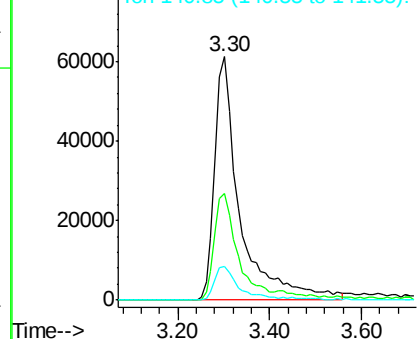


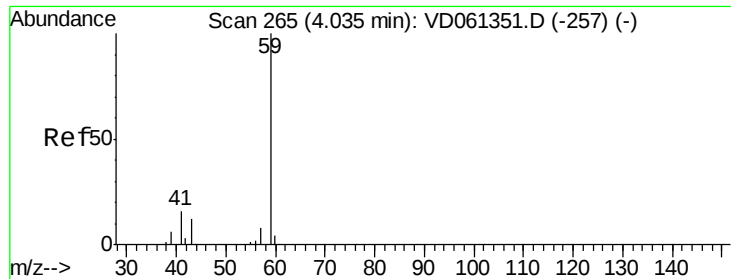
#10
 Methyl Iodide
 Concen: 19.147 ug/l
 RT: 3.30 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion:142 Resp: 232861
 Ion Ratio Lower Upper
 142 100
 127 43.9 37.7 56.5
 141 14.0 11.5 17.3



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



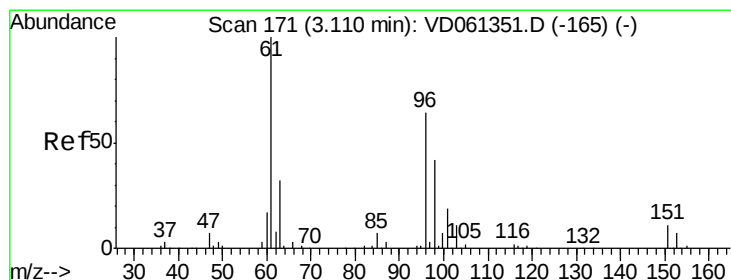
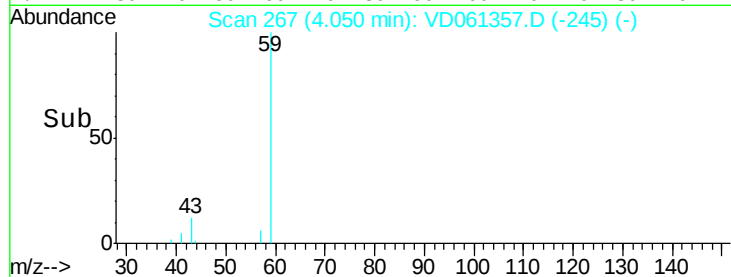
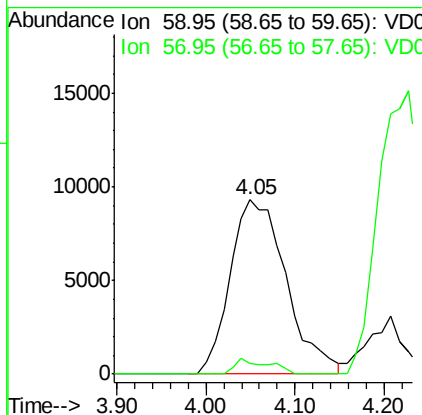
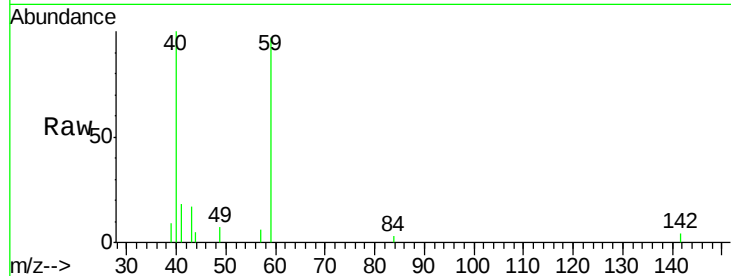


#11

Tert butyl alcohol
Concen: 105.256 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

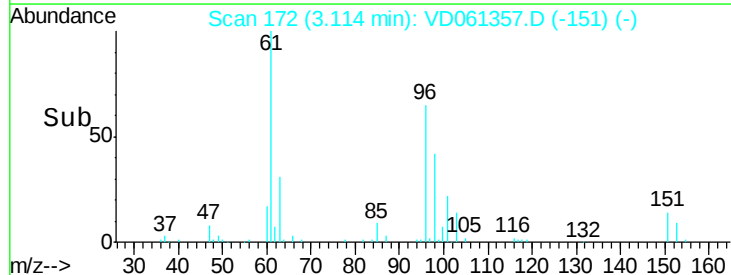
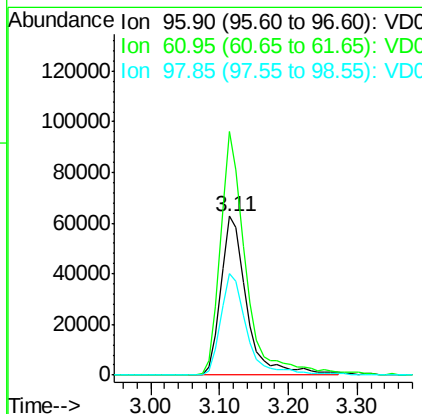
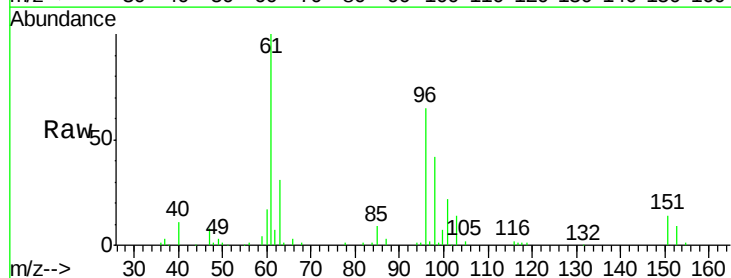
Tot Ion: 59 Resp: 40717
Ion Ratio Lower Upper
59 100
57 6.4 6.7 10.1#

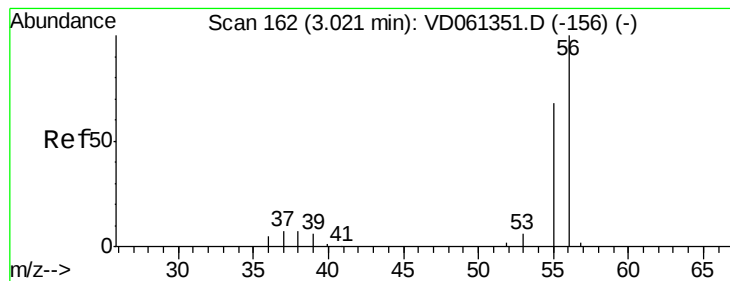


#12

1,1-Dichloroethene
Concen: 21.031 ug/l
RT: 3.11 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 96 Resp: 164142
Ion Ratio Lower Upper
96 100
61 153.4 124.9 187.3
98 64.0 52.5 78.7





#13

Acrolein

Concen: 116.857 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

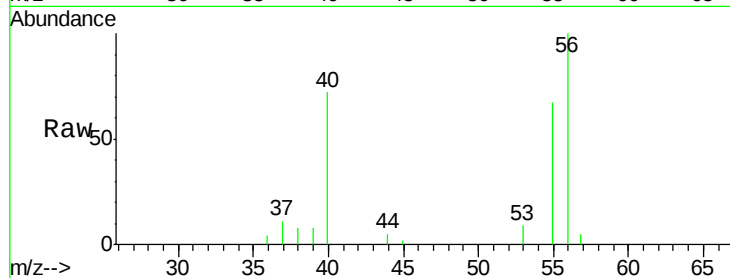
VD0327SBS01

Tot Ion: 56 Resp: 38039

Ion Ratio Lower Upper

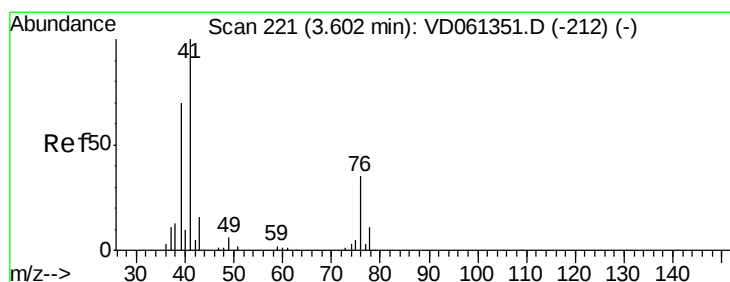
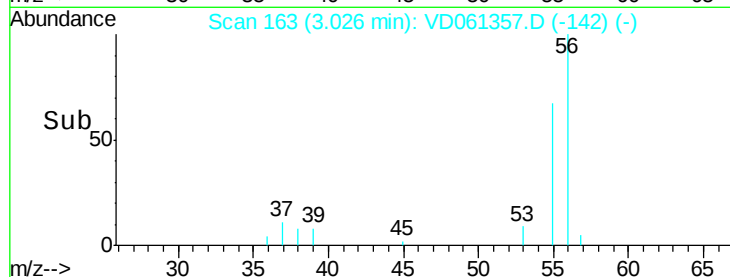
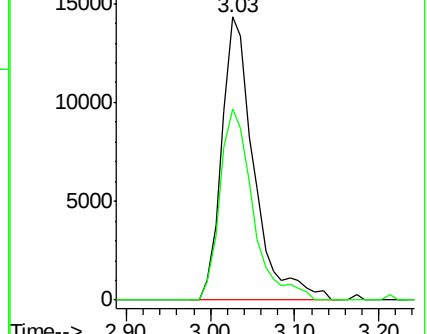
56 100

55 67.4 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.585 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

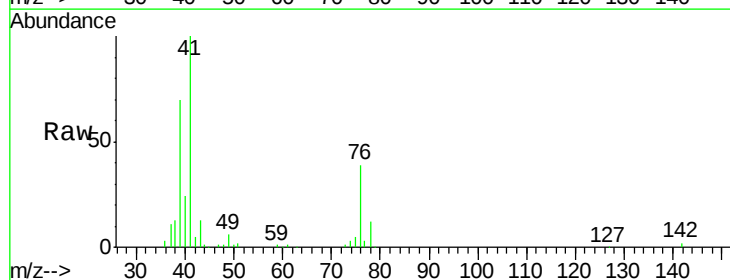
Tgt Ion: 41 Resp: 245867

Ion Ratio Lower Upper

41 100

39 70.3 55.6 83.4

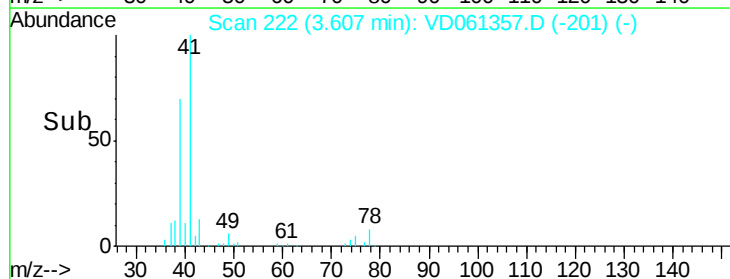
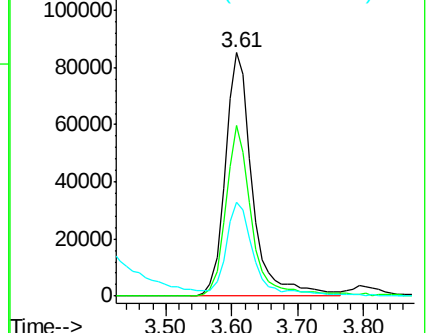
76 38.7 31.0 46.6

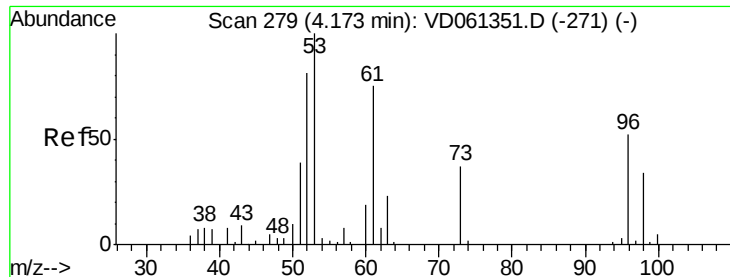


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 110.095 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

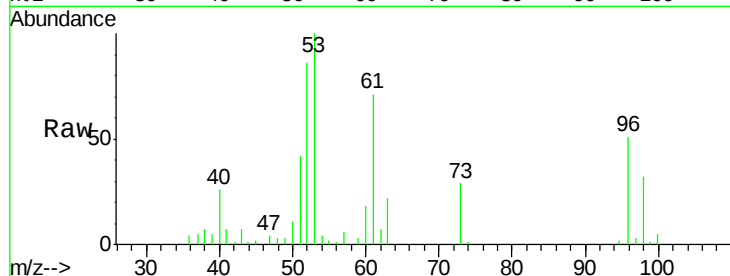
Tot Ion: 53 Resp: 147818

Ion Ratio Lower Upper

53 100

52 86.4 64.8 97.2

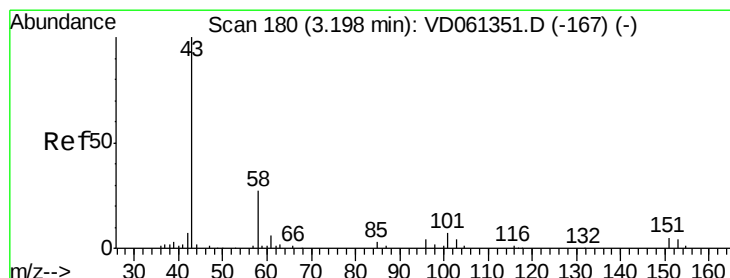
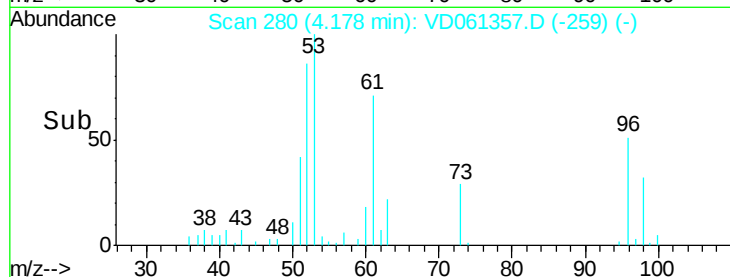
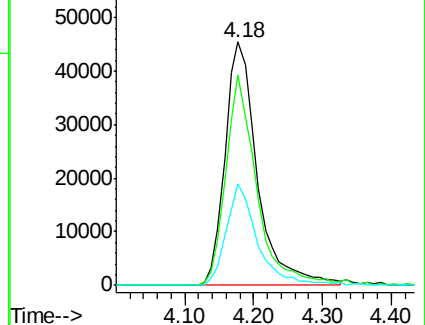
51 41.8 31.4 47.2



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: 100.837 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061357.D

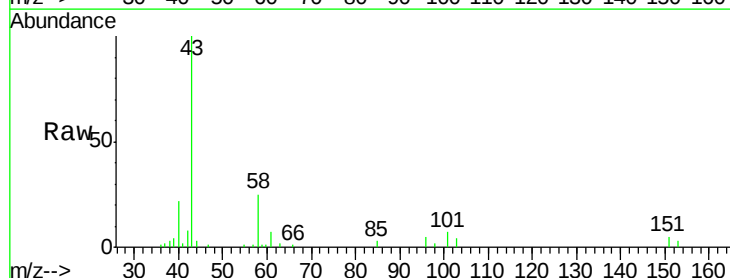
Acq: 27 Mar 2019 17:01

Tgt Ion: 43 Resp: 161016

Ion Ratio Lower Upper

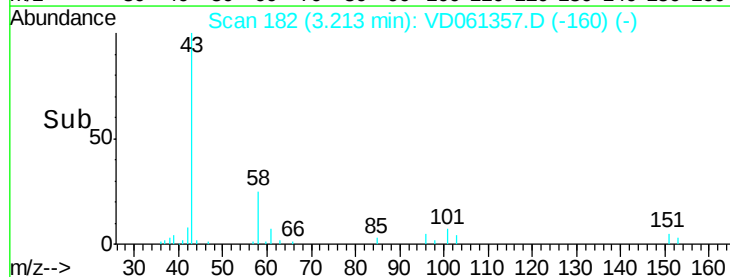
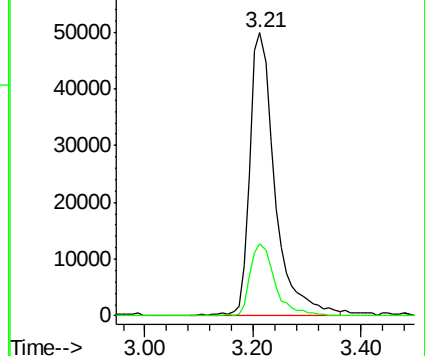
43 100

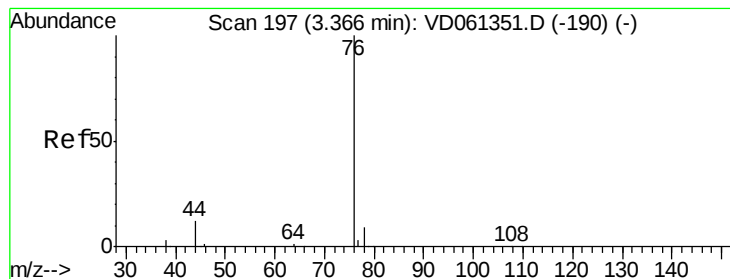
58 25.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.358 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

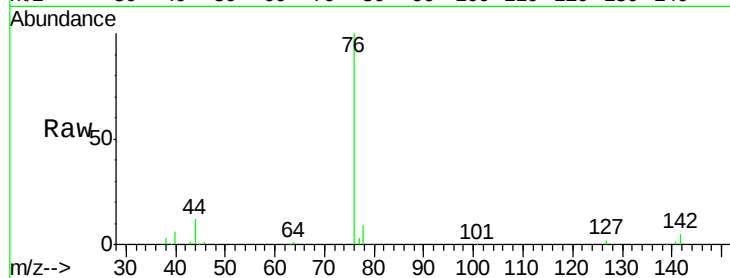
VD0327SBSD01

Tot Ion: 76 Resp: 516261

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

200000

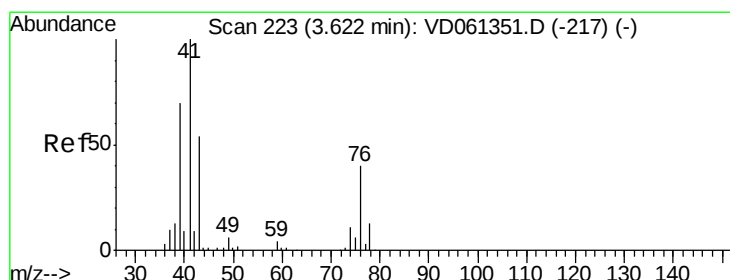
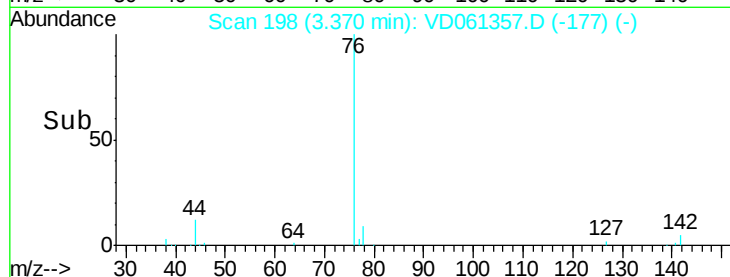
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.873 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061357.D

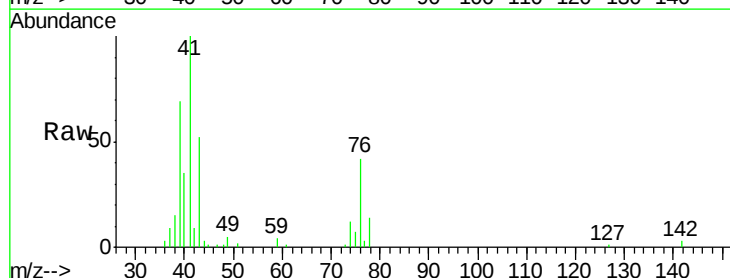
Acq: 27 Mar 2019 17:01

Tgt Ion: 43 Resp: 73435

Ion Ratio Lower Upper

43 100

74 22.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

30000

25000

20000

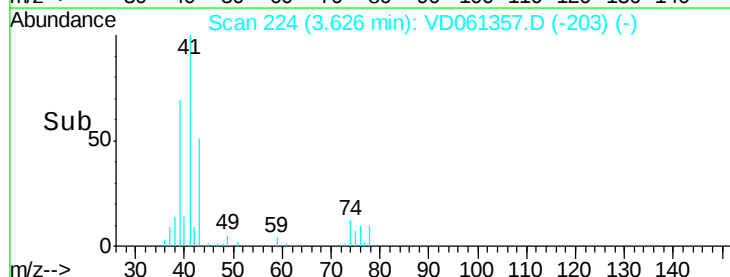
15000

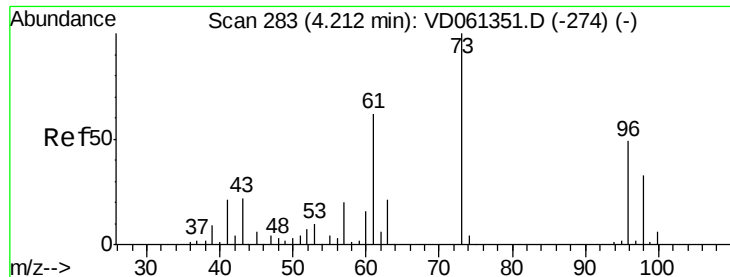
10000

5000

0

Time-->

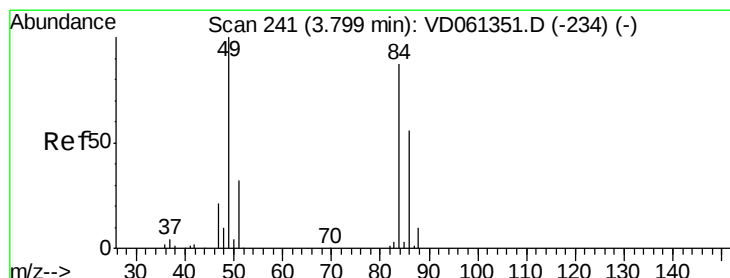
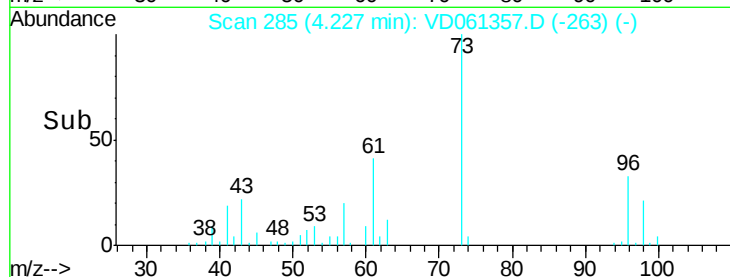
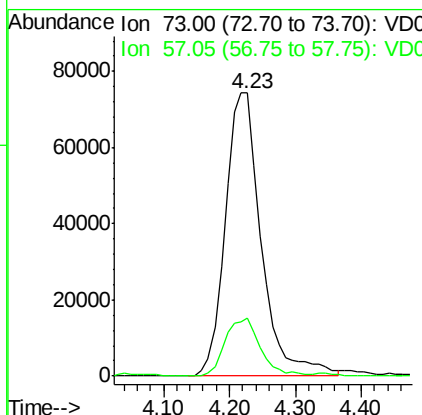
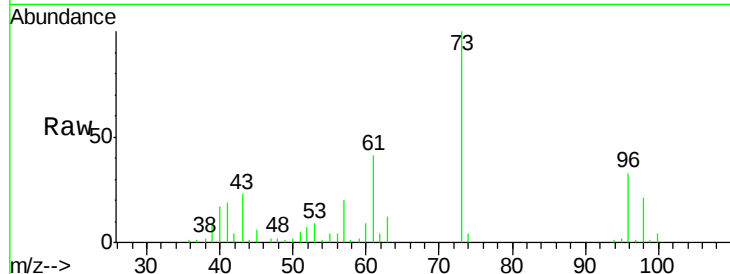




#19
Methvl tert-butvl Ether
Concen: 21.071 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

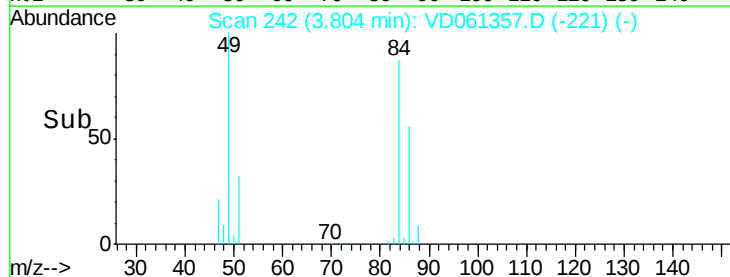
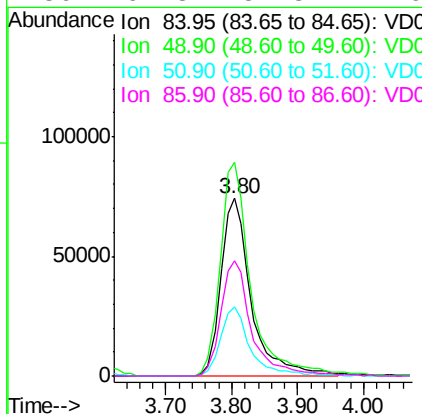
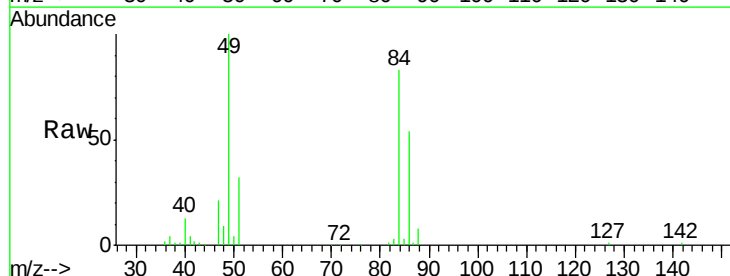
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

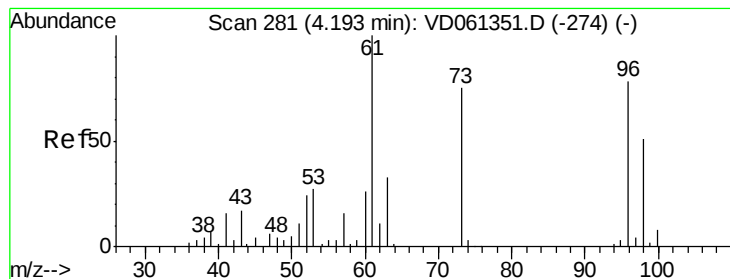
Tot Ion: 73 Resp: 284684
Ion Ratio Lower Upper
73 100
57 20.3 16.4 24.6



#20
Methylene Chloride
Concen: 25.697 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 84 Resp: 238215
Ion Ratio Lower Upper
84 100
49 120.1 91.8 137.8
51 38.6 29.8 44.8
86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.734 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD01

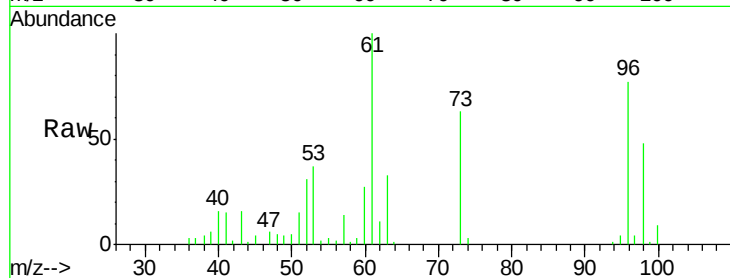
Tot Ion: 96 Resp: 183139

Ion Ratio Lower Upper

96 100

61 130.6 102.7 154.1

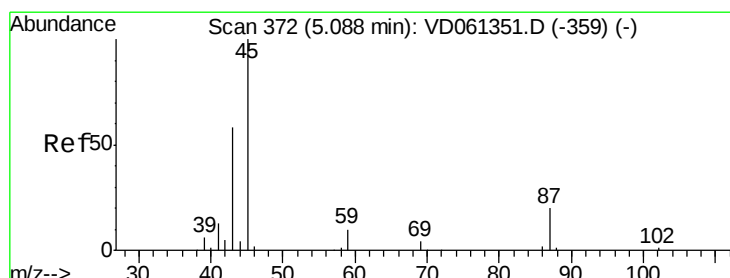
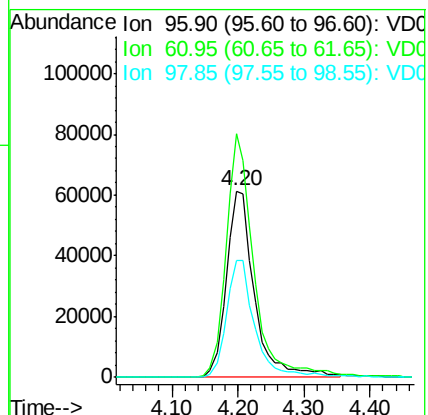
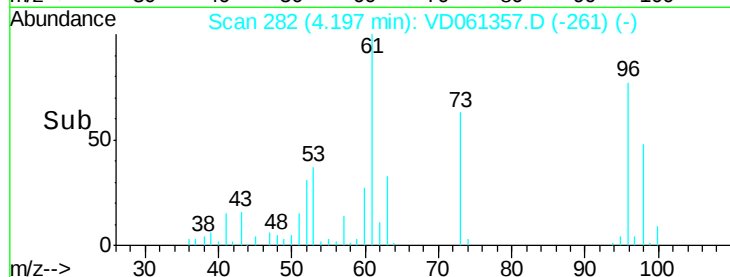
98 62.5 52.2 78.4



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: 21.653 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Tgt Ion: 45 Resp: 498816

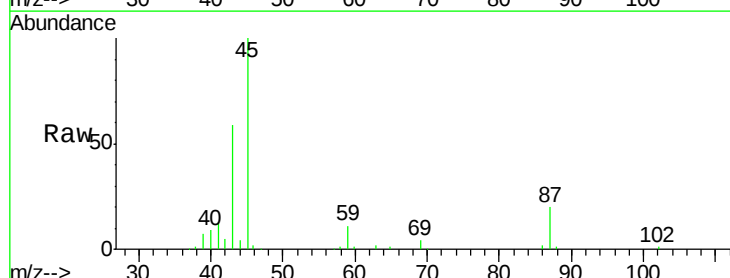
Ion Ratio Lower Upper

45 100

43 58.8 47.4 71.2

87 19.9 16.3 24.5

59 10.6 8.4 12.6

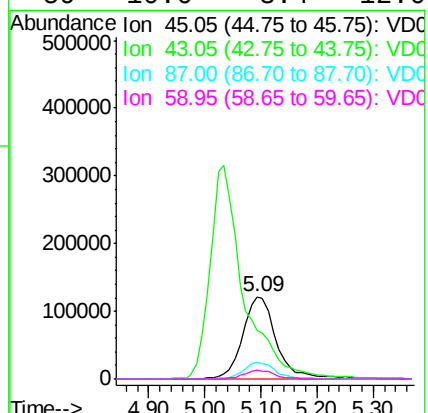
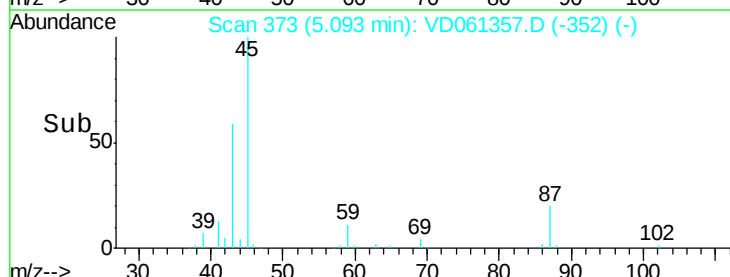


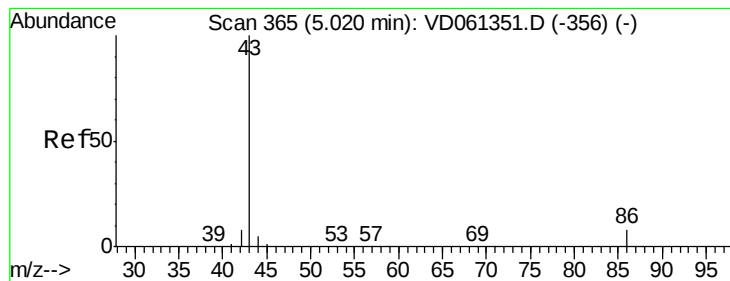
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.099 ug/l

RT: 5.03 min Scan# 367

Delta R.T. 0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

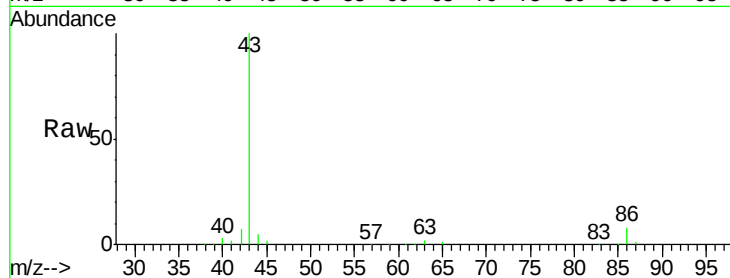
VD0327SBS01

Tot Ion: 43 Resp: 1302640

Ion Ratio Lower Upper

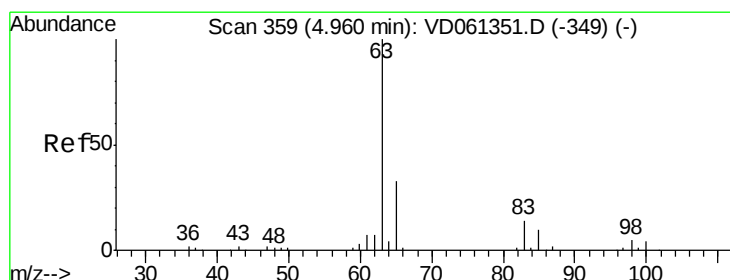
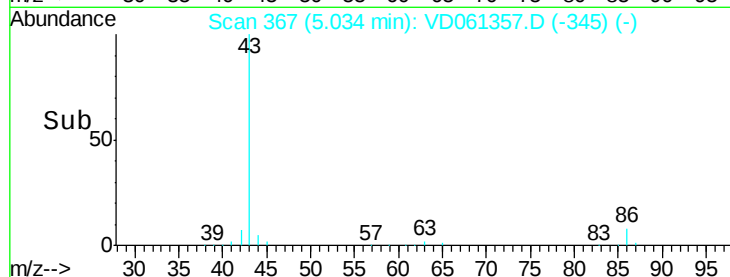
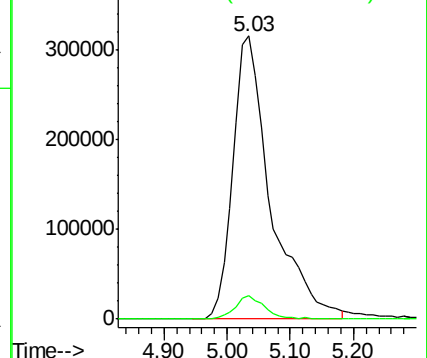
43 100

86 8.1 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.151 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

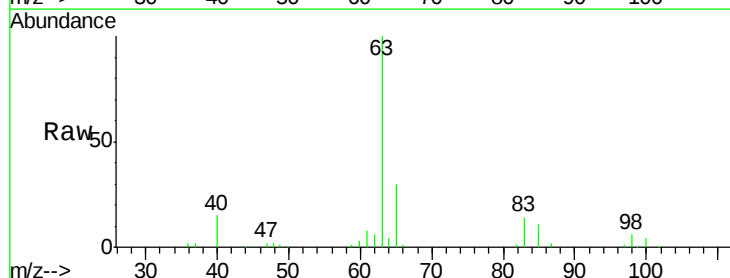
Tgt Ion: 63 Resp: 286345

Ion Ratio Lower Upper

63 100

98 6.2 2.6 8.0

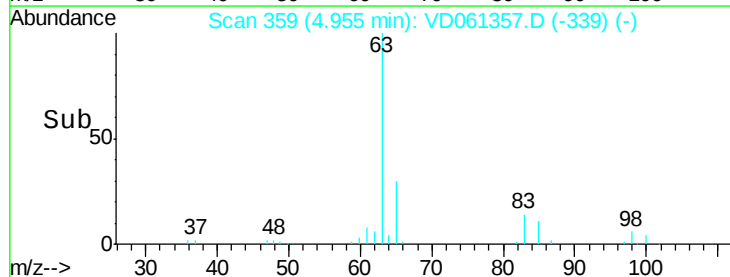
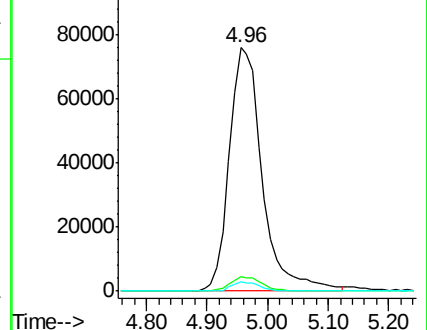
100 3.8 1.8 5.3

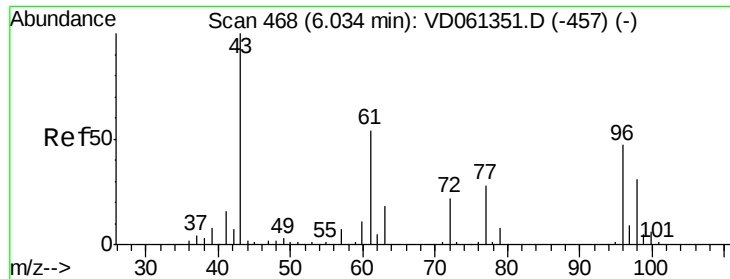


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

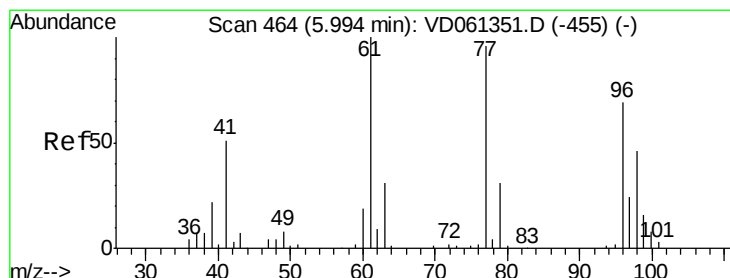
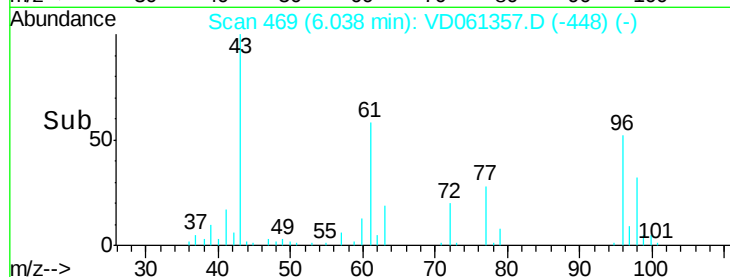
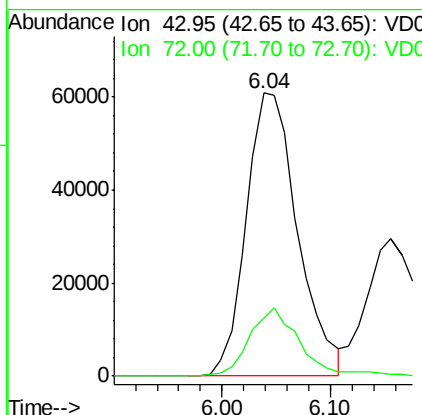
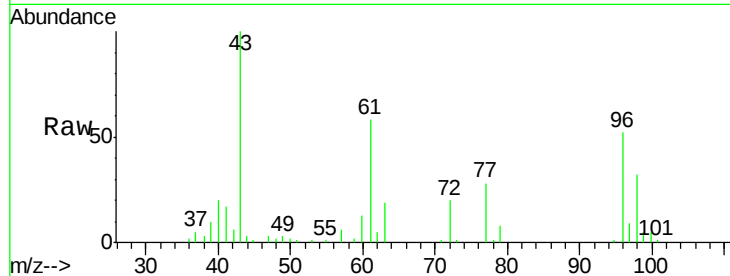




#25
2-Butanone
Concen: 100.681 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

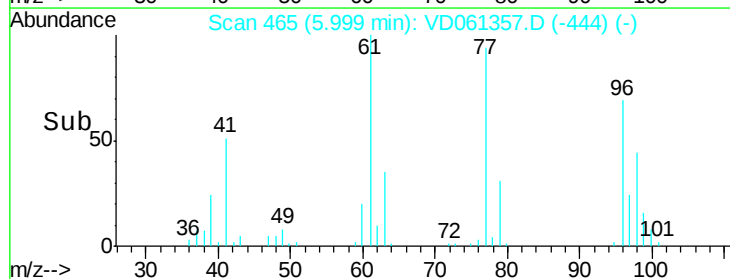
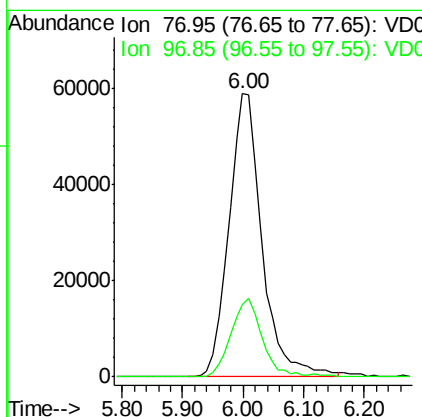
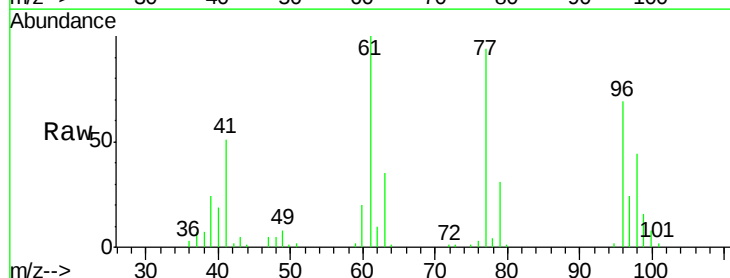
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 43 Resp: 202231
Ion Ratio Lower Upper
43 100
72 20.3 17.2 25.8



#26
2,2-Dichloropropane
Concen: 20.714 ug/l
RT: 6.00 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 77 Resp: 222933
Ion Ratio Lower Upper
77 100
97 25.5 12.7 38.0



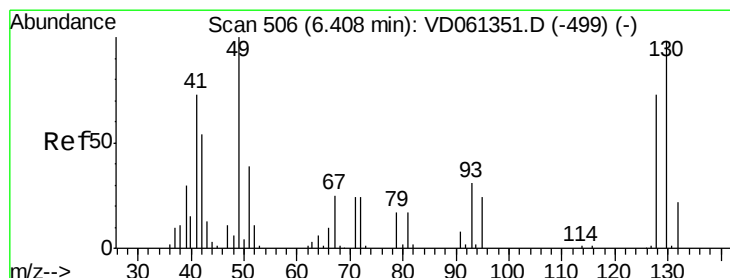
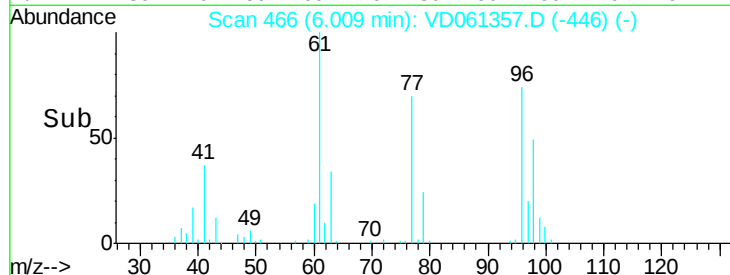
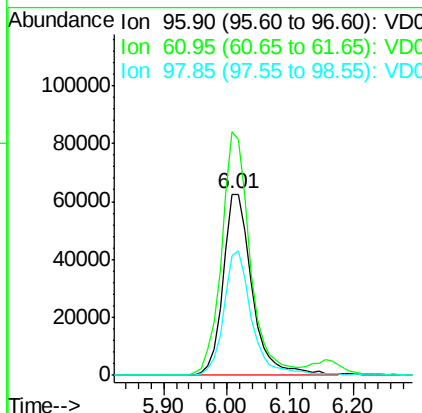
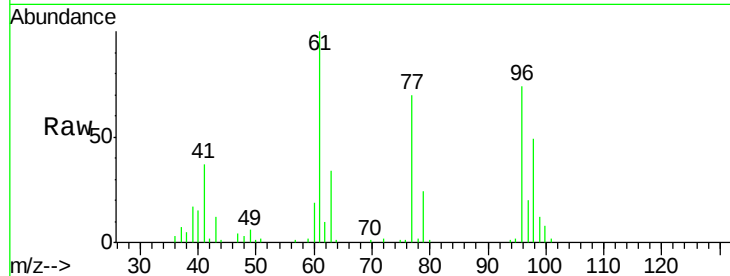


#27

cis-1,2-Dichloroethene
 Concen: 21.659 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

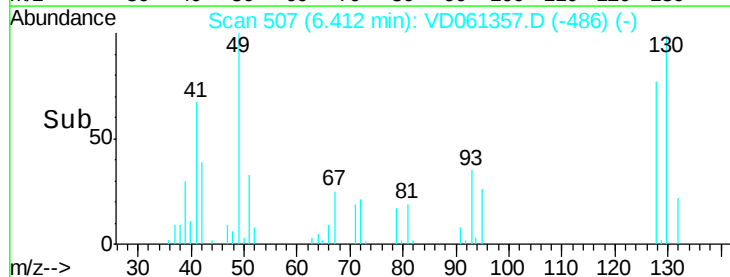
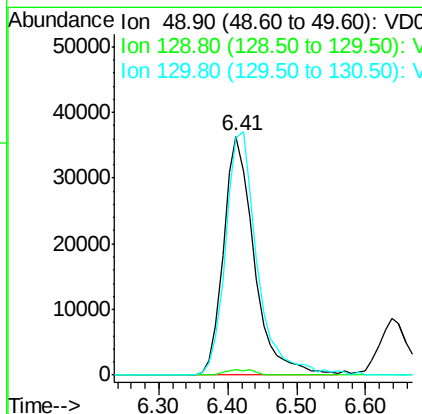
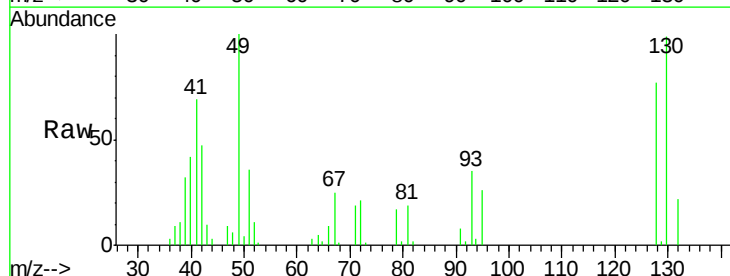
Tot Ion	96	Resp	199963
Ion	Ratio	Lower	Upper
96	100		
61	134.5	0.0	251.6
98	66.0	0.0	129.2



#28

Bromochloromethane
 Concen: 20.509 ug/l
 RT: 6.41 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion	49	Resp	112085
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	99.3	78.4	117.6

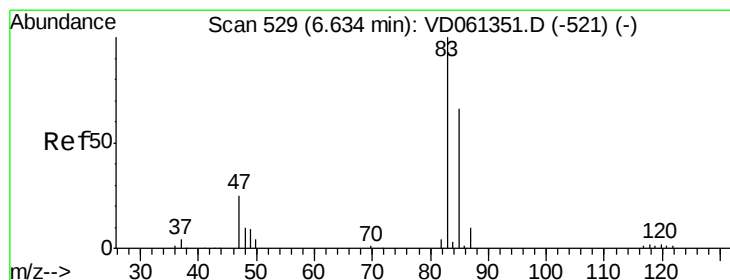
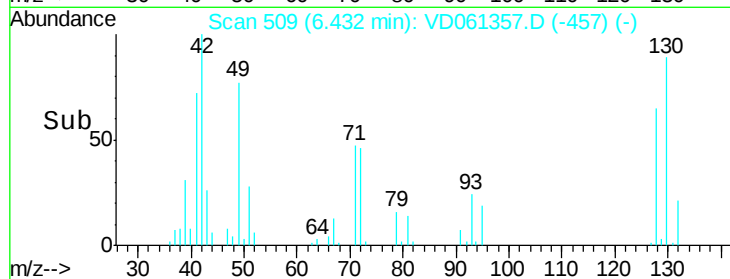
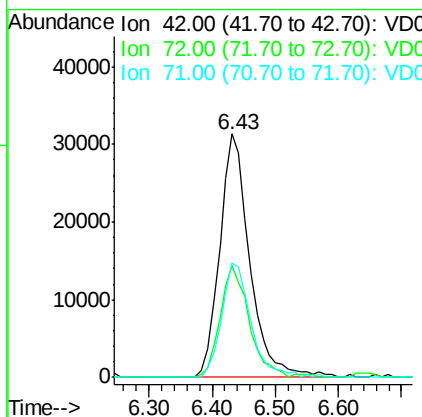
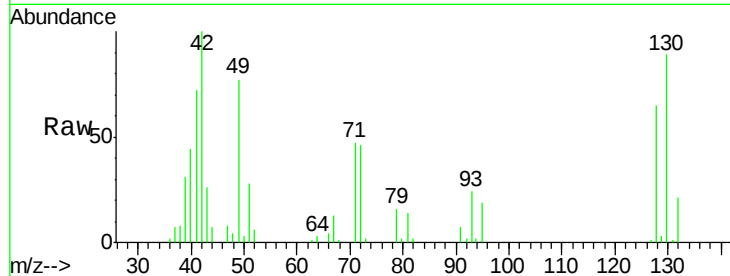




#29
Tetrahydrofuran
Concen: 106.278 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

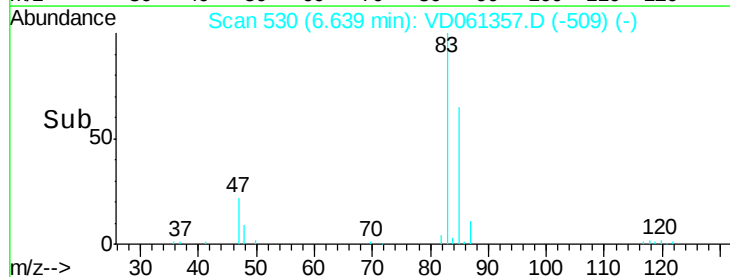
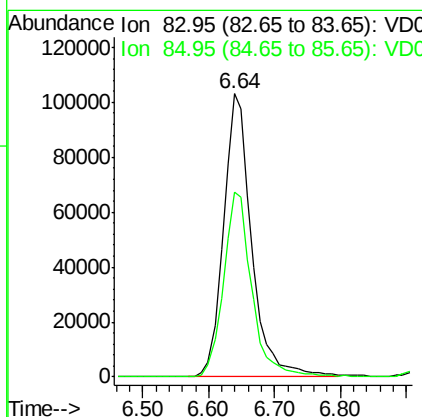
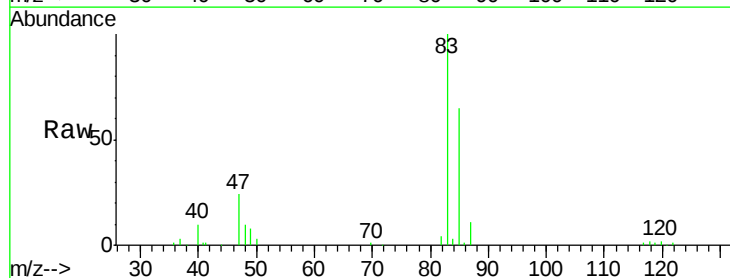
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

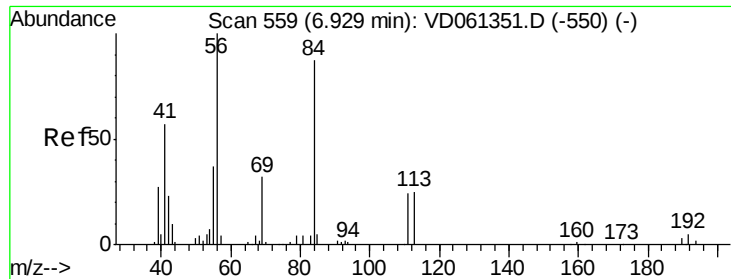
Tot Ion: 42 Resp: 103469
Ion Ratio Lower Upper
42 100
72 44.0 37.4 56.0
71 45.7 36.7 55.1



#30
Chloroform
Concen: 21.920 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 83 Resp: 306639
Ion Ratio Lower Upper
83 100
85 65.4 53.0 79.4

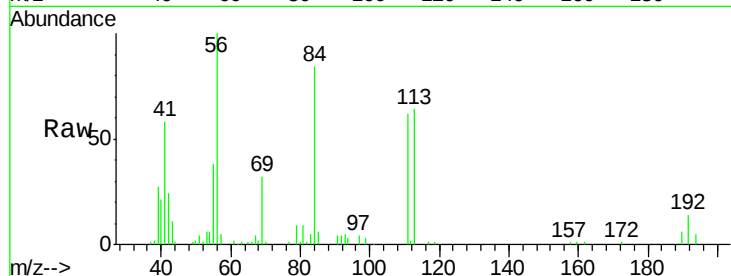




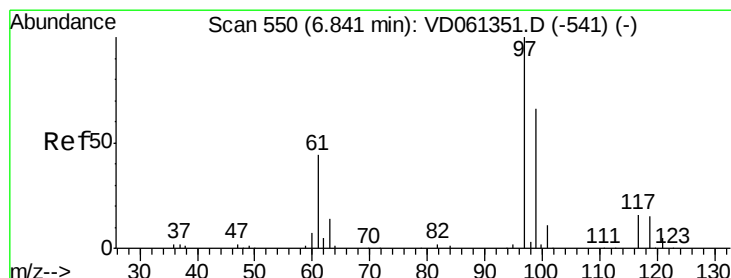
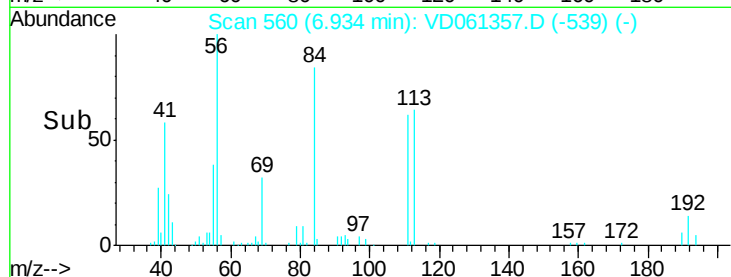
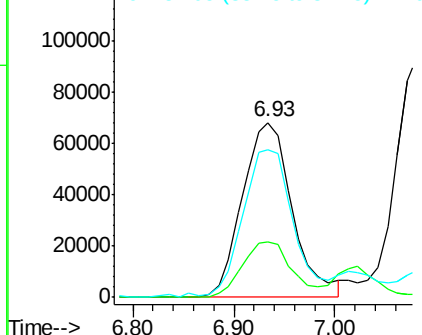
#31
Cvclohexane
Concen: 21.842 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion: 56 Resp: 233677
Ion Ratio Lower Upper
56 100
69 31.8 25.7 38.5
84 84.2 70.6 105.8

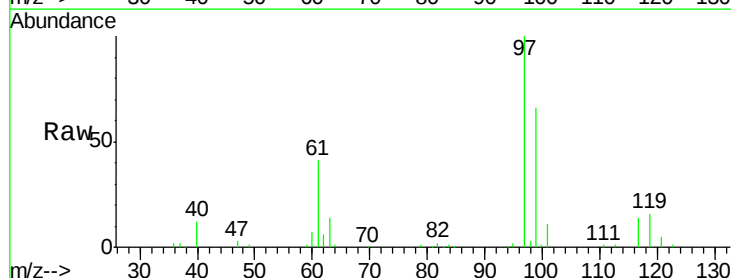


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

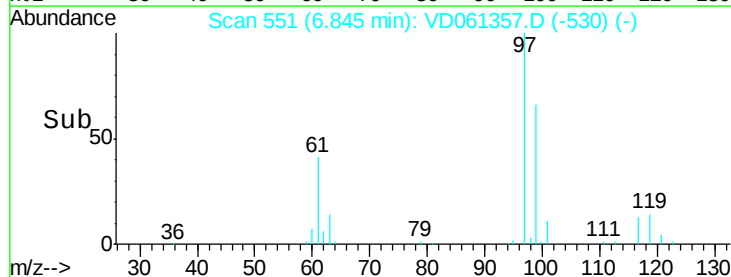
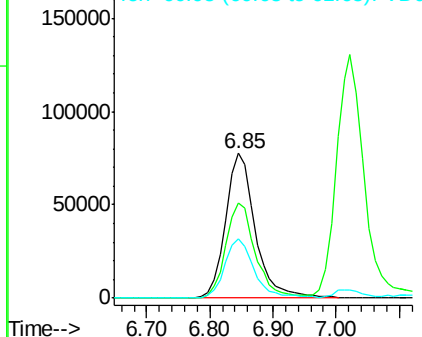


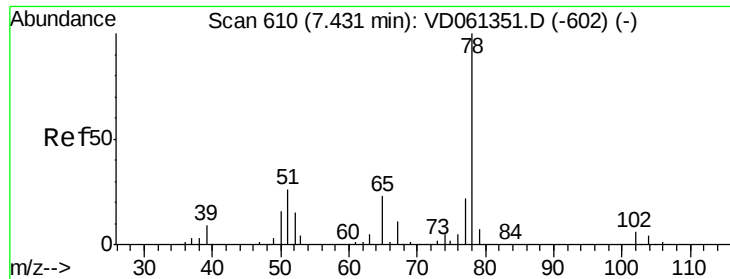
#32
1,1,1-Trichloroethane
Concen: 20.353 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 97 Resp: 251181
Ion Ratio Lower Upper
97 100
99 65.8 53.1 79.7
61 40.8 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.353 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

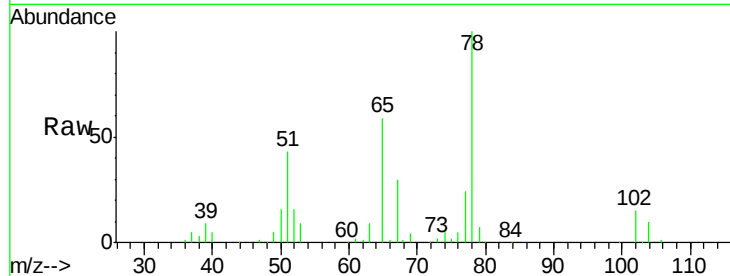
VD0327SBS01

Tot Ion: 65 Resp: 330009

Ion Ratio Lower Upper

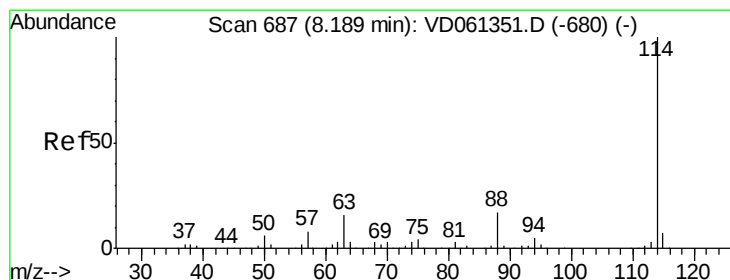
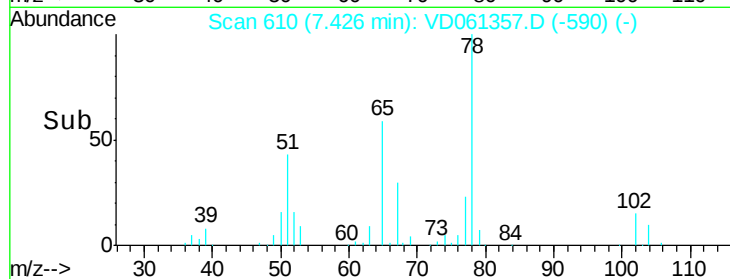
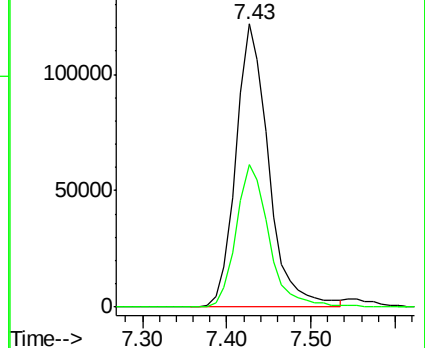
65 100

67 50.4 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

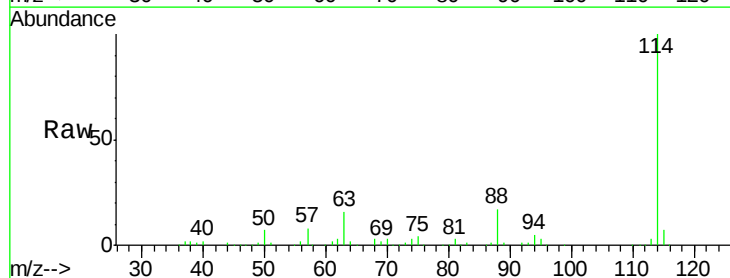
Tgt Ion: 114 Resp: 1293680

Ion Ratio Lower Upper

114 100

63 16.4 0.0 31.6

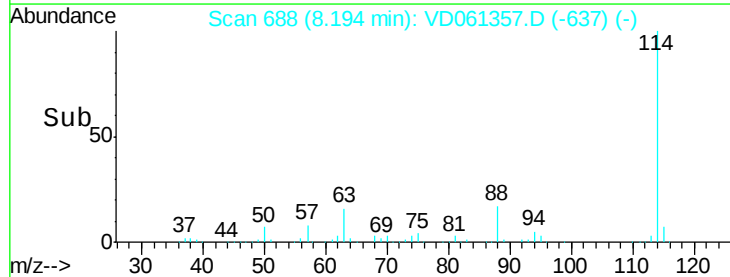
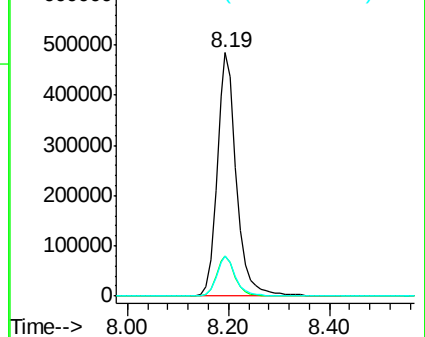
88 16.5 0.0 33.4

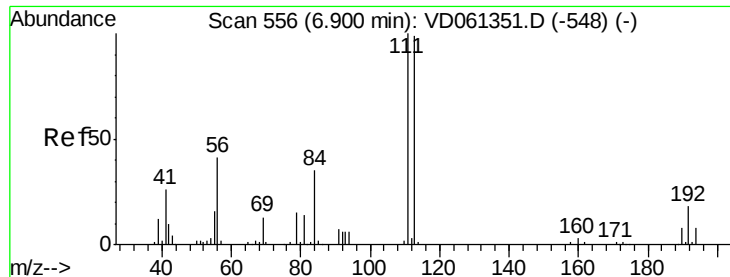


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

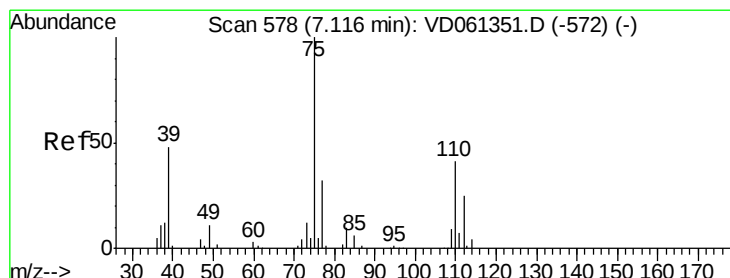
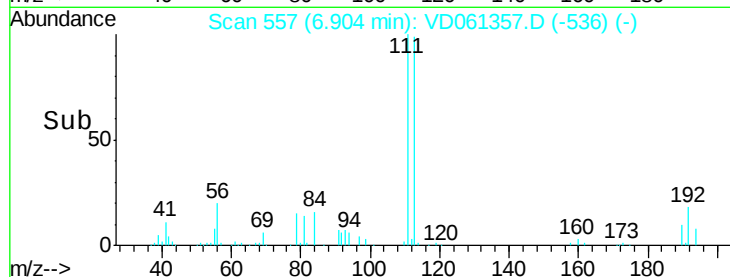
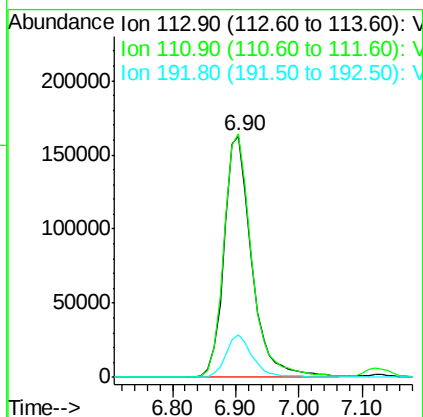
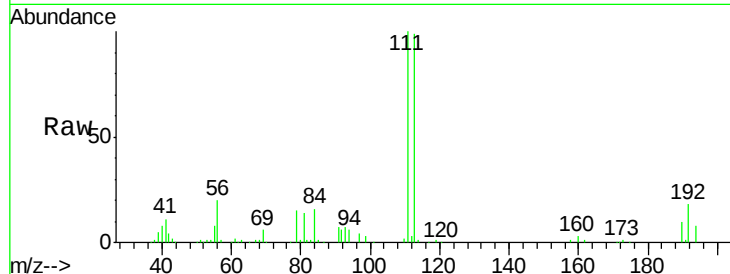




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

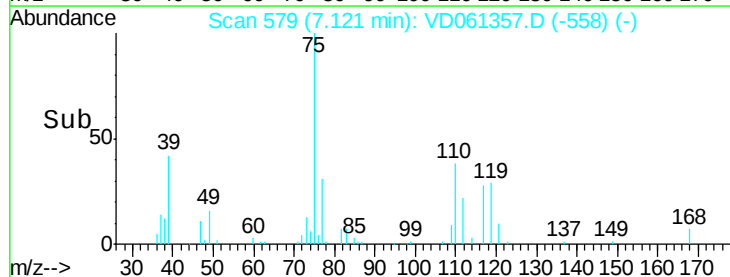
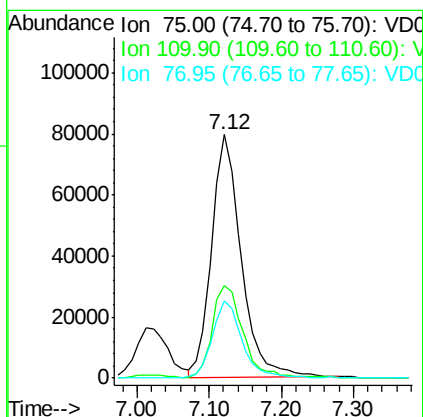
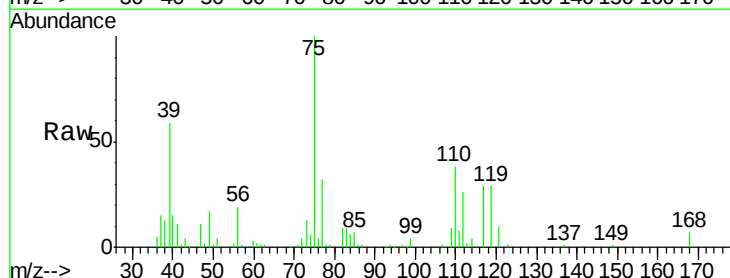
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

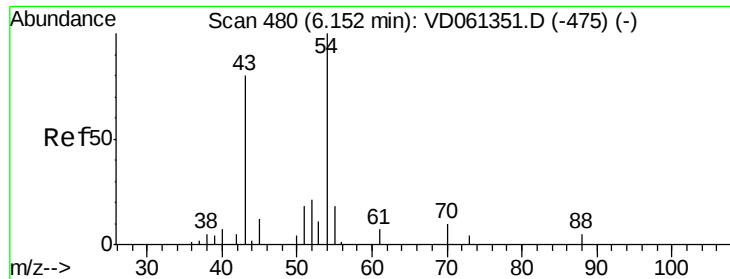
Tot Ion:113 Resp: 493581
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.0 121.6
 192 17.9 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 19.937 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion: 75 Resp: 225107
 Ion Ratio Lower Upper
 75 100
 110 38.1 20.4 61.3
 77 31.8 24.9 37.3

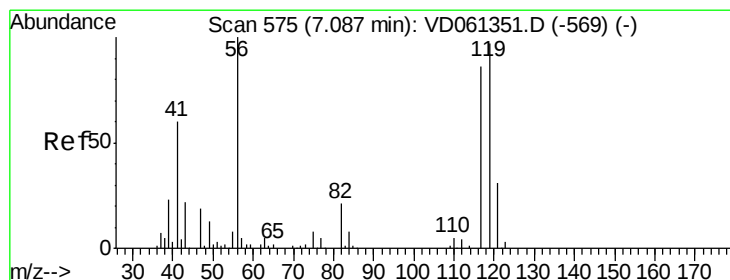
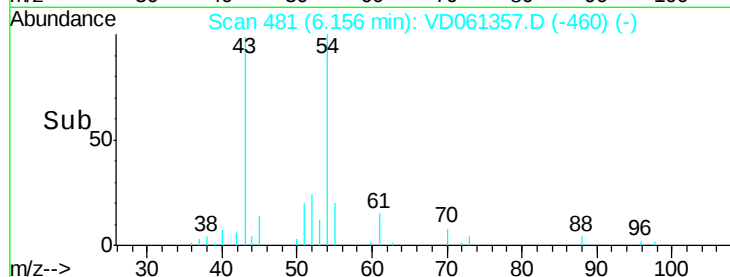
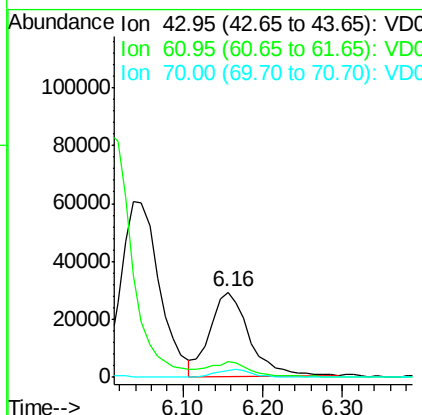
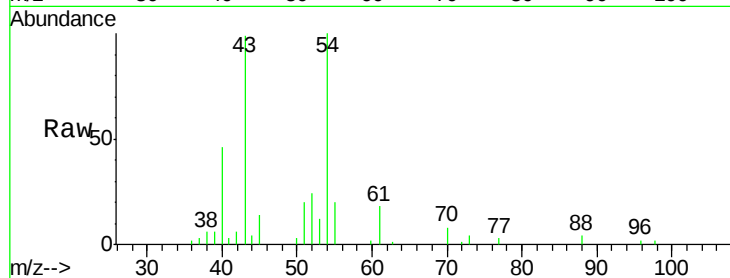




#37
Ethyl Acetate
Concen: 20.954 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

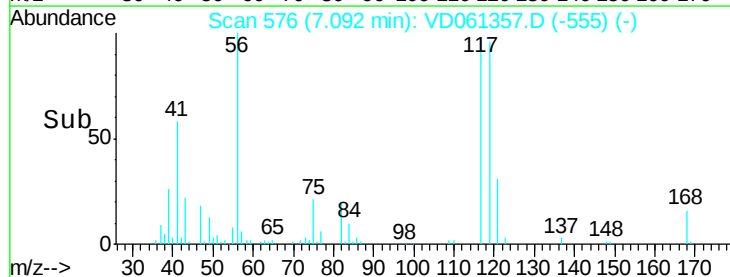
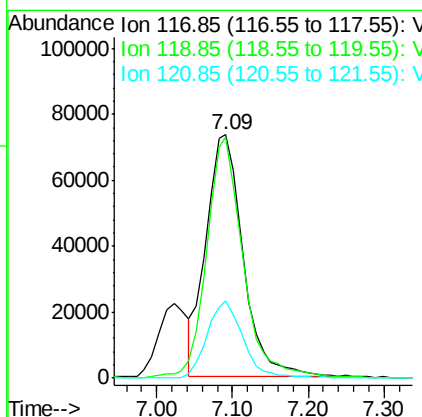
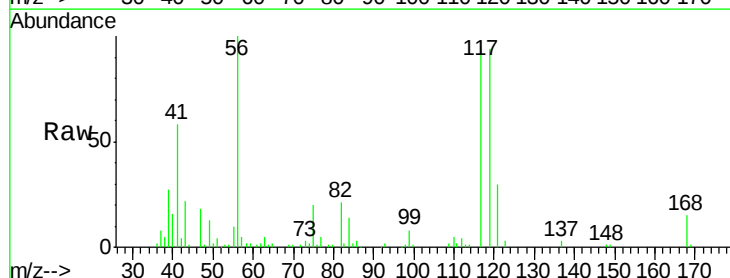
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 43 Resp: 101184
Ion Ratio Lower Upper
43 100
61 18.5 13.8 20.8
70 7.8 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 19.472 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 117 Resp: 250336
Ion Ratio Lower Upper
117 100
119 98.9 80.1 120.1
121 31.7 25.6 38.4





#39

Methvlcvclohexane

Concen: 20.777 ug/l

RT: 8.84 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD01

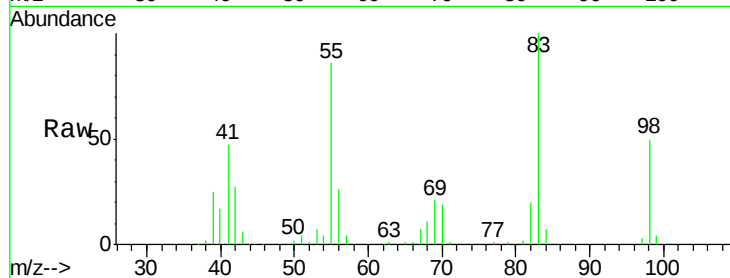
Tot Ion: 83 Resp: 244323

Ion Ratio Lower Upper

83 100

55 85.8 71.5 107.3

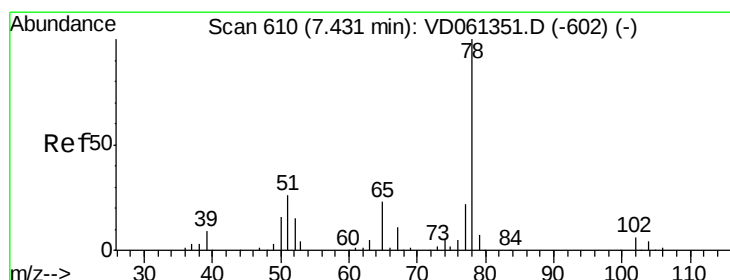
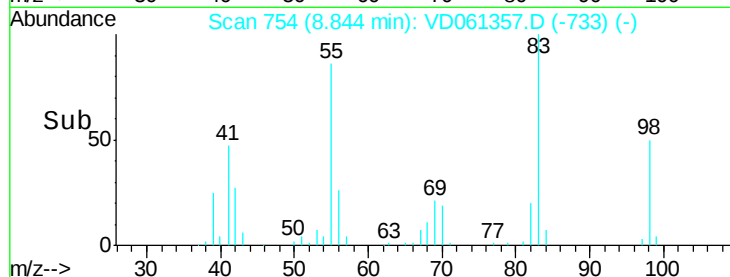
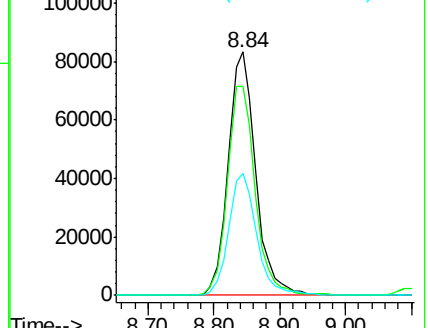
98 50.1 40.3 60.5



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: 20.929 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061357.D

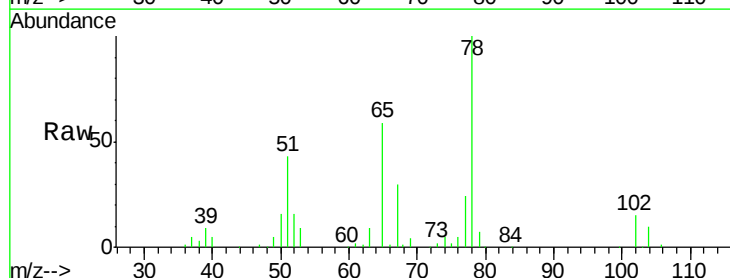
Acq: 27 Mar 2019 17:01

Tgt Ion: 78 Resp: 593056

Ion Ratio Lower Upper

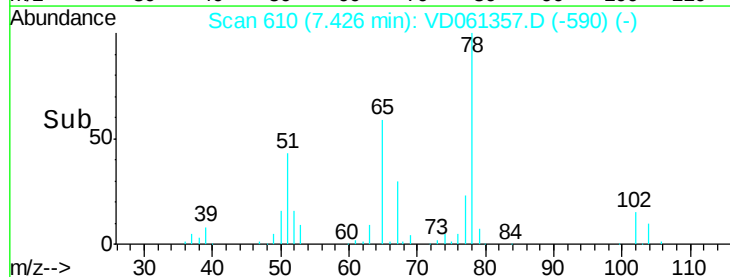
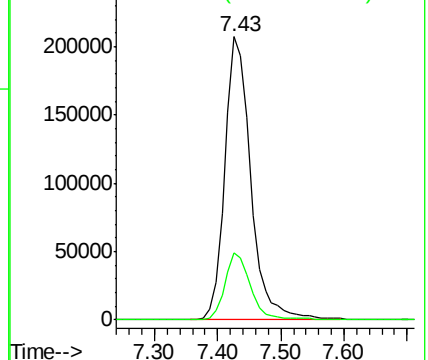
78 100

77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

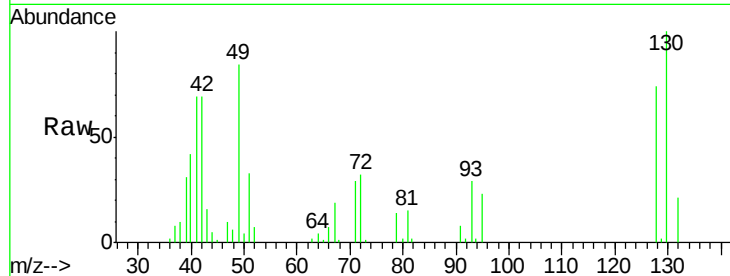




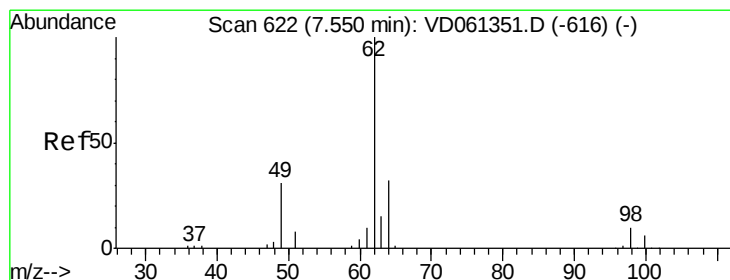
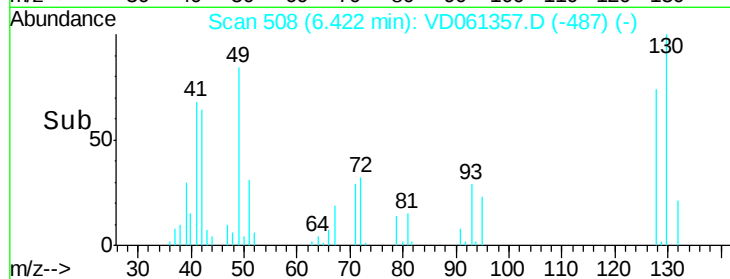
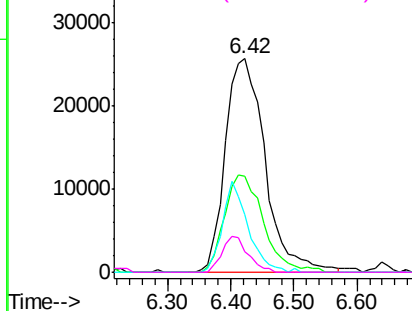
#41
Methacrylonitrile
Concen: 19.858 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion: 41 Resp: 112122
Ion Ratio Lower Upper
41 100
39 44.7 35.0 52.6
67 27.2 21.0 31.6
52 9.8 7.7 11.5

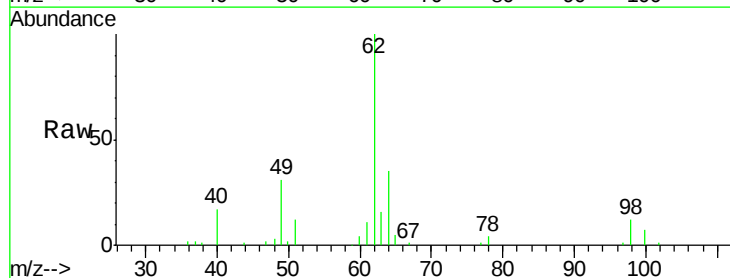


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

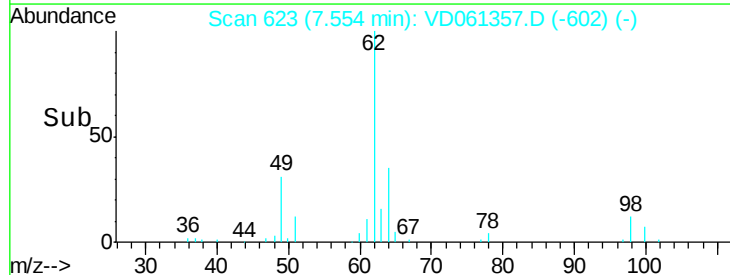
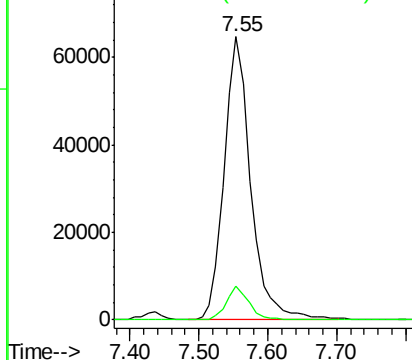


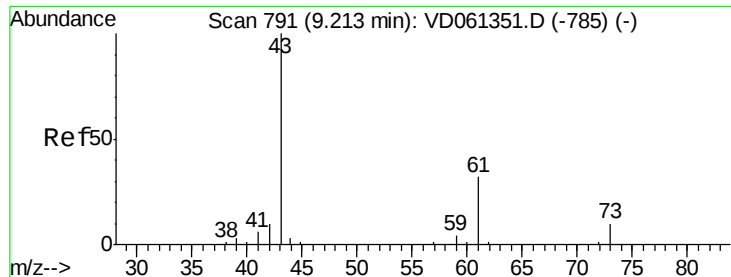
#42
1,2-Dichloroethane
Concen: 20.413 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 62 Resp: 173027
Ion Ratio Lower Upper
62 100
98 12.1 0.0 19.8



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

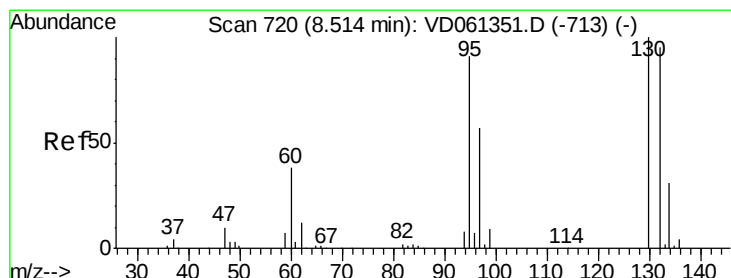
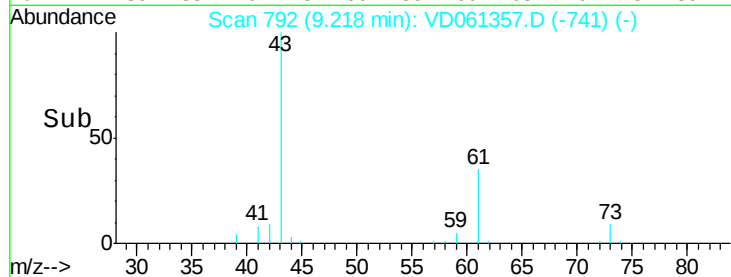
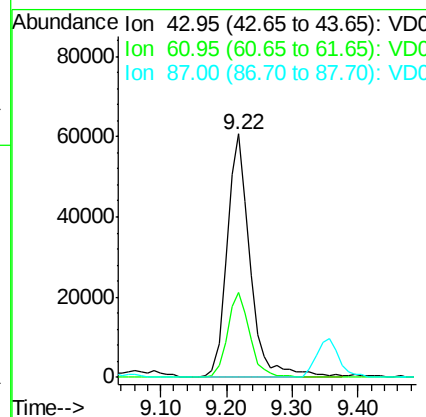
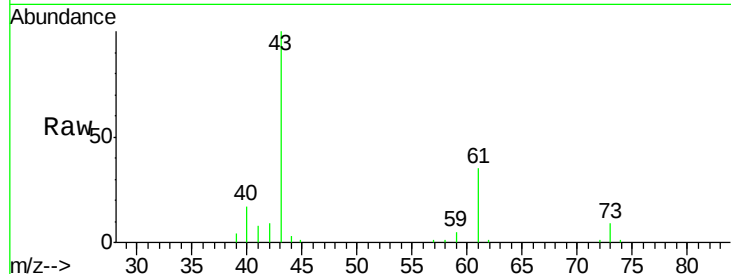




#43
Isopropyl Acetate
Concen: 21.126 ug/l
RT: 9.22 min Scan# 792
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

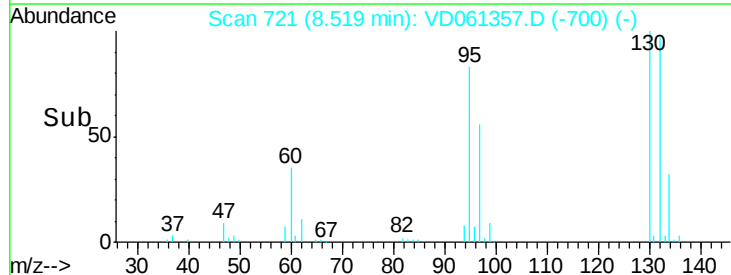
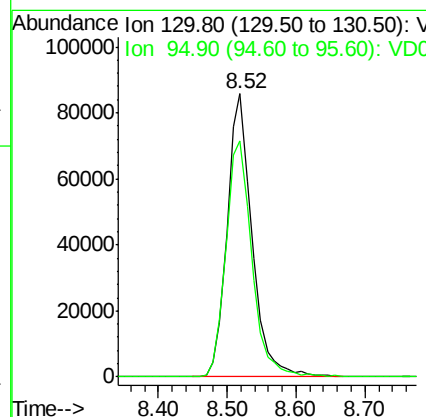
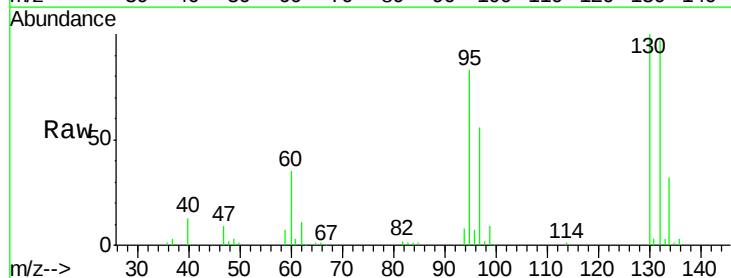
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

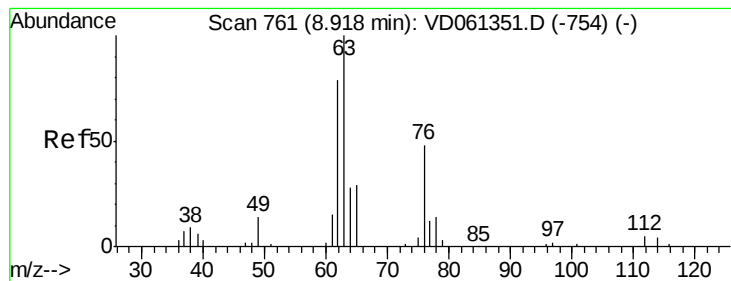
Tot Ion: 43 Resp: 148429
Ion Ratio Lower Upper
43 100
61 34.7 25.8 38.6
87 0.0 0.0 0.0



#44
Trichloroethene
Concen: 20.292 ug/l
RT: 8.52 min Scan# 721
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion:130 Resp: 213989
Ion Ratio Lower Upper
130 100
95 83.2 0.0 181.4





#45

1,2-Dichloropropane

Concen: 21.005 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

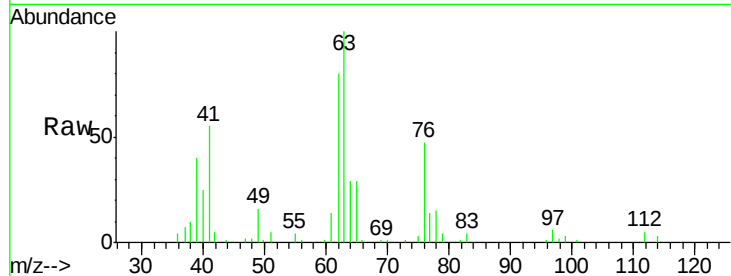
VD0327SBSD01

Tot Ion: 63 Resp: 150928

Ion Ratio Lower Upper

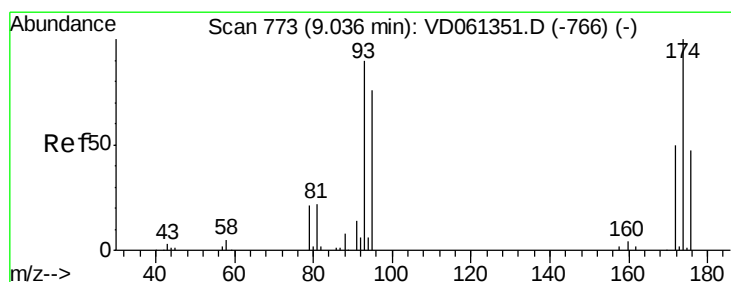
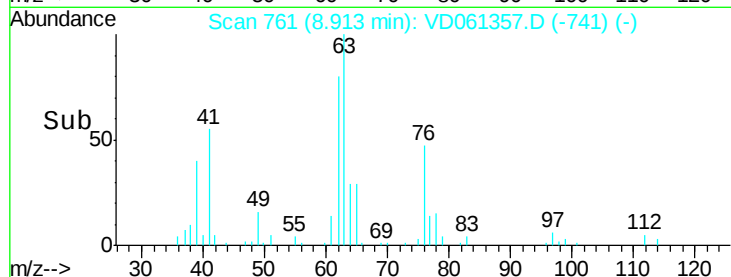
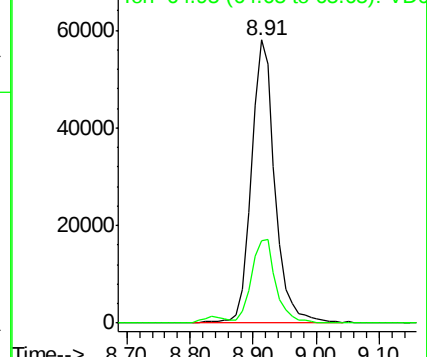
63 100

65 29.1 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.150 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

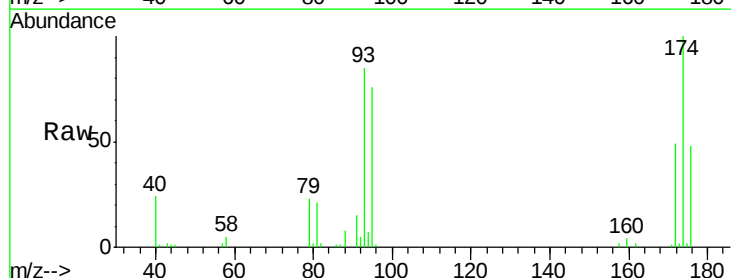
Tgt Ion: 93 Resp: 97453

Ion Ratio Lower Upper

93 100

95 89.7 67.4 101.0

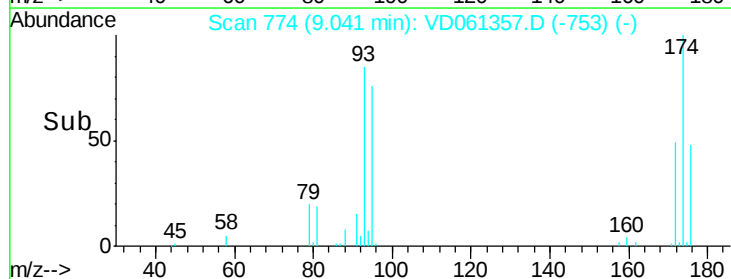
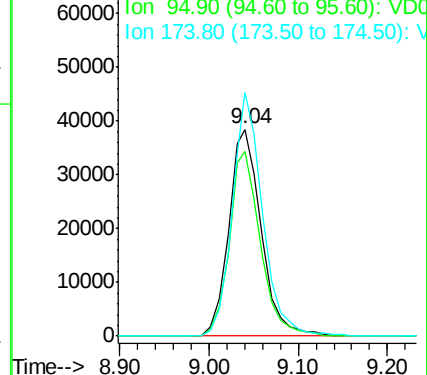
174 117.9 88.9 133.3



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): VDC





#47

Bromodichloromethane

Concen: 20.042 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD01

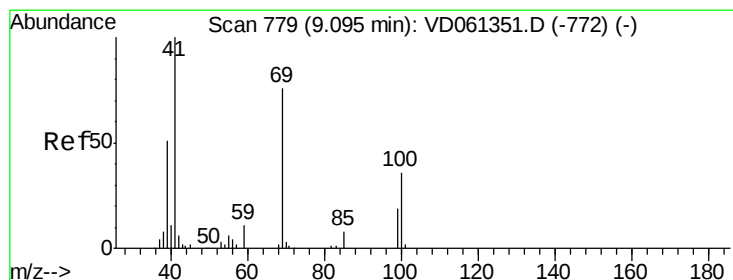
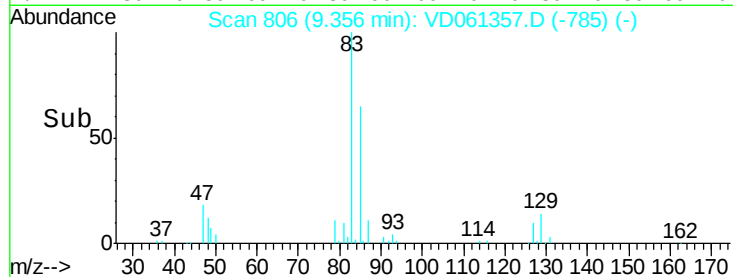
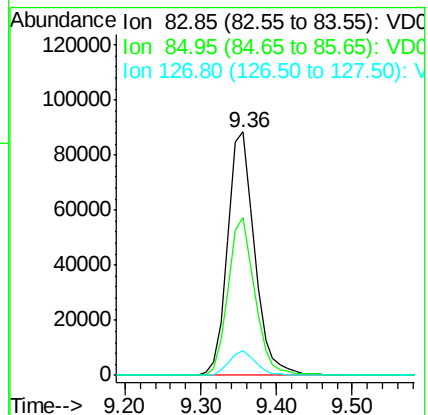
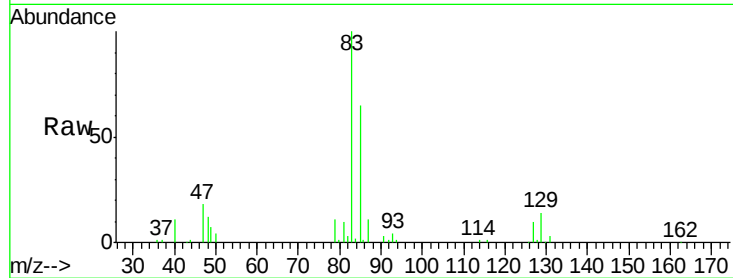
Tot Ion: 83 Resp: 217551

Ion Ratio Lower Upper

83 100

85 65.0 53.0 79.4

127 10.3 8.4 12.6



#48

Methyl methacrylate

Concen: 19.243 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

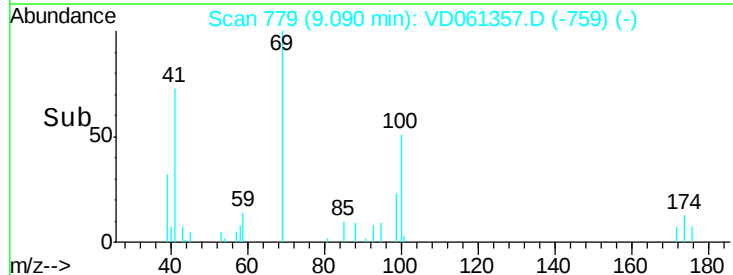
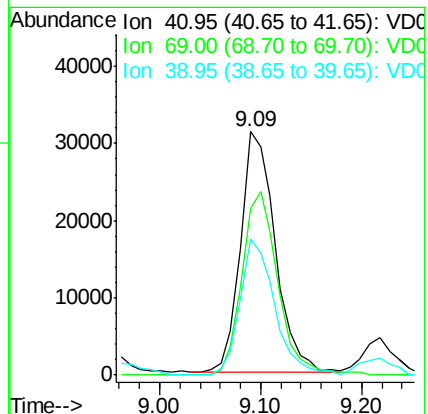
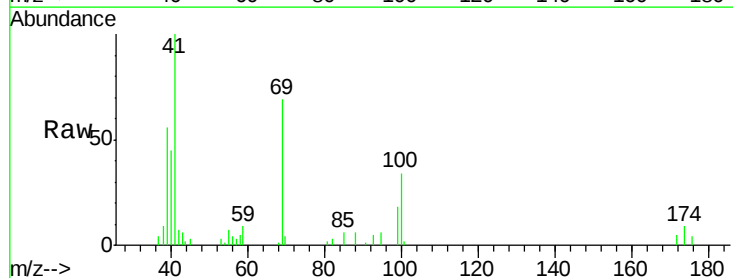
Tgt Ion: 41 Resp: 74614

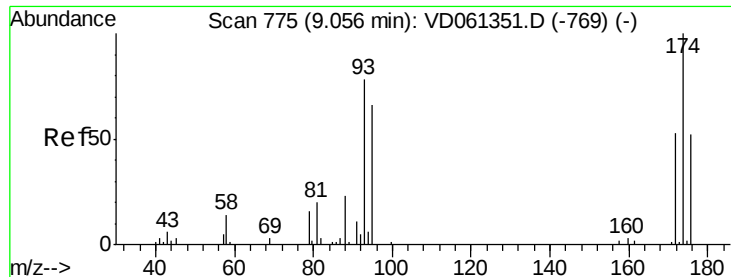
Ion Ratio Lower Upper

41 100

69 68.5 60.2 90.4

39 55.7 41.4 62.2

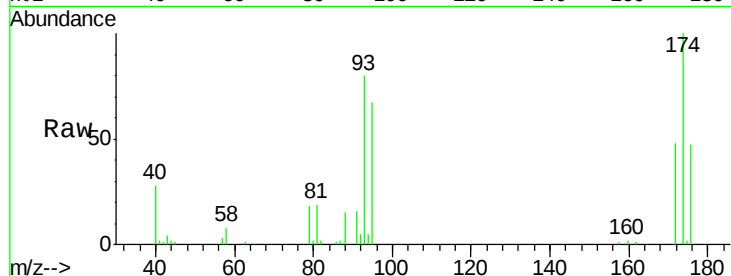




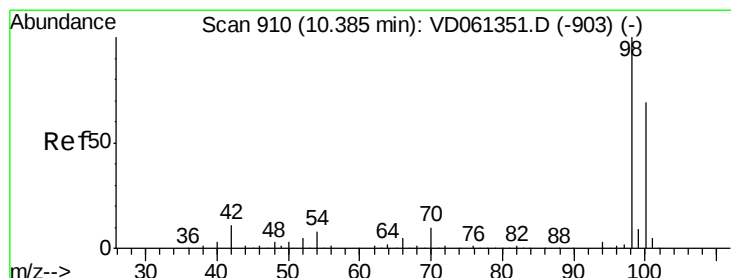
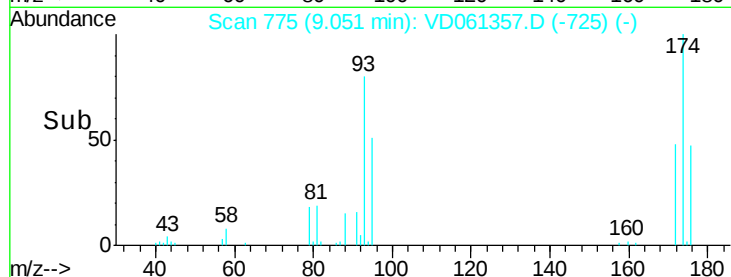
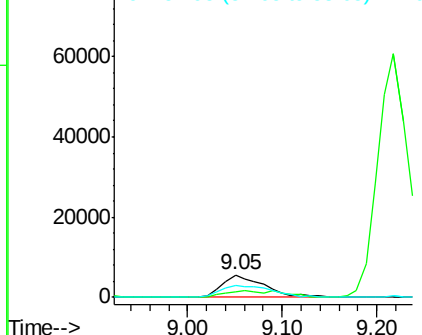
#49
1,4-Dioxane
Concen: 398.985 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 88 Resp: 17064
Ion Ratio Lower Upper
88 100
43 27.5 23.3 34.9
58 53.0 50.8 76.2

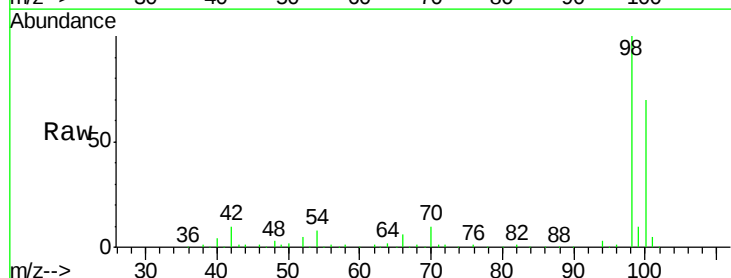


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

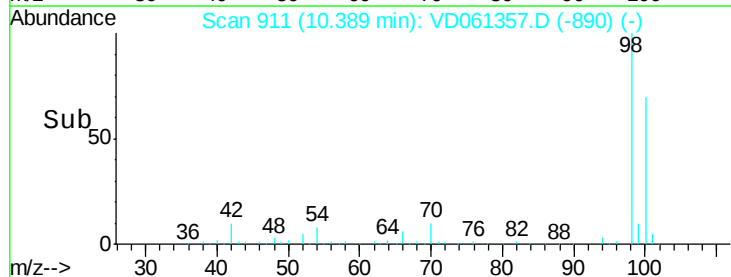
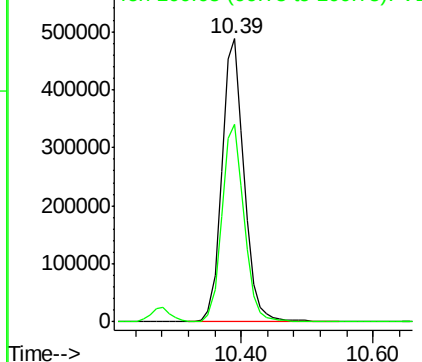


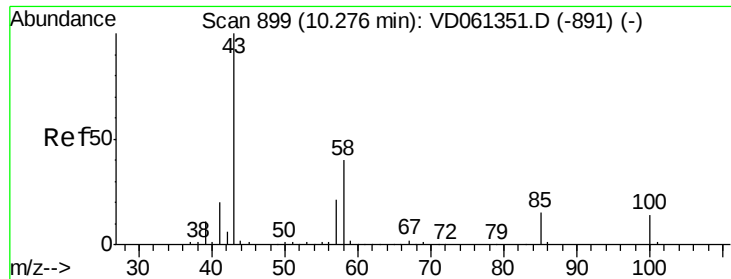
#50
Toluene-d8
Concen: 398.985 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 98 Resp: 1147273
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2



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: 97.818 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

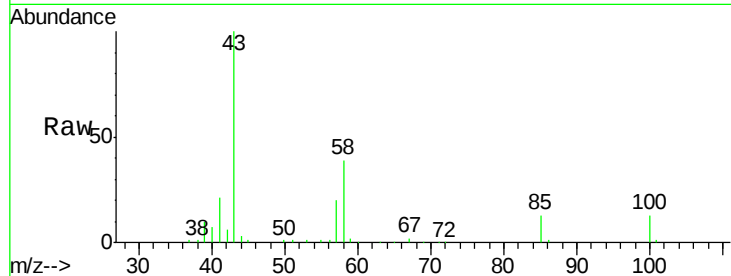
VD0327SBS01

Tot Ion: 43 Resp: 418123

Ion Ratio Lower Upper

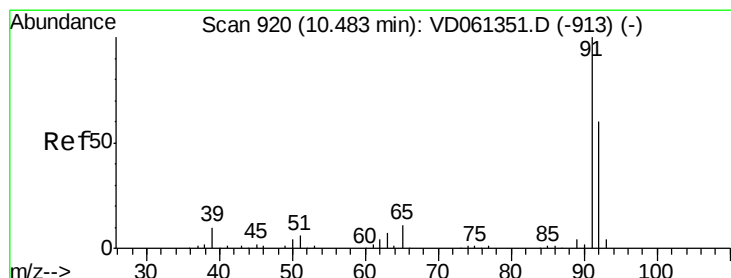
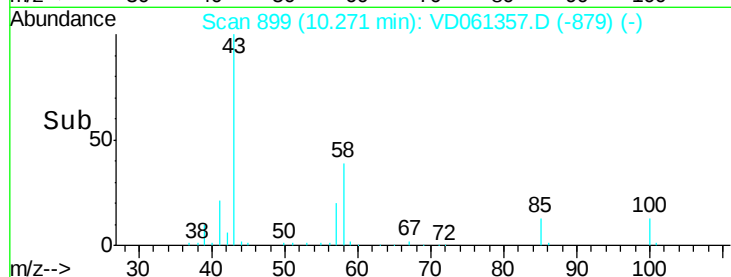
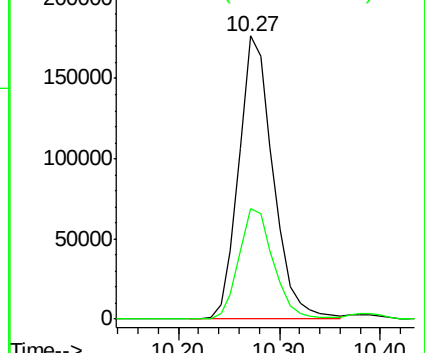
43 100

58 39.0 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.211 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061357.D

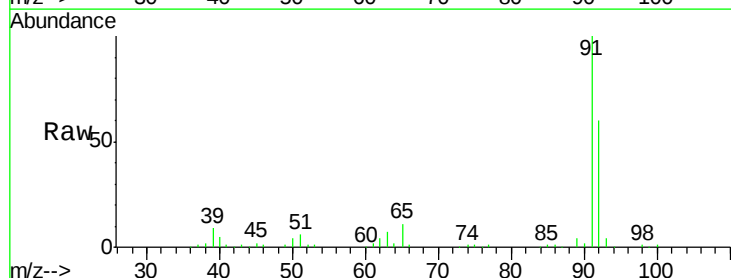
Acq: 27 Mar 2019 17:01

Tgt Ion: 92 Resp: 332118

Ion Ratio Lower Upper

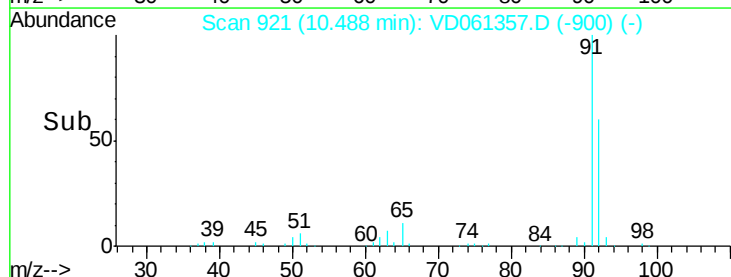
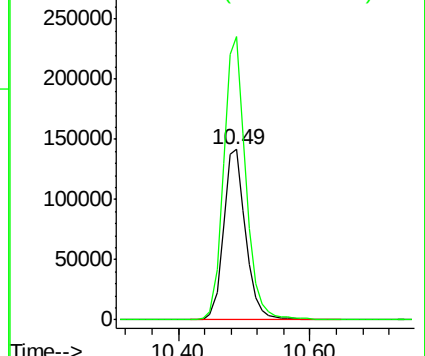
92 100

91 166.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

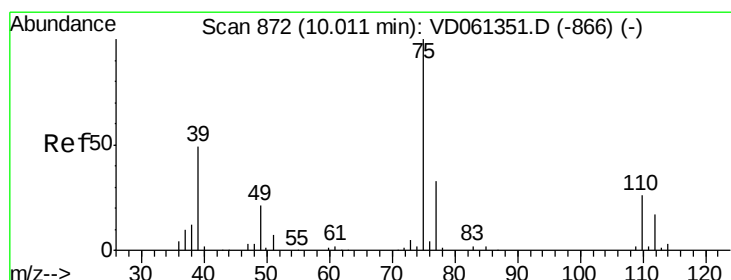
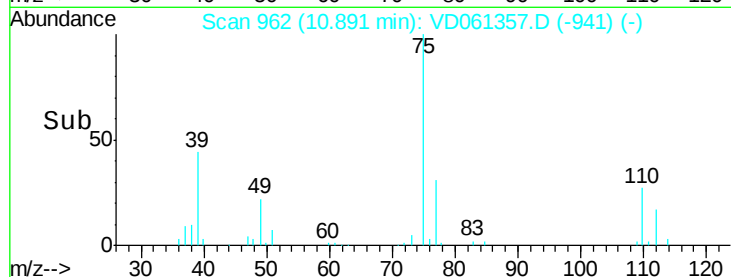
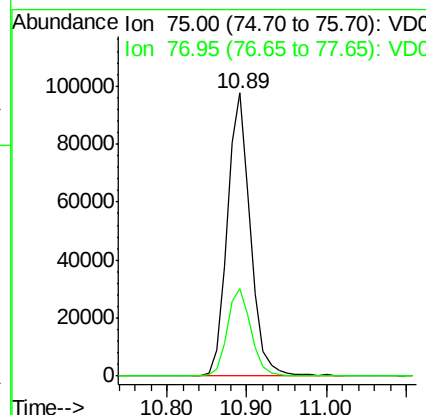
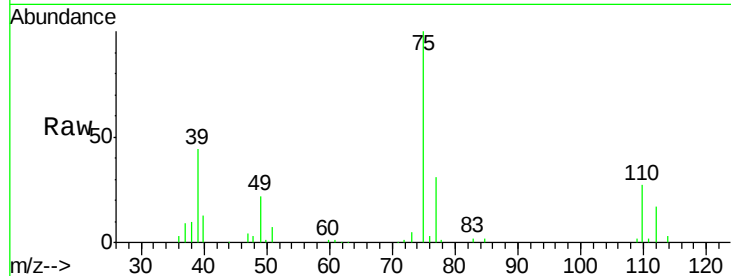




#53
 t-1,3-Dichloropropene
 Concen: 20.124 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

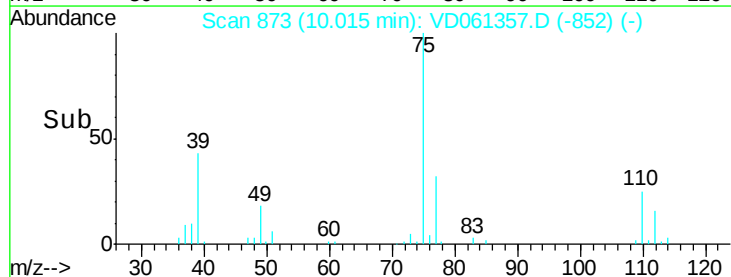
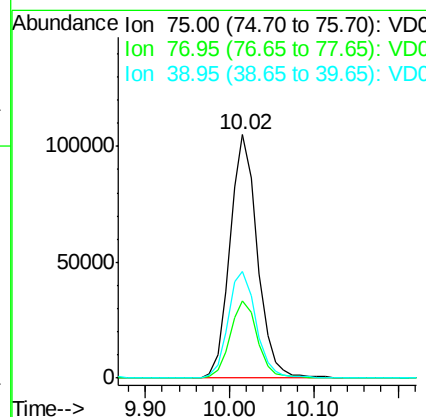
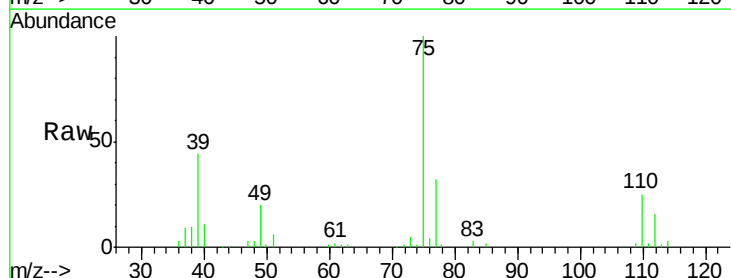
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

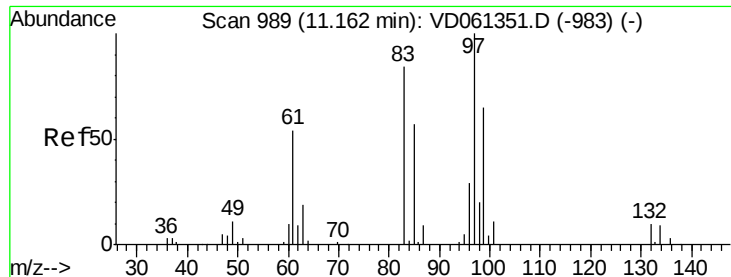
Tot Ion: 75 Resp: 198469
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.768 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion: 75 Resp: 237398
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.2 39.4
 39 43.8 39.4 59.0

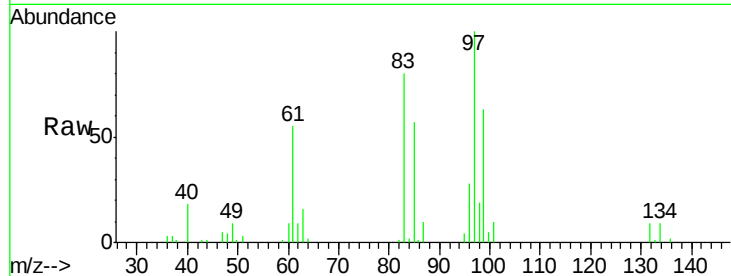




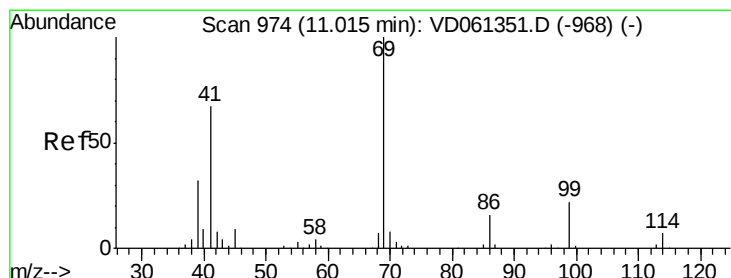
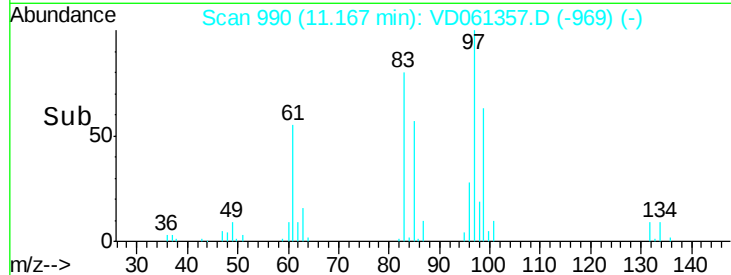
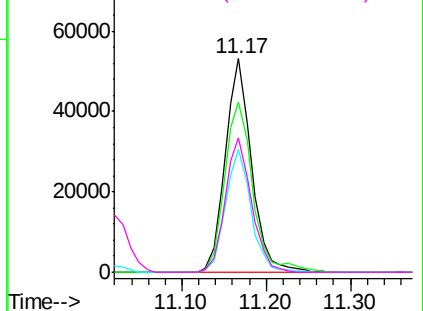
#55
 1,1,2-Trichloroethane
 Concen: 18.954 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion:	97	Resp:	114596
Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.0	100.6
85	57.5	45.4	68.2
99	62.9	51.9	77.9

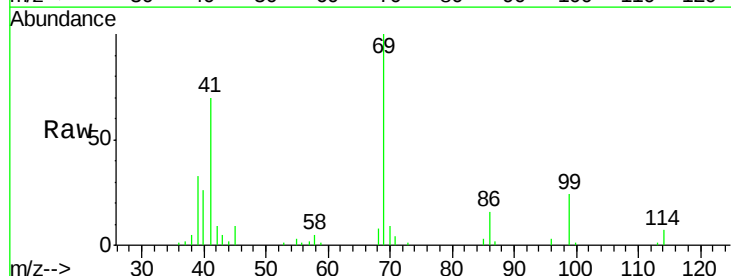


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

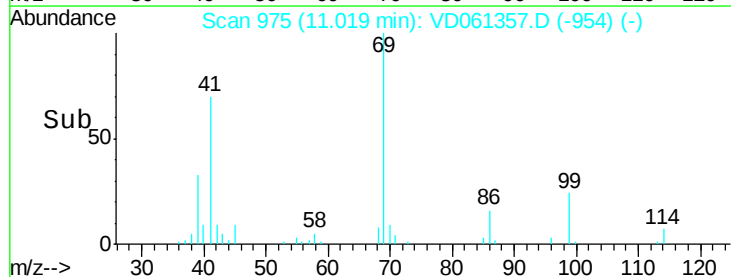
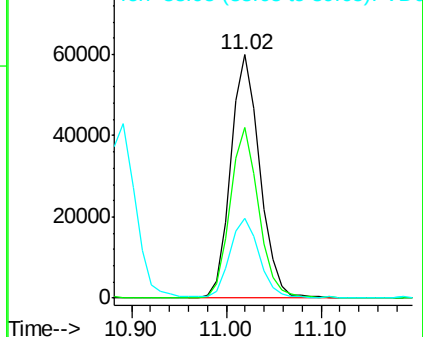


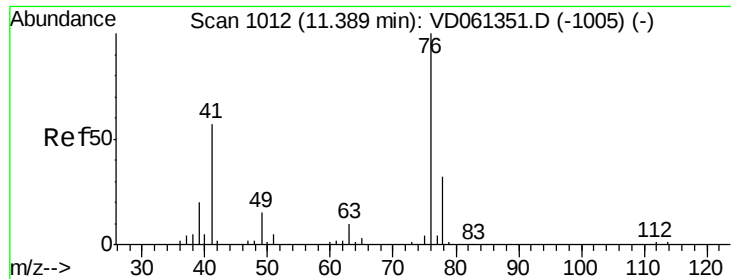
#56
 Ethyl methacrylate
 Concen: 19.663 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion:	69	Resp:	127707
Ion	Ratio	Lower	Upper
69	100		
41	70.0	53.8	80.6
39	32.9	26.4	39.6



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: 19.301 ug/l

RT: 11.38 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

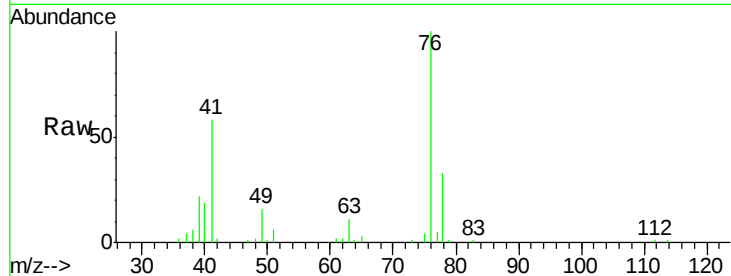
VD0327SBSD01

Tot Ion: 76 Resp: 171513

Ion Ratio Lower Upper

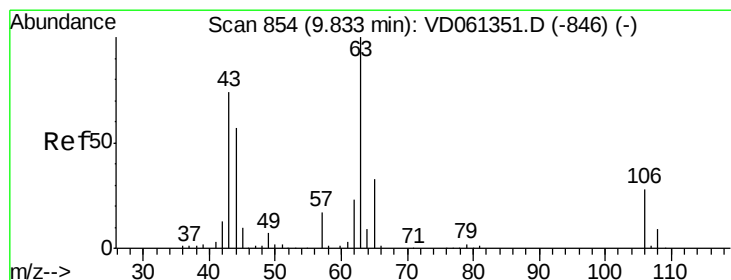
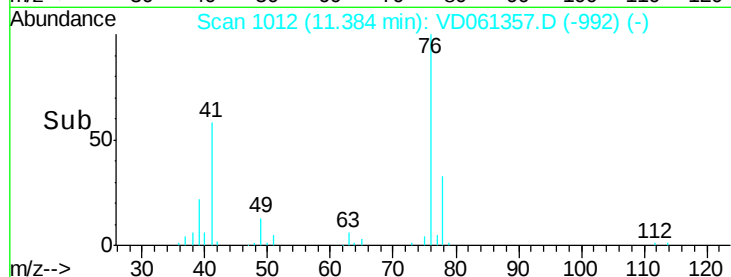
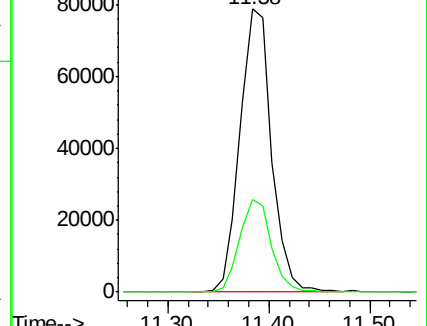
76 100

78 32.8 25.4 38.0



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: 95.367 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.01 min

Lab File: VD061357.D

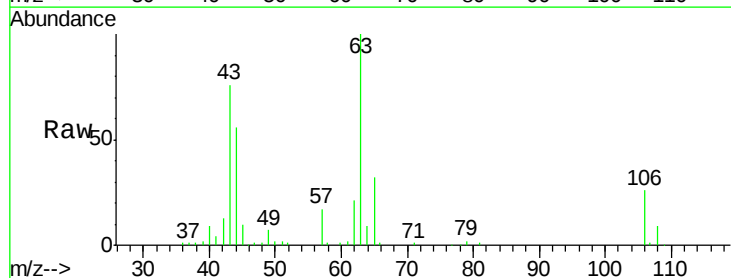
Acq: 27 Mar 2019 17:01

Tgt Ion: 63 Resp: 301645

Ion Ratio Lower Upper

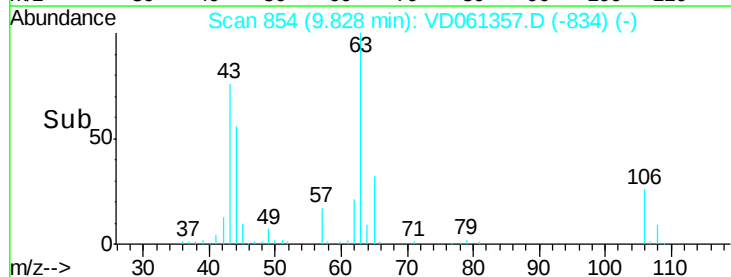
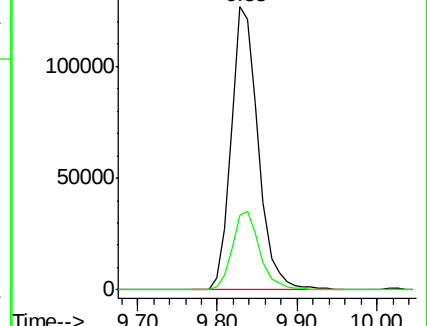
63 100

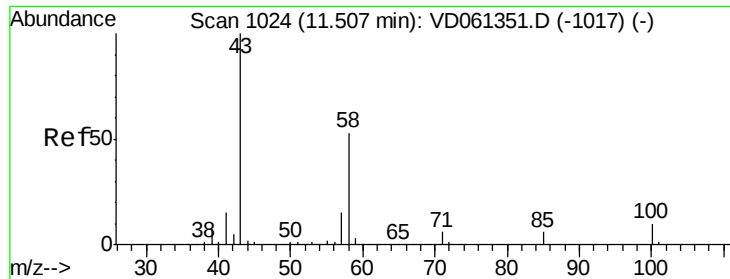
106 26.5 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

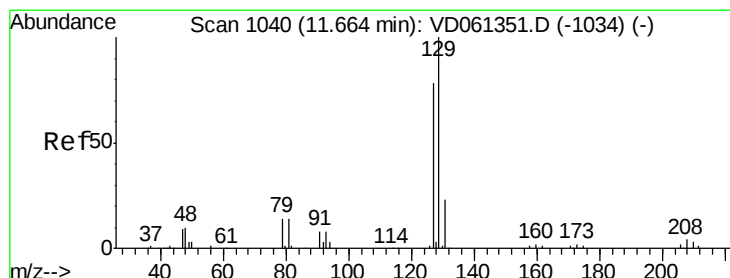
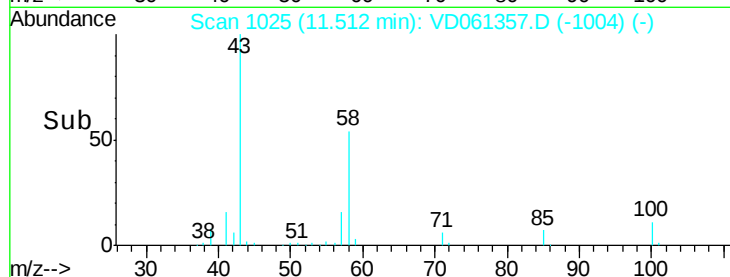
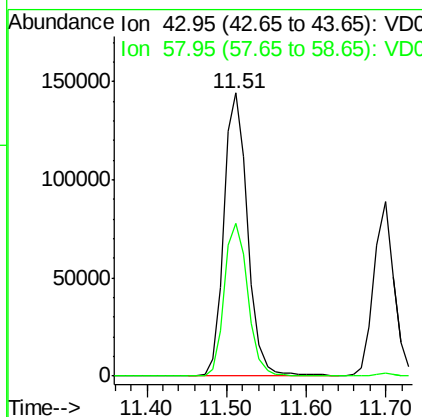
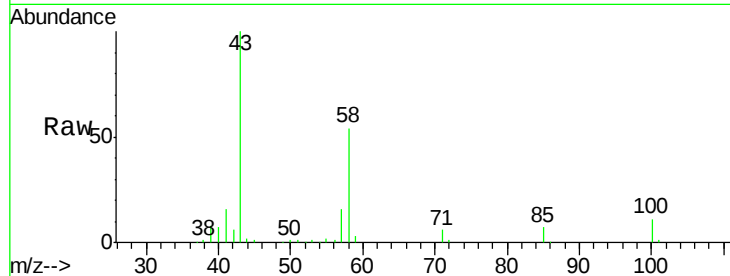




#59
2-Hexanone
Concen: 97.749 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

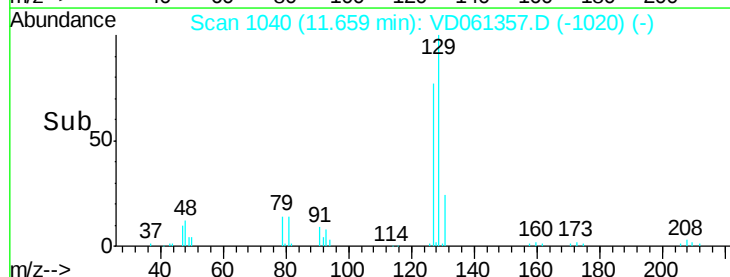
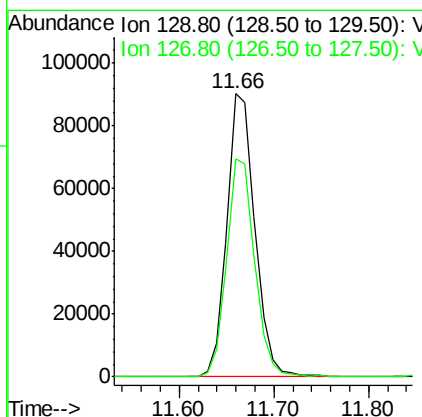
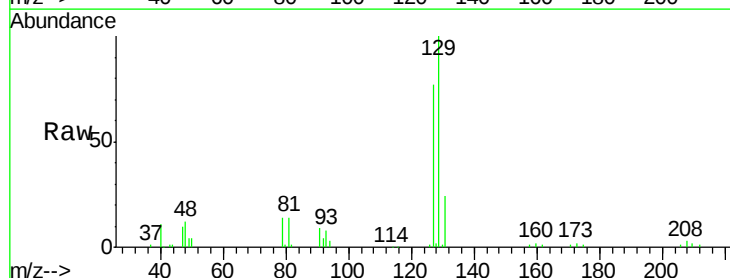
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion: 43 Resp: 302729
Ion Ratio Lower Upper
43 100
58 54.0 26.3 78.9



#60
Dibromochloromethane
Concen: 19.849 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 129 Resp: 185005
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9

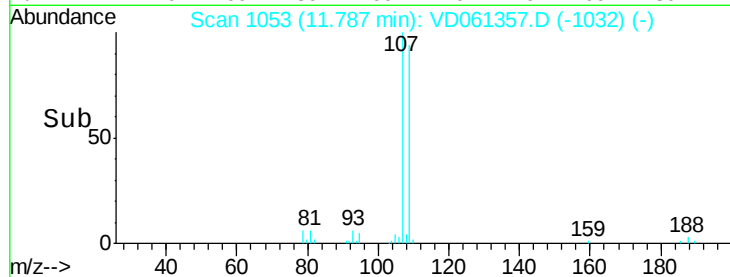
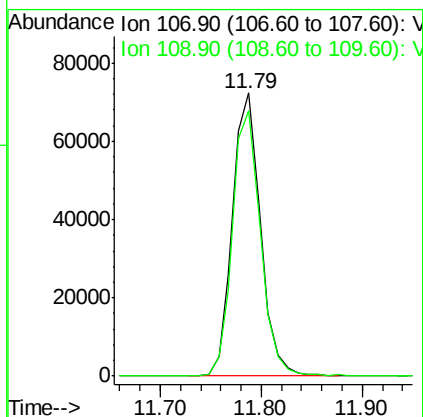
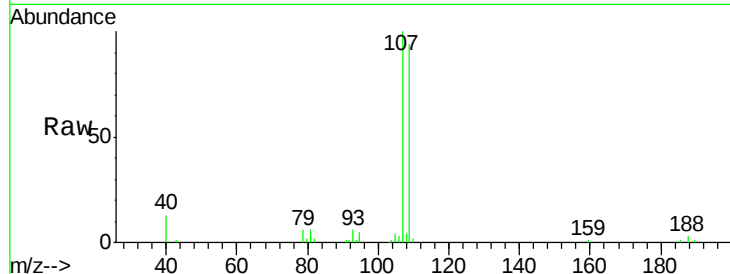




#61
 1,2-Dibromoethane
 Concen: 19.919 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

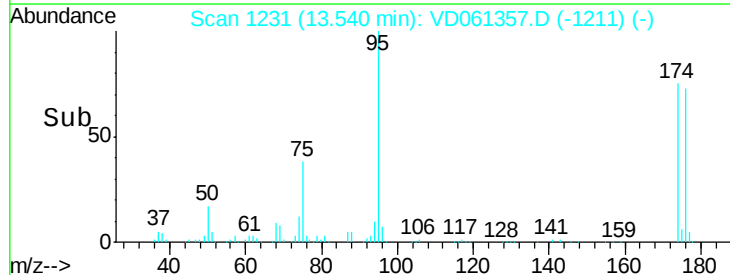
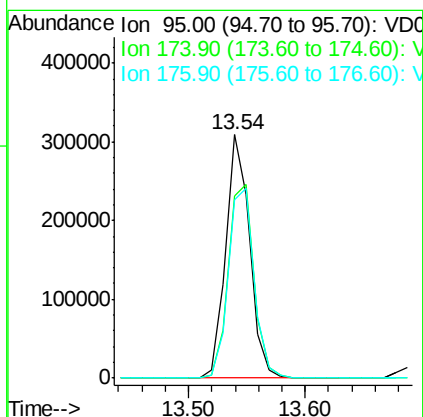
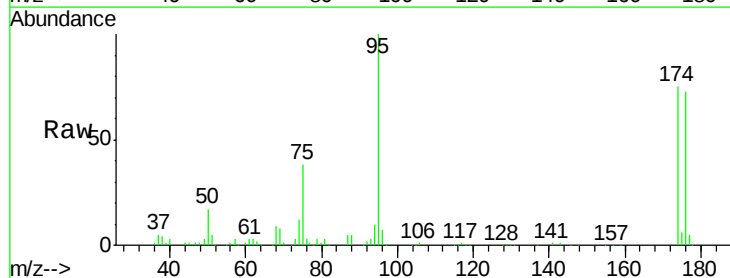
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

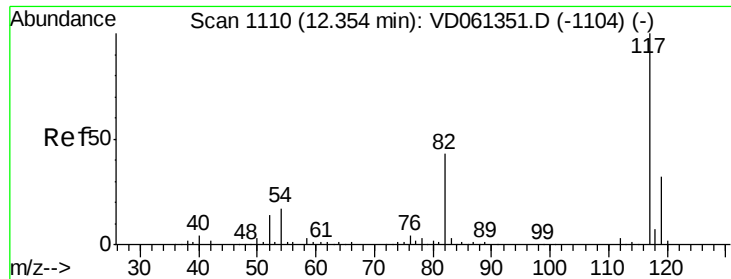
Tot Ion: 107 Resp: 139448
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 19.919 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion: 95 Resp: 439574
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 178.0
 176 73.3 0.0 175.0

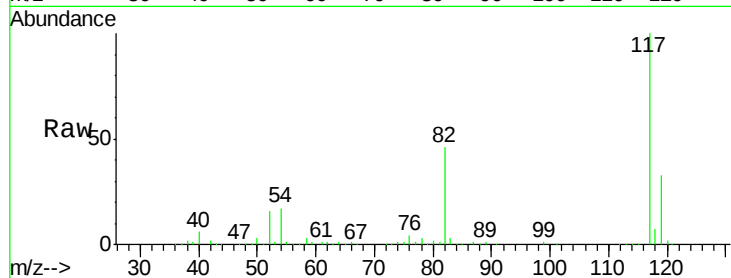




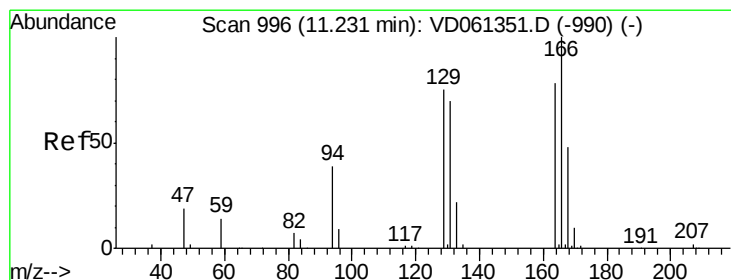
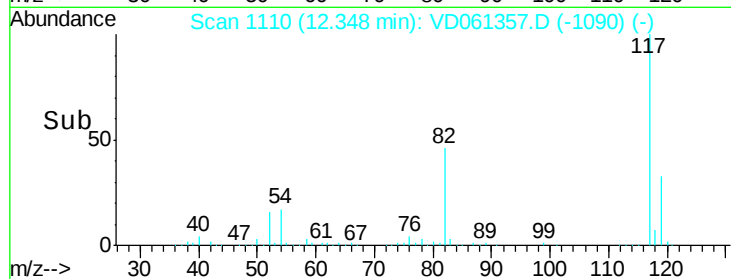
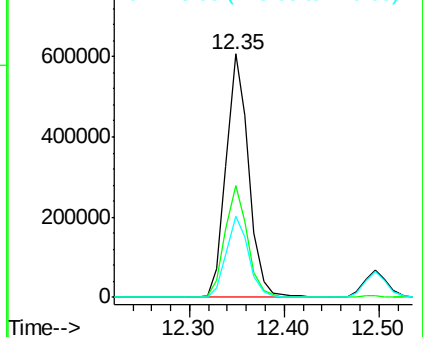
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion:117 Resp: 1000048
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 33.4 25.8 38.6

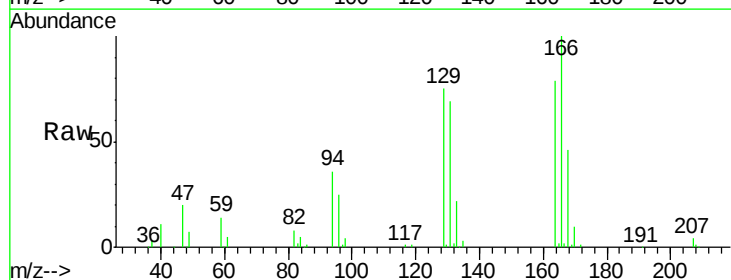


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

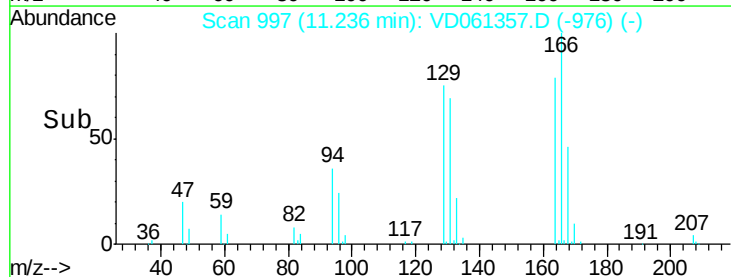
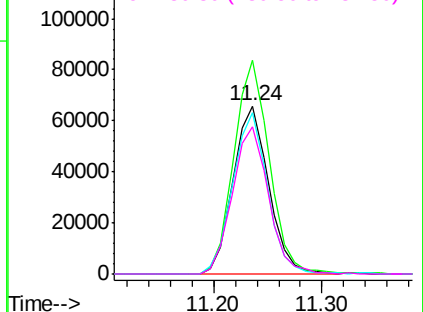


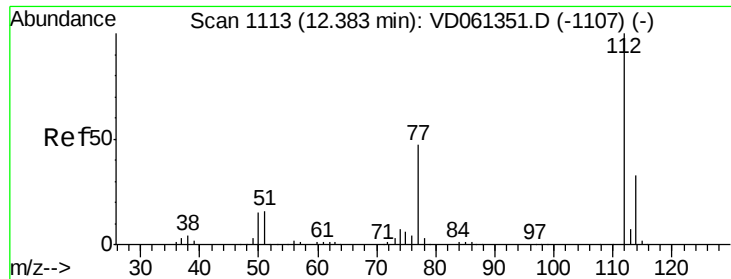
#64
Tetrachloroethene
Concen: 19.206 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion:164 Resp: 150740
Ion Ratio Lower Upper
164 100
166 127.2 102.4 153.6
129 95.8 76.8 115.2
131 87.6 71.8 107.6



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

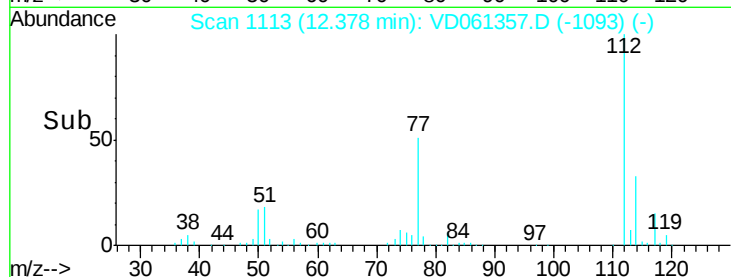
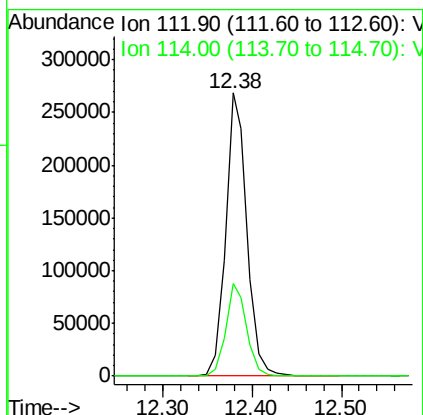
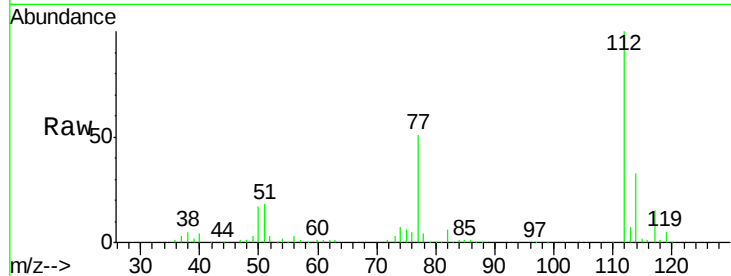




#65
Chlorobenzene
Concen: 21.959 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

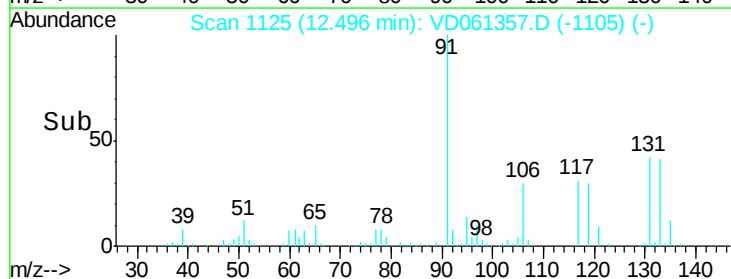
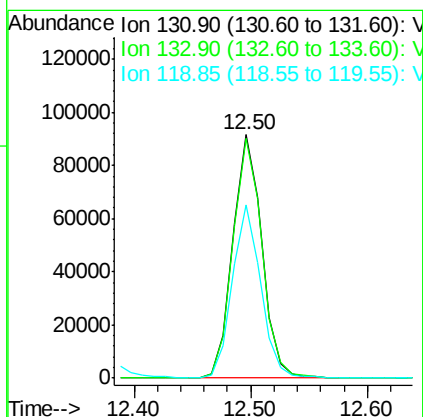
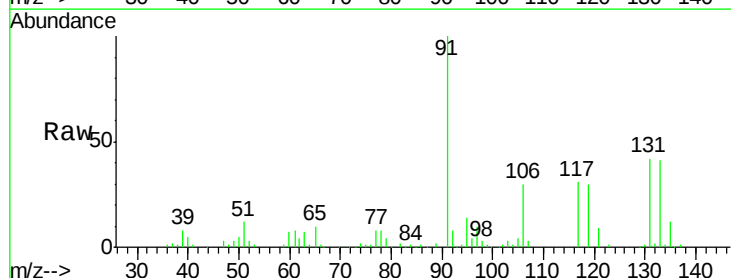
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion:112 Resp: 448784
Ion Ratio Lower Upper
112 100
114 32.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.903 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion:131 Resp: 157501
Ion Ratio Lower Upper
131 100
133 98.3 49.4 148.2
119 71.3 34.1 102.2

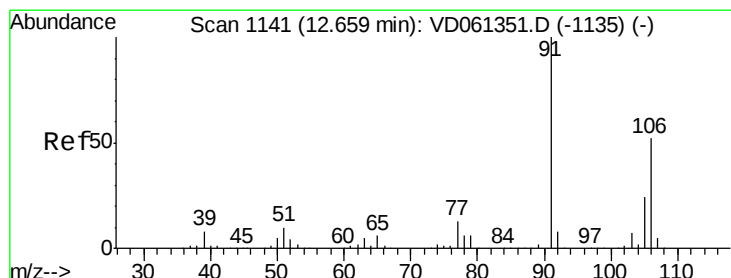
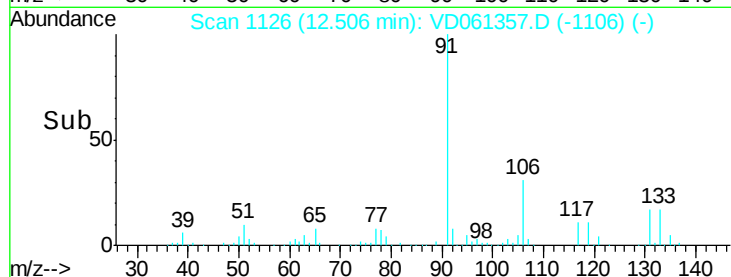
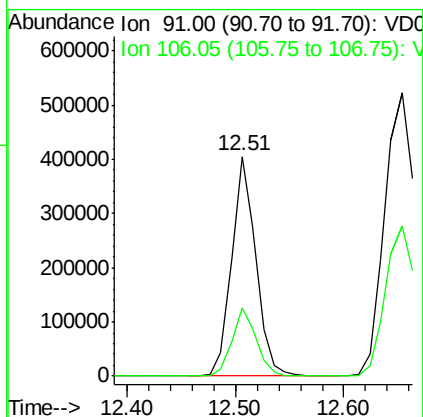
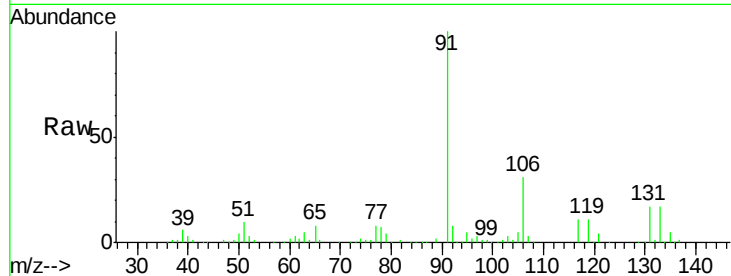




#67
Ethyl Benzene
Concen: 20.216 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

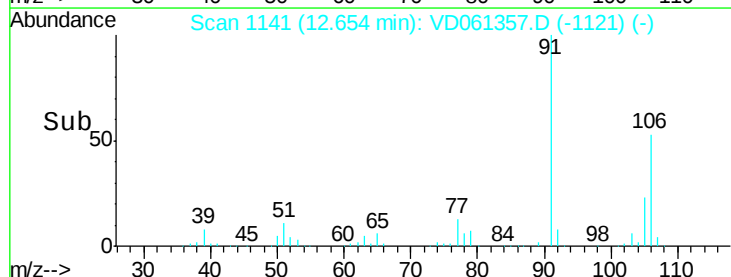
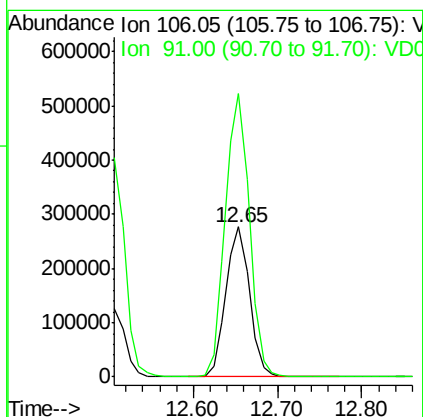
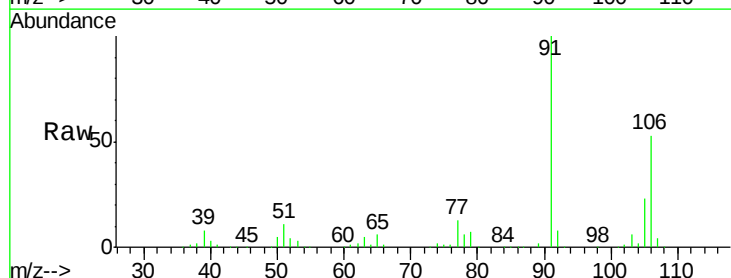
Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion: 91 Resp: 630643
Ion Ratio Lower Upper
91 100
106 31.4 26.1 39.1



#68
m/p-Xylenes
Concen: 45.717 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion: 106 Resp: 540234
Ion Ratio Lower Upper
106 100
91 188.7 153.1 229.7

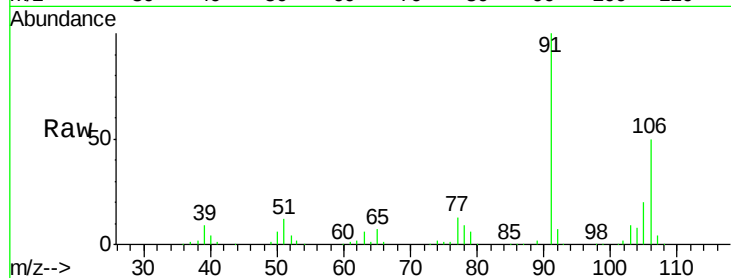




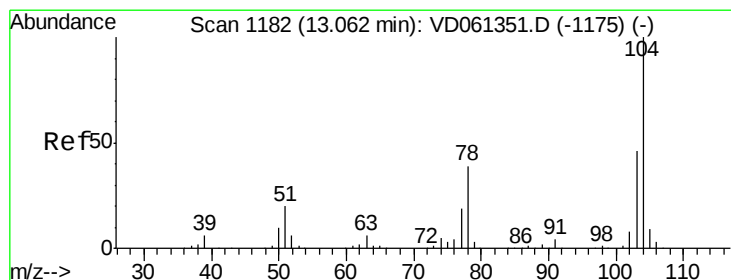
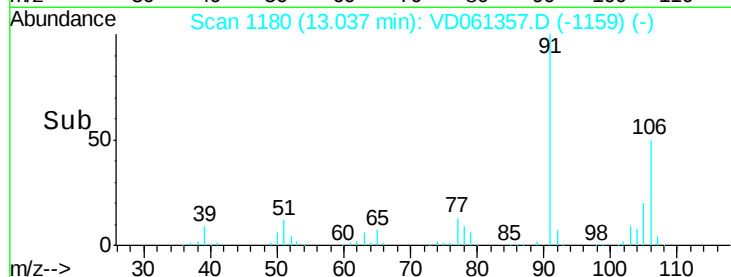
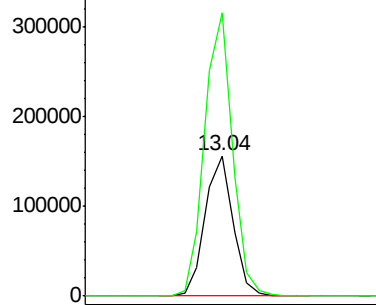
#69
o-Xylene
Concen: 20.765 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBS01

Tot Ion:106 Resp: 238118
Ion Ratio Lower Upper
106 100
91 201.8 103.8 311.3

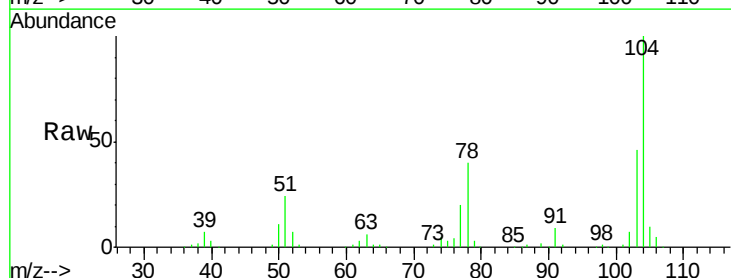


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

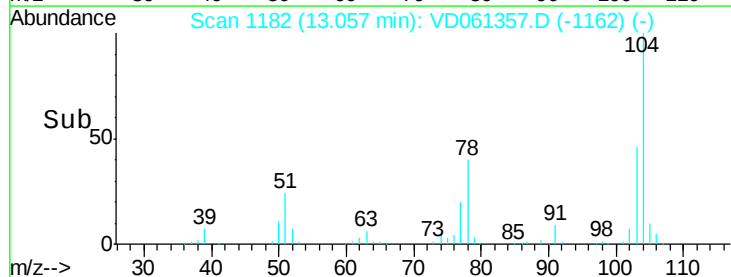
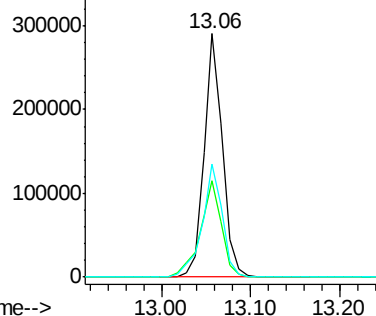


#70
Styrene
Concen: 21.147 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion:104 Resp: 422727
Ion Ratio Lower Upper
104 100
78 39.8 31.0 46.6
103 46.2 37.0 55.4



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

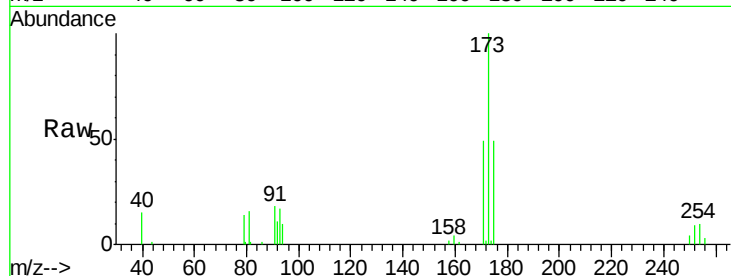




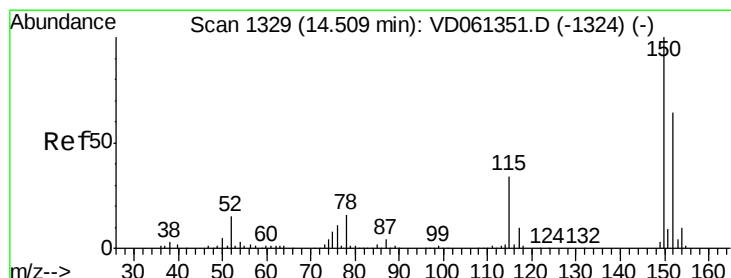
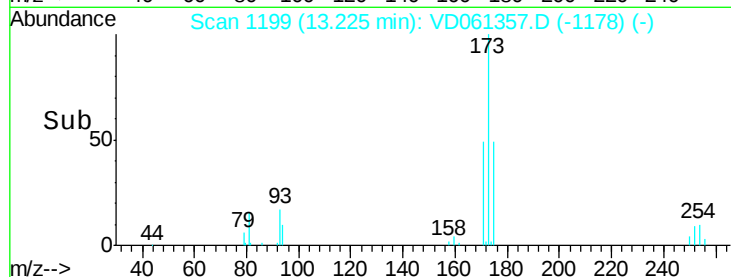
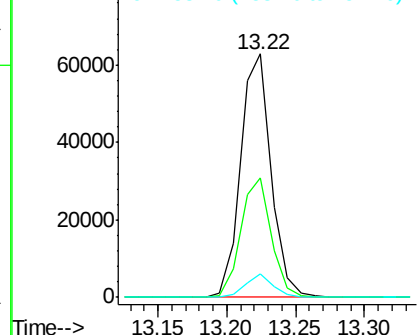
#71
Bromoform
Concen: 19.292 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion:173 Resp: 96775
Ion Ratio Lower Upper
173 100
175 48.9 24.6 73.8
254 9.8 6.6 10.0

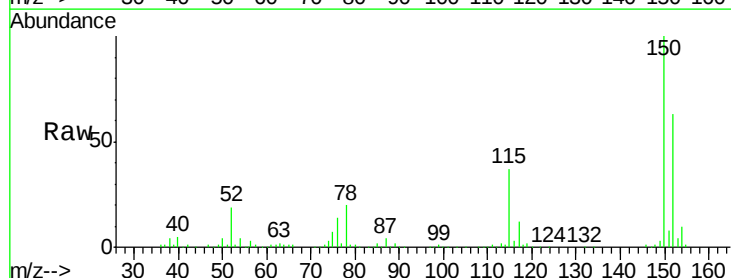


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

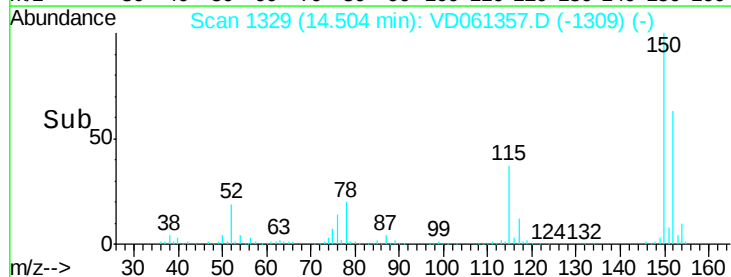
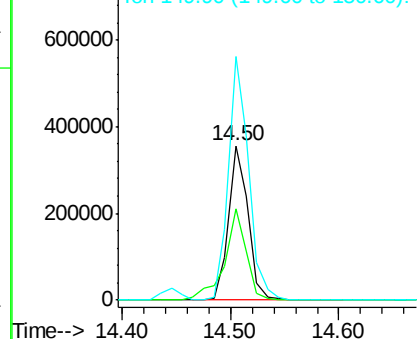


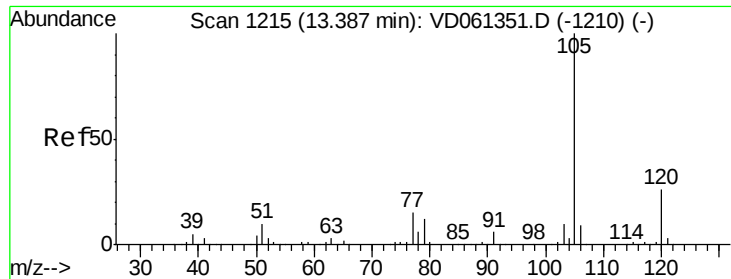
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion:152 Resp: 443363
Ion Ratio Lower Upper
152 100
115 59.2 26.9 80.6
150 158.0 0.0 318.0



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: 21.362 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

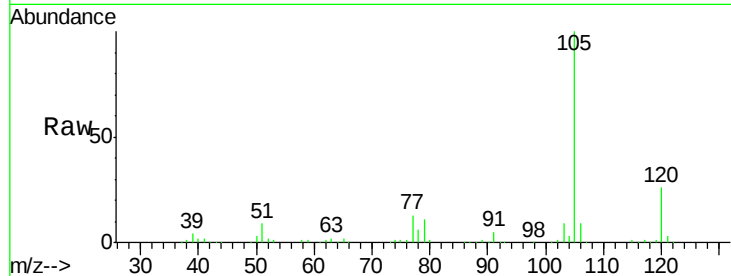
VD0327SBS01

Tot Ion:105 Resp: 659185

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

500000

400000

300000

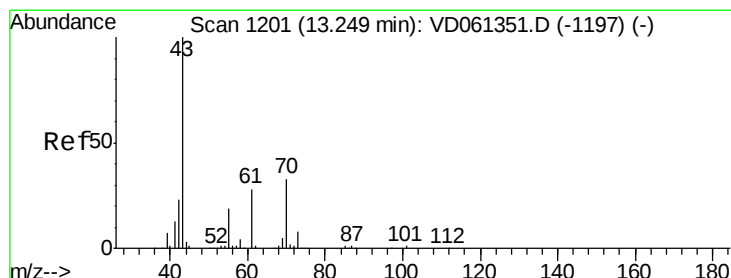
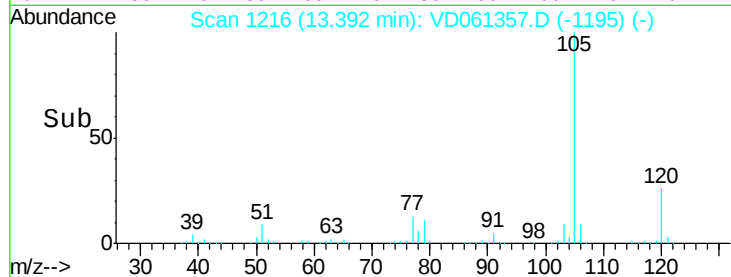
200000

100000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 21.961 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Tgt Ion: 43 Resp: 188778

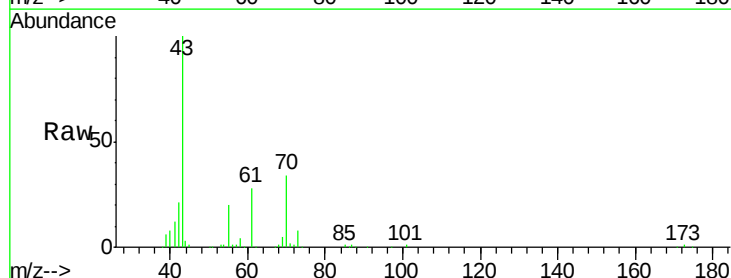
Ion Ratio Lower Upper

43 100

70 34.4 26.6 40.0

55 20.3 15.4 23.2

61 28.3 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.25

200000

150000

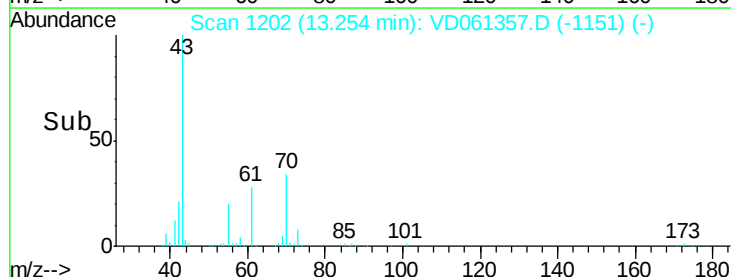
100000

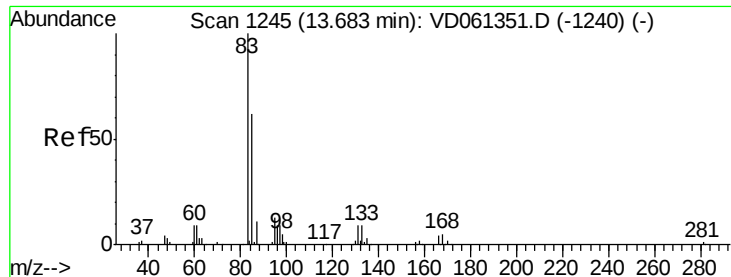
50000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.800 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

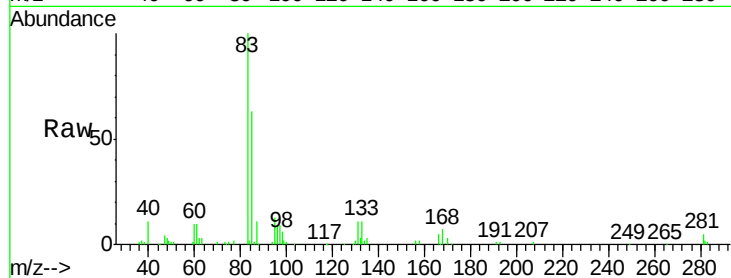
Tot Ion: 83 Resp: 141905

Ion Ratio Lower Upper

83 100

131 10.7 4.3 13.1

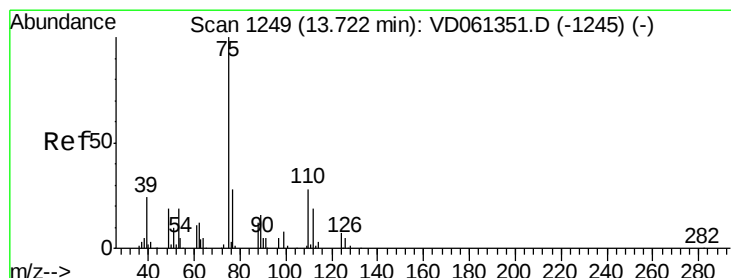
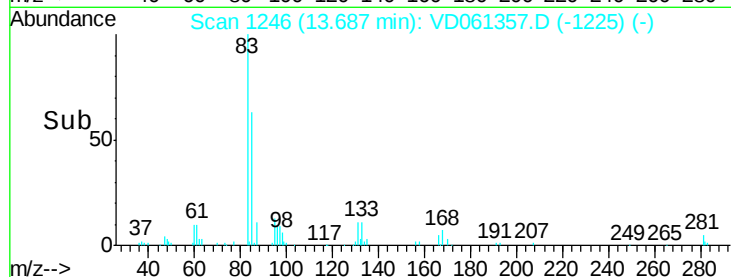
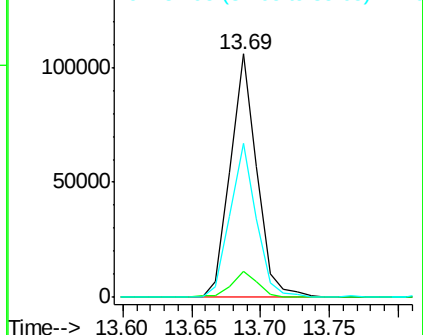
85 63.1 31.2 93.6



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: 20.800 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061357.D

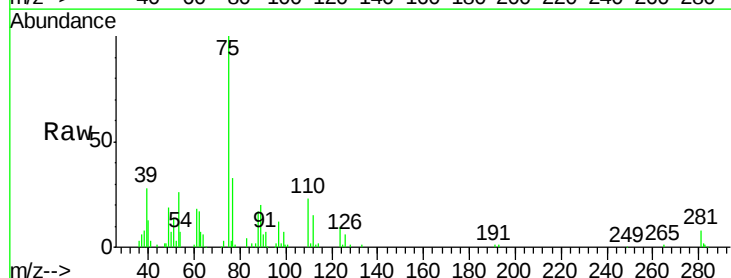
Acq: 27 Mar 2019 17:01

Tgt Ion: 75 Resp: 133215

Ion Ratio Lower Upper

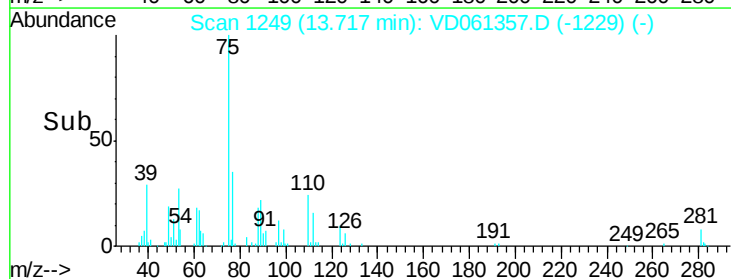
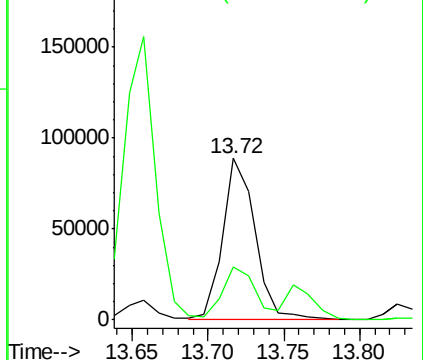
75 100

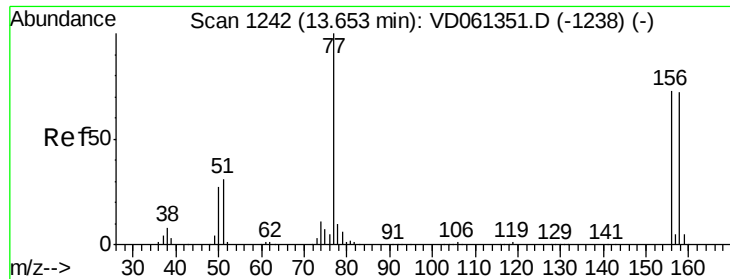
77 32.9 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.319 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBSD01

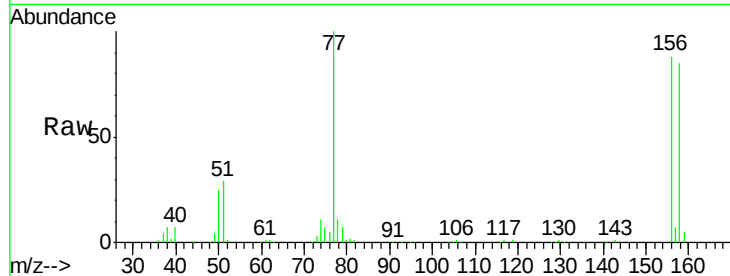
Tot Ion:156 Resp: 185875

Ion Ratio Lower Upper

156 100

77 113.9 68.5 205.6

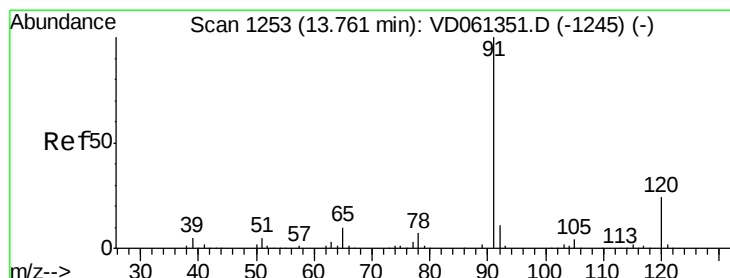
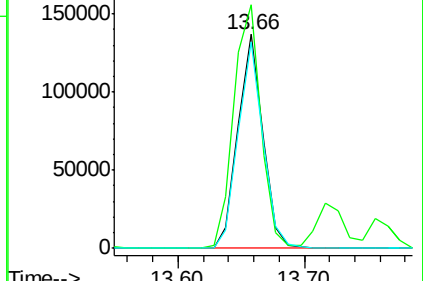
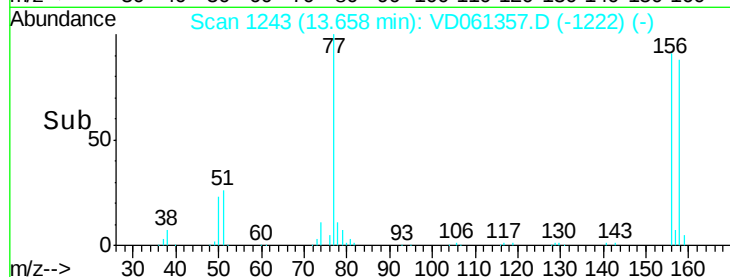
158 96.6 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.415 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061357.D

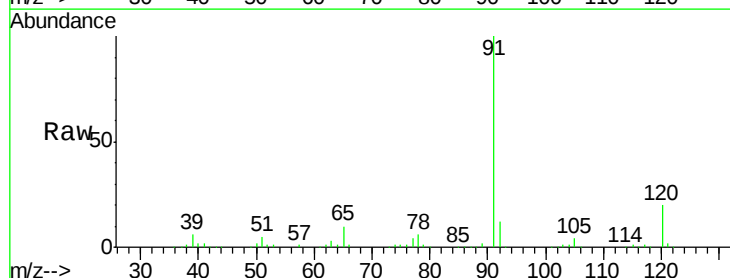
Acq: 27 Mar 2019 17:01

Tgt Ion: 91 Resp: 733165

Ion Ratio Lower Upper

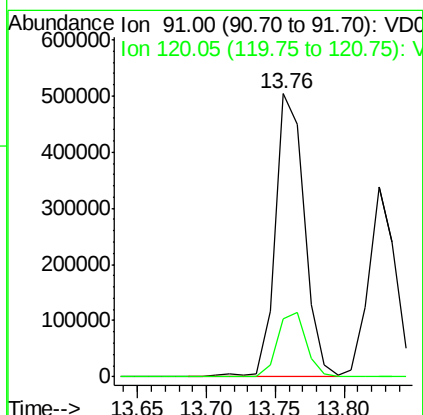
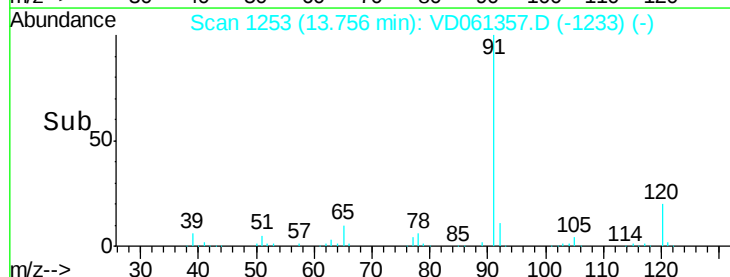
91 100

120 20.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.212 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

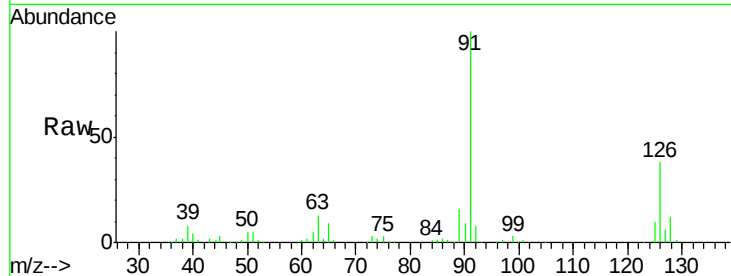
VD0327SBS01

Tot Ion: 91 Resp: 455446

Ion Ratio Lower Upper

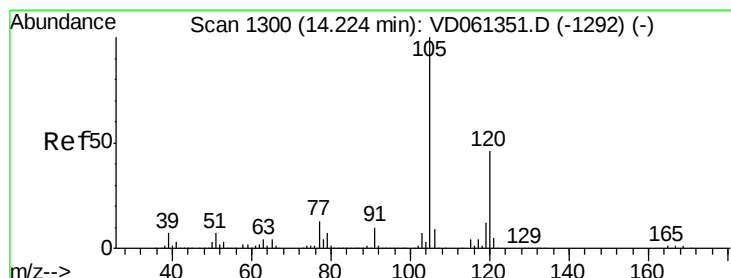
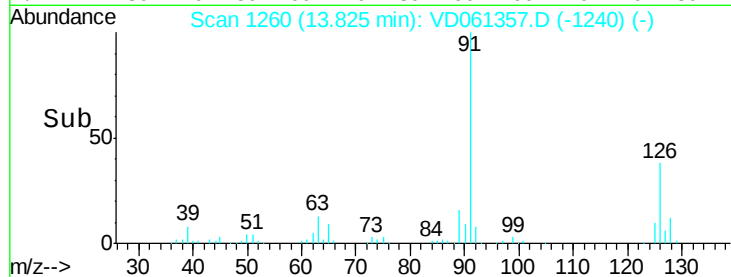
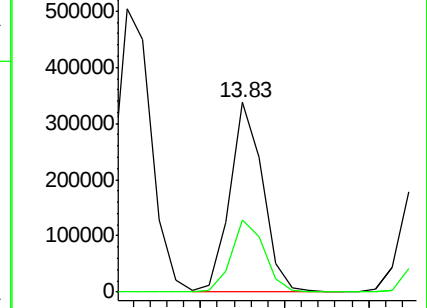
91 100

126 37.8 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.646 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061357.D

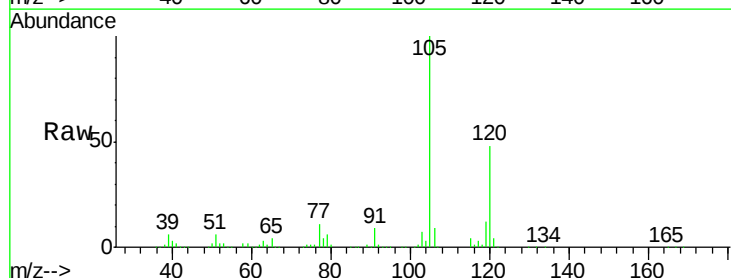
Acq: 27 Mar 2019 17:01

Tgt Ion: 105 Resp: 509219

Ion Ratio Lower Upper

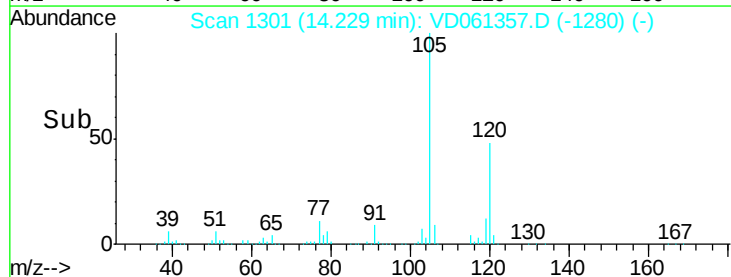
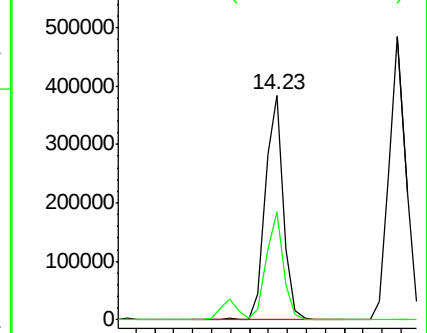
105 100

120 48.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.697 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

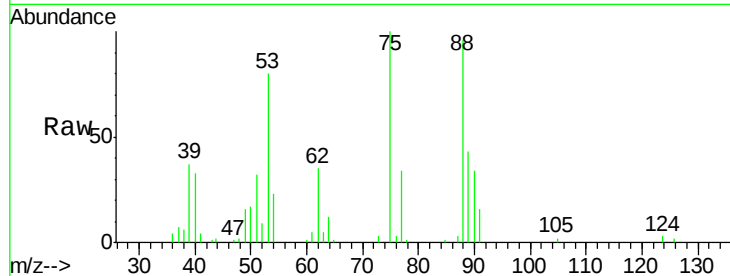
Tot Ion: 75 Resp: 40416

Ion Ratio Lower Upper

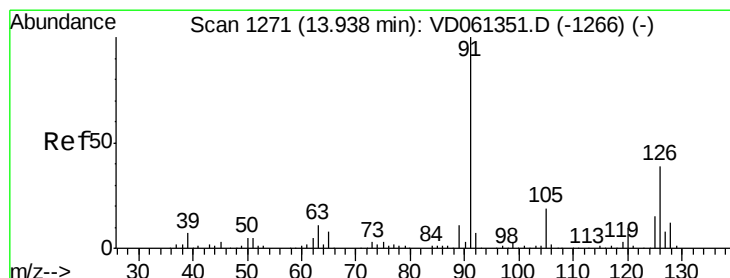
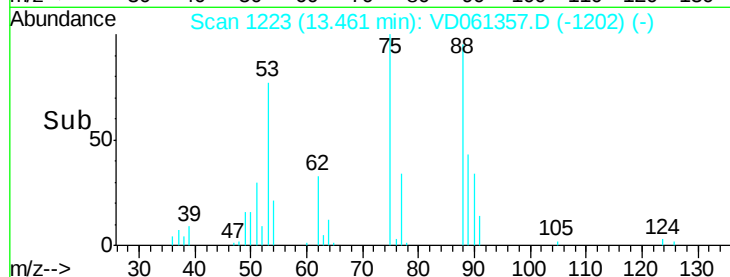
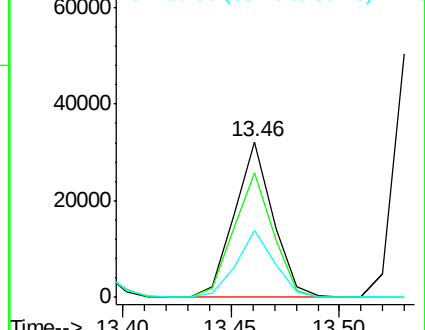
75 100

53 80.4 63.8 95.8

89 43.2 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.754 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061357.D

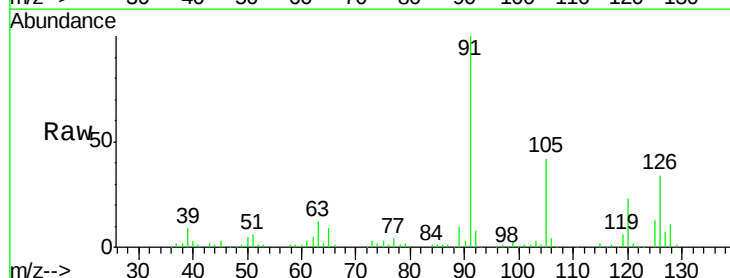
Acq: 27 Mar 2019 17:01

Tgt Ion: 91 Resp: 507301

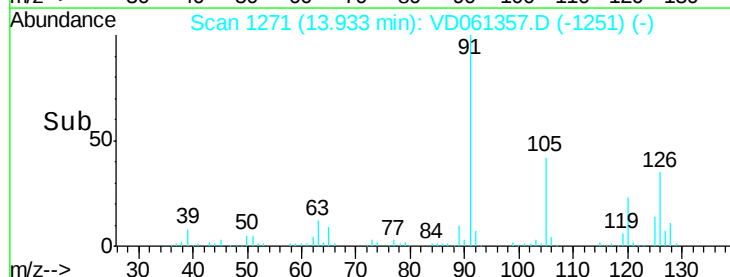
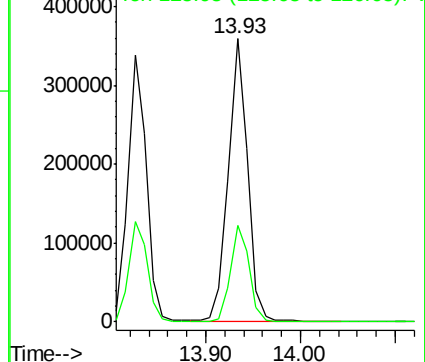
Ion Ratio Lower Upper

91 100

126 34.2 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 20.659 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

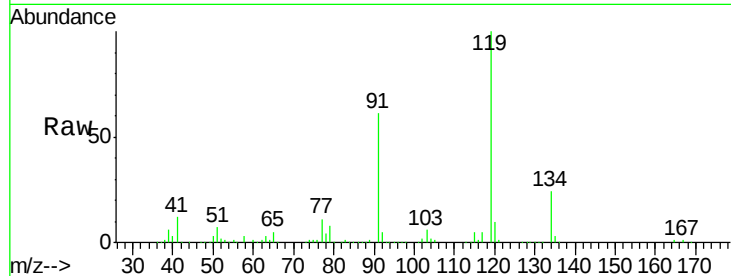
Tot Ion:119 Resp: 618146

Ion Ratio Lower Upper

119 100

91 60.6 34.1 102.3

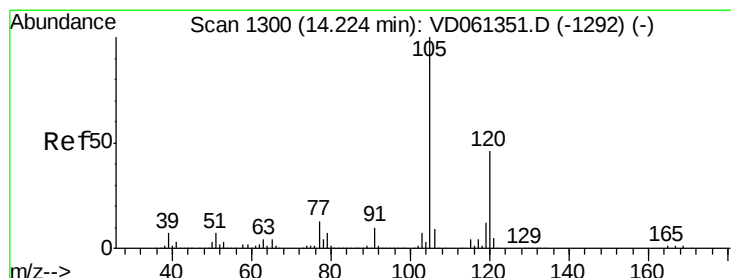
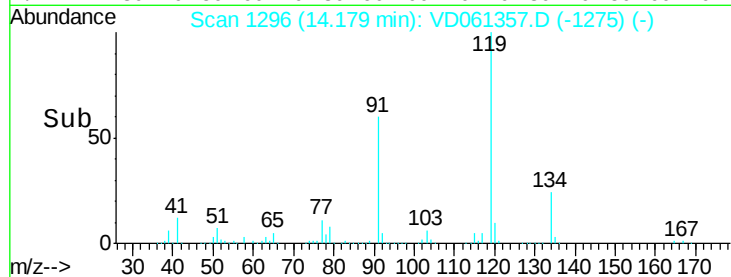
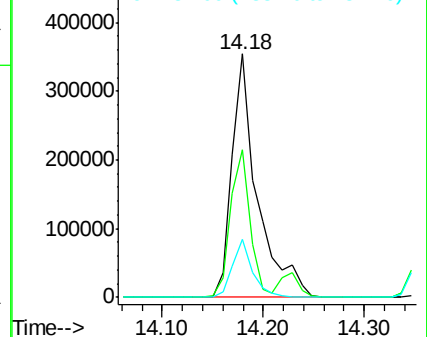
134 24.0 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.646 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061357.D

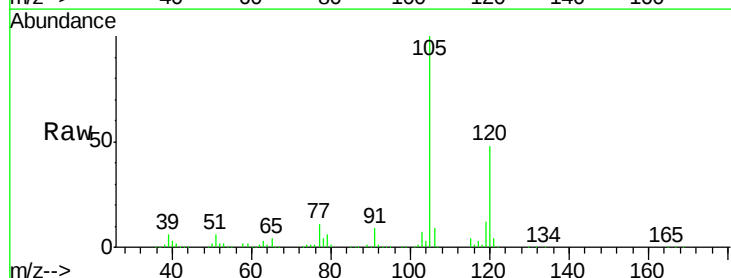
Acq: 27 Mar 2019 17:01

Tgt Ion:105 Resp: 509219

Ion Ratio Lower Upper

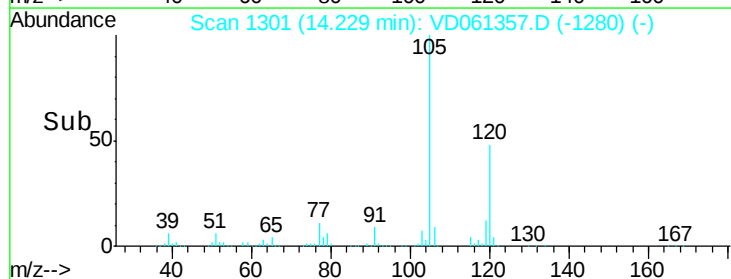
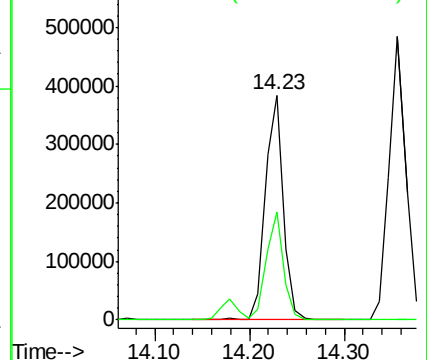
105 100

120 48.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 18.885 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleID :

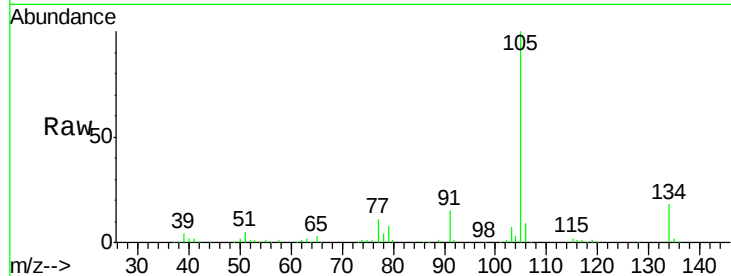
VD0327SBS01

Tot Ion:105 Resp: 600289

Ion Ratio Lower Upper

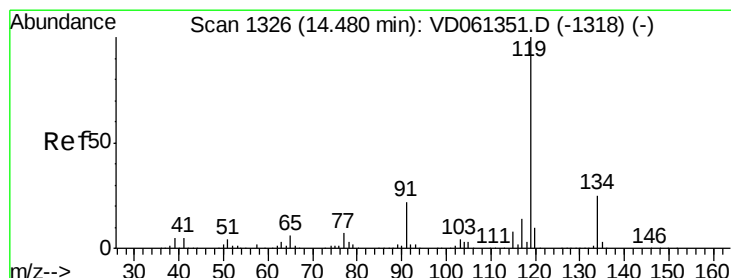
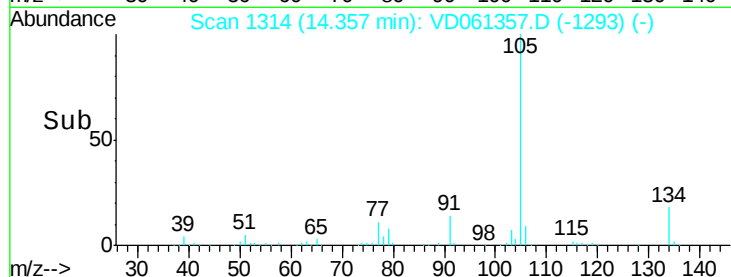
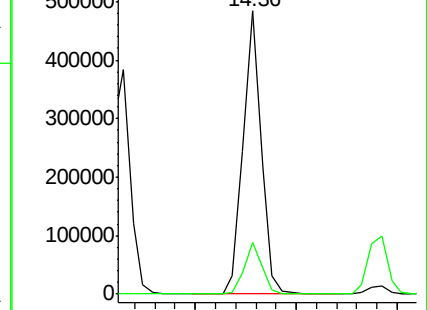
105 100

134 18.1 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.223 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

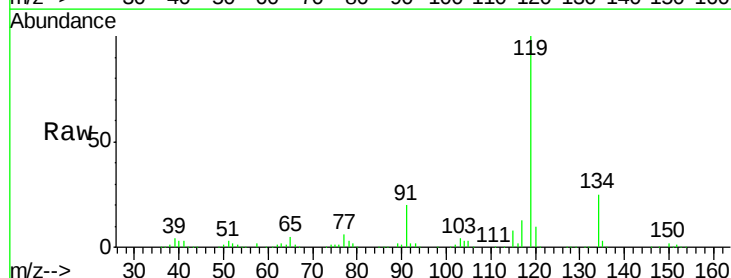
Tgt Ion:119 Resp: 570438

Ion Ratio Lower Upper

119 100

134 25.0 12.3 36.8

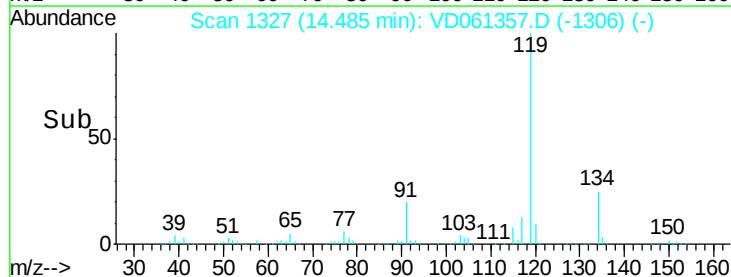
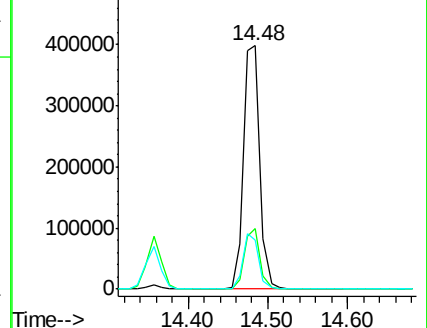
91 19.9 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

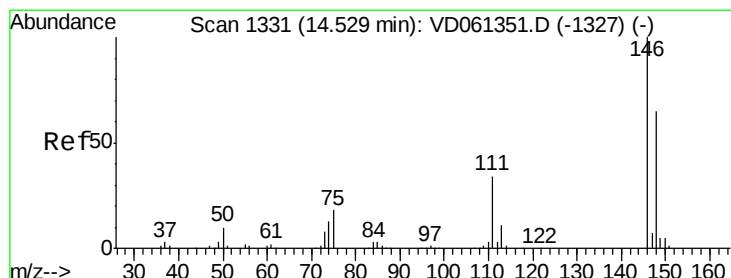
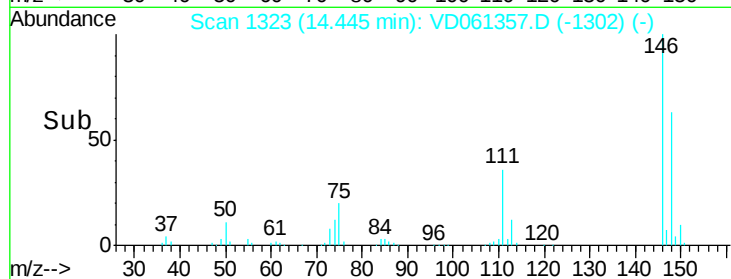
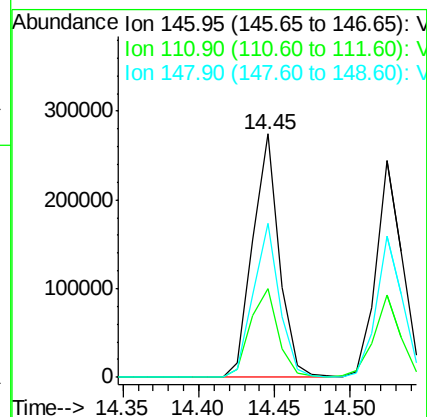
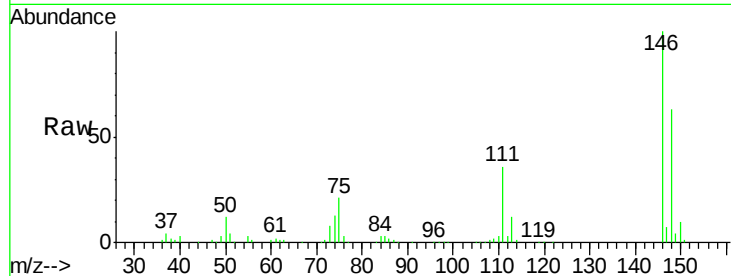




#87
 1,3-Dichlorobenzene
 Concen: 21.609 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

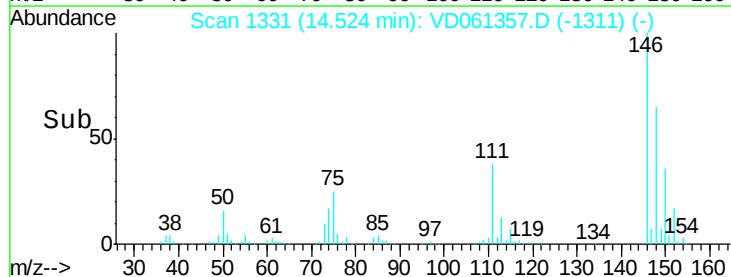
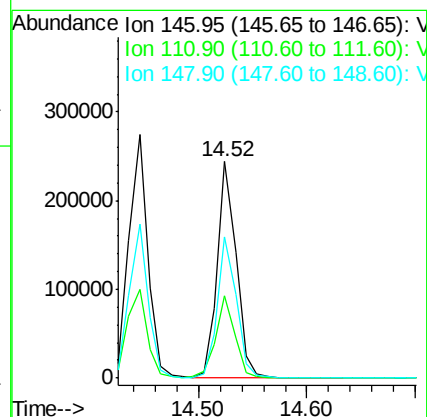
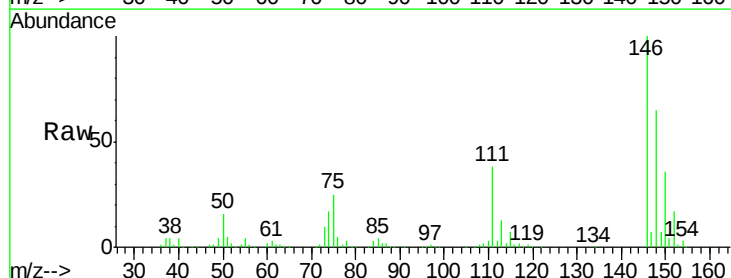
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion:146 Resp: 334744
 Ion Ratio Lower Upper
 146 100
 111 36.5 20.6 61.9
 148 63.3 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 19.807 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion:146 Resp: 299228
 Ion Ratio Lower Upper
 146 100
 111 38.0 16.8 50.4
 148 64.9 32.6 98.0





#89

n-Butylbenzene

Concen: 22.556 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061357.D

Acq: 27 Mar 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

VD0327SBS01

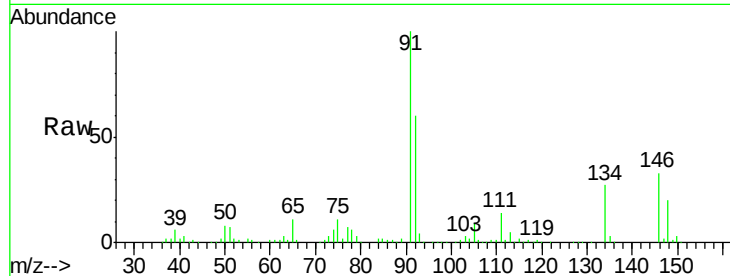
Tot Ion: 91 Resp: 556465

Ion Ratio Lower Upper

91 100

92 60.4 30.3 91.0

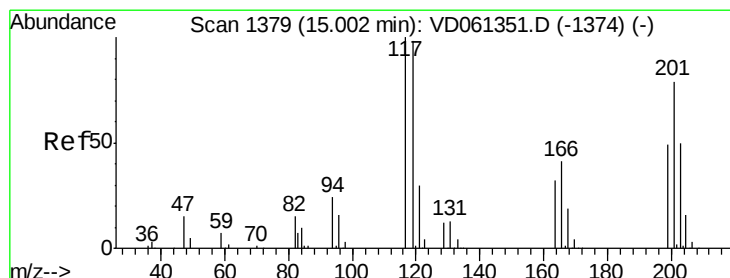
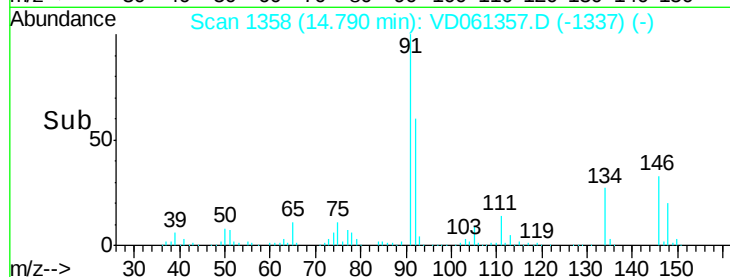
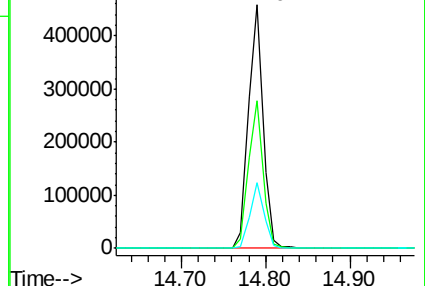
134 27.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.936 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061357.D

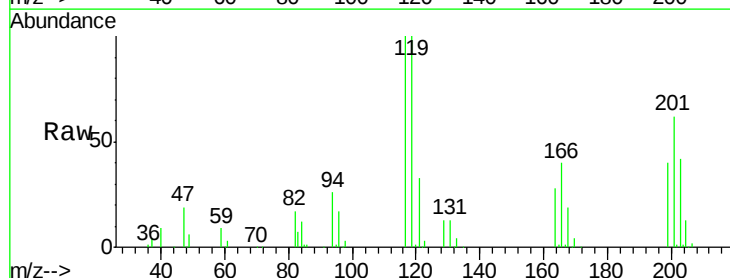
Acq: 27 Mar 2019 17:01

Tgt Ion: 117 Resp: 158979

Ion Ratio Lower Upper

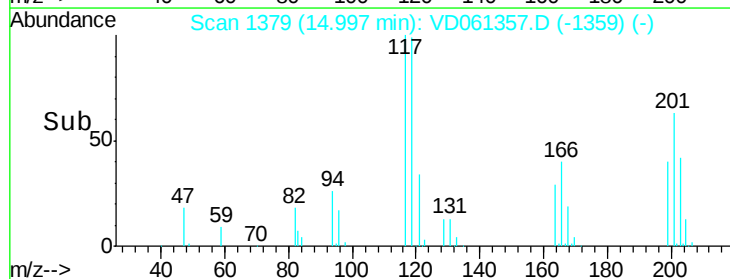
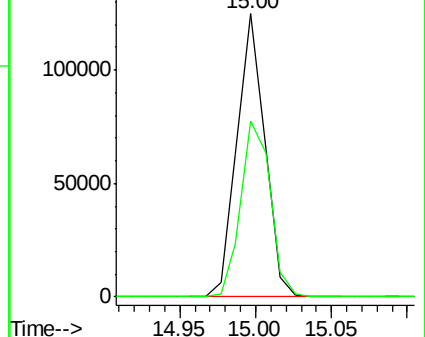
117 100

201 62.1 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

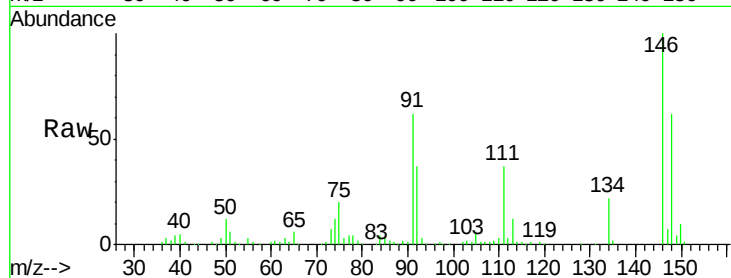




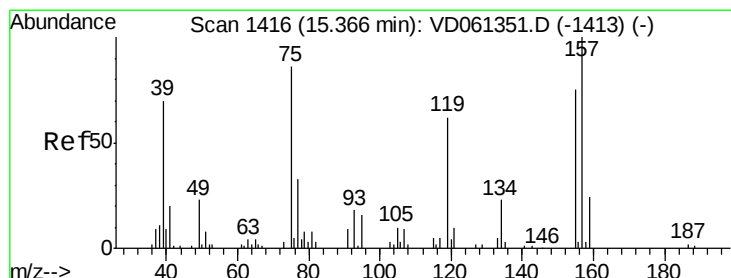
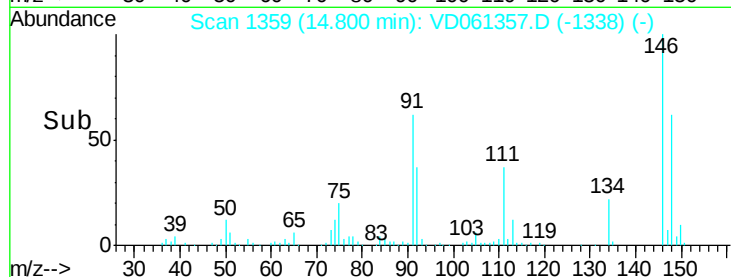
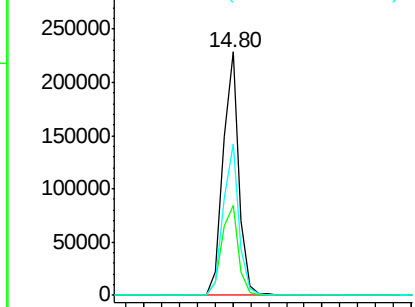
#91
 1,2-Dichlorobenzene
 Concen: 22.644 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion:146 Resp: 287733
 Ion Ratio Lower Upper
 146 100
 111 36.8 21.2 63.6
 148 62.1 31.6 95.0

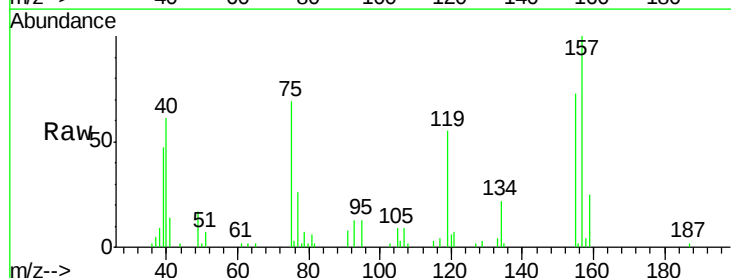


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

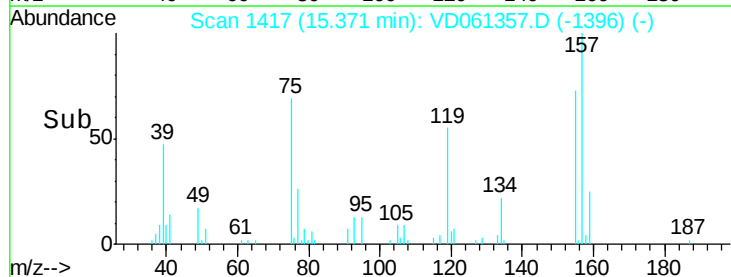
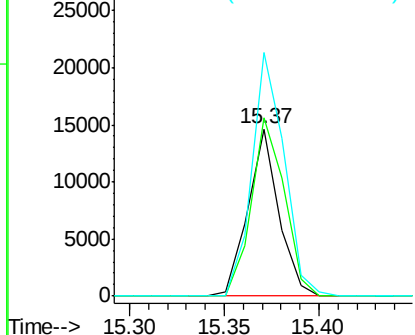


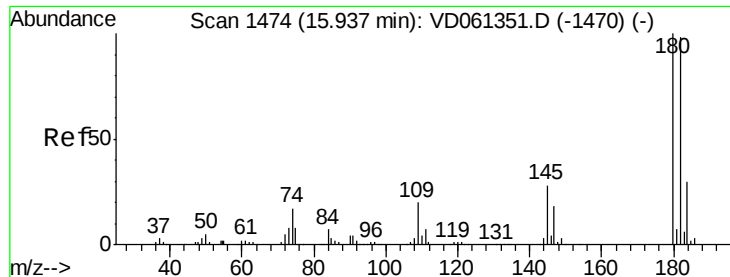
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.733 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion: 75 Resp: 16592
 Ion Ratio Lower Upper
 75 100
 155 107.2 43.6 130.9
 157 145.9 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

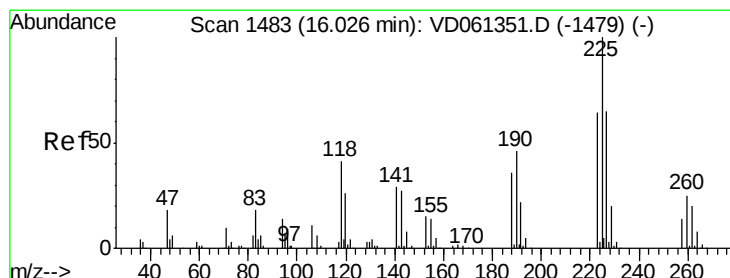
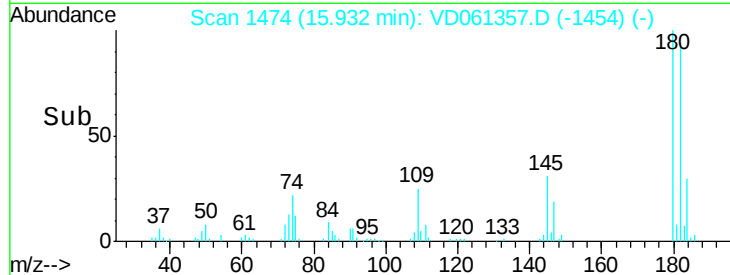
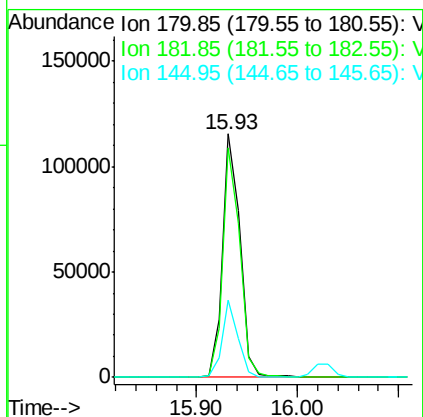
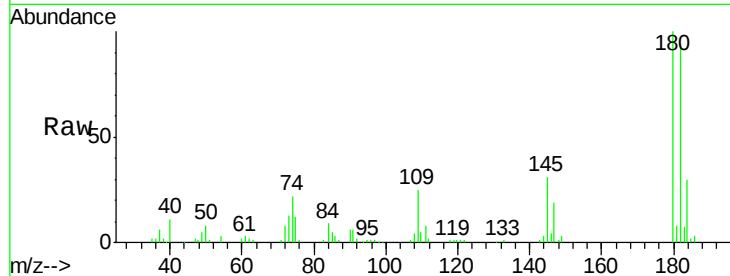




#93
 1,2,4-Trichlorobenzene
 Concen: 24.323 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

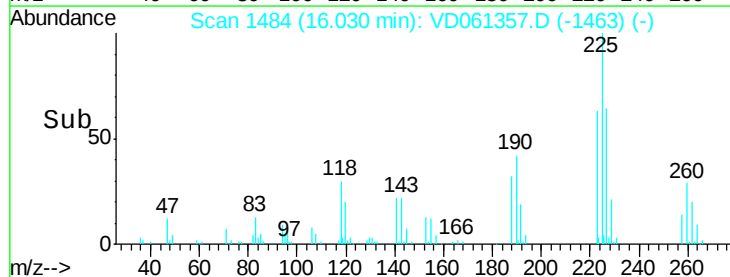
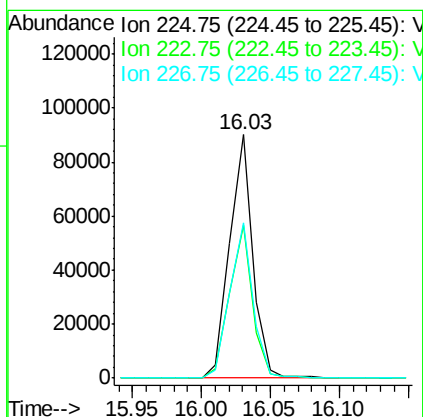
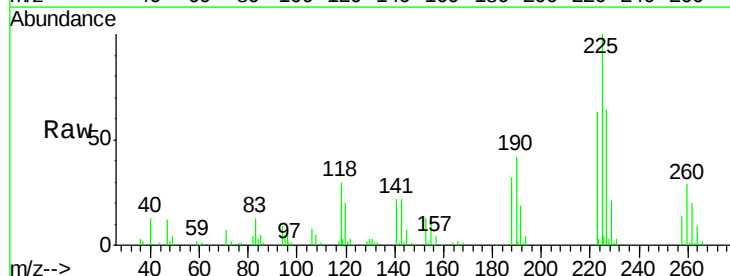
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0327SBSD01

Tot Ion:180 Resp: 140787
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.9 146.8
 145 31.5 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 23.276 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061357.D
 Acq: 27 Mar 2019 17:01

Tgt Ion:225 Resp: 105279
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.0 96.0
 227 63.7 32.4 97.2

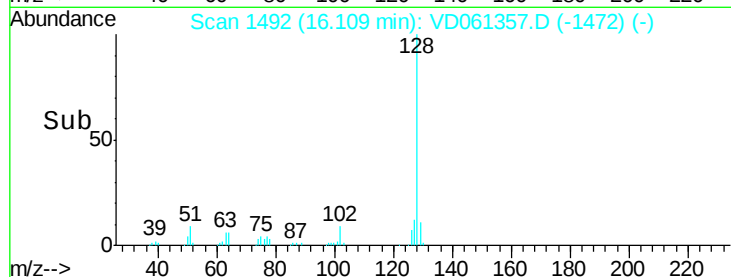
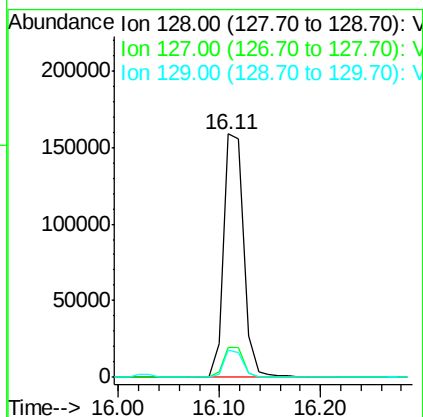
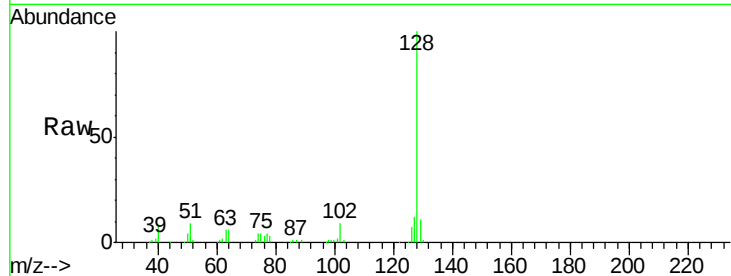




#95
Naphthalene
Concen: 24.897 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Instrument :
MSVOA_D
ClientSampleId :
VD0327SBSD01

Tot Ion:128 Resp: 219664
Ion Ratio Lower Upper
128 100
127 12.1 9.9 14.9
129 11.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 26.256 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061357.D
Acq: 27 Mar 2019 17:01

Tgt Ion:180 Resp: 66876
Ion Ratio Lower Upper
180 100
182 99.3 46.4 139.1
145 36.8 15.3 45.9

