

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057990.D
 Acq On : 8 Jun 2018 1:44
 Operator : JC/SY
 Sample : VD0607SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Quant Time: Jun 08 06:53:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	917460	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	1232360	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	944527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	508181	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	446707	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	5.54	113	473595	49.67	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.69	98	1058792	46.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	11.92	95	449858	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	272496	22.130	ug/l	100
3) Chloromethane	1.49	50	139454	22.995	ug/l	96
4) Vinyl Chloride	1.57	62	124323	21.179	ug/l	95
5) Bromomethane	1.80	94	44451	19.321	ug/l	99
6) Chloroethane	1.89	64	44474	19.203	ug/l	89
7) Trichlorofluoromethane	2.09	101	159262	19.848	ug/l	92
8) Diethyl Ether	2.35	74	34407	23.082	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.56	101	106658	22.284	ug/l	98
10) Methyl Iodide	2.70	142	125567	20.332	ug/l #	93
11) Tert butyl alcohol	3.27	59	24540	99.872	ug/l	98
12) 1,1-Dichloroethene	2.55	96	79836	21.697	ug/l	90
13) Acrolein	2.47	56	37334	106.094	ug/l	95
14) Allyl chloride	2.92	41	171421	20.195	ug/l	94
15) Acrylonitrile	3.37	53	163047	113.427	ug/l	95
16) Acetone	2.62	43	126548	95.762	ug/l	93
17) Carbon Disulfide	2.76	76	280777	21.064	ug/l	96
18) Methyl Acetate	2.94	43	53210	20.815	ug/l	96
19) Methyl tert-butyl Ether	3.41	73	380361	23.492	ug/l	100
20) Methylene Chloride	3.07	84	98761	26.564	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	177547	21.663	ug/l	99
22) Diisopropyl ether	4.07	45	785776	23.367	ug/l	95
23) Vinyl Acetate	4.02	43	1996526	114.910	ug/l	99
24) 1,1-Dichloroethane	3.97	63	420627	22.759	ug/l	98
25) 2-Butanone	4.83	43	324721	108.124	ug/l	94
26) 2,2-Dichloropropane	4.79	77	304678	20.013	ug/l	99
27) cis-1,2-Dichloroethene	4.80	96	216340	22.257	ug/l	96
28) Bromochloromethane	5.14	49	181463	22.686	ug/l	98
29) Tetrahydrofuran	5.18	42	180679	114.767	ug/l	99
30) Chloroform	5.32	83	422475	22.714	ug/l	100
31) Cyclohexane	5.58	56	326440	20.468	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	335247	21.526	ug/l	98
36) 1,1-Dichloropropene	5.74	75	297781	21.932	ug/l	98
37) Ethyl Acetate	4.92	43	176214	23.785	ug/l	97
38) Carbon Tetrachloride	5.72	117	287990	21.522	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	302193	22.452	ug/l	98
40) Benzene	6.01	78	700211	22.076	ug/l	98
41) Methacrylonitrile	5.12	41	86883	25.649	ug/l	98
42) 1,2-Dichloroethane	6.12	62	300456	23.429	ug/l	98
43) Isopropyl Acetate	7.61	43	223379	23.019	ug/l #	97
44) Trichloroethene	6.97	130	209148	22.575	ug/l	98
45) 1,2-Dichloropropane	7.34	63	204494	23.197	ug/l	100
46) Dibromomethane	7.45	93	131316	23.189	ug/l	96
47) Bromodichloromethane	7.73	83	304441	22.961	ug/l	97
48) Methyl methacrylate	7.50	41	134339	22.492	ug/l	97
49) 1,4-Dioxane	7.47	88	22973	464.298	ug/l	97
51) 4-Methyl-2-Pentanone	8.59	43	742970	119.368	ug/l	100
52) Toluene	8.79	92	404175	22.204	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	261242	22.869	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	298496	22.179	ug/l	100
55) 1,1,2-Trichloroethane	9.44	97	138140	23.448	ug/l	98
56) Ethyl methacrylate	9.30	69	159830	22.117	ug/l	96
57) 1,3-Dichloropropane	9.66	76	244973	23.709	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.18	63	421715	115.505	ug/l	99
59) 2-Hexanone	9.78	43	522906	114.639	ug/l	100
60) Dibromochloromethane	9.94	129	185571	22.338	ug/l	96
61) 1,2-Dibromoethane	10.08	107	147539	21.777	ug/l	92
64) Tetrachloroethene	9.50	164	205580	24.346	ug/l	95
65) Chlorobenzene	10.71	112	445028	23.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	179883	24.486	ug/l	97
67) Ethyl Benzene	10.85	91	843125	24.407	ug/l	96
68) m/p-Xylenes	11.01	106	557438	49.499	ug/l	93
69) o-Xylene	11.39	106	264853	23.693	ug/l	94
70) Styrene	11.42	104	449193	24.274	ug/l	97
71) Bromoform	11.59	173	126692	22.924	ug/l #	96
73) Isopropylbenzene	11.77	105	759207	22.555	ug/l	99
74) N-amyl acetate	11.64	43	296119	22.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	164263	22.383	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	179310	23.489	ug/l	97
77) Bromobenzene	12.03	156	224525	22.535	ug/l	97
78) n-propylbenzene	12.15	91	992324	22.656	ug/l	99
79) 2-Chlorotoluene	12.21	91	582612	23.317	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	599972	22.856	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	41477	21.937	ug/l	96
82) 4-Chlorotoluene	12.32	91	628013	24.202	ug/l	99
83) tert-Butylbenzene	12.57	119	652898	22.028	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	645088	22.856	ug/l	98
85) sec-Butylbenzene	12.75	105	779295	21.786	ug/l	100
86) p-Isopropyltoluene	12.88	119	630030	21.853	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	388875	23.074	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	360001	21.923	ug/l	93
89) n-Butylbenzene	13.19	91	657628	22.943	ug/l	98
90) Hexachloroethane	13.39	117	164471	22.351	ug/l	61
91) 1,2-Dichlorobenzene	13.18	146	317990	23.347	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	25119	22.178	ug/l	95

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ClientSampleId :
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Quant Time: Jun 08 06:53:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

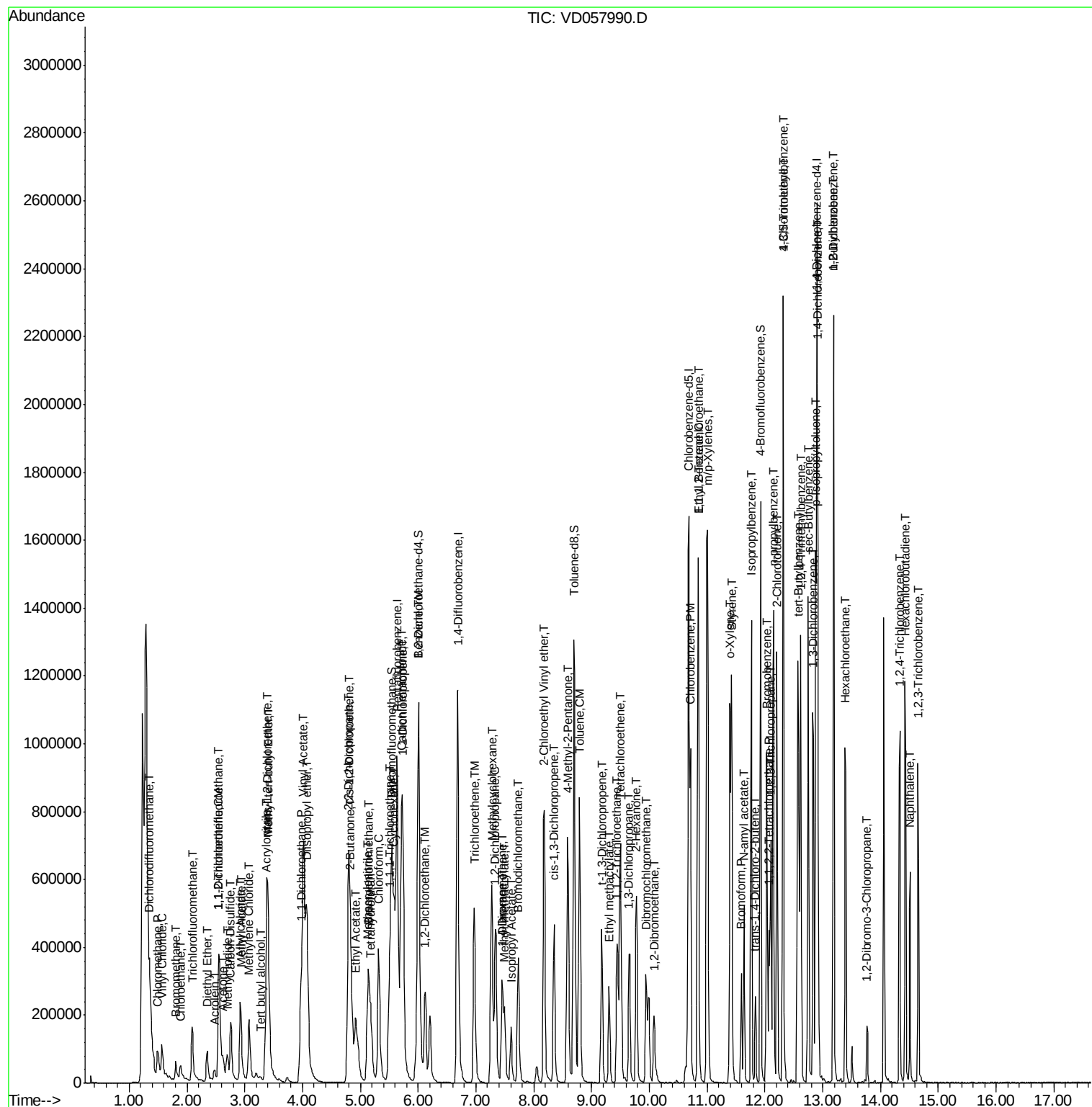
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	287672	22.607	ug/l	97
94) Hexachlorobutadiene	14.43	225	214828	21.464	ug/l	99
95) Naphthalene	14.51	128	363191	22.137	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	240970	22.221	ug/l	98

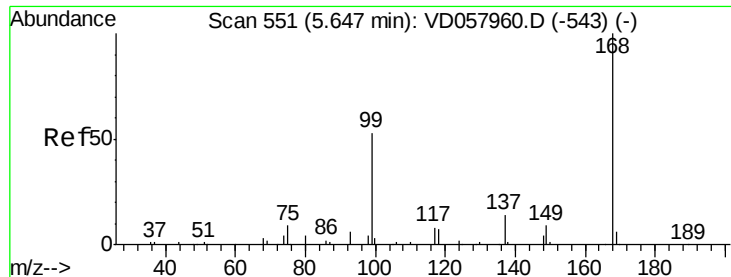
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057990.D
 Acq On : 8 Jun 2018 1:44
 Operator : JC/SY
 Sample : VD0607SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_D
 Client Sample ID :
 VD0607SBS02

Quant Time: Jun 08 02:15:41 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

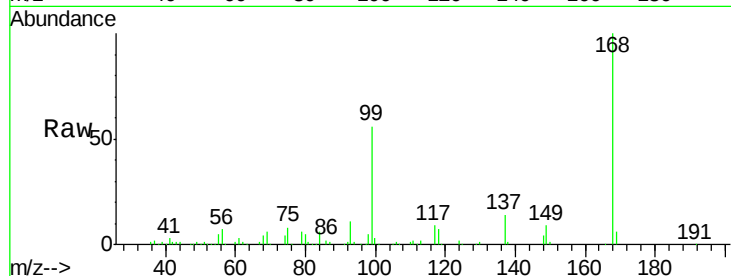
VD0607SBS02

Tgt Ion:168 Resp: 917460

Ion Ratio Lower Upper

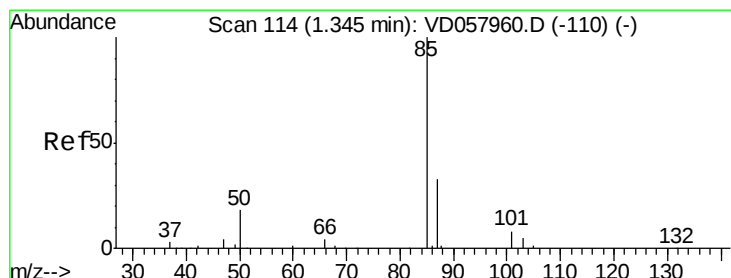
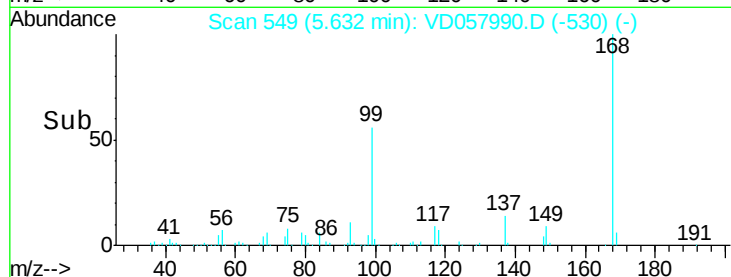
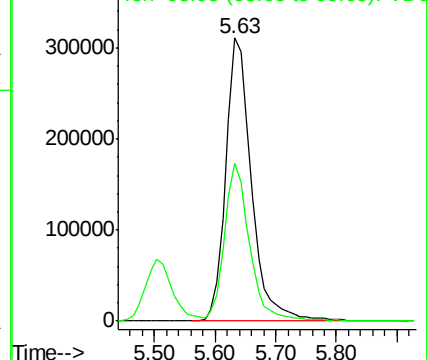
168 100

99 55.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.130 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD057990.D

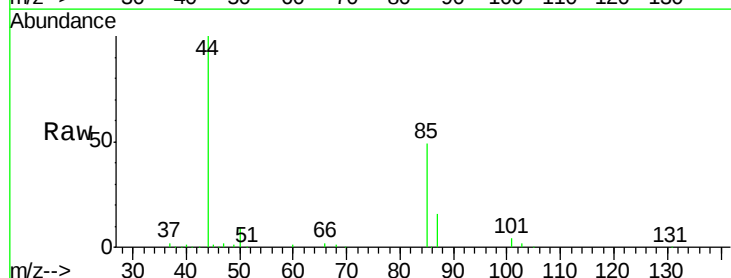
Acq: 8 Jun 2018 1:44

Tgt Ion: 85 Resp: 272496

Ion Ratio Lower Upper

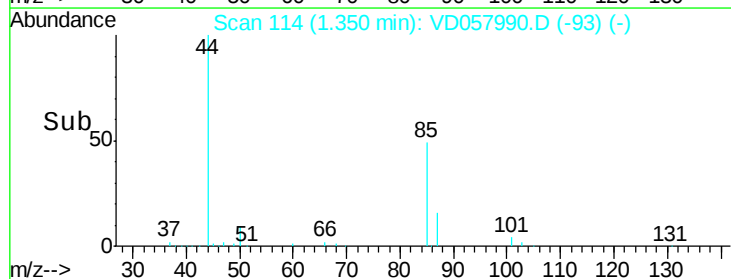
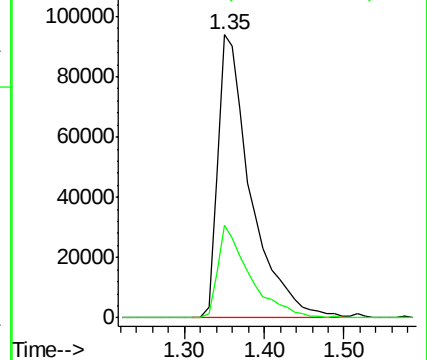
85 100

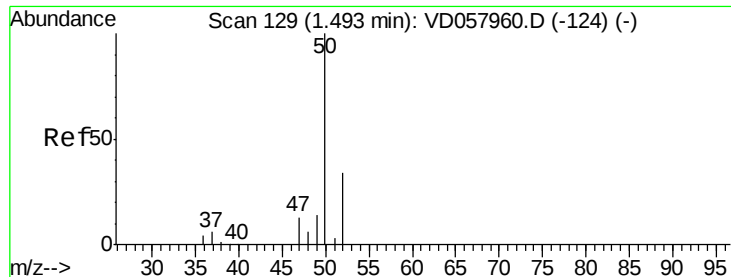
87 32.6 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.995 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

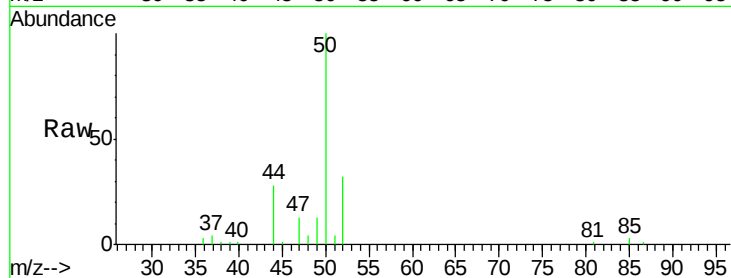
VD0607SBS02

Tgt Ion: 50 Resp: 139454

Ion Ratio Lower Upper

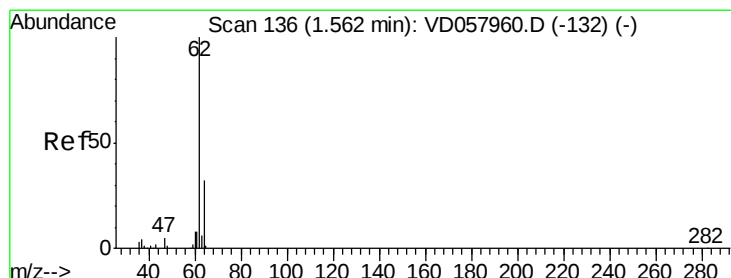
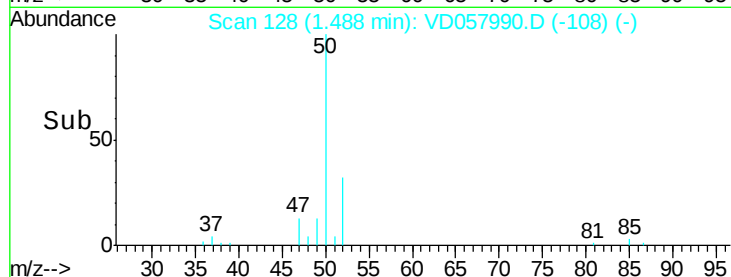
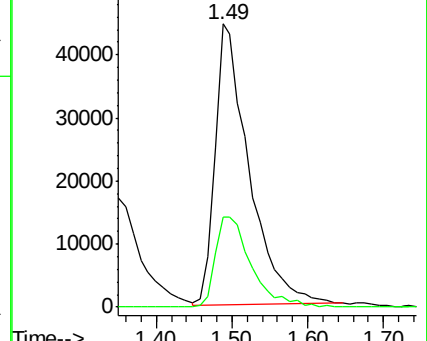
50 100

52 31.8 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.179 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD057990.D

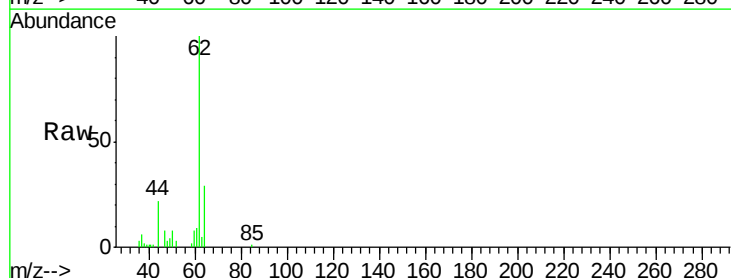
Acq: 8 Jun 2018 1:44

Tgt Ion: 62 Resp: 124323

Ion Ratio Lower Upper

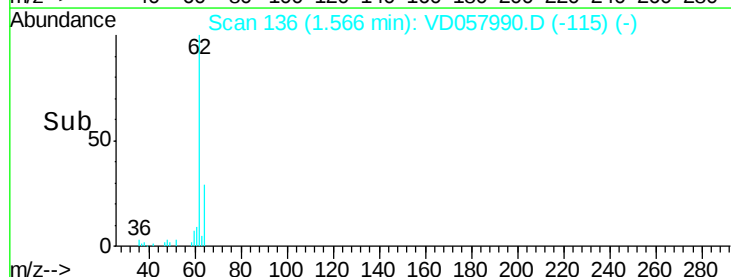
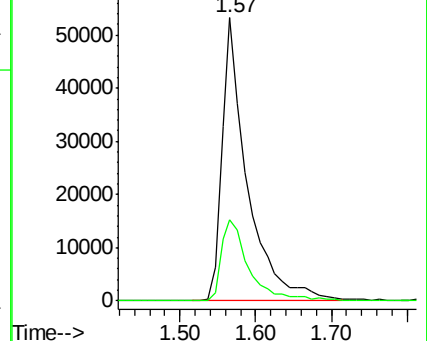
62 100

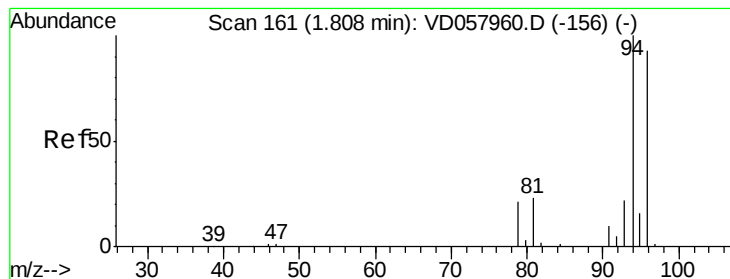
64 28.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.321 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

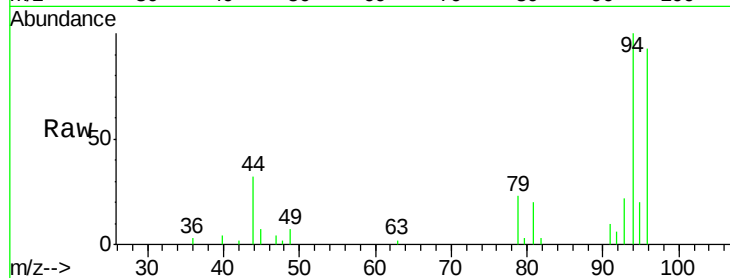
VD0607SBS02

Tgt Ion: 94 Resp: 44451

Ion Ratio Lower Upper

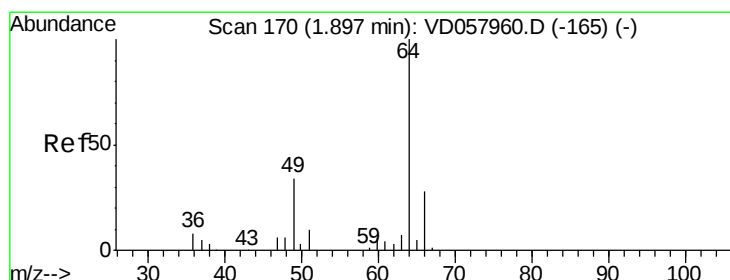
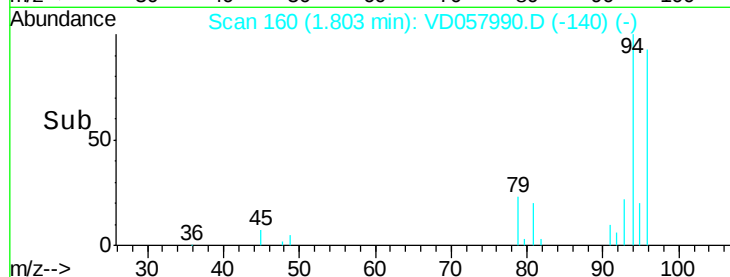
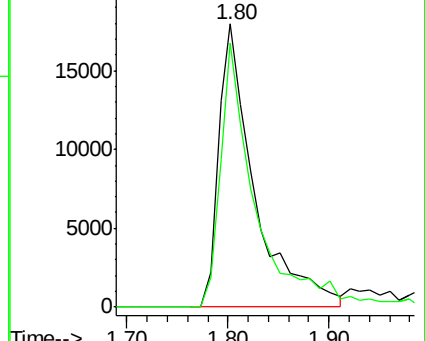
94 100

96 93.4 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.203 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD057990.D

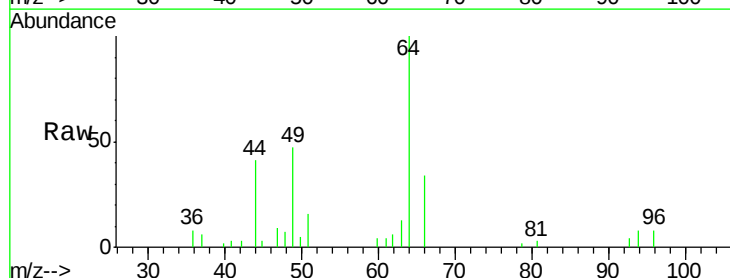
Acq: 8 Jun 2018 1:44

Tgt Ion: 64 Resp: 44474

Ion Ratio Lower Upper

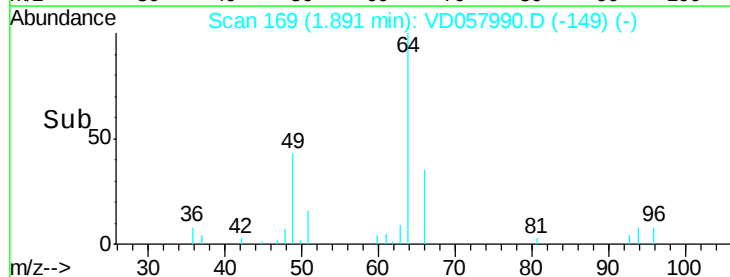
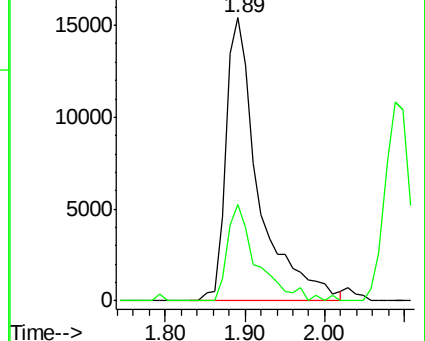
64 100

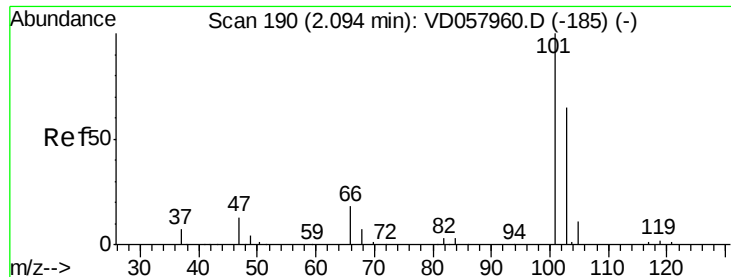
66 34.1 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



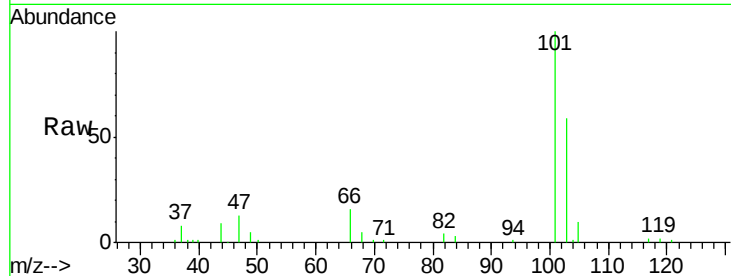


#7

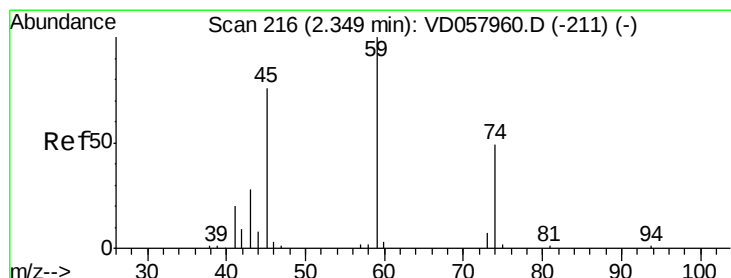
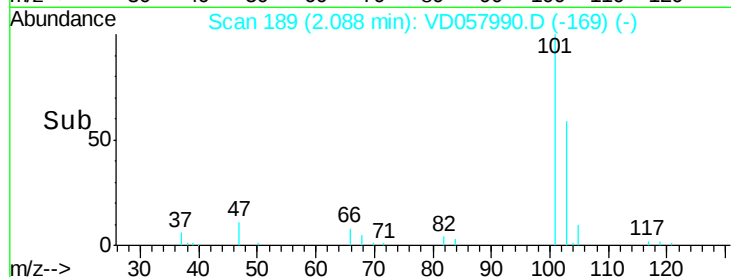
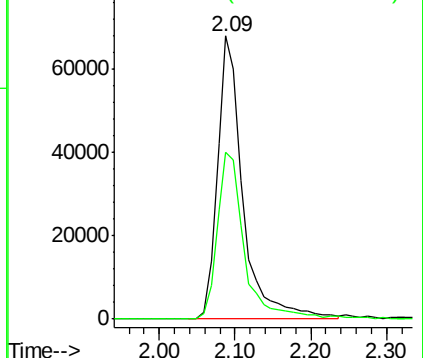
Trichlorofluoromethane
Concen: 19.848 ug/l
RT: 2.09 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 101 Resp: 159262
Ion Ratio Lower Upper
101 100
103 58.8 52.4 78.6



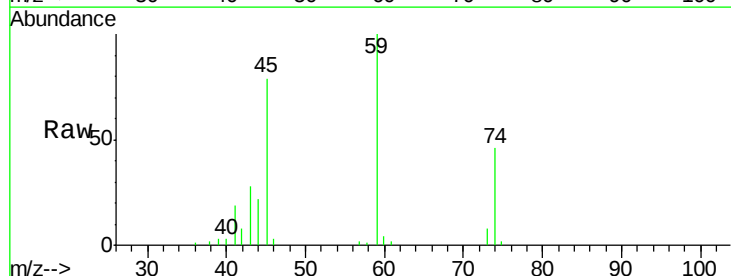
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



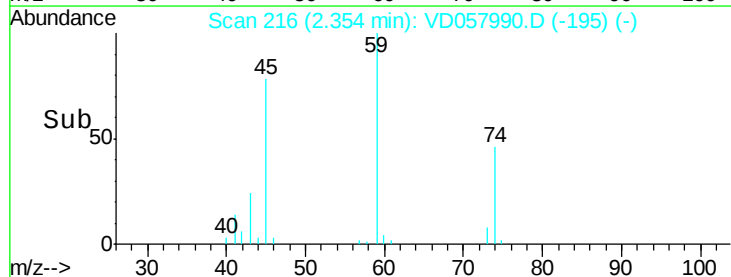
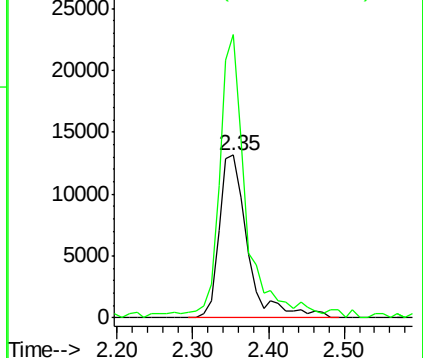
#8

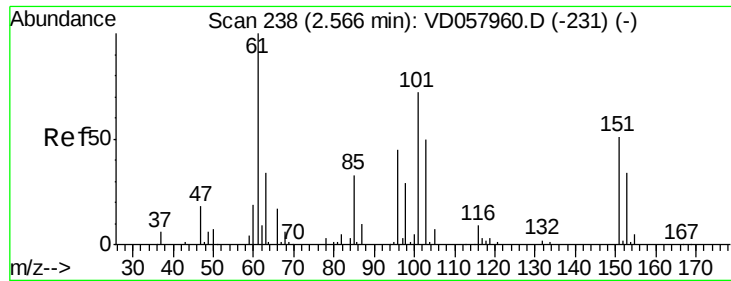
Diethyl Ether
Concen: 23.082 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 74 Resp: 34407
Ion Ratio Lower Upper
74 100
45 173.7 77.1 231.3



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: 22.284 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

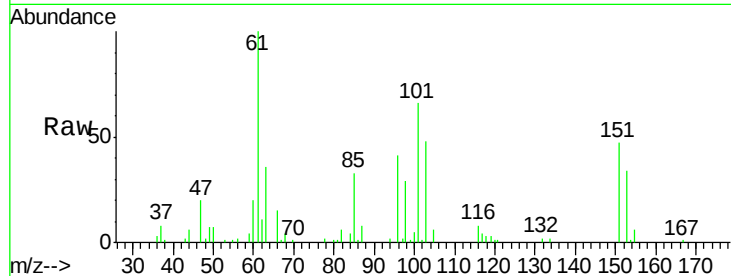
Tgt Ion:101 Resp: 106658

Ion Ratio Lower Upper

101 100

85 49.5 37.3 55.9

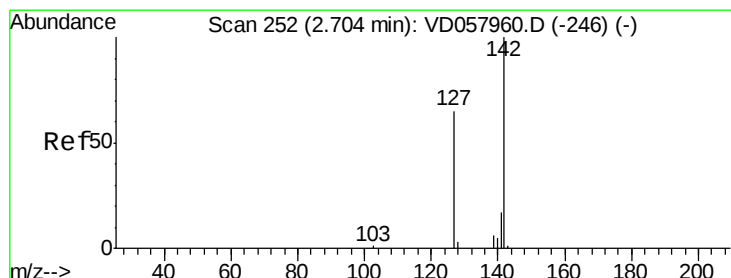
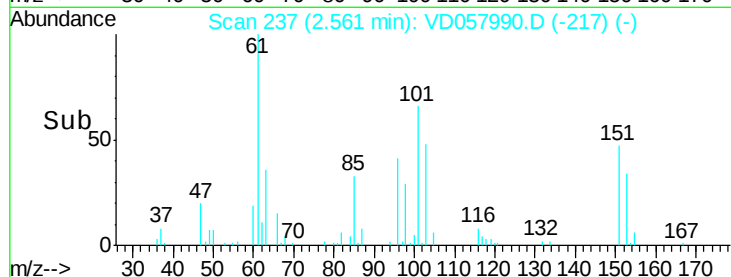
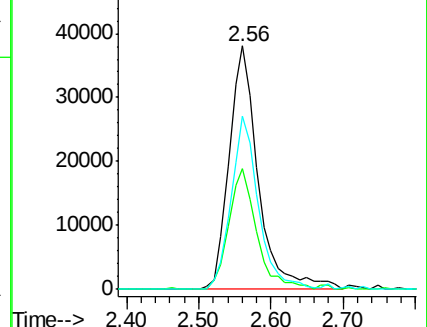
151 71.2 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.332 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

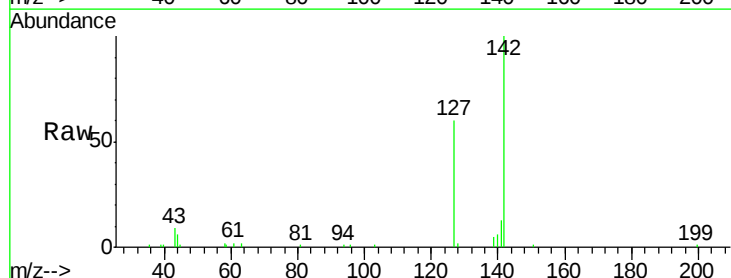
Tgt Ion:142 Resp: 125567

Ion Ratio Lower Upper

142 100

127 59.6 52.0 78.0

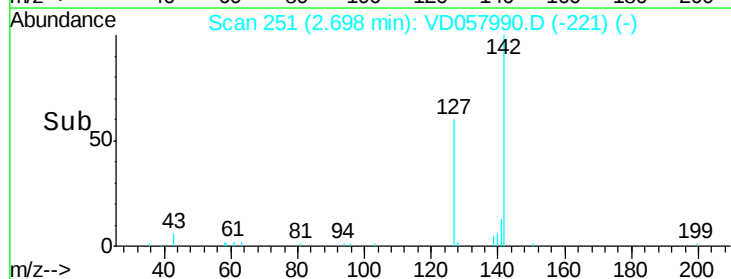
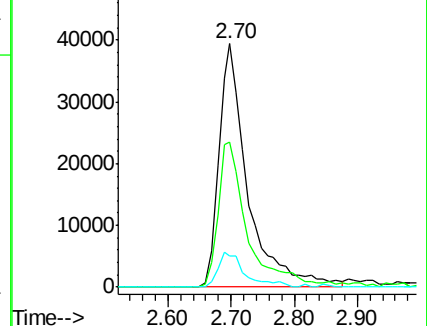
141 13.0 13.2 19.8#

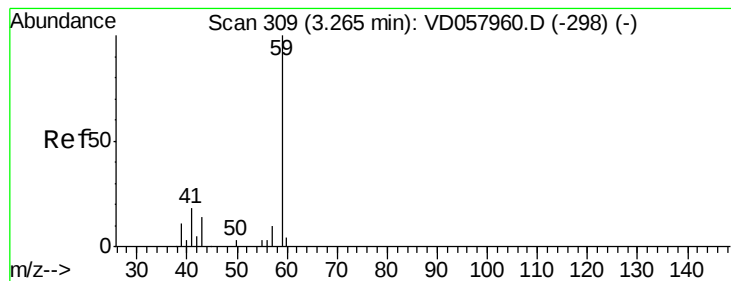


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



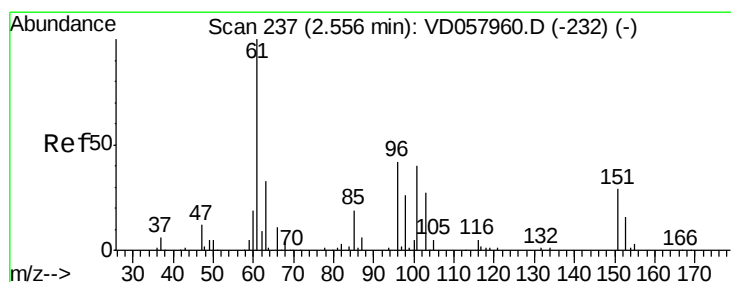
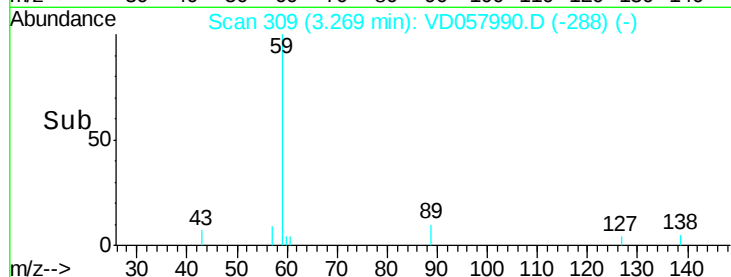
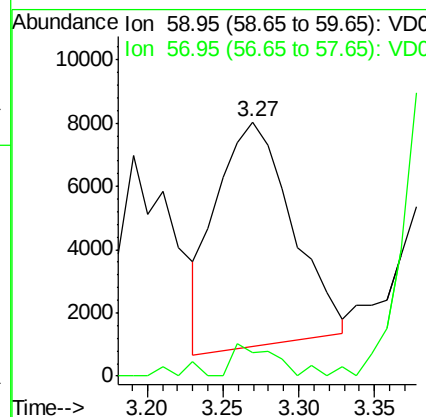
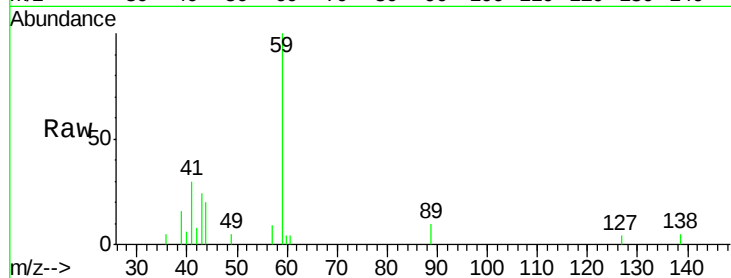


#11

Tert butyl alcohol
 Concen: 99.872 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

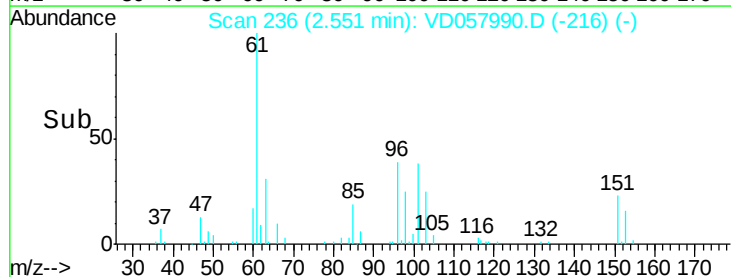
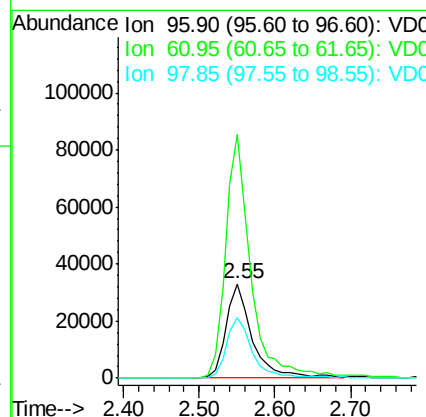
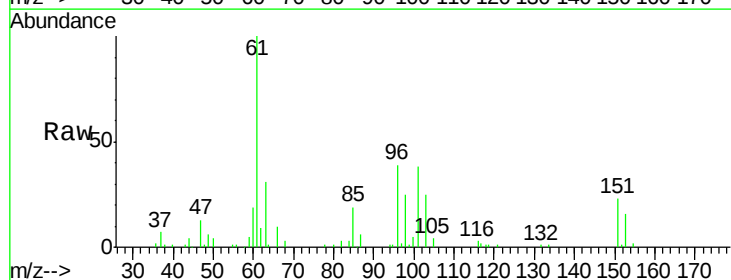
Tgt Ion: 59 Resp: 24540
 Ion Ratio Lower Upper
 59 100
 57 9.0 7.8 11.6

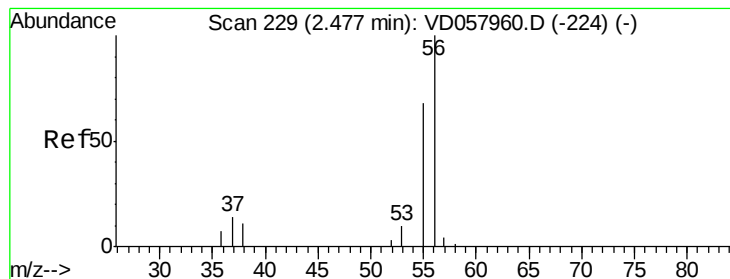


#12

1,1-Dichloroethene
 Concen: 21.697 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion: 96 Resp: 79836
 Ion Ratio Lower Upper
 96 100
 61 258.6 190.2 285.4
 98 63.9 49.6 74.4





#13

Acrolein

Concen: 106.094 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

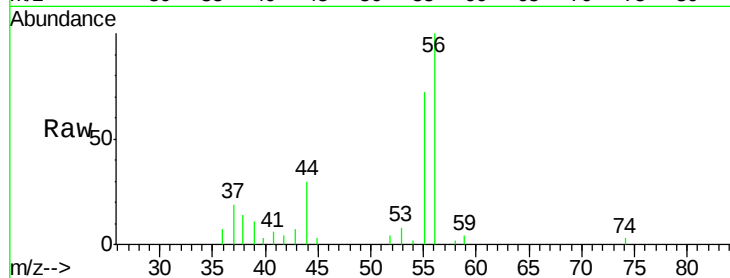
VD0607SBS02

Tgt Ion: 56 Resp: 37334

Ion Ratio Lower Upper

56 100

55 71.8 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

15000

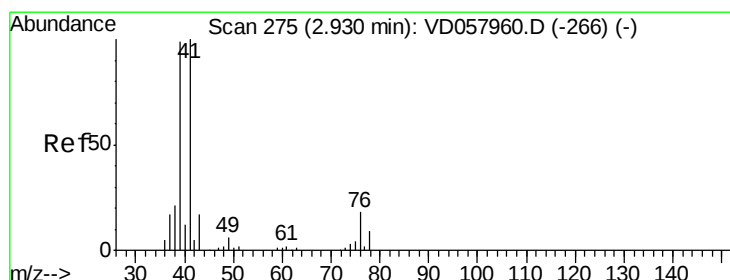
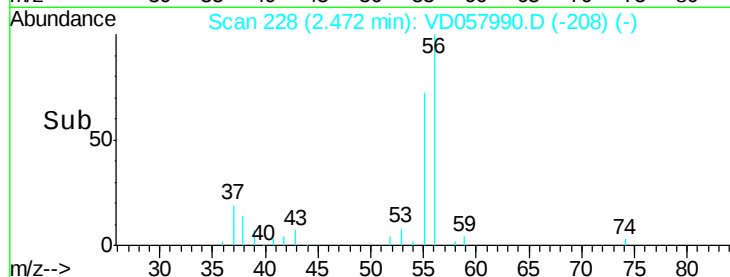
10000

5000

0

2.40 2.50 2.60

Time-->



#14

Allyl chloride

Concen: 20.195 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

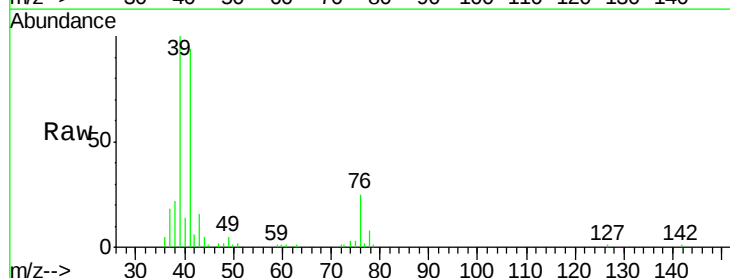
Tgt Ion: 41 Resp: 171421

Ion Ratio Lower Upper

41 100

39 106.4 79.5 119.3

76 26.8 20.7 31.1



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

150000

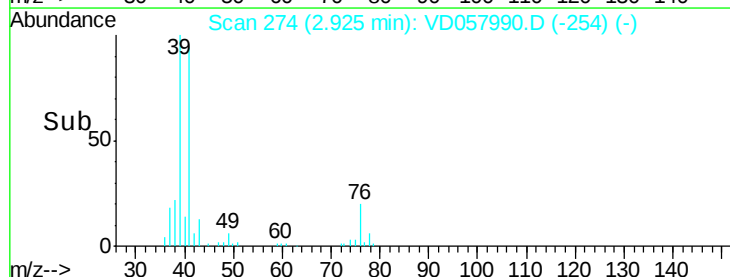
100000

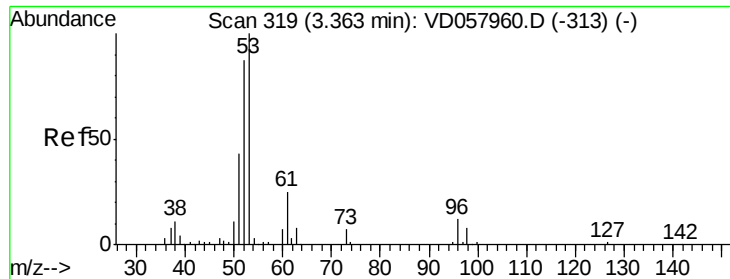
50000

0

2.80 2.90 3.00 3.10

Time-->





#15

Acrylonitrile

Concen: 113.427 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

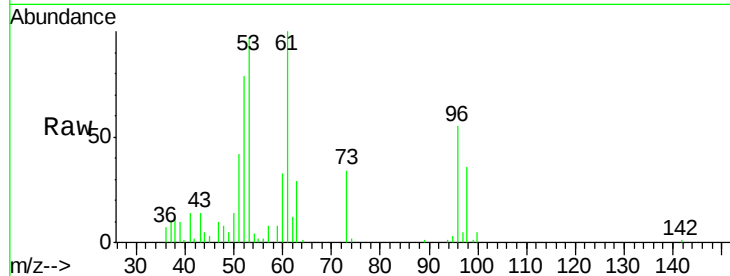
Tgt Ion: 53 Resp: 163047

Ion Ratio Lower Upper

53 100

52 81.6 69.9 104.9

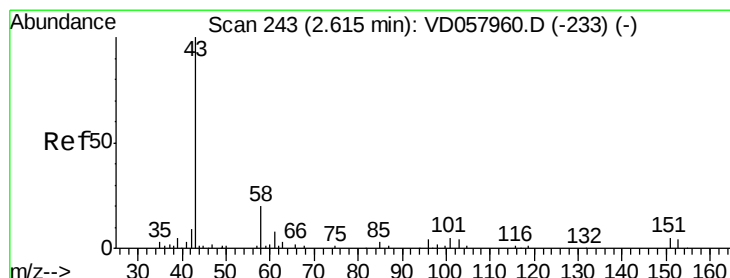
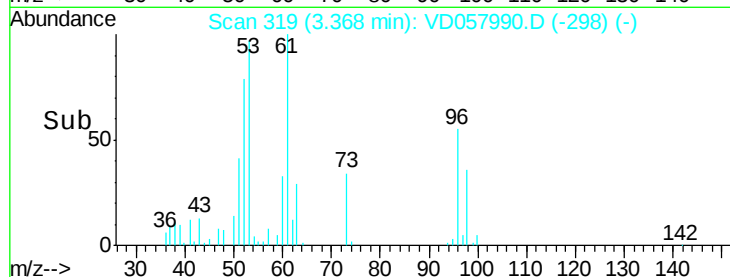
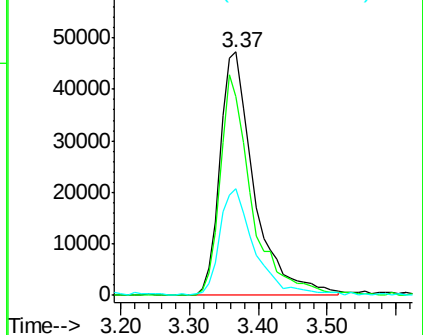
51 43.7 34.3 51.5



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: 95.762 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD057990.D

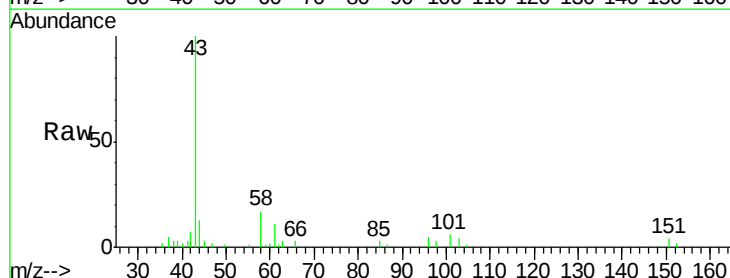
Acq: 8 Jun 2018 1:44

Tgt Ion: 43 Resp: 126548

Ion Ratio Lower Upper

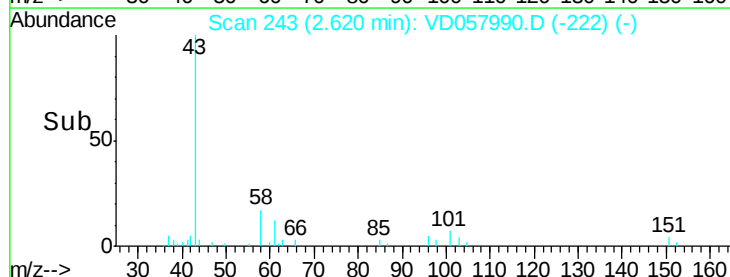
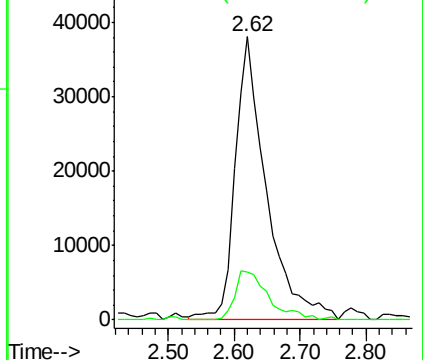
43 100

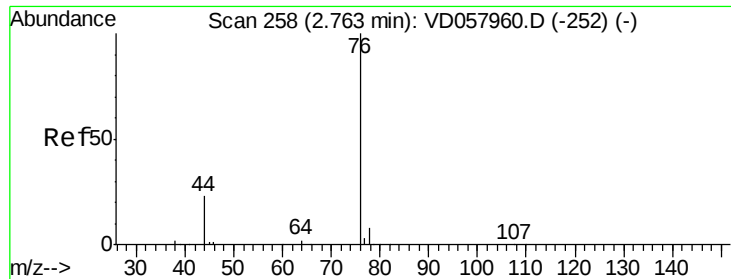
58 16.7 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

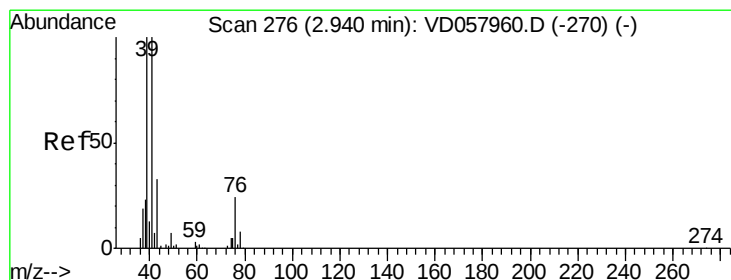
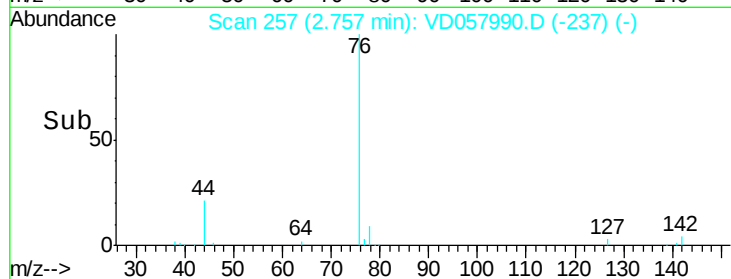
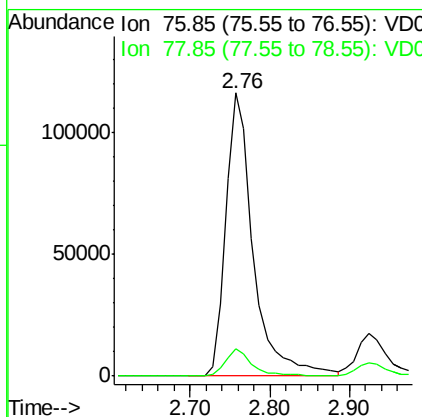
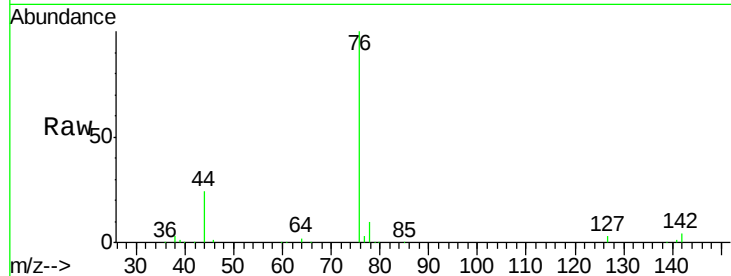




#17
Carbon Disulfide
Concen: 21.064 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

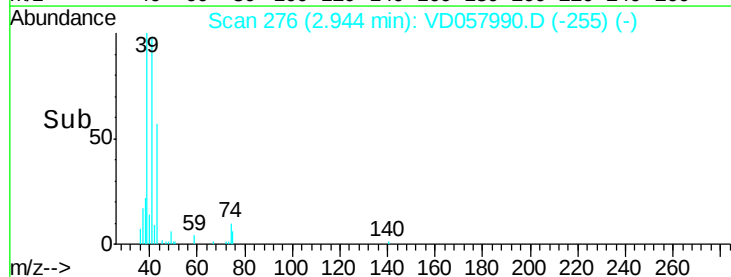
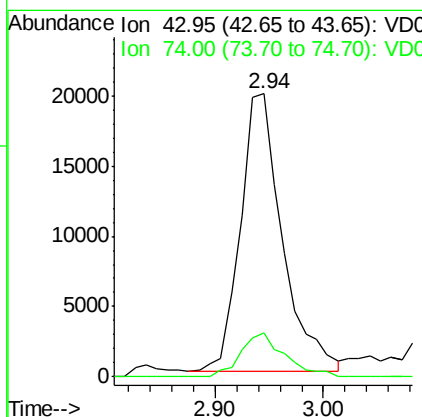
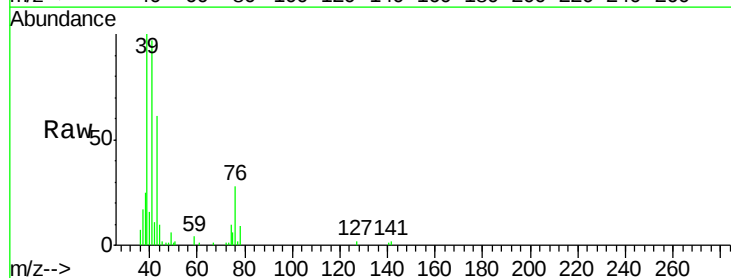
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

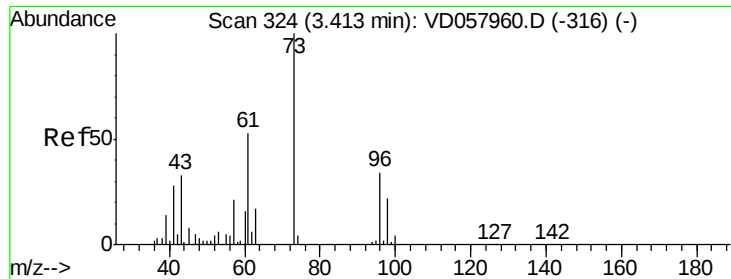
Tgt Ion: 76 Resp: 280777
Ion Ratio Lower Upper
76 100
78 9.7 6.7 10.1



#18
Methyl Acetate
Concen: 20.815 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 43 Resp: 53210
Ion Ratio Lower Upper
43 100
74 15.6 11.2 16.8

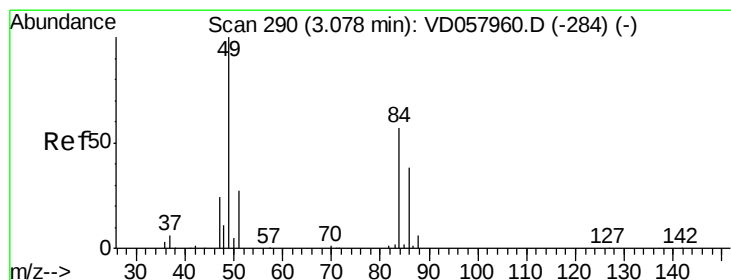
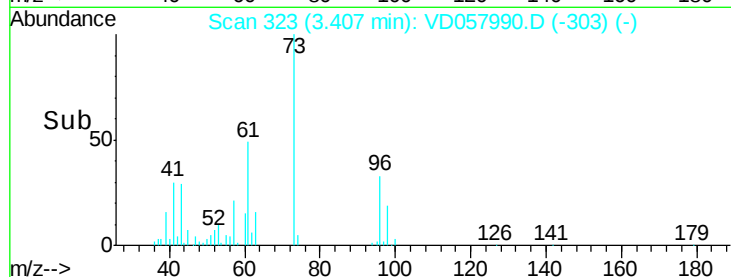
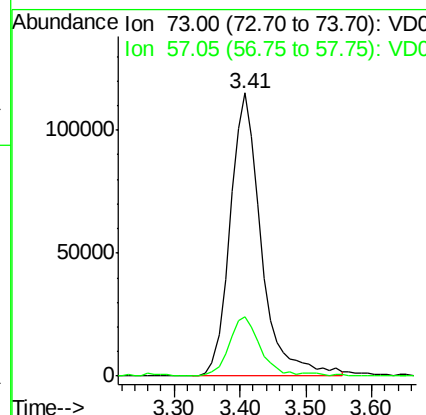
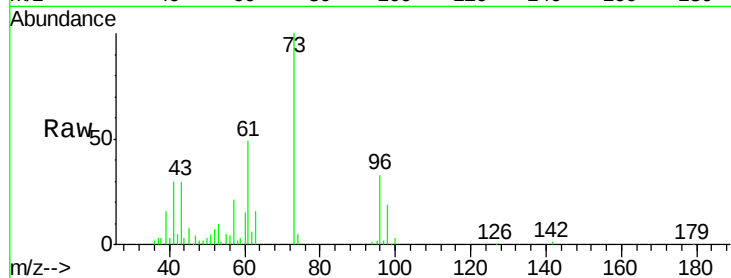




#19
Methyl tert-butyl Ether
Concen: 23.492 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

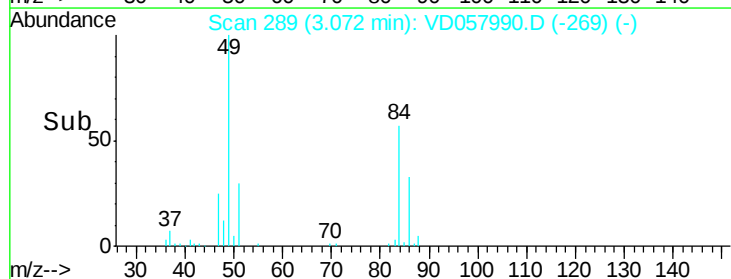
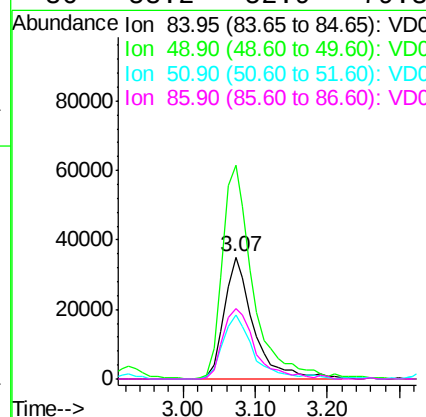
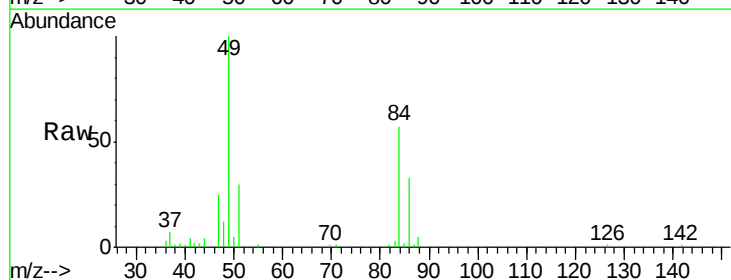
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

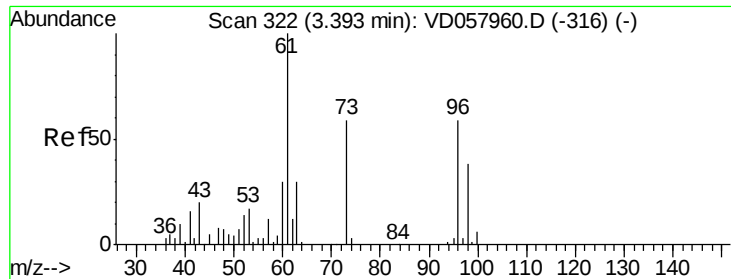
Tgt Ion: 73 Resp: 380361
Ion Ratio Lower Upper
73 100
57 20.8 16.7 25.1



#20
Methylene Chloride
Concen: 26.564 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 84 Resp: 98761
Ion Ratio Lower Upper
84 100
49 175.0 141.4 212.0
51 52.8 38.3 57.5
86 58.2 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 21.663 ug/l

RT: 3.39 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

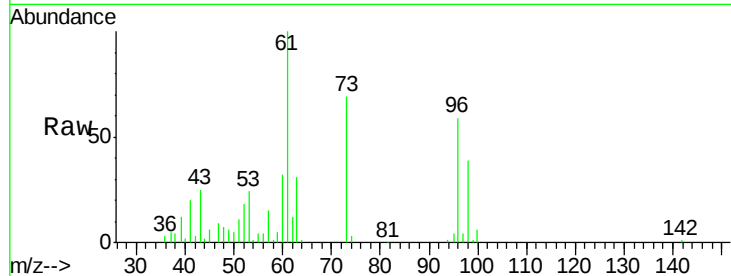
Tgt Ion: 96 Resp: 177547

Ion Ratio Lower Upper

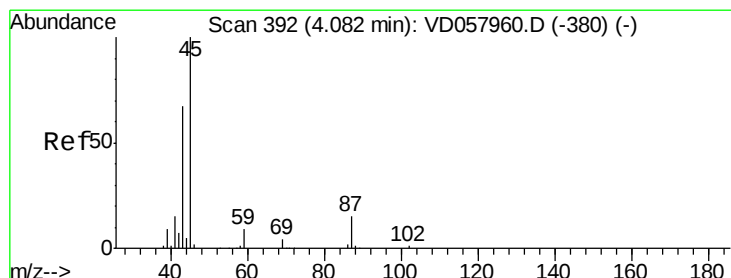
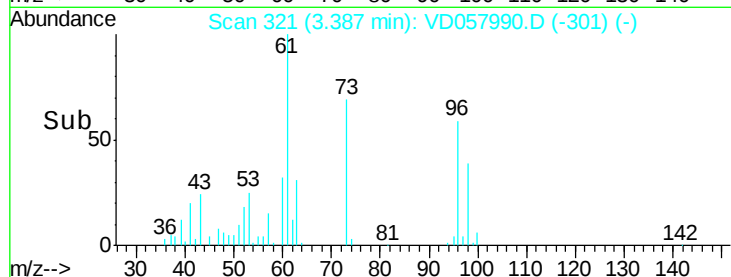
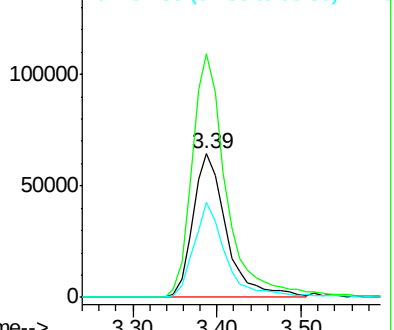
96 100

61 170.0 135.2 202.8

98 66.1 51.7 77.5



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: 23.367 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Tgt Ion: 45 Resp: 785776

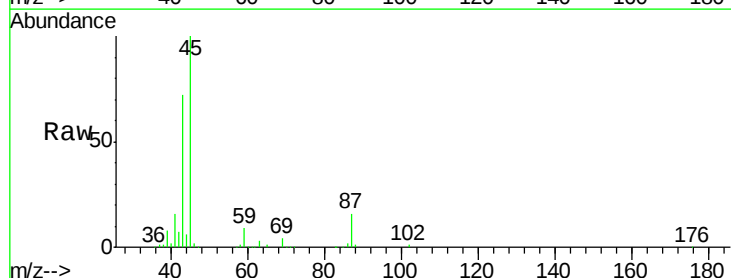
Ion Ratio Lower Upper

45 100

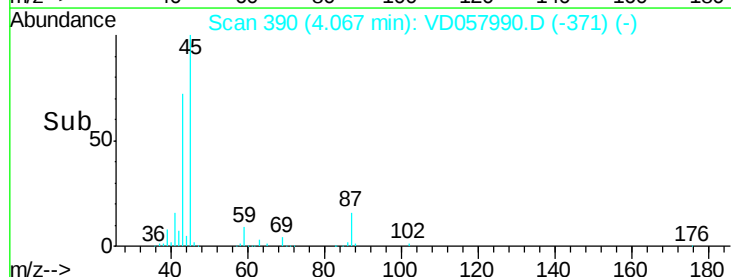
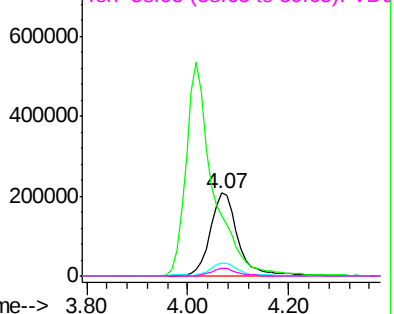
43 72.3 53.8 80.8

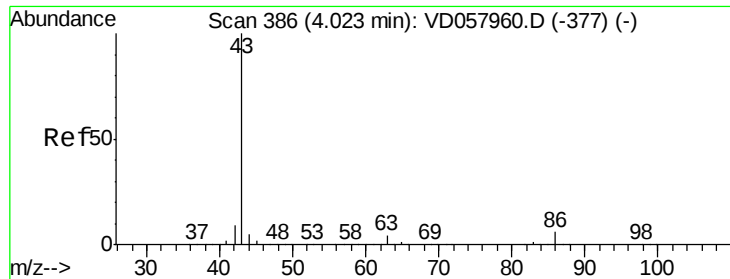
87 15.6 12.5 18.7

59 8.7 7.3 10.9



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: 114.910 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

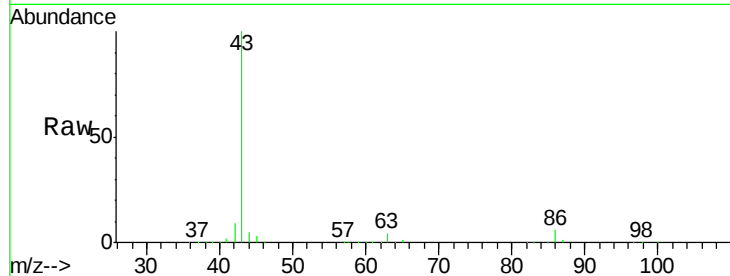
VD0607SBS02

Tgt Ion: 43 Resp: 1996526

Ion Ratio Lower Upper

43 100

86 5.7 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.02

600000

500000

400000

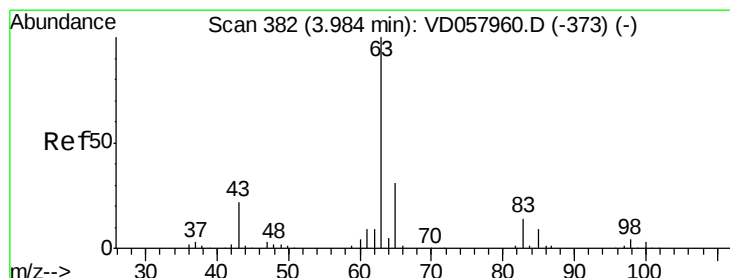
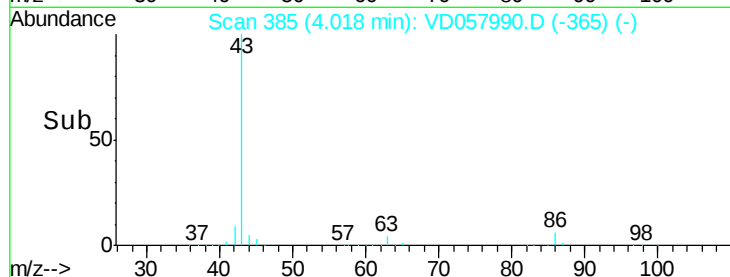
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.759 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

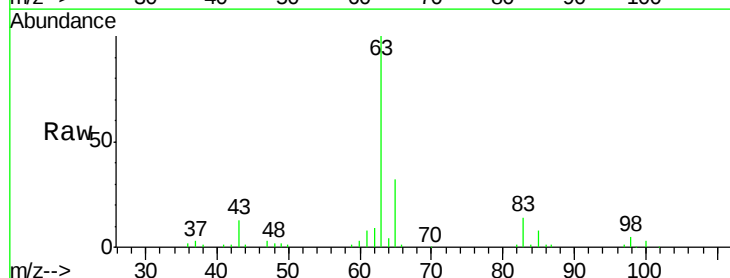
Tgt Ion: 63 Resp: 420627

Ion Ratio Lower Upper

63 100

98 5.1 2.0 5.8

100 2.8 1.4 4.2



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

3.97

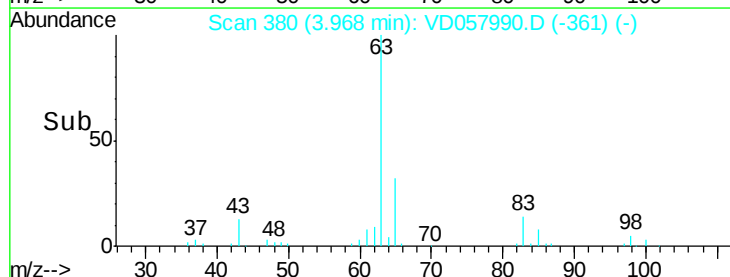
150000

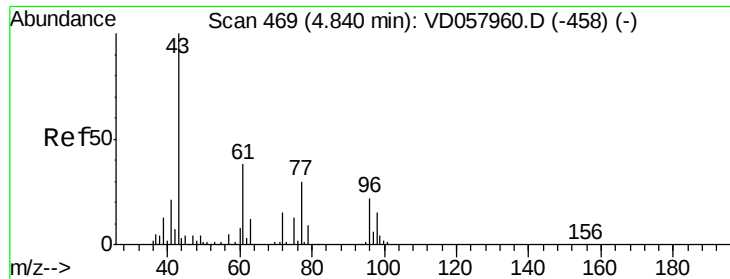
100000

50000

0

Time-->





#25

2-Butanone

Concen: 108.124 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

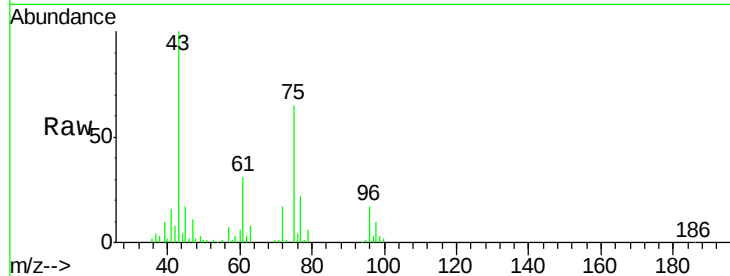
VD0607SBS02

Tgt Ion: 43 Resp: 324721

Ion Ratio Lower Upper

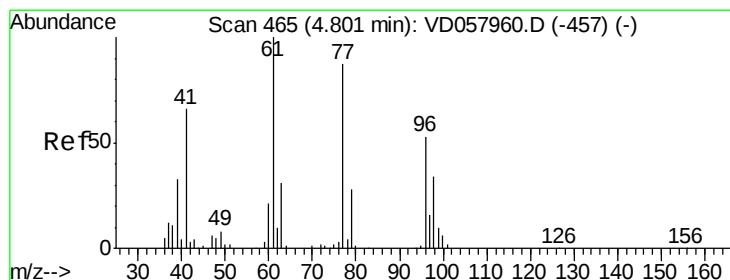
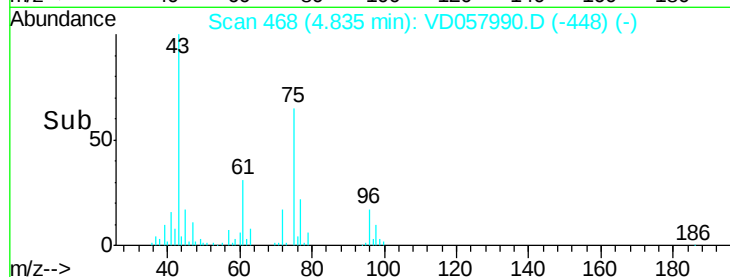
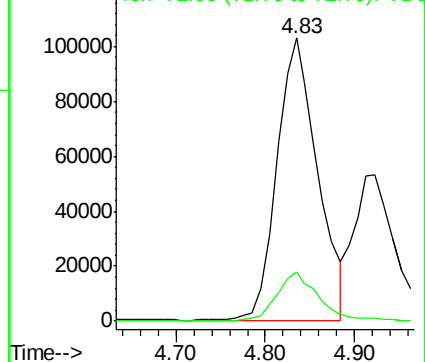
43 100

72 17.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.013 ug/l

RT: 4.79 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD057990.D

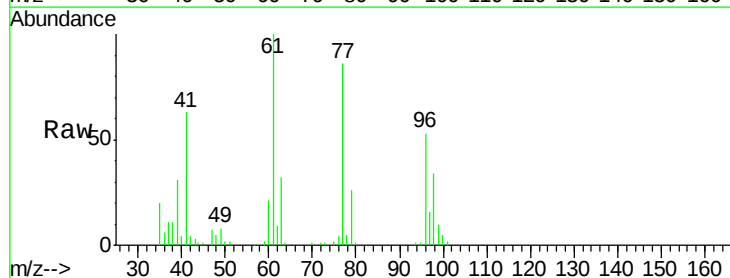
Acq: 8 Jun 2018 1:44

Tgt Ion: 77 Resp: 304678

Ion Ratio Lower Upper

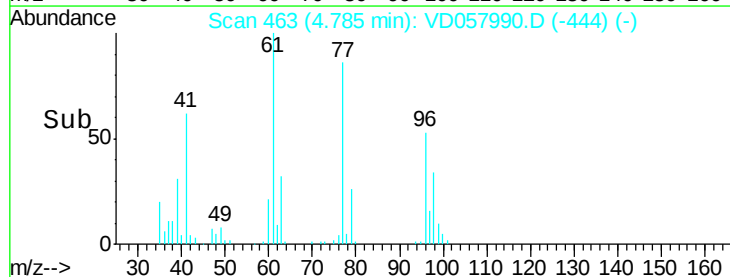
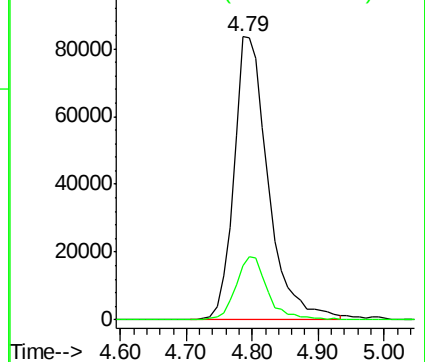
77 100

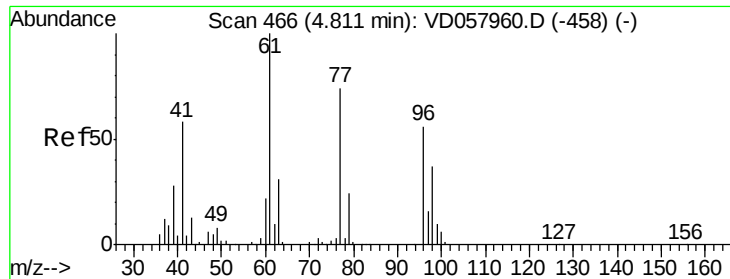
97 19.0 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 22.257 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

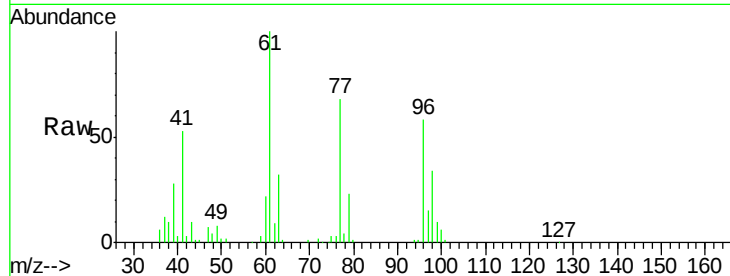
Tgt Ion: 96 Resp: 216340

Ion Ratio Lower Upper

96 100

61 172.7 0.0 355.0

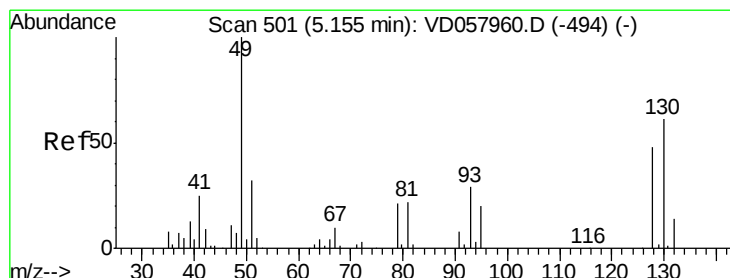
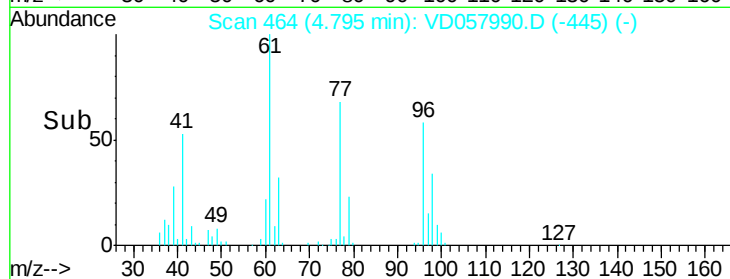
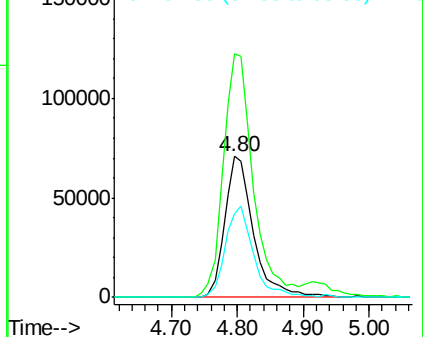
98 59.1 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 22.686 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

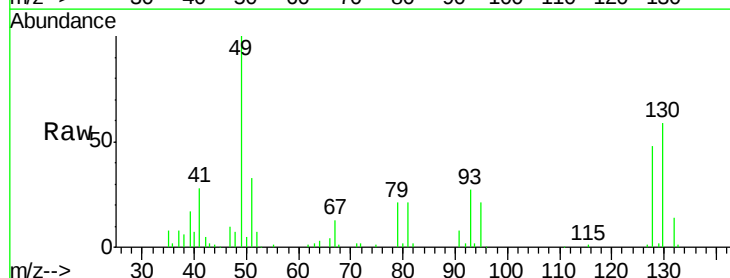
Tgt Ion: 49 Resp: 181463

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.6

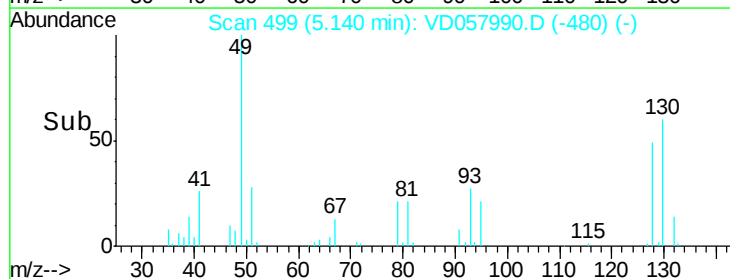
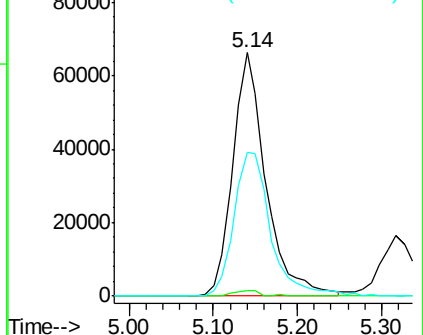
130 59.3 48.8 73.2

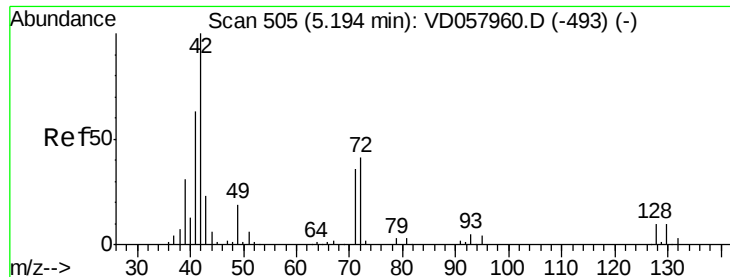


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

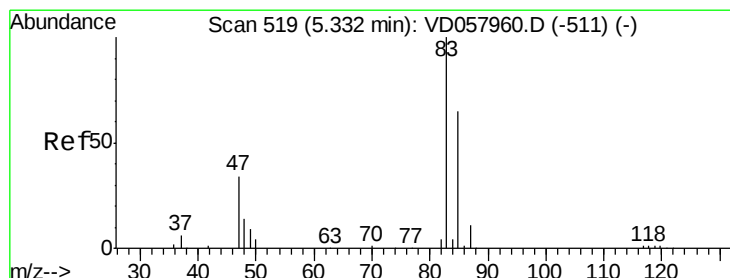
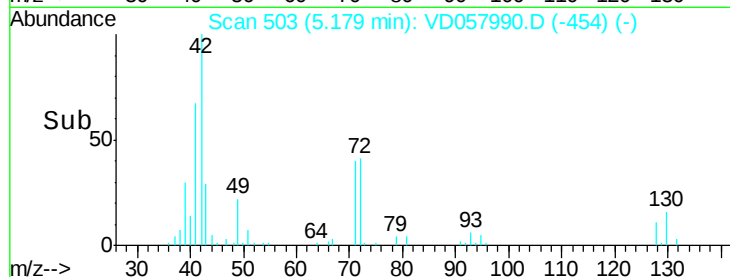
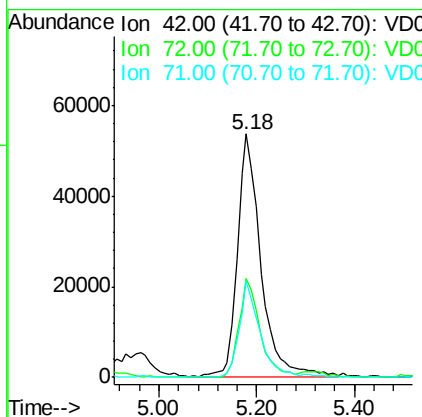
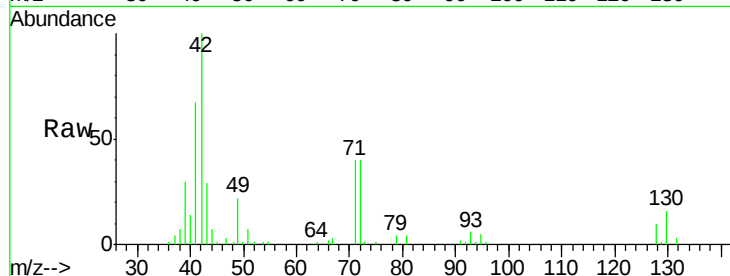




#29
Tetrahydrofuran
Concen: 114.767 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

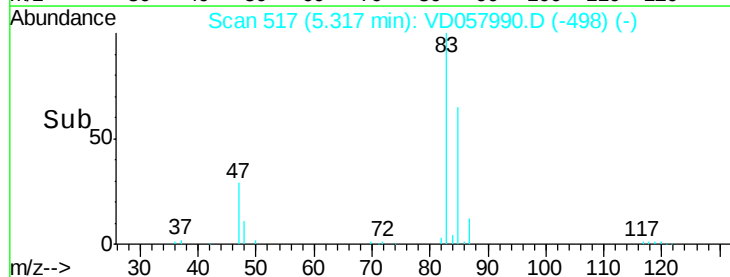
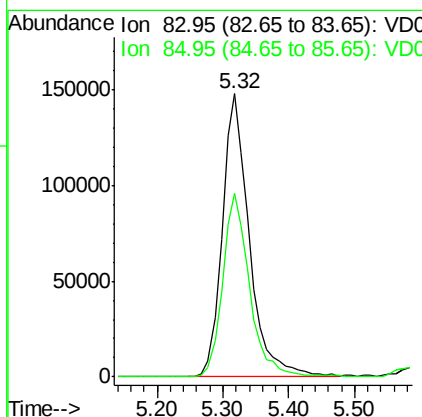
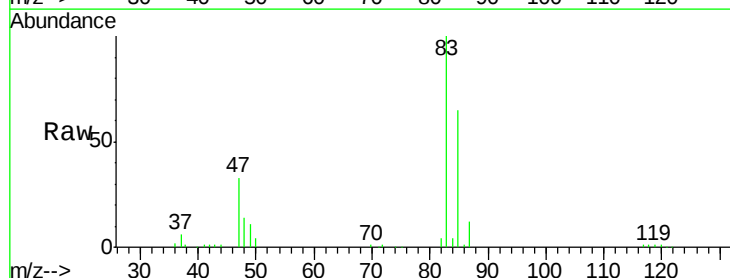
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

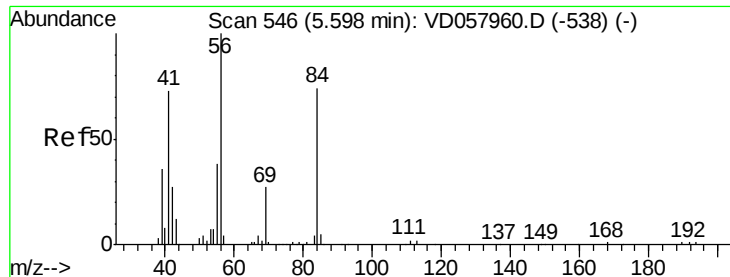
Tgt Ion: 42 Resp: 180679
Ion Ratio Lower Upper
42 100
72 36.2 28.5 42.7
71 34.5 27.9 41.9



#30
Chloroform
Concen: 22.714 ug/l
RT: 5.32 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 83 Resp: 422475
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4

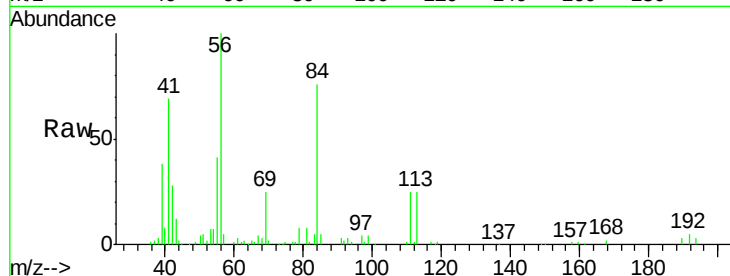




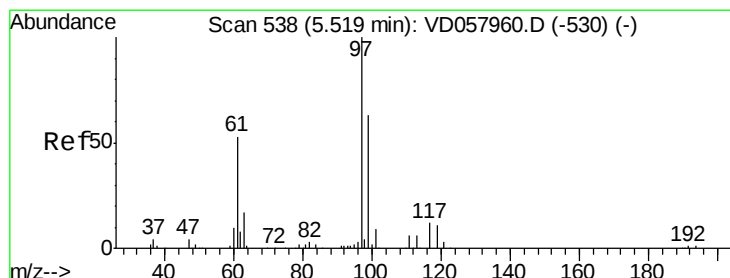
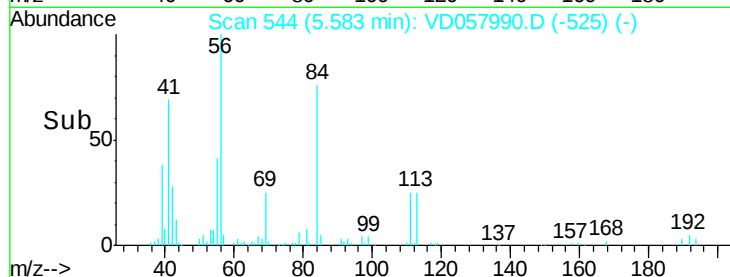
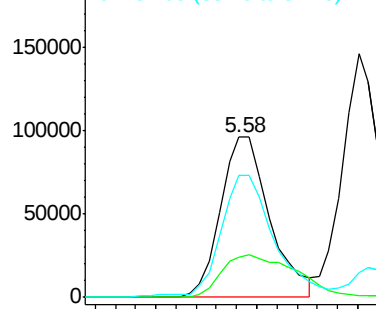
#31
Cyclohexane
Concen: 20.468 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 56 Resp: 326440
Ion Ratio Lower Upper
56 100
69 25.0 21.5 32.3
84 75.7 61.0 91.6

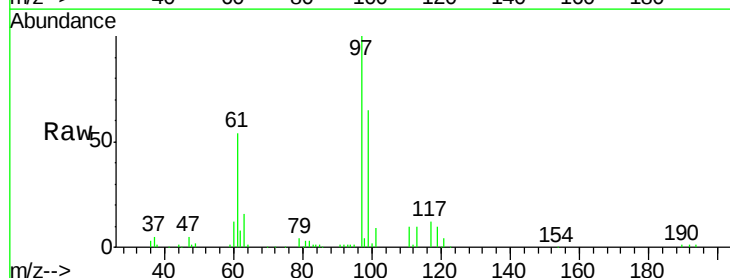


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

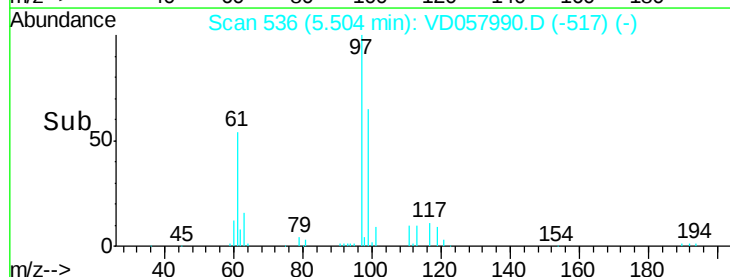
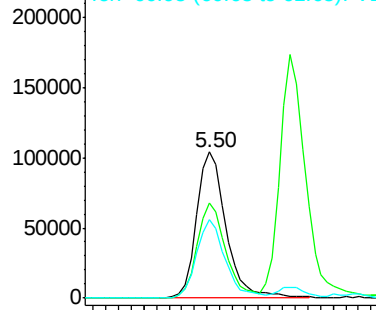


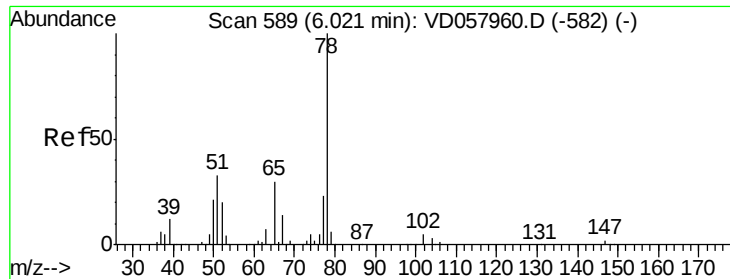
#32
1,1,1-Trichloroethane
Concen: 21.526 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 97 Resp: 335247
Ion Ratio Lower Upper
97 100
99 64.9 50.1 75.1
61 54.0 42.2 63.4



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

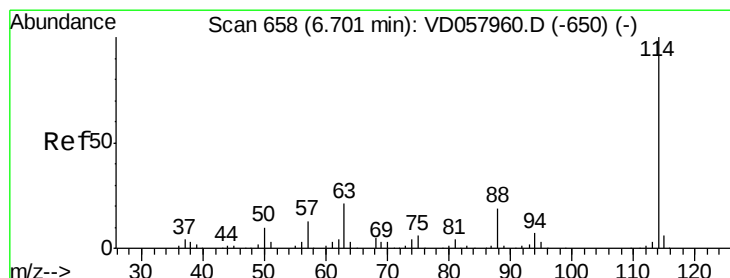
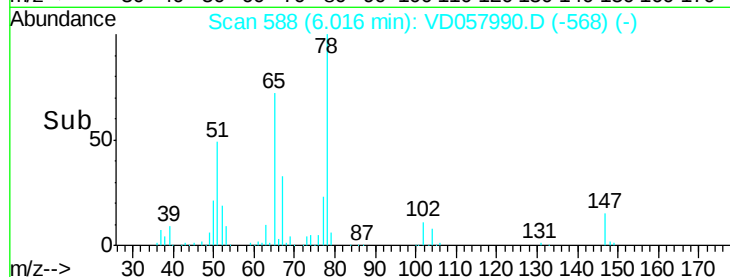
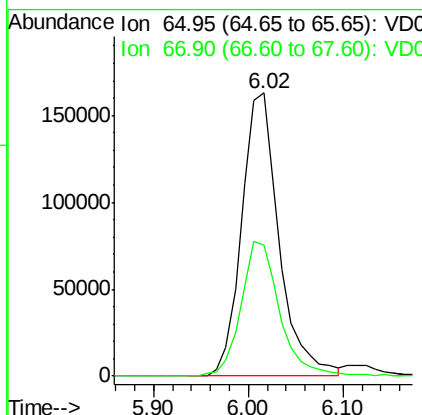
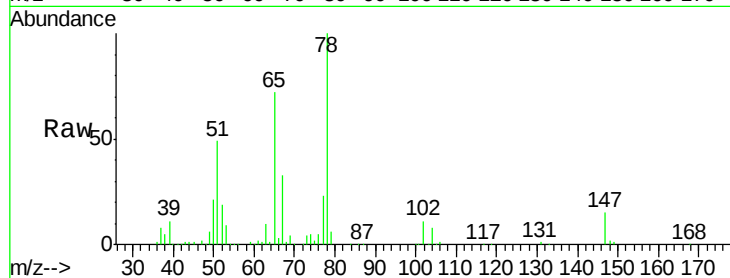




#33
 1,2-Dichloroethane-d4
 Concen: 21.526 ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

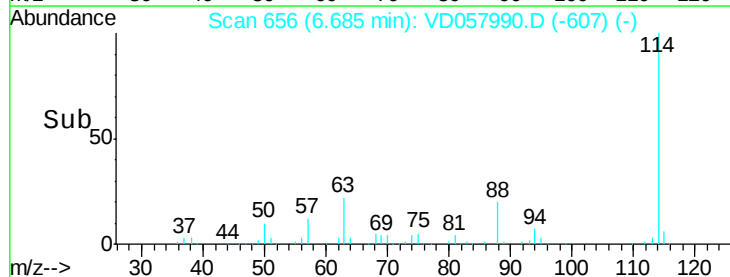
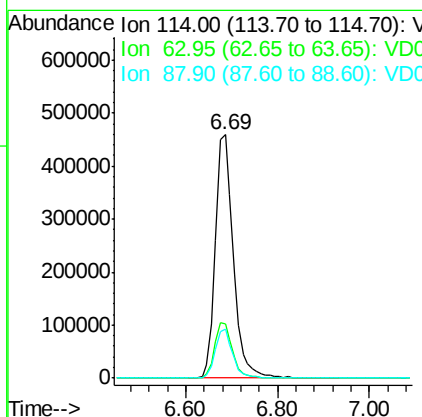
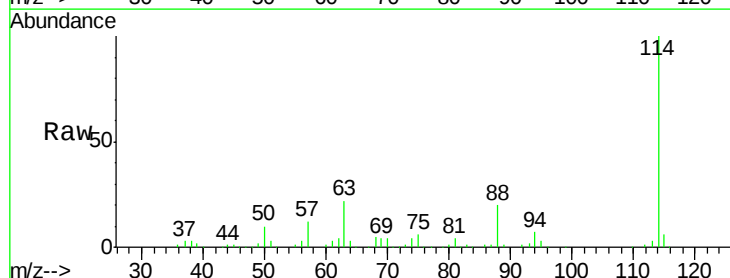
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

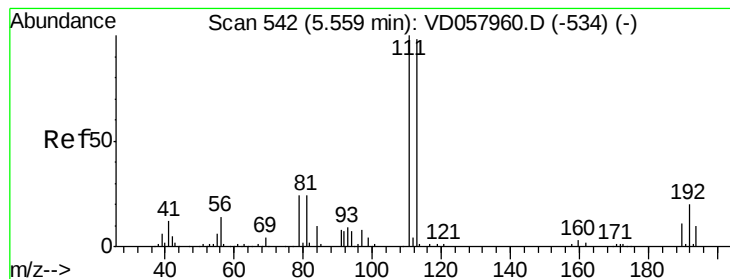
Tgt Ion: 65 Resp: 446707
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion: 114 Resp: 1232360
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.8
 88 20.2 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

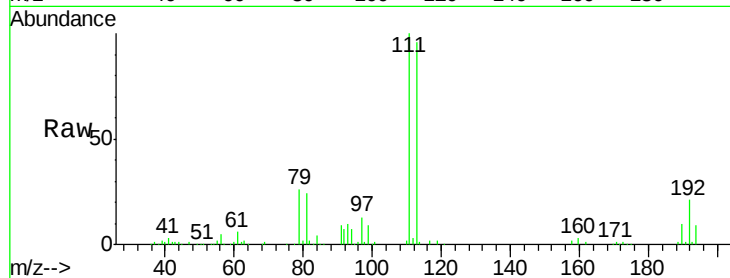
Tgt Ion:113 Resp: 473595

Ion Ratio Lower Upper

113 100

111 104.5 81.5 122.3

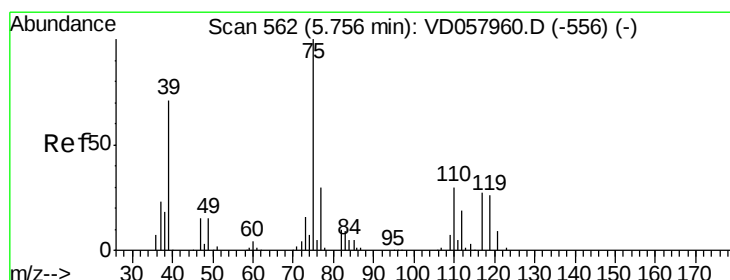
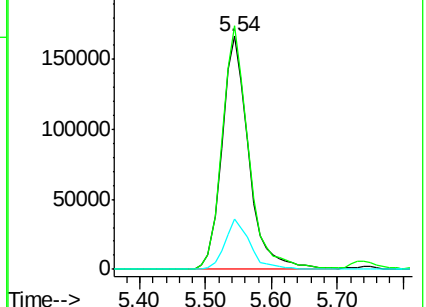
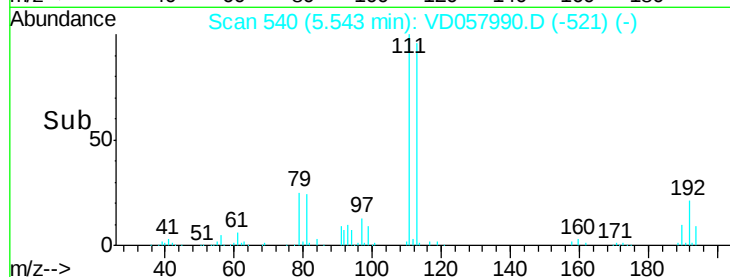
192 21.6 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.932 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

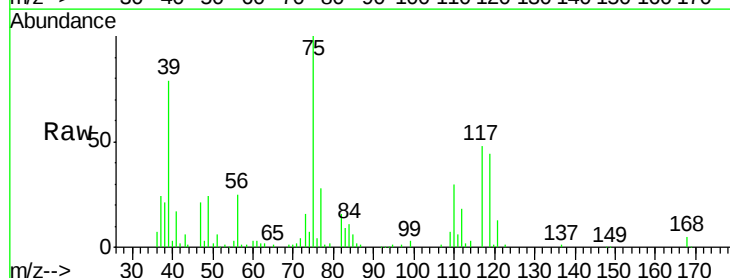
Tgt Ion: 75 Resp: 297781

Ion Ratio Lower Upper

75 100

110 29.5 14.8 44.3

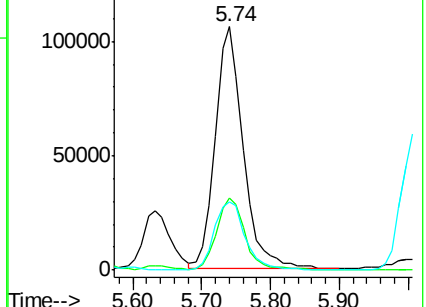
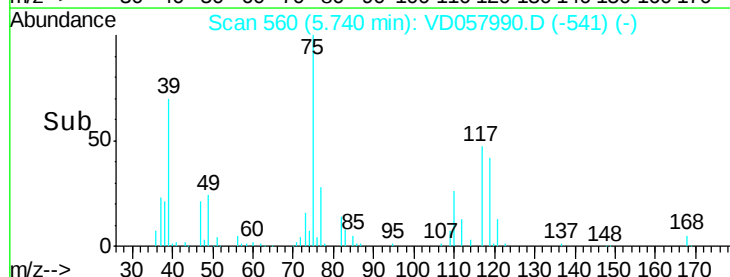
77 28.0 23.9 35.9

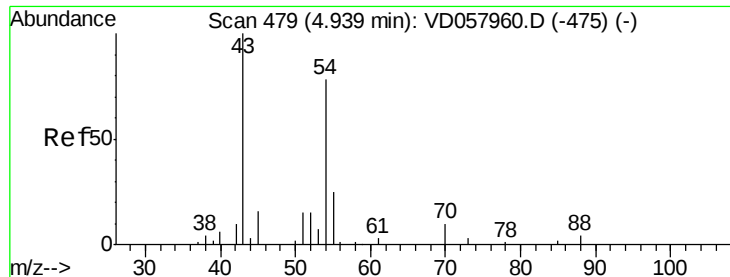


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

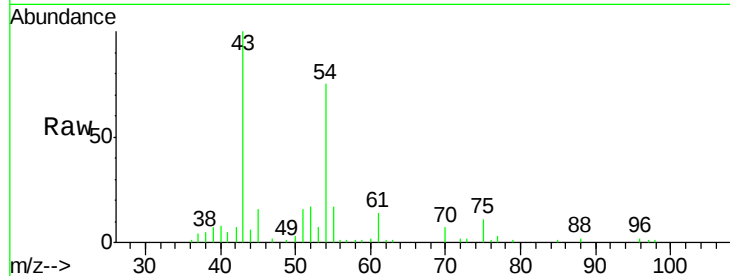




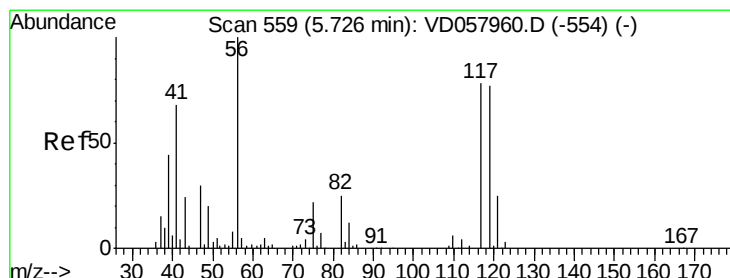
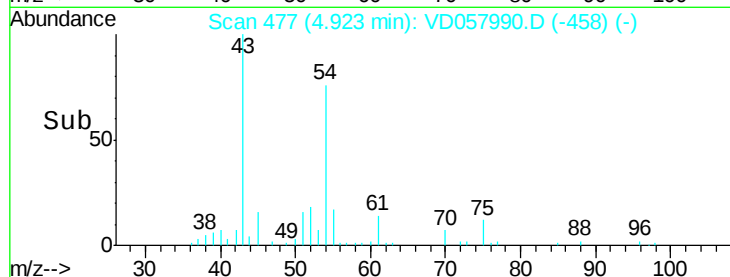
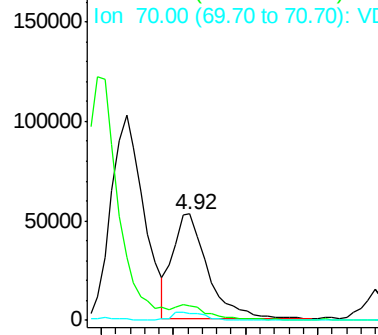
#37
Ethyl Acetate
Concen: 23.785 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 43 Resp: 176214
Ion Ratio Lower Upper
43 100
61 14.2 9.9 14.9
70 6.9 5.7 8.5

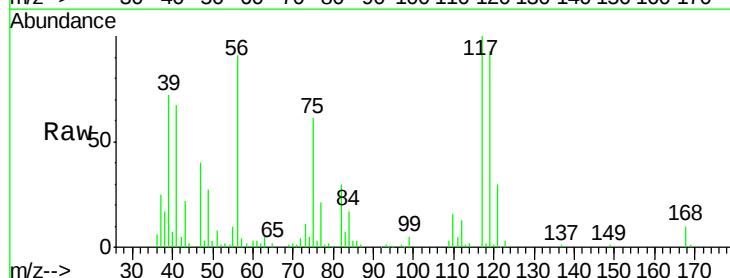


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

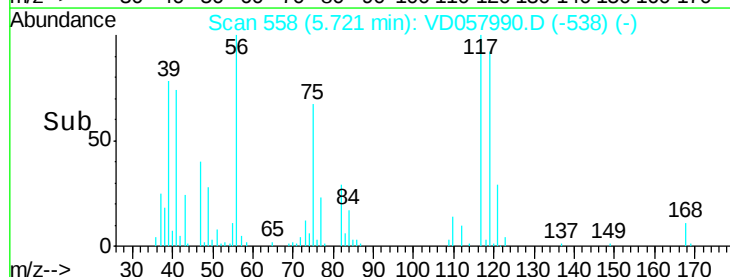
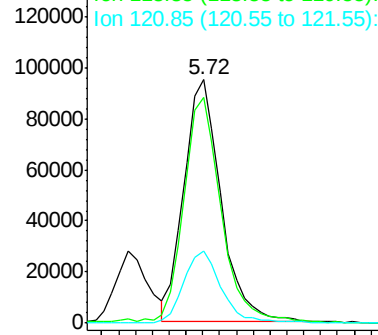


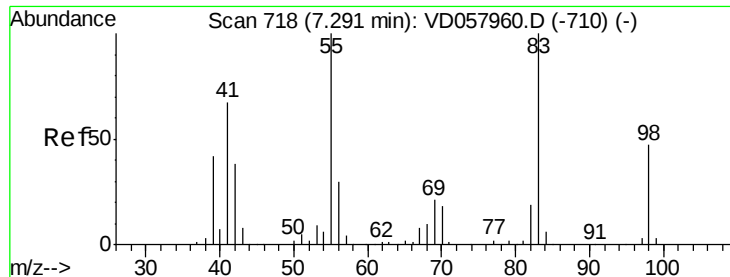
#38
Carbon Tetrachloride
Concen: 21.522 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 117 Resp: 287990
Ion Ratio Lower Upper
117 100
119 92.9 76.1 114.1
121 29.5 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

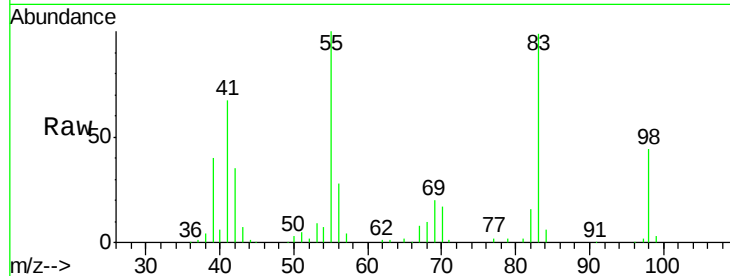




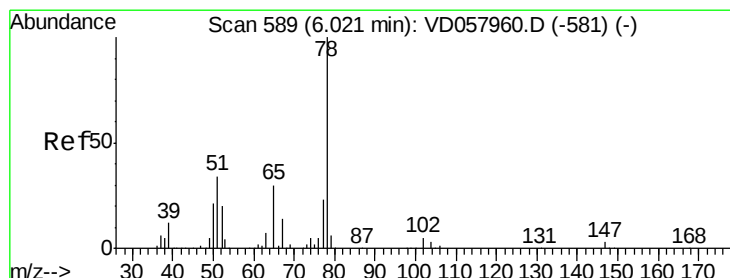
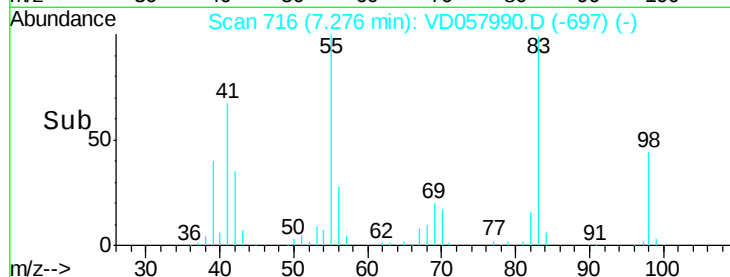
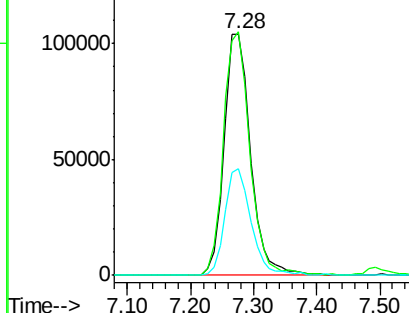
#39
Methylcyclohexane
Concen: 22.452 ug/l
RT: 7.28 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 83 Resp: 302193
Ion Ratio Lower Upper
83 100
55 101.0 80.3 120.5
98 44.5 38.0 57.0

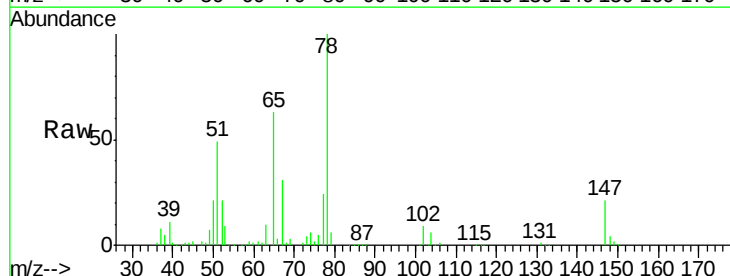


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

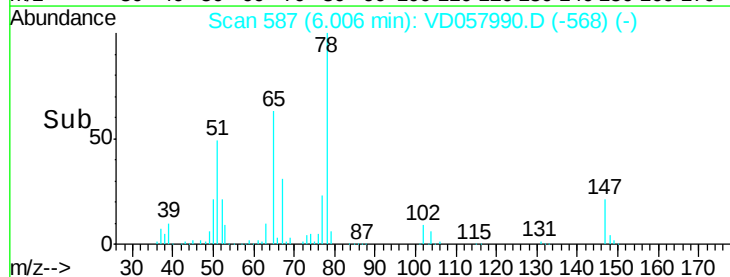
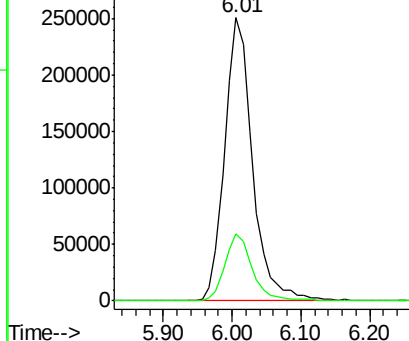


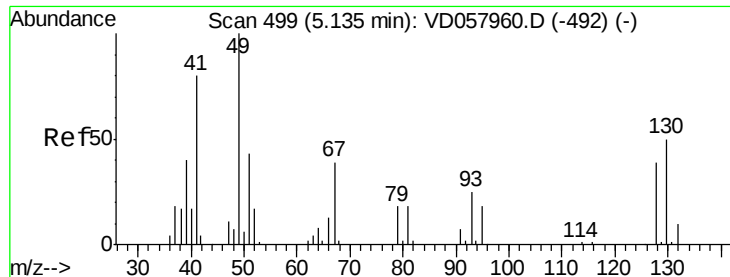
#40
Benzene
Concen: 22.076 ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 78 Resp: 700211
Ion Ratio Lower Upper
78 100
77 23.7 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

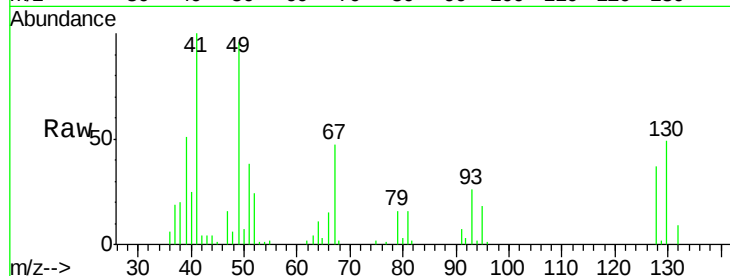




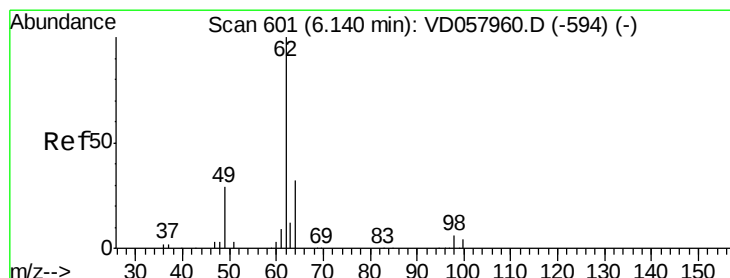
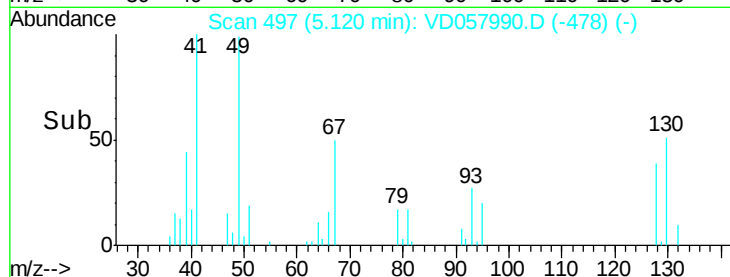
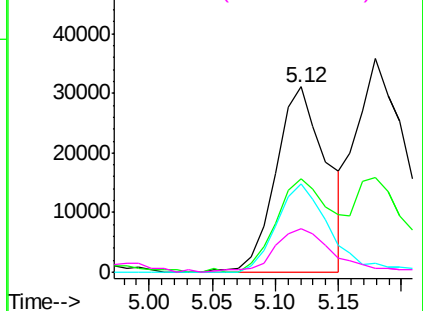
#41
Methacrylonitrile
Concen: 25.649 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 41 Resp: 86883
Ion Ratio Lower Upper
41 100
39 50.7 40.7 61.1
67 47.3 38.8 58.2
52 23.5 17.3 25.9

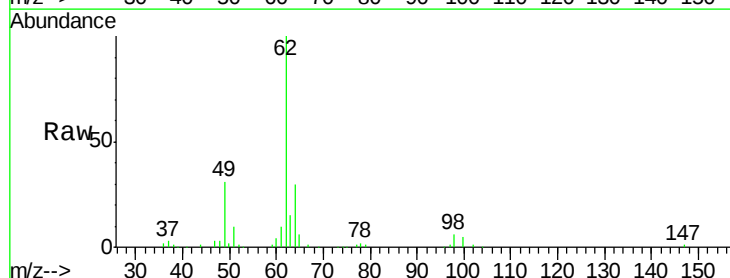


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

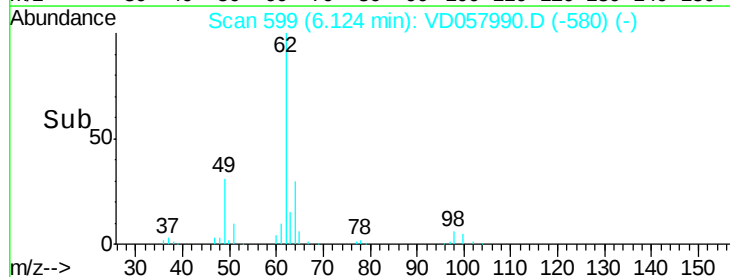
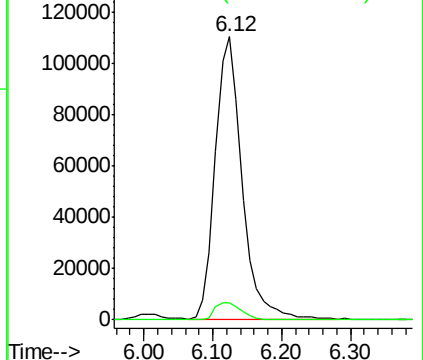


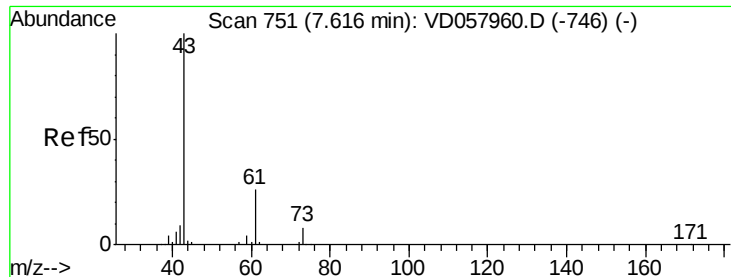
#42
1,2-Dichloroethane
Concen: 23.429 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 62 Resp: 300456
Ion Ratio Lower Upper
62 100
98 5.9 0.0 12.8



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





#43

Isopropyl Acetate

Concen: 23.019 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

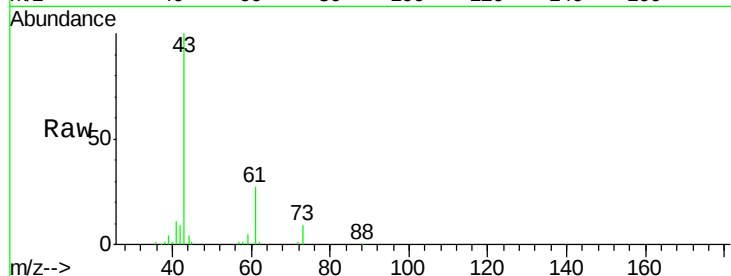
Tgt Ion: 43 Resp: 223379

Ion Ratio Lower Upper

43 100

61 27.2 20.6 30.8

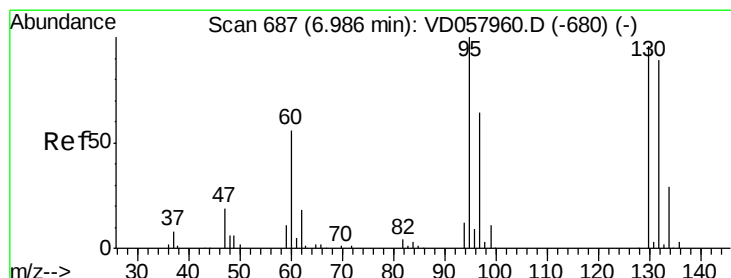
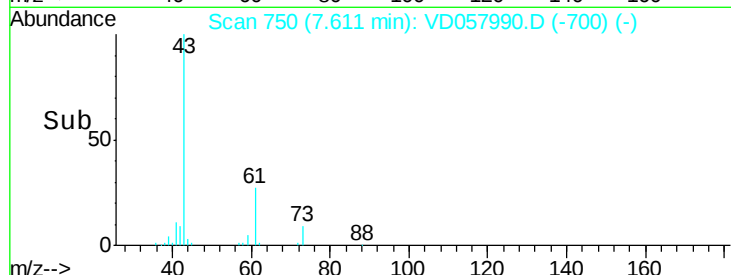
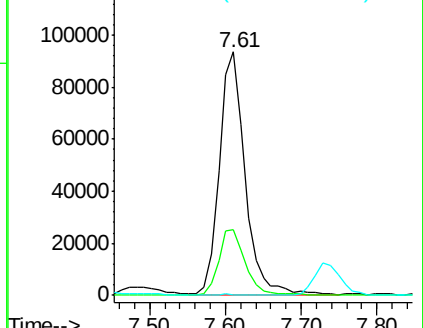
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.575 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.02 min

Lab File: VD057990.D

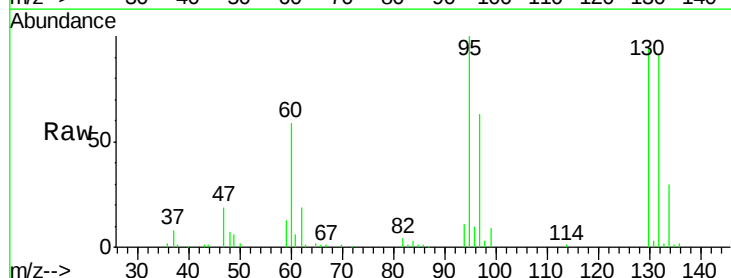
Acq: 8 Jun 2018 1:44

Tgt Ion:130 Resp: 209148

Ion Ratio Lower Upper

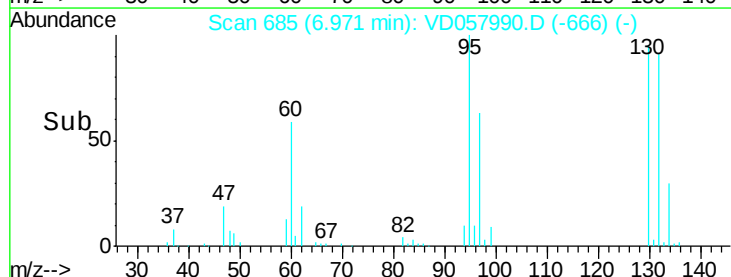
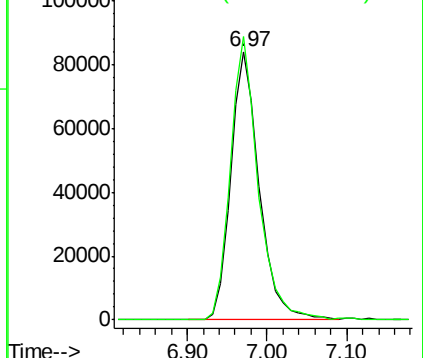
130 100

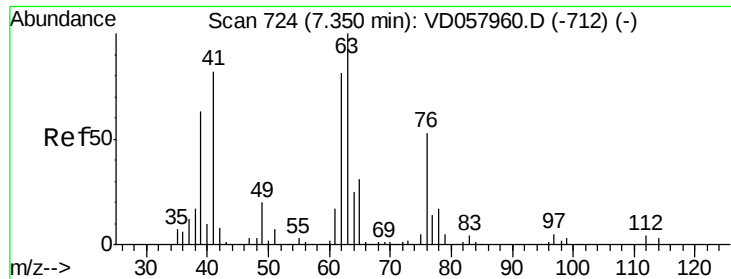
95 105.5 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.197 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

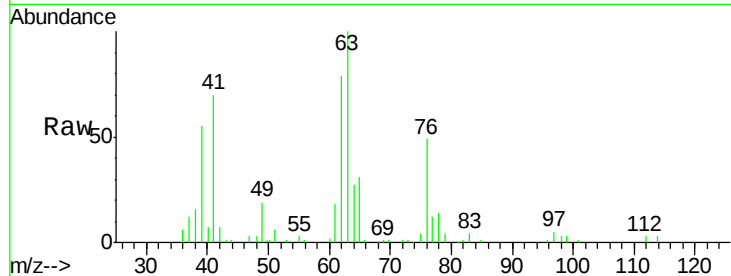
VD0607SBS02

Tgt Ion: 63 Resp: 204494

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

80000

60000

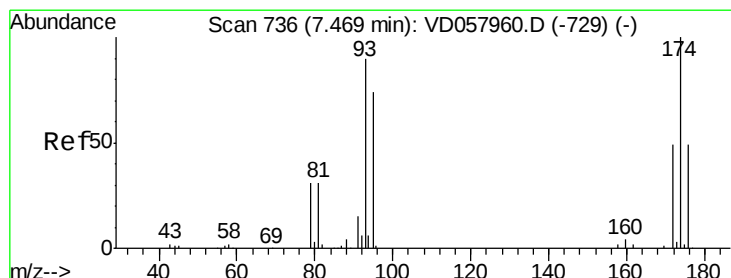
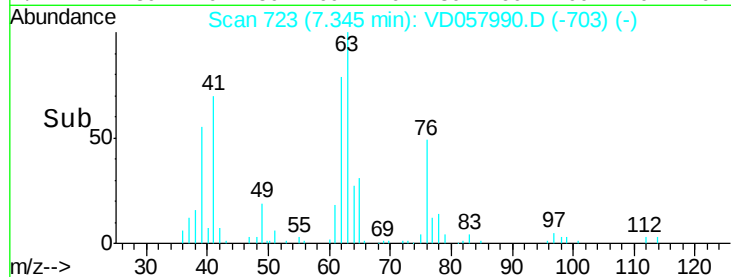
40000

20000

0

Time-->

7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 23.189 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

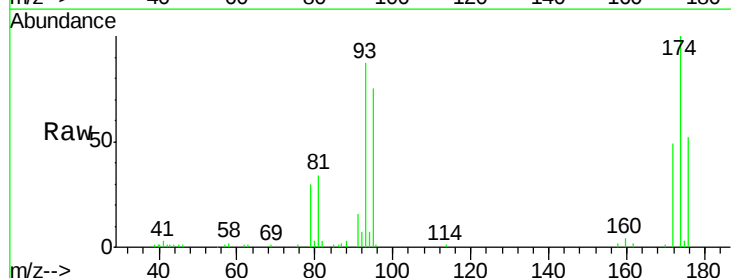
Tgt Ion: 93 Resp: 131316

Ion Ratio Lower Upper

93 100

95 85.8 65.7 98.5

174 114.8 89.0 133.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

80000

60000

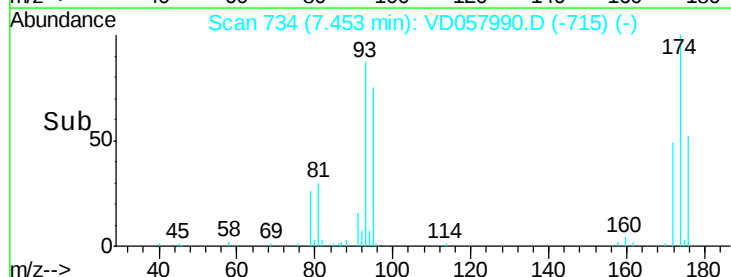
40000

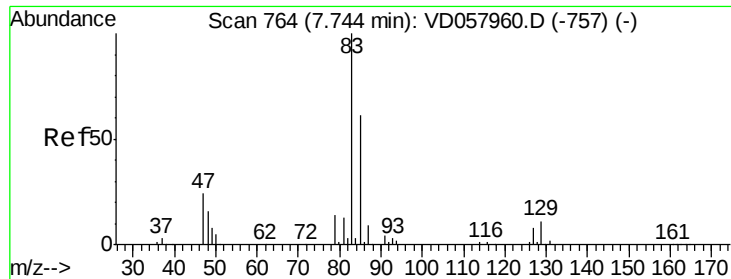
20000

0

Time-->

7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 22.961 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

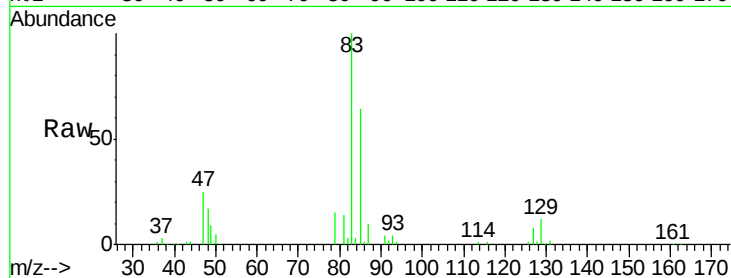
Tgt Ion: 83 Resp: 304441

Ion Ratio Lower Upper

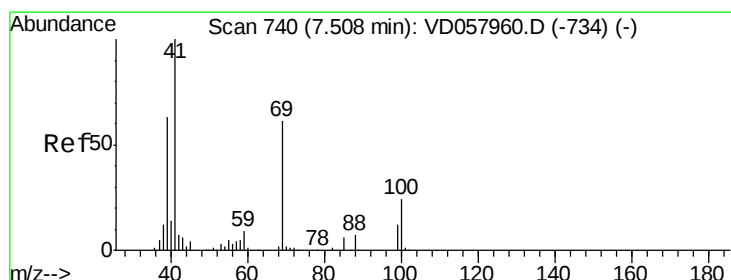
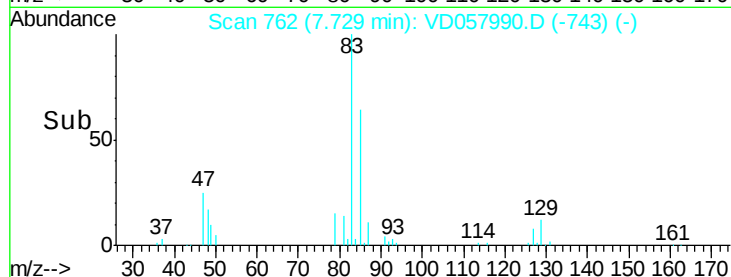
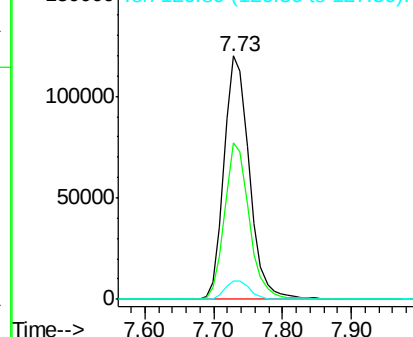
83 100

85 64.2 49.1 73.7

127 7.7 6.2 9.2



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



#48

Methyl methacrylate

Concen: 22.492 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

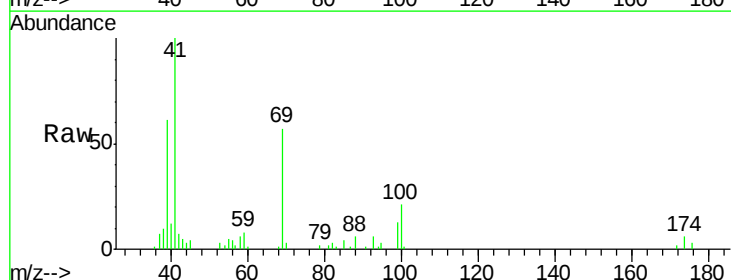
Tgt Ion: 41 Resp: 134339

Ion Ratio Lower Upper

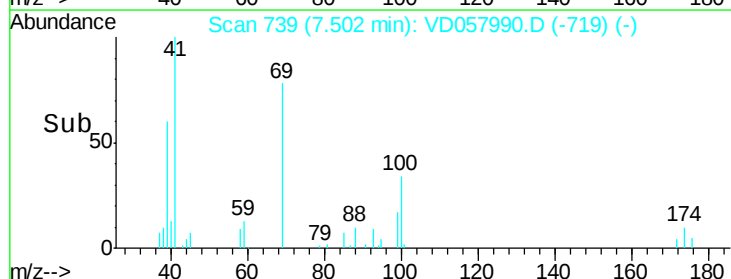
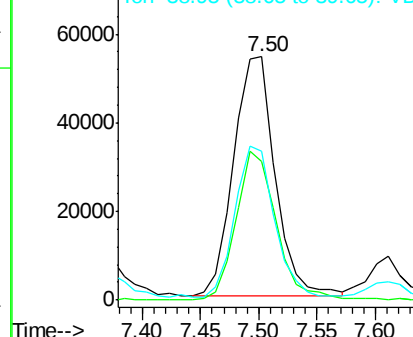
41 100

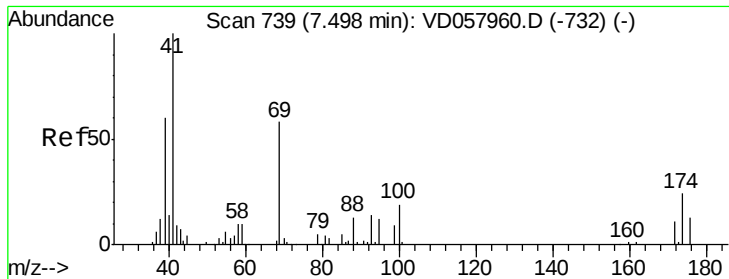
69 57.2 48.0 72.0

39 60.9 50.7 76.1



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





#49

1,4-Dioxane

Concen: 464.298 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

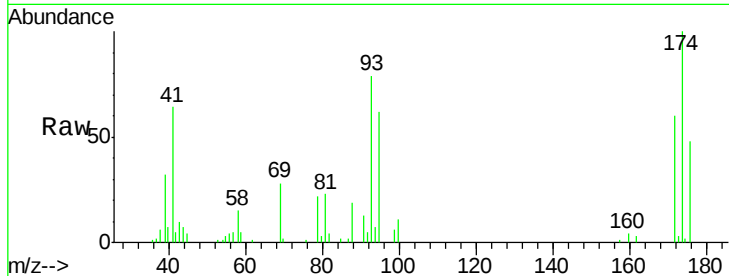
Tgt Ion: 88 Resp: 22973

Ion Ratio Lower Upper

88 100

43 56.1 46.6 69.8

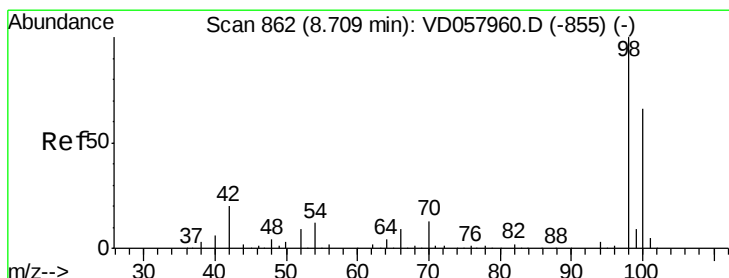
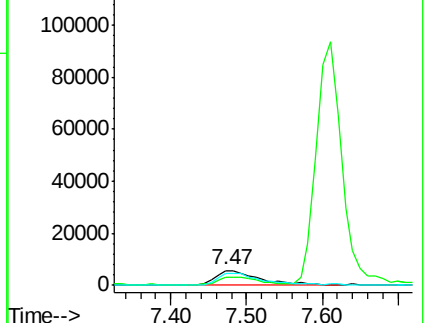
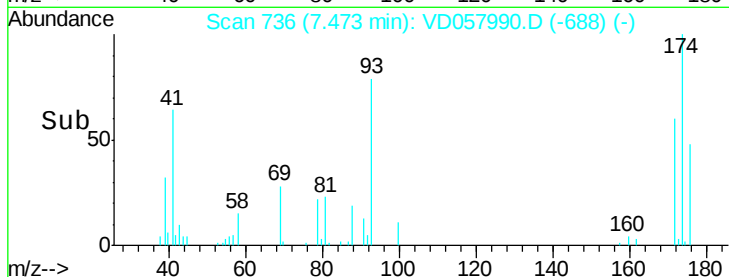
58 82.4 63.6 95.4



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: 464.298 ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD057990.D

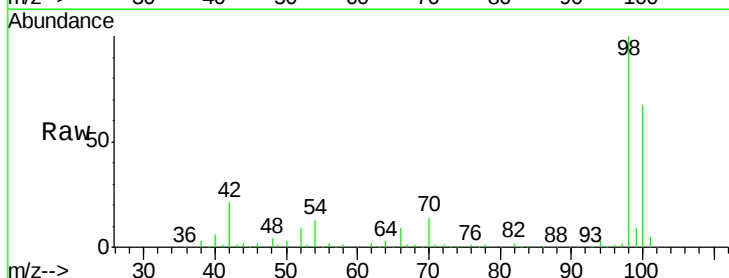
Acq: 8 Jun 2018 1:44

Tgt Ion: 98 Resp: 1058792

Ion Ratio Lower Upper

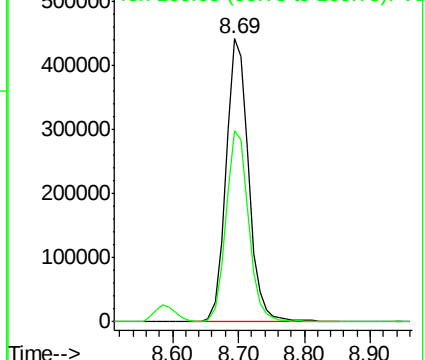
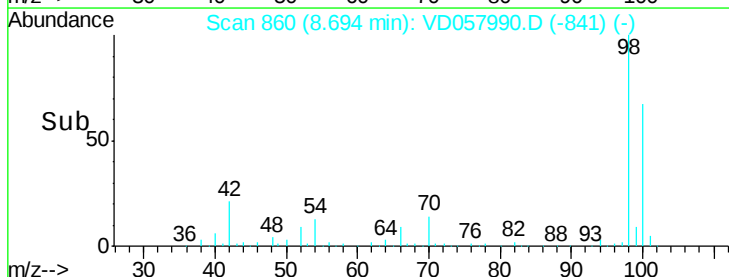
98 100

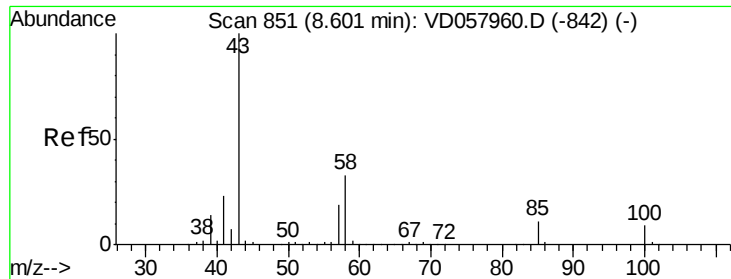
100 67.5 53.4 80.0



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: 119.368 ug/l

RT: 8.59 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

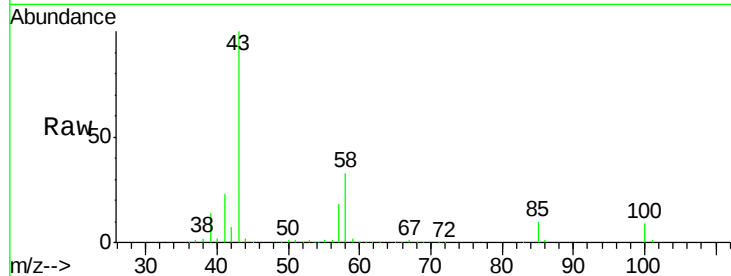
VD0607SBS02

Tgt Ion: 43 Resp: 742970

Ion Ratio Lower Upper

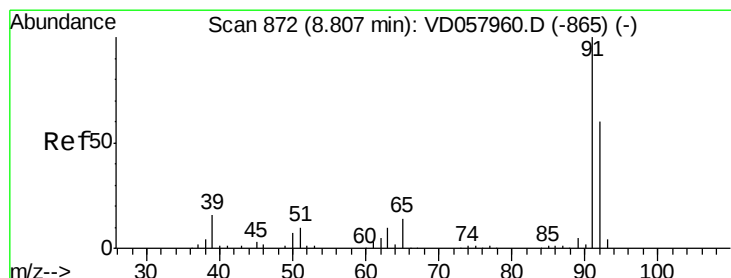
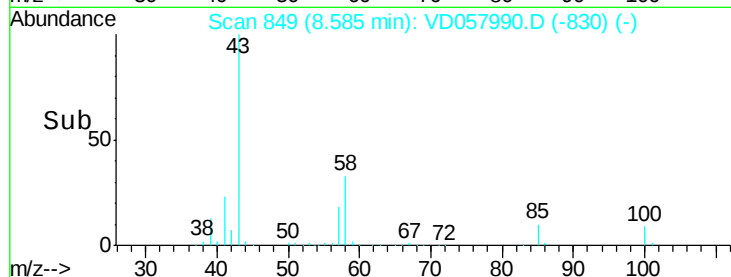
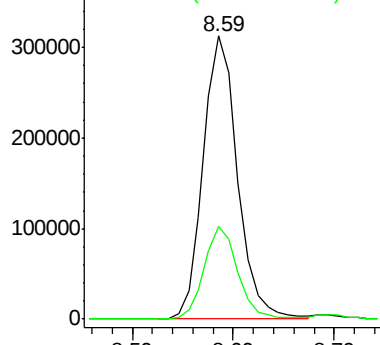
43 100

58 32.8 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.204 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD057990.D

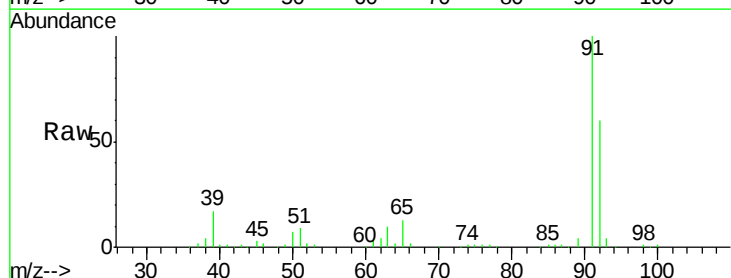
Acq: 8 Jun 2018 1:44

Tgt Ion: 92 Resp: 404175

Ion Ratio Lower Upper

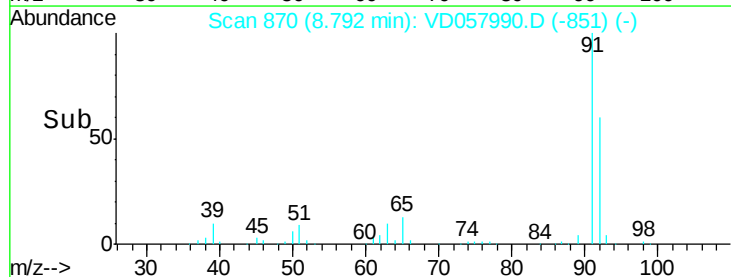
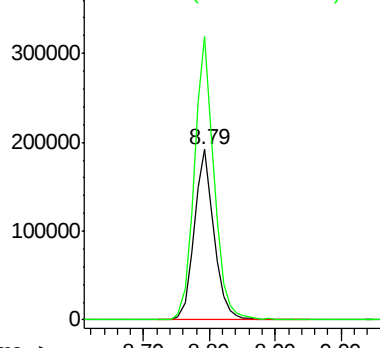
92 100

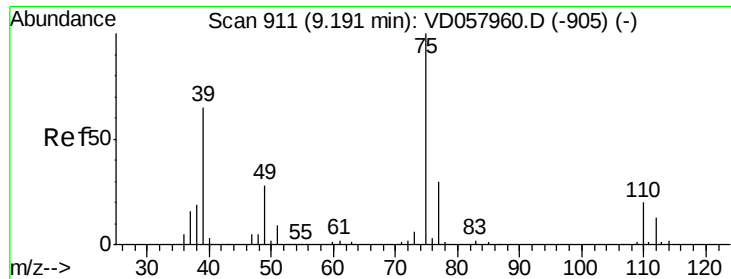
91 166.2 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

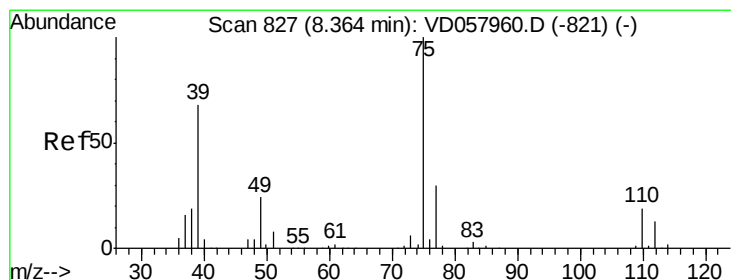
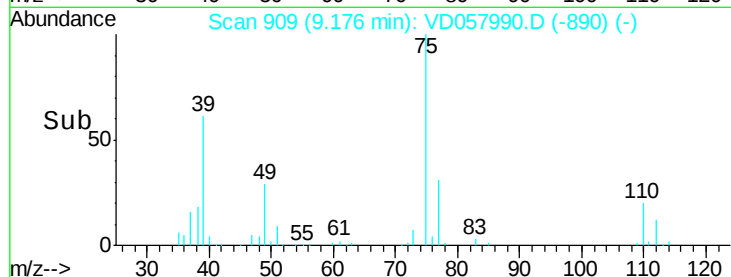
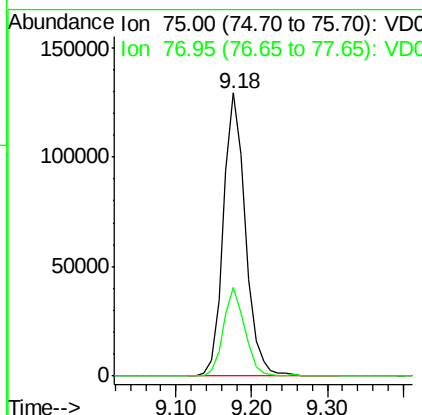
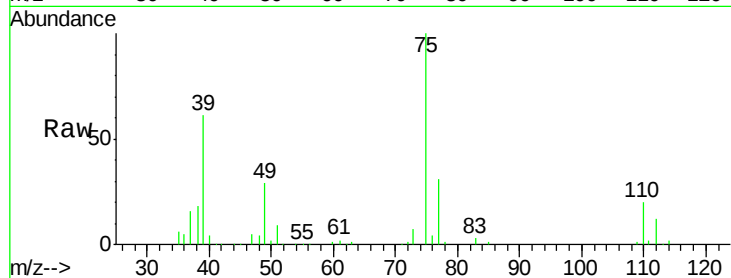




#53
t-1,3-Dichloropropene
Concen: 22.869 ug/l
RT: 9.18 min Scan# 909
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

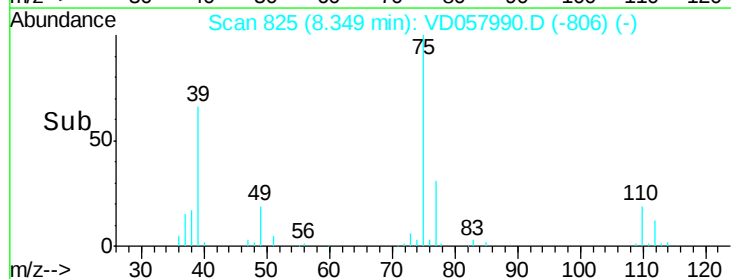
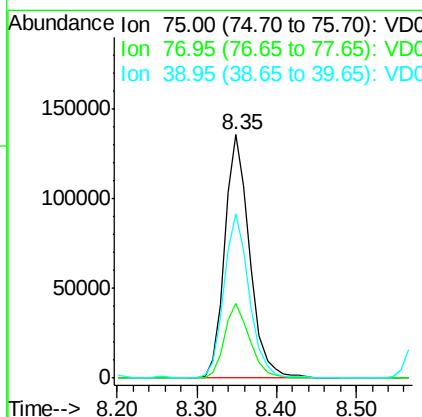
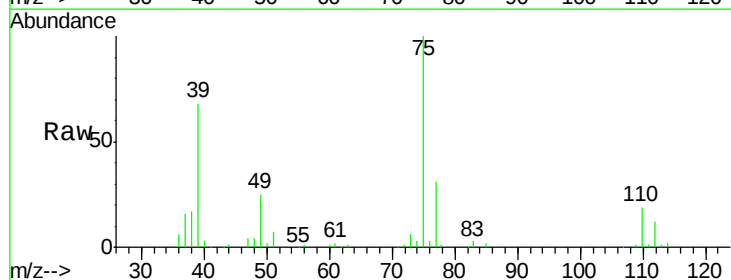
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

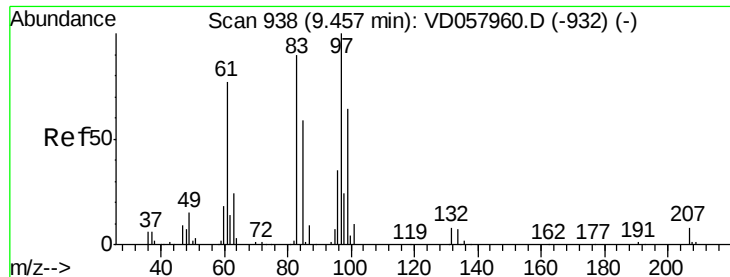
Tgt Ion: 75 Resp: 261242
Ion Ratio Lower Upper
75 100
77 31.4 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 22.179 ug/l
RT: 8.35 min Scan# 825
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 75 Resp: 298496
Ion Ratio Lower Upper
75 100
77 30.6 24.1 36.1
39 67.6 54.0 81.0

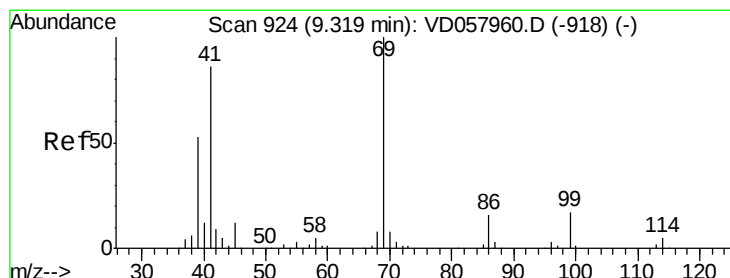
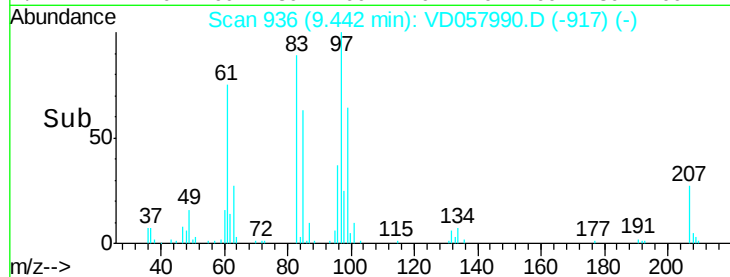
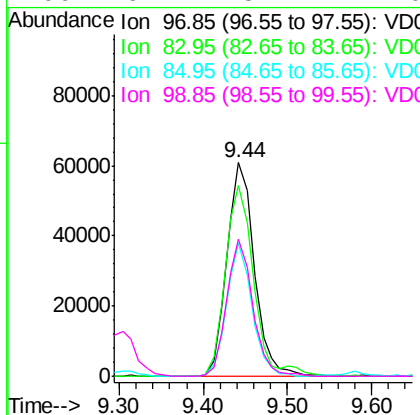
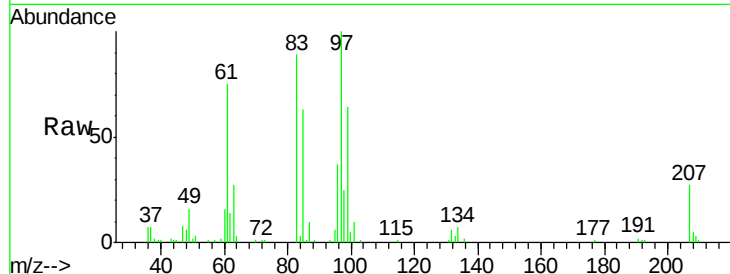




#55
 1,1,2-Trichloroethane
 Concen: 23.448 ug/l
 RT: 9.44 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

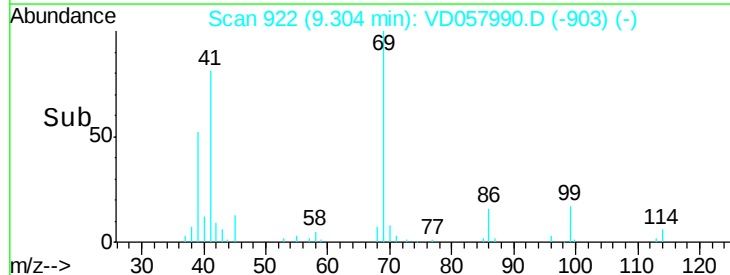
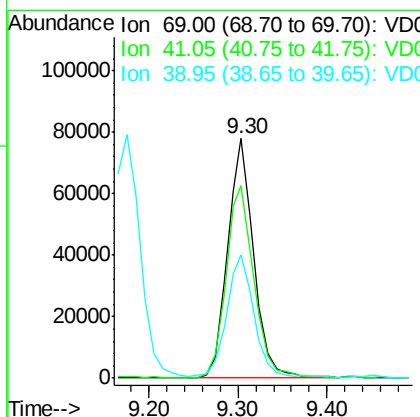
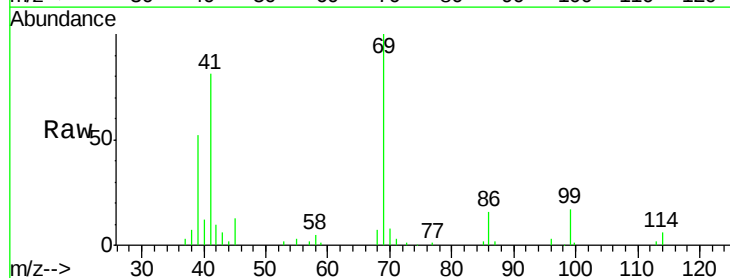
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

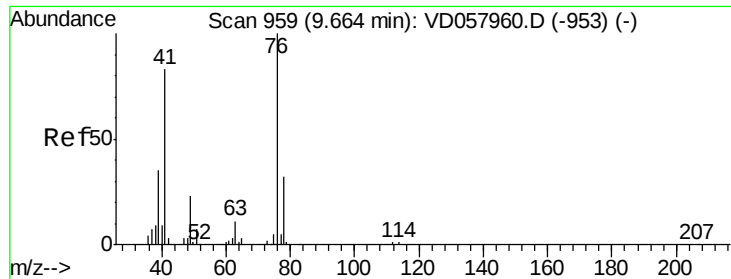
Tgt Ion: 97 Resp: 138140
 Ion Ratio Lower Upper
 97 100
 83 89.3 71.8 107.8
 85 62.5 47.2 70.8
 99 64.4 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 22.117 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion: 69 Resp: 159830
 Ion Ratio Lower Upper
 69 100
 41 80.6 68.4 102.6
 39 51.8 43.0 64.4





#57

1,3-Dichloropropane

Concen: 23.709 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

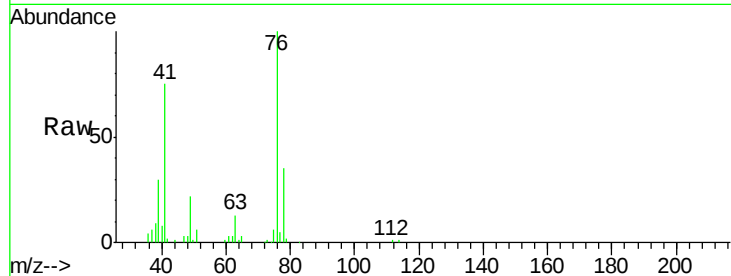
VD0607SBS02

Tgt Ion: 76 Resp: 244973

Ion Ratio Lower Upper

76 100

78 34.5 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

120000

100000

80000

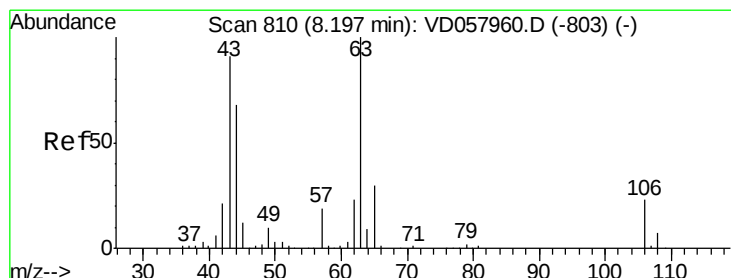
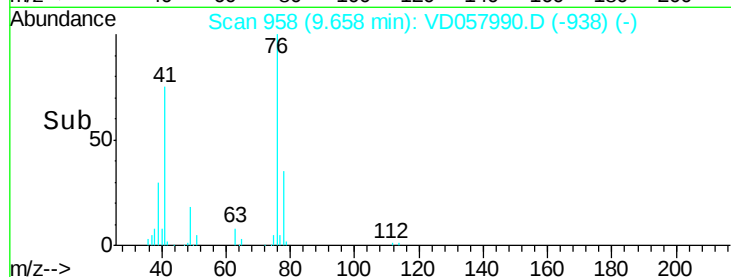
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 115.505 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD057990.D

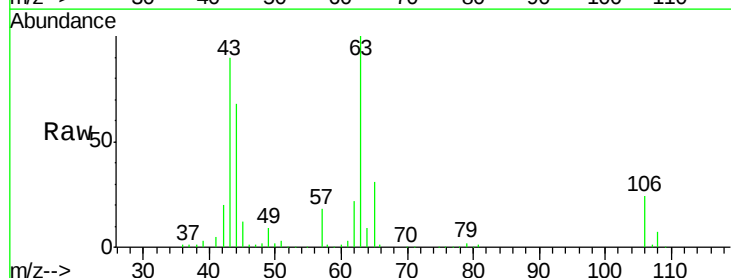
Acq: 8 Jun 2018 1:44

Tgt Ion: 63 Resp: 421715

Ion Ratio Lower Upper

63 100

106 24.1 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.18

200000

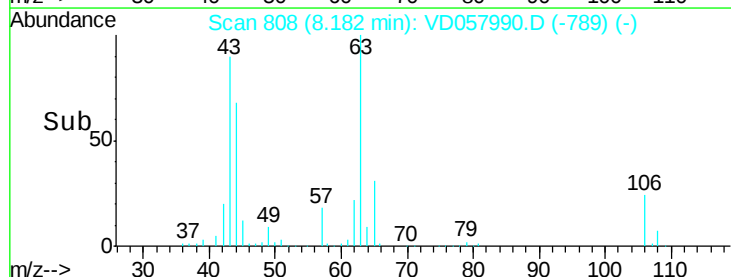
150000

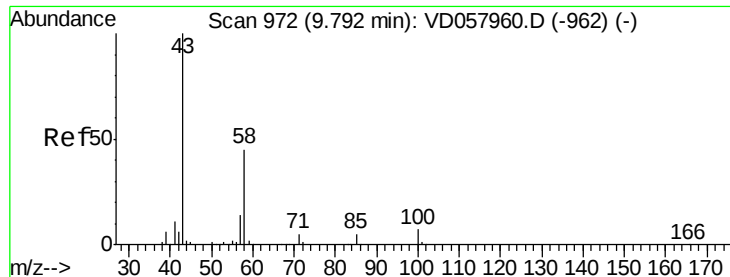
100000

50000

0

Time-->

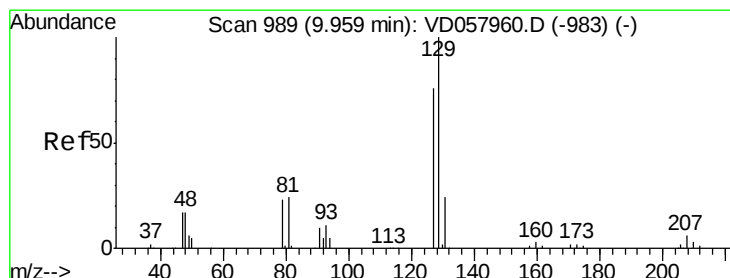
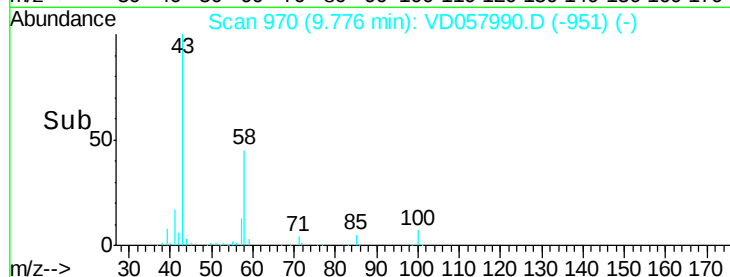
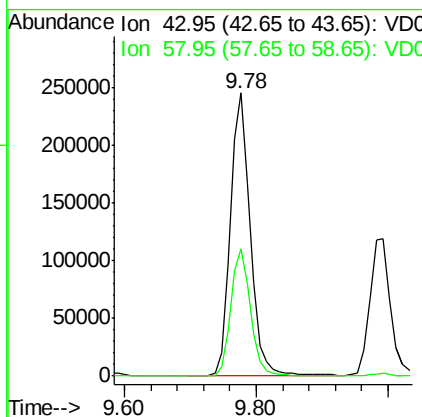
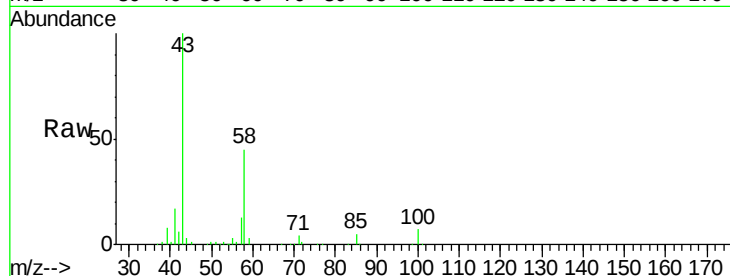




#59
2-Hexanone
Concen: 114.639 ug/l
RT: 9.78 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

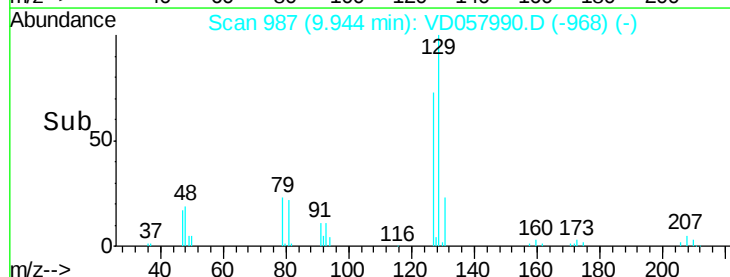
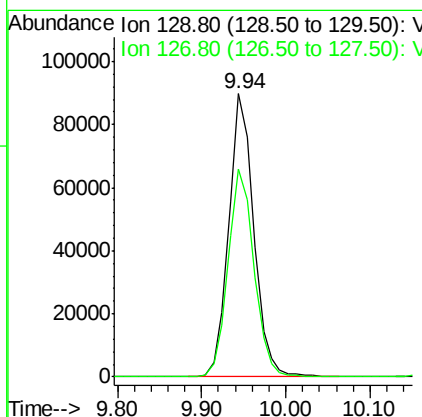
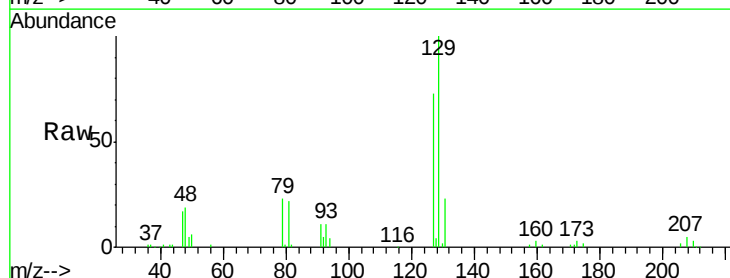
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

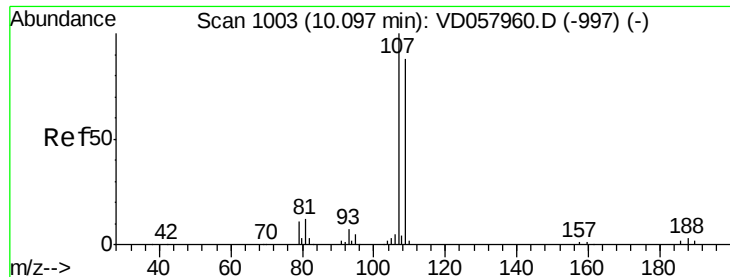
Tgt Ion: 43 Resp: 522906
Ion Ratio Lower Upper
43 100
58 44.9 22.5 67.5



#60
Dibromochloromethane
Concen: 22.338 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 129 Resp: 185571
Ion Ratio Lower Upper
129 100
127 73.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.777 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

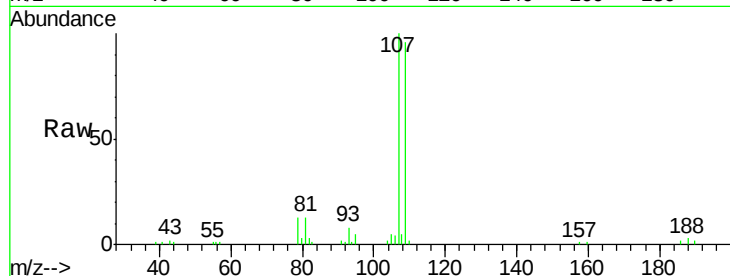
VD0607SBS02

Tgt Ion: 107 Resp: 147539

Ion Ratio Lower Upper

107 100

109 96.2 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

80000

60000

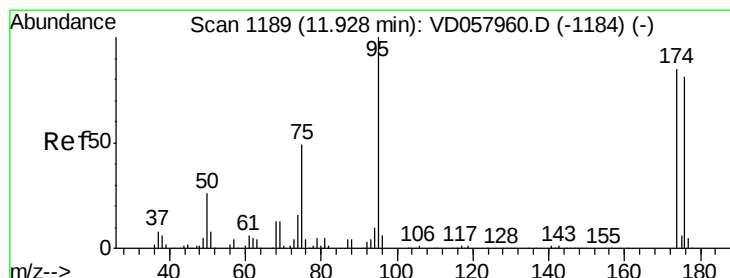
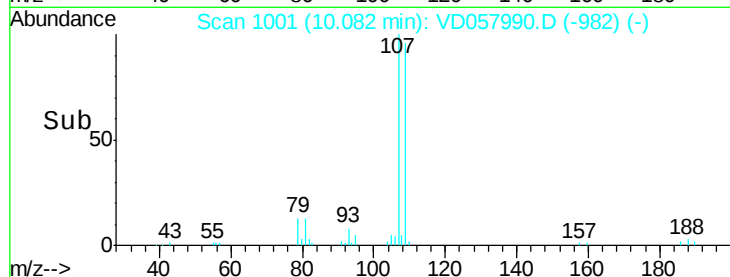
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 21.777 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

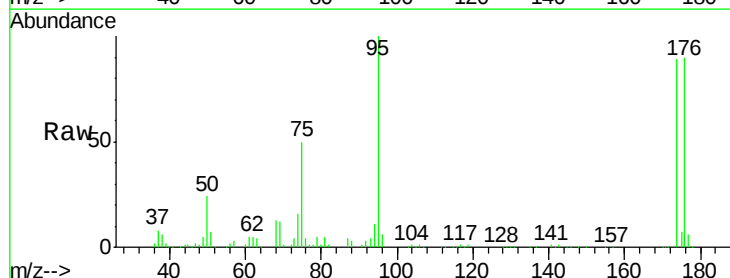
Tgt Ion: 95 Resp: 449858

Ion Ratio Lower Upper

95 100

174 88.8 0.0 169.4

176 89.8 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

400000

300000

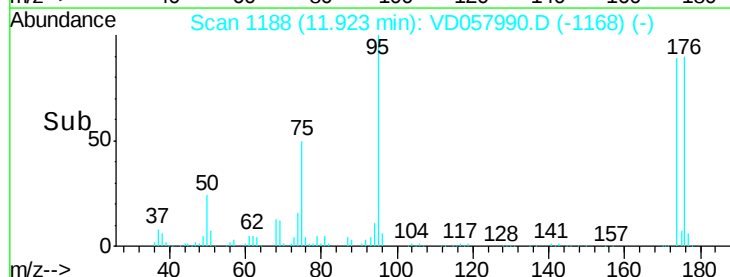
200000

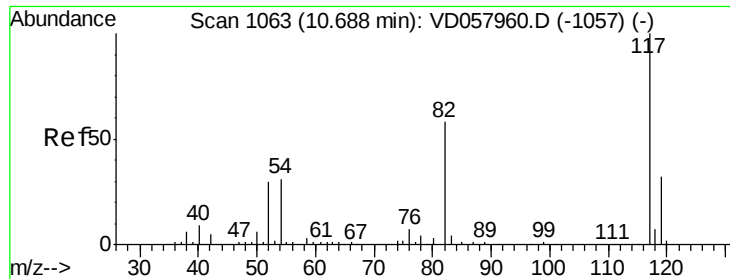
100000

0

Time-->

11.90 12.00

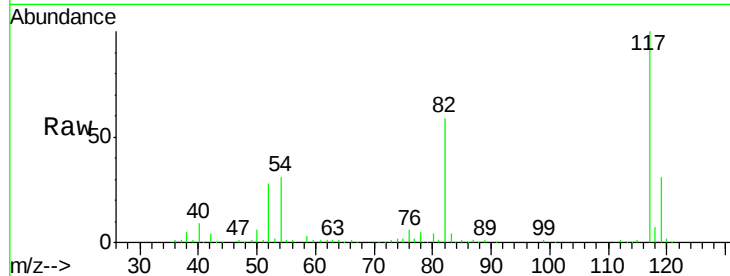




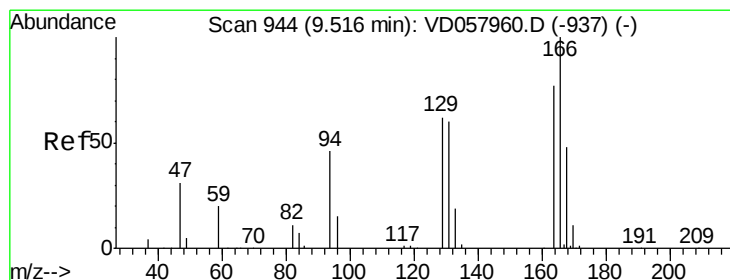
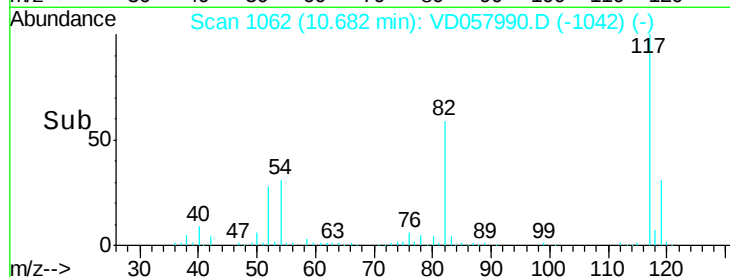
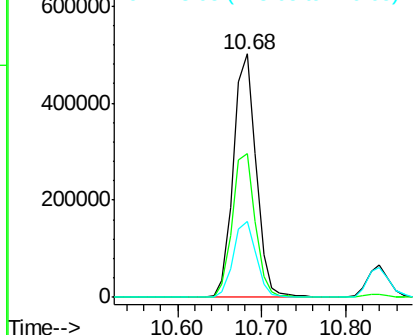
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion:117 Resp: 944527
Ion Ratio Lower Upper
117 100
82 59.0 46.8 70.2
119 31.0 25.8 38.6

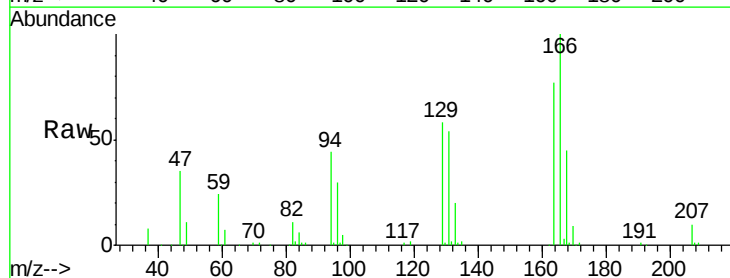


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

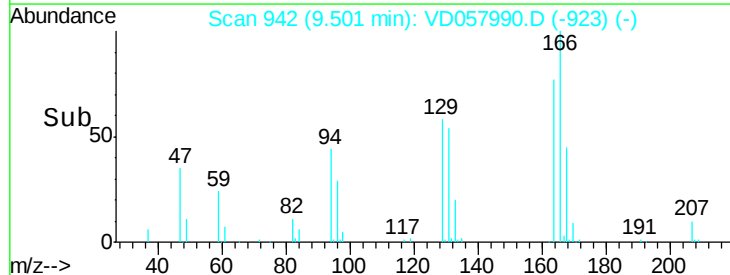
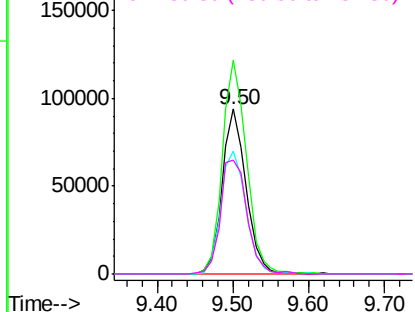


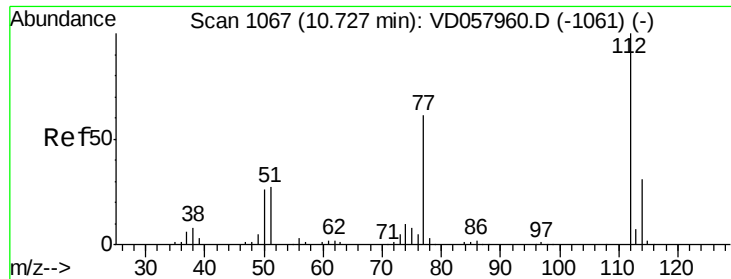
#64
Tetrachloroethene
Concen: 24.346 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion:164 Resp: 205580
Ion Ratio Lower Upper
164 100
166 129.8 104.4 156.6
129 74.8 65.0 97.6
131 69.5 62.9 94.3



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

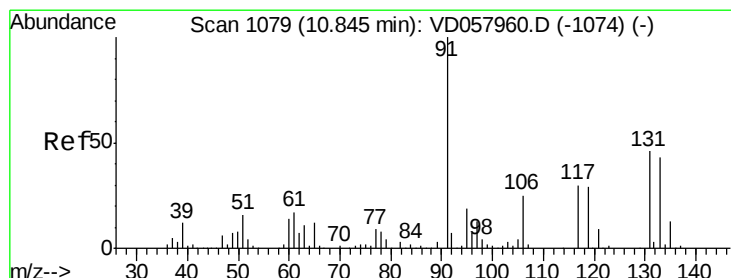
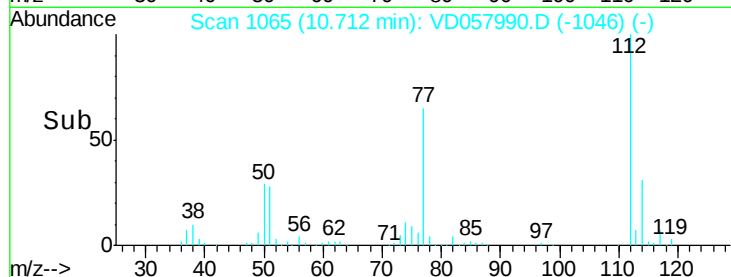
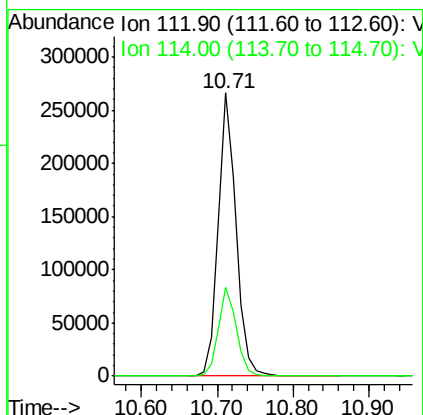
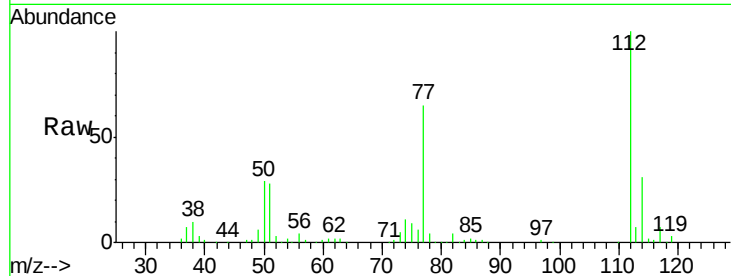




#65
Chlorobenzene
Concen: 23.274 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

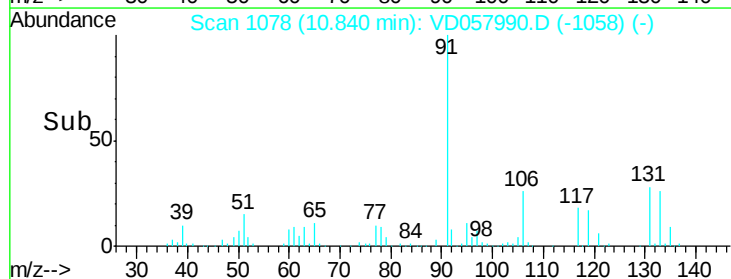
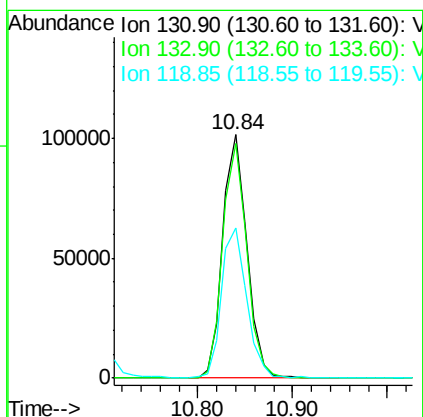
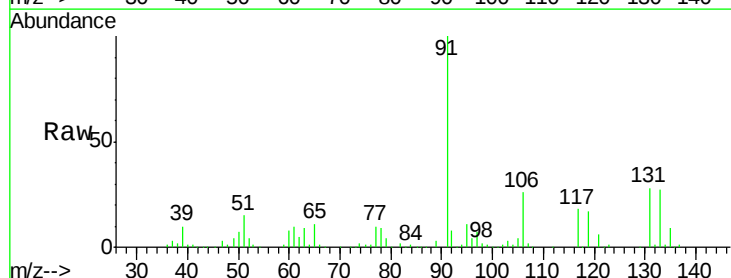
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

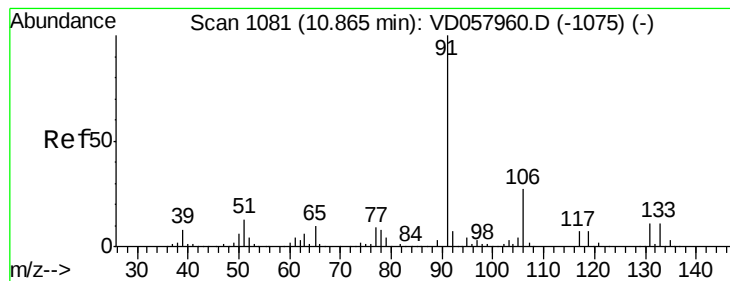
Tgt Ion:112 Resp: 445028
Ion Ratio Lower Upper
112 100
114 31.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 24.486 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion:131 Resp: 179883
Ion Ratio Lower Upper
131 100
133 96.3 46.9 140.6
119 61.6 31.8 95.3





#67

Ethyl Benzene

Concen: 24.407 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

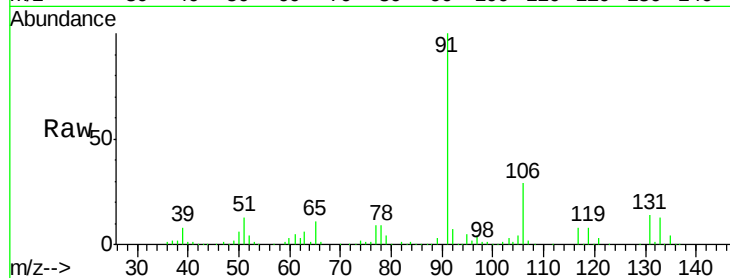
VD0607SBS02

Tgt Ion: 91 Resp: 843125

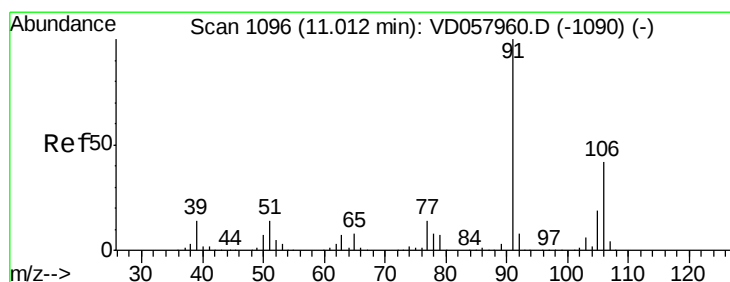
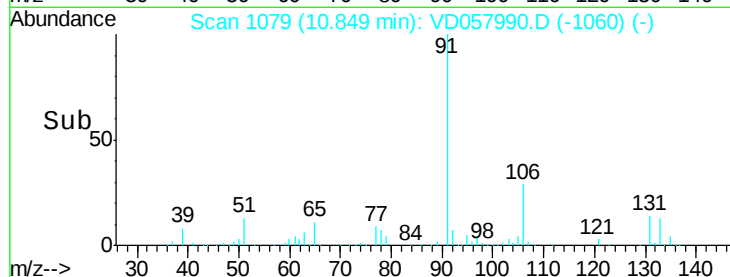
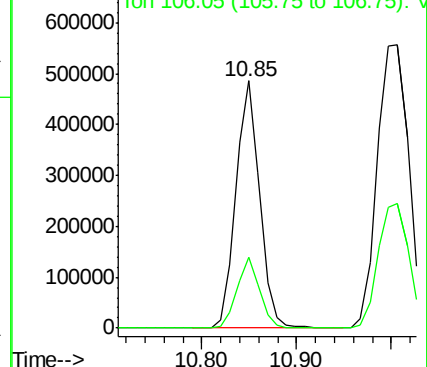
Ion Ratio Lower Upper

91 100

106 28.8 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 49.499 ug/l

RT: 11.01 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VD057990.D

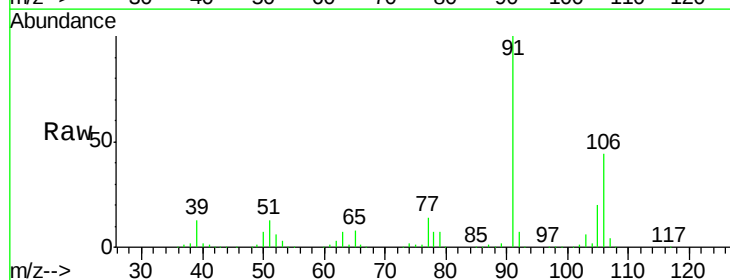
Acq: 8 Jun 2018 1:44

Tgt Ion: 106 Resp: 557438

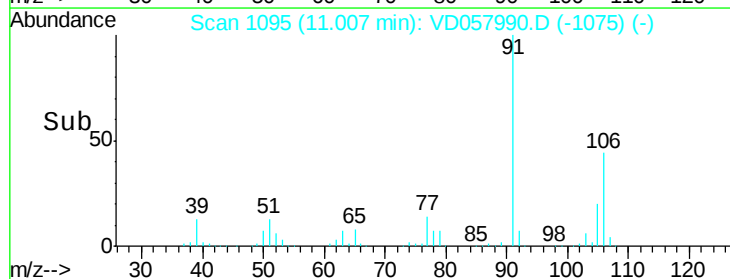
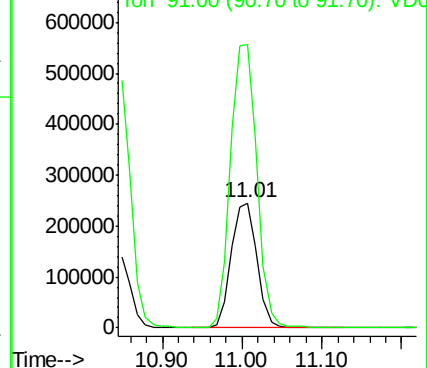
Ion Ratio Lower Upper

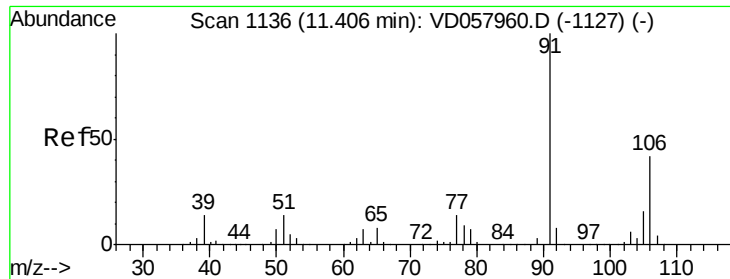
106 100

91 226.7 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

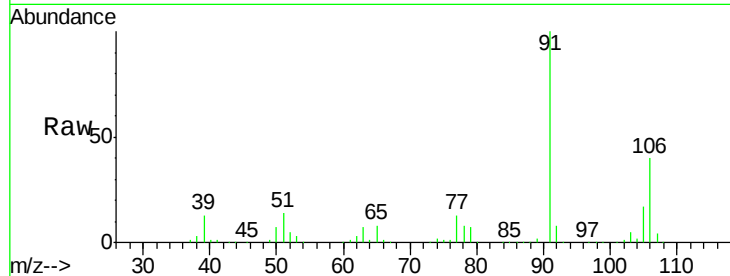




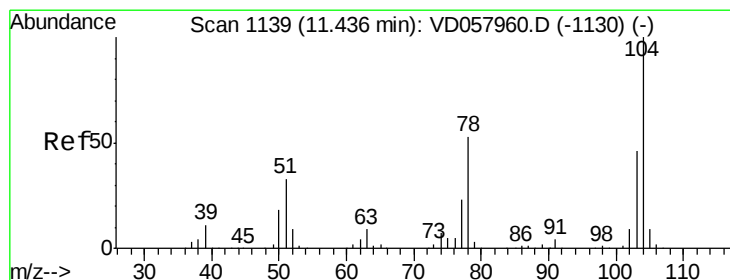
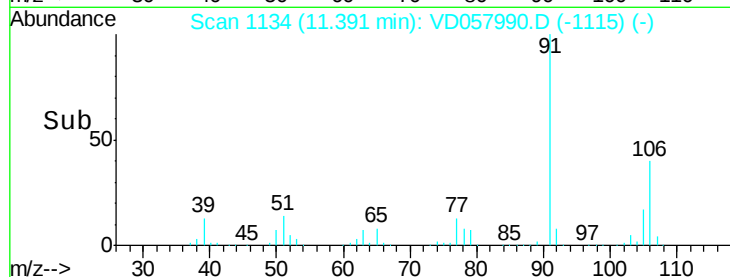
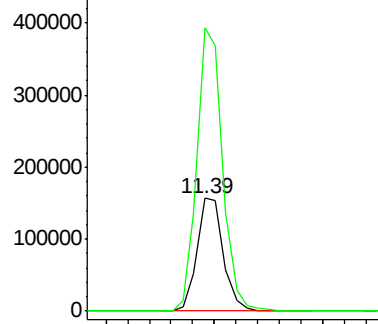
#69
o-Xylene
Concen: 23.693 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion:106 Resp: 264853
Ion Ratio Lower Upper
106 100
91 251.5 120.6 361.7

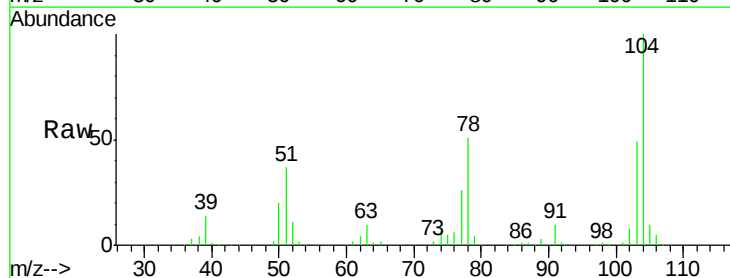


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

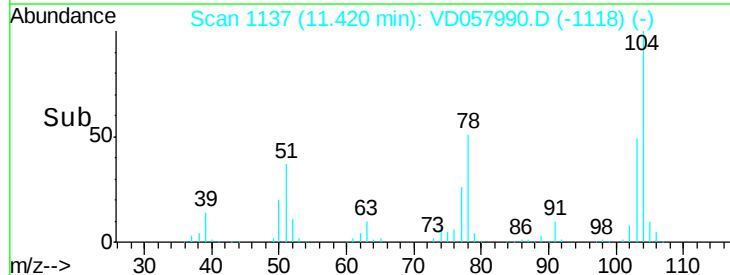
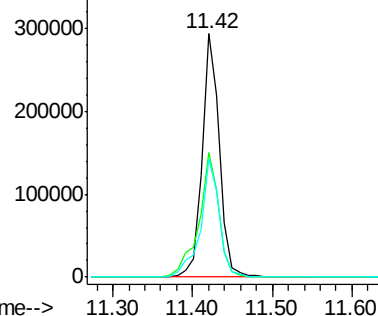


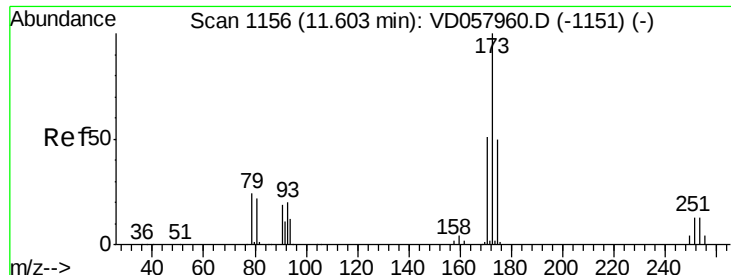
#70
Styrene
Concen: 24.274 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion:104 Resp: 449193
Ion Ratio Lower Upper
104 100
78 51.3 42.1 63.1
103 48.5 37.0 55.6



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

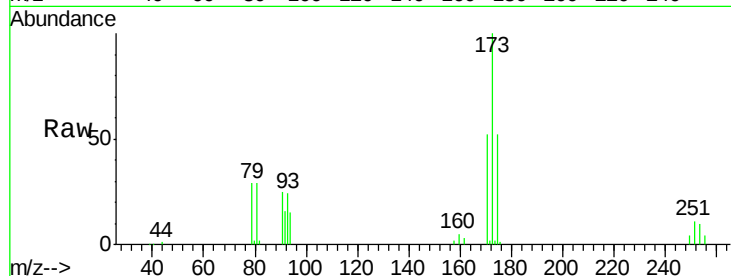




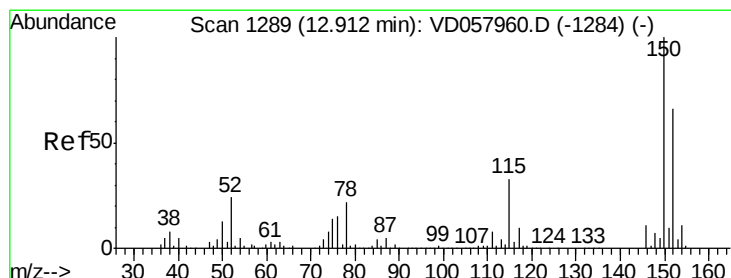
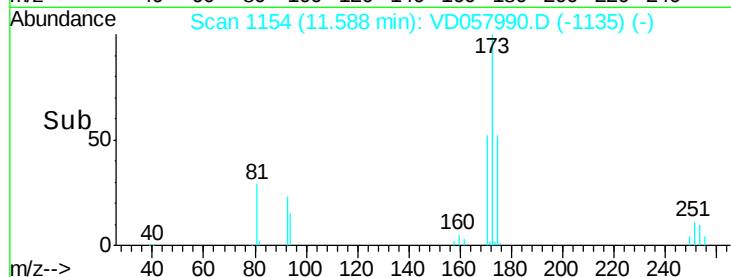
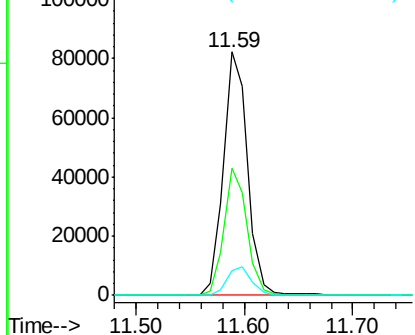
#71
Bromoform
Concen: 22.924 ug/l
RT: 11.59 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion:173 Resp: 126692
Ion Ratio Lower Upper
173 100
175 52.1 25.1 75.2
254 10.1 10.7 16.1#

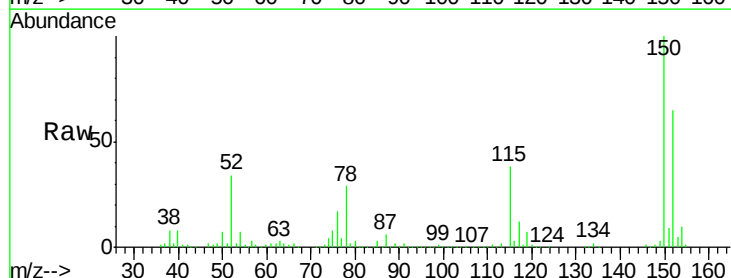


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

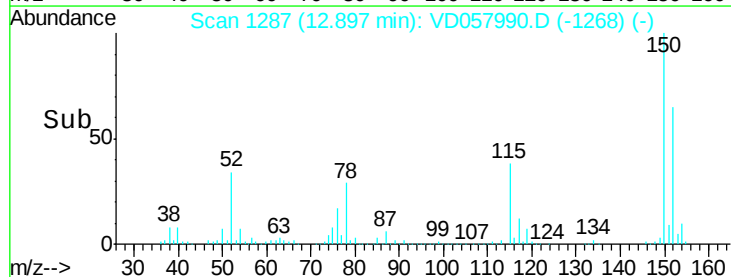
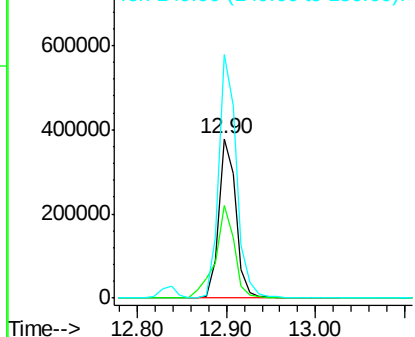


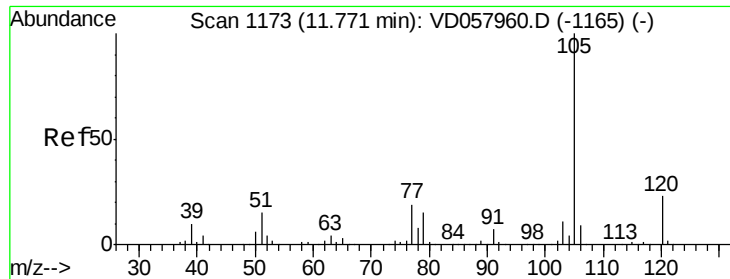
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion:152 Resp: 508181
Ion Ratio Lower Upper
152 100
115 58.4 25.6 76.6
150 153.0 0.0 306.8



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: 22.555 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

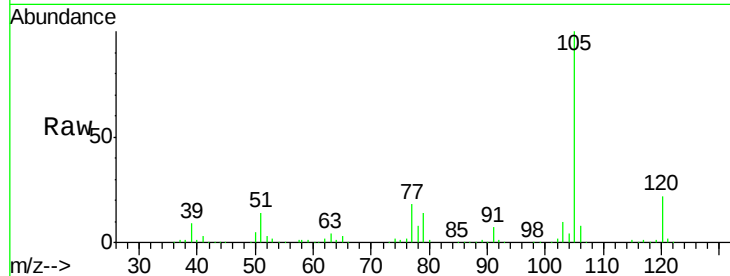
VD0607SBS02

Tgt Ion: 105 Resp: 759207

Ion Ratio Lower Upper

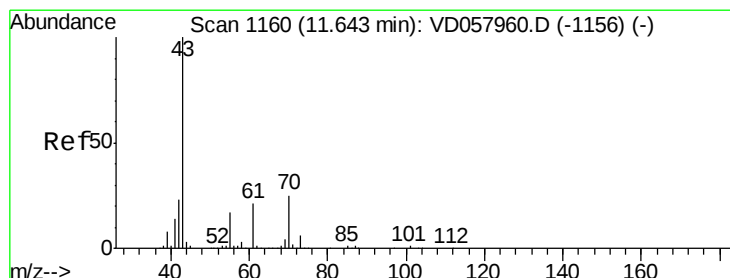
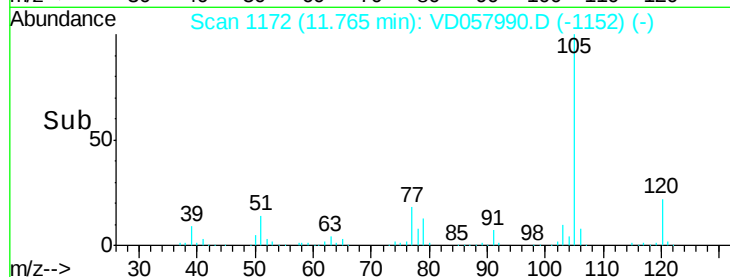
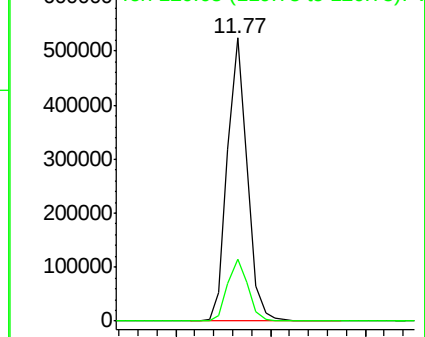
105 100

120 22.1 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.799 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Tgt Ion: 43 Resp: 296119

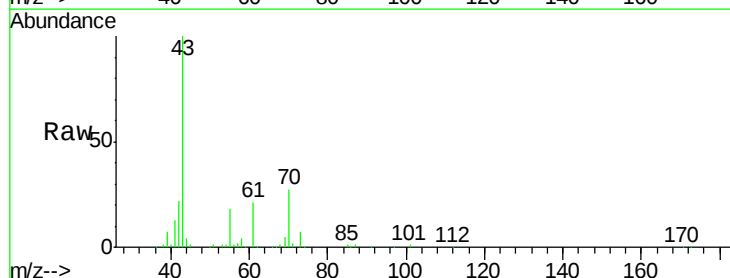
Ion Ratio Lower Upper

43 100

70 26.8 20.3 30.5

55 18.0 13.9 20.9

61 21.3 16.6 24.8

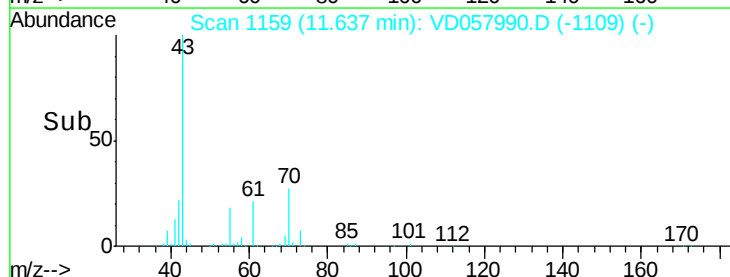
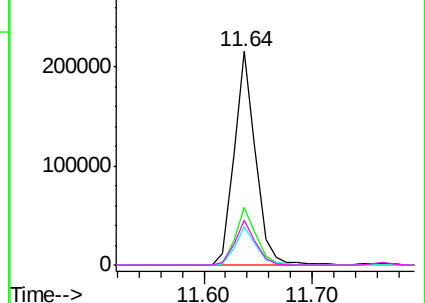


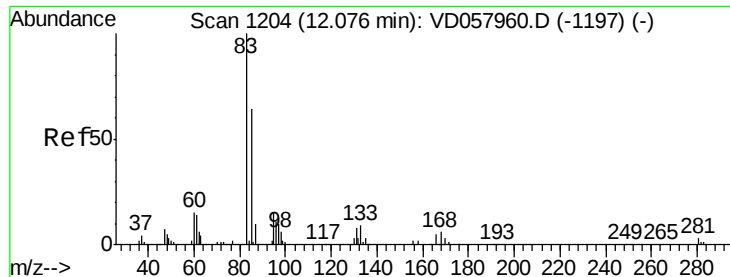
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 22.383 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

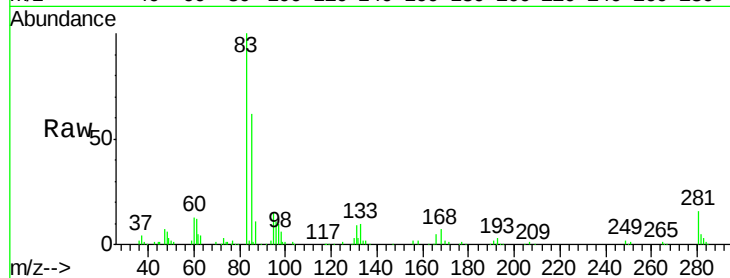
Tgt Ion: 83 Resp: 164263

Ion Ratio Lower Upper

83 100

131 8.7 4.2 12.6

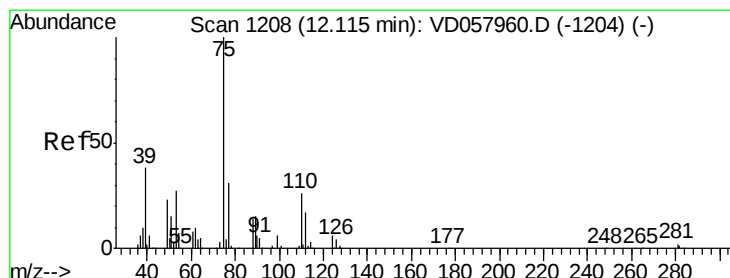
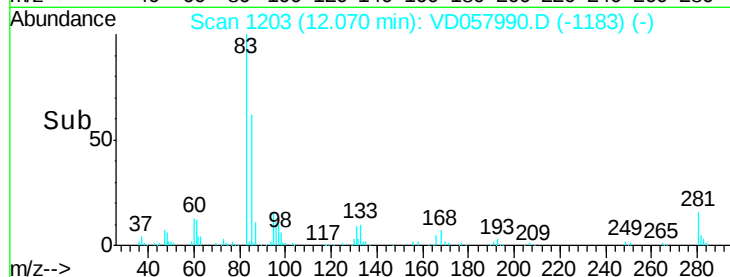
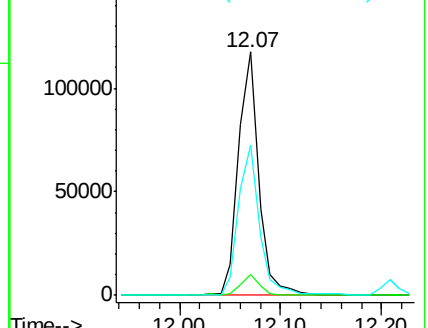
85 61.5 31.9 95.5



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: 23.489 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.02 min

Lab File: VD057990.D

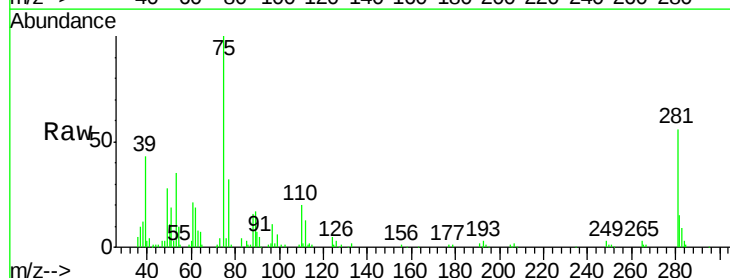
Acq: 8 Jun 2018 1:44

Tgt Ion: 75 Resp: 179310

Ion Ratio Lower Upper

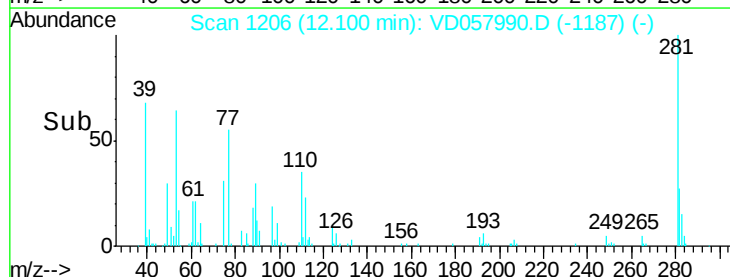
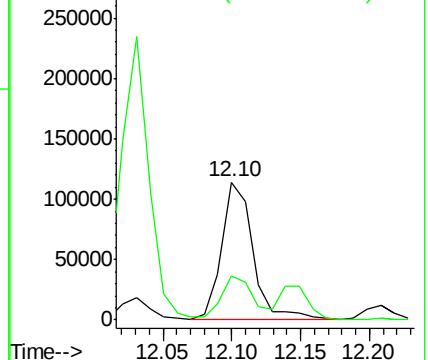
75 100

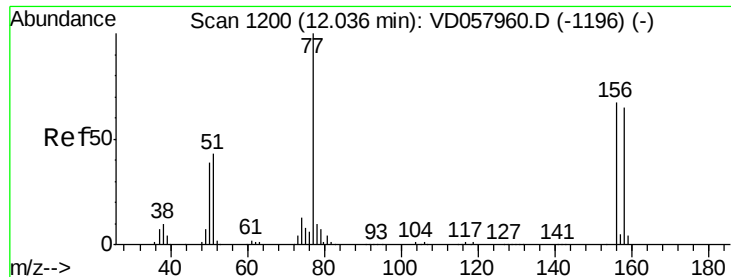
77 31.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.535 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

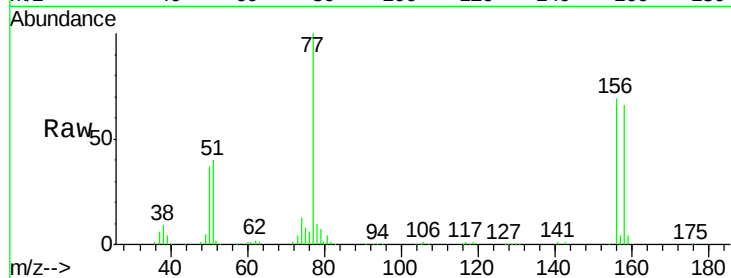
Tgt Ion:156 Resp: 224525

Ion Ratio Lower Upper

156 100

77 144.5 75.0 224.8

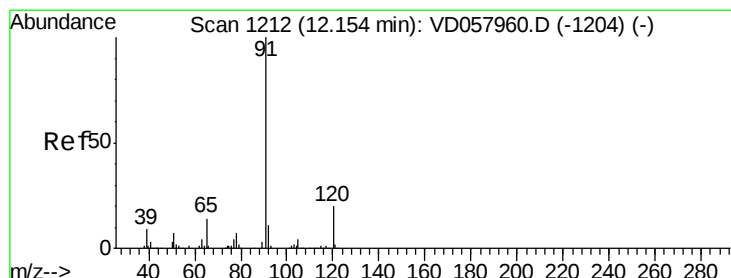
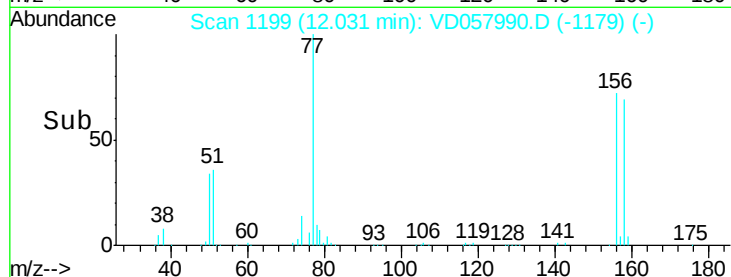
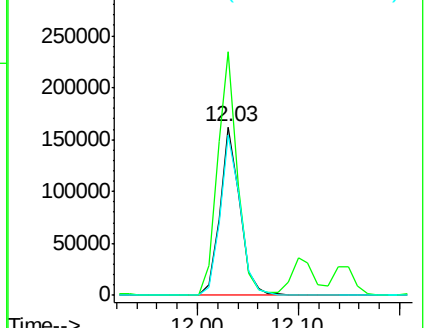
158 95.1 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.656 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD057990.D

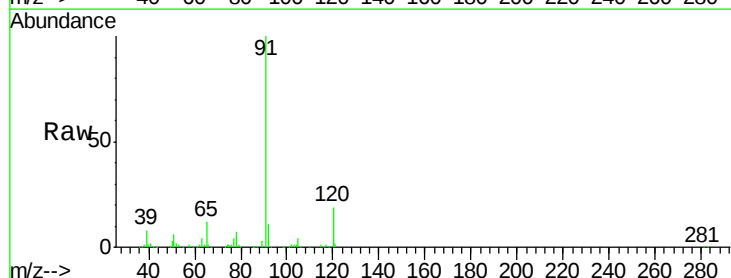
Acq: 8 Jun 2018 1:44

Tgt Ion: 91 Resp: 992324

Ion Ratio Lower Upper

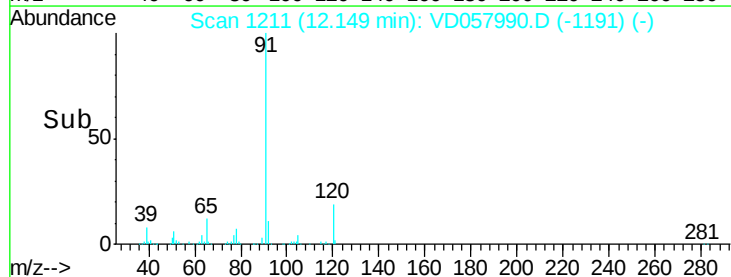
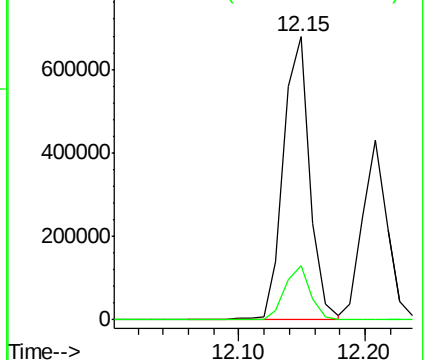
91 100

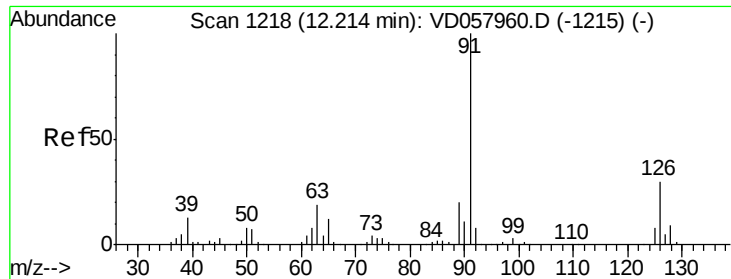
120 19.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

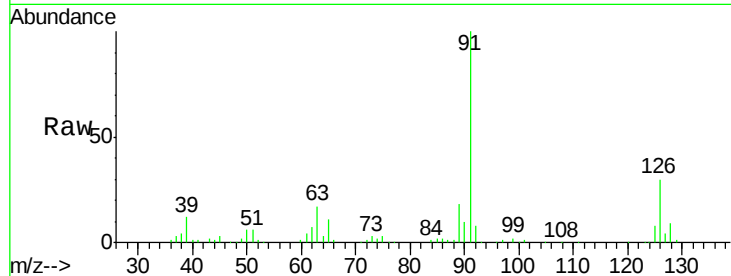




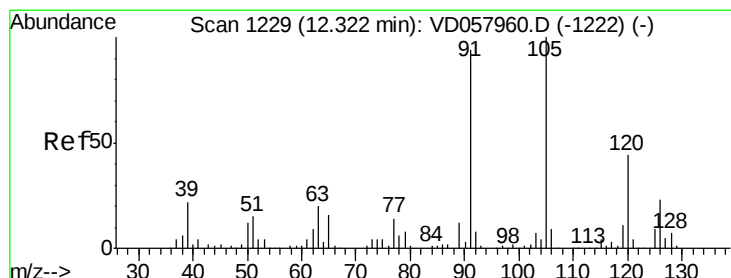
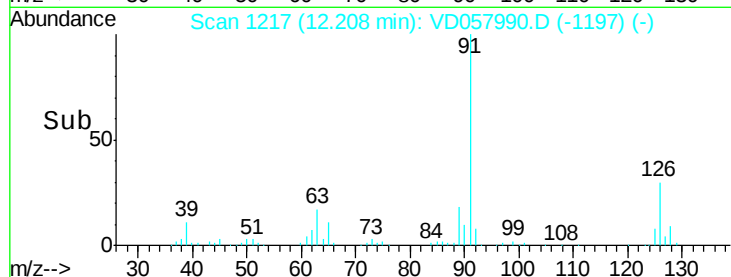
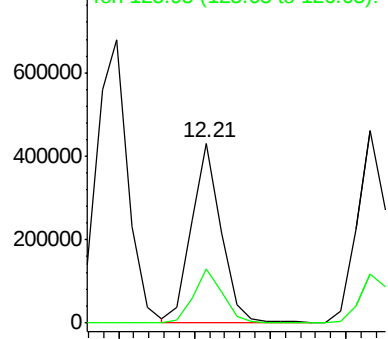
#79
 2-Chlorotoluene
 Concen: 23.317 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tgt Ion: 91 Resp: 582612
 Ion Ratio Lower Upper
 91 100
 126 30.3 14.6 44.0

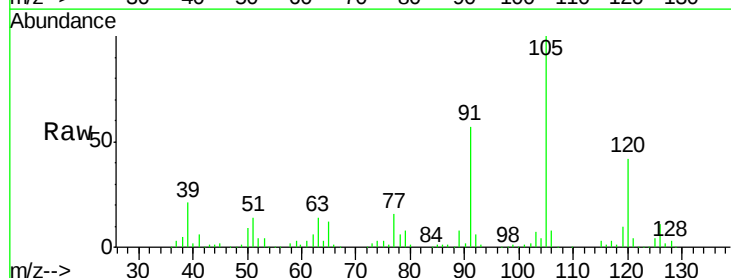


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

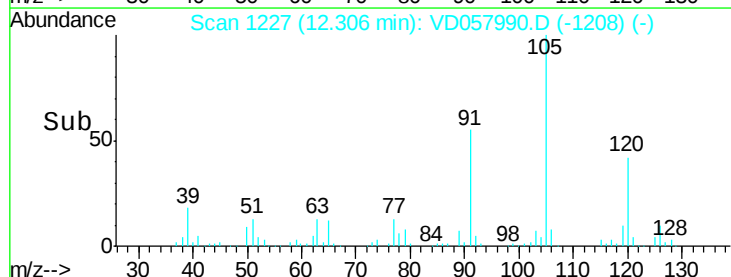
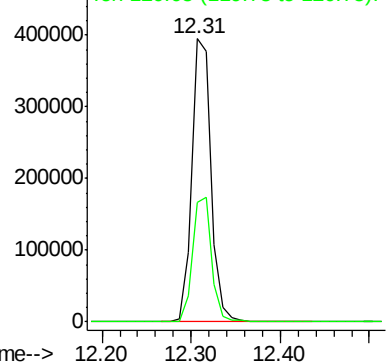


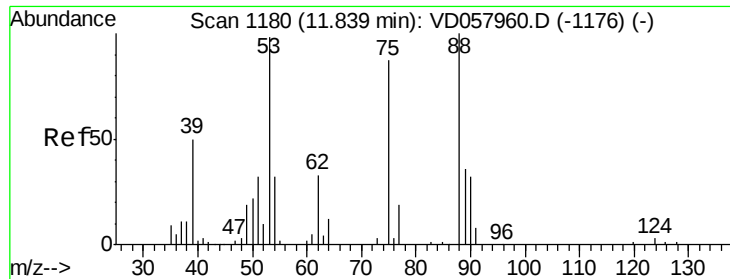
#80
 1,3,5-Trimethylbenzene
 Concen: 22.856 ug/l
 RT: 12.31 min Scan# 1227
 Delta R.T. -0.02 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion: 105 Resp: 599972
 Ion Ratio Lower Upper
 105 100
 120 42.2 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 21.937 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

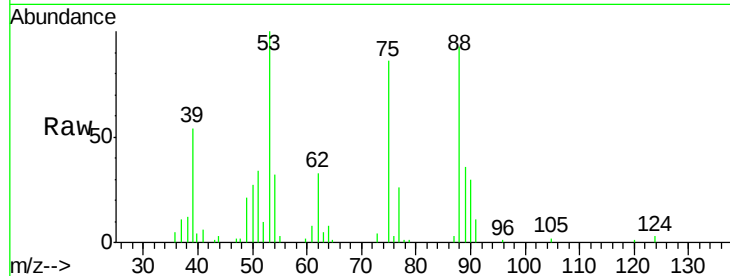
Tgt Ion: 75 Resp: 41477

Ion Ratio Lower Upper

75 100

53 116.3 89.3 133.9

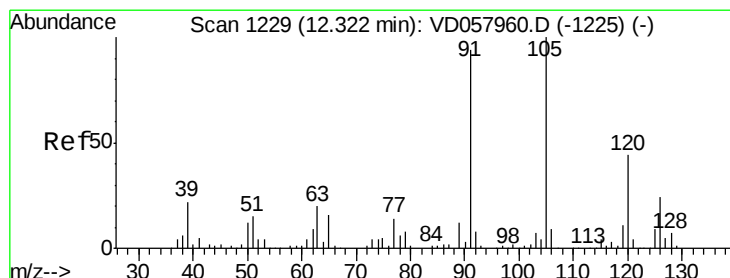
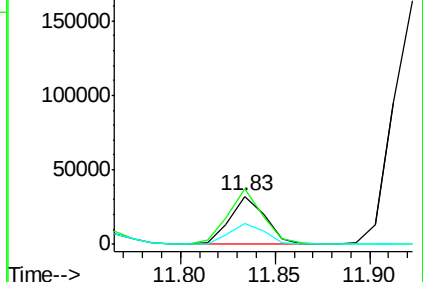
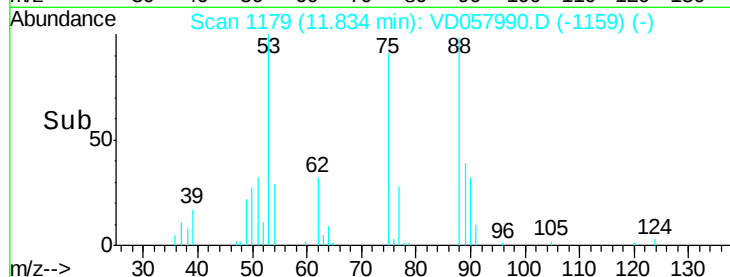
89 42.3 33.3 49.9



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: 24.202 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD057990.D

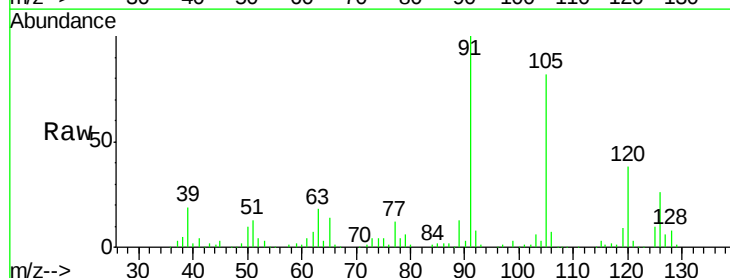
Acq: 8 Jun 2018 1:44

Tgt Ion: 91 Resp: 628013

Ion Ratio Lower Upper

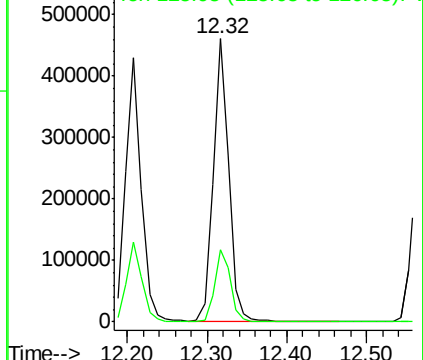
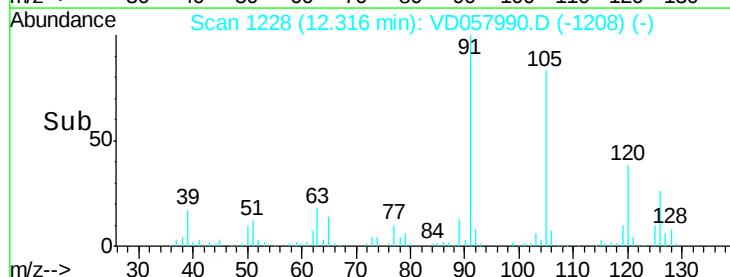
91 100

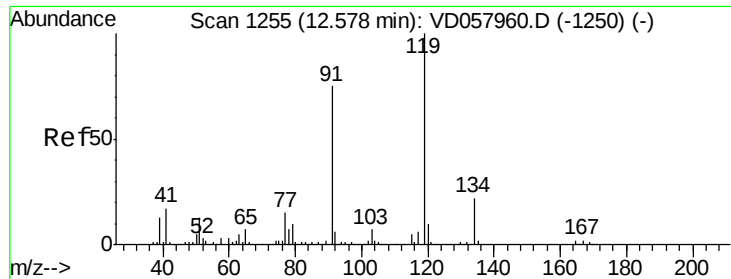
126 25.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

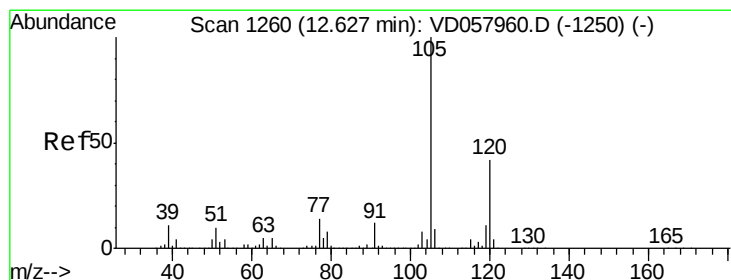
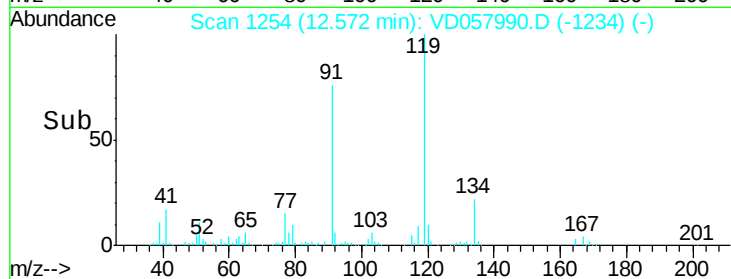
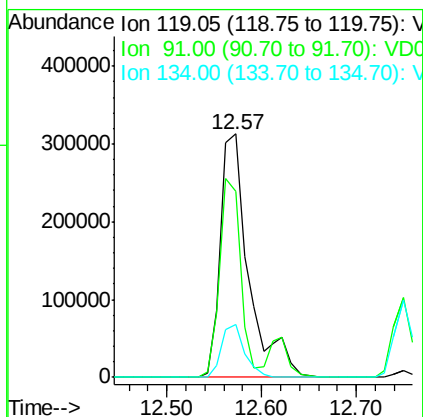
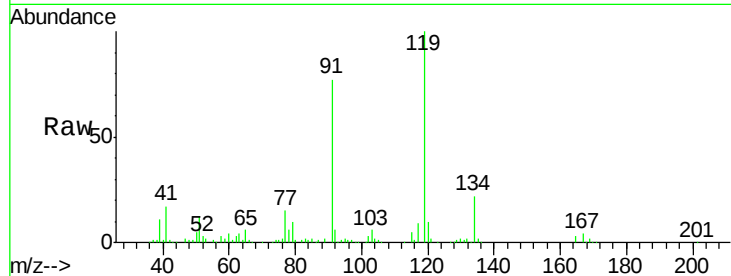




#83
 tert-Butylbenzene
 Concen: 22.028 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

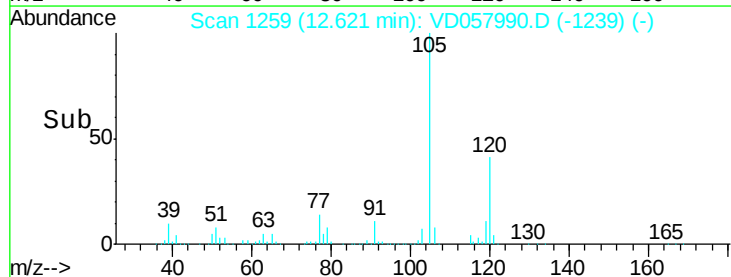
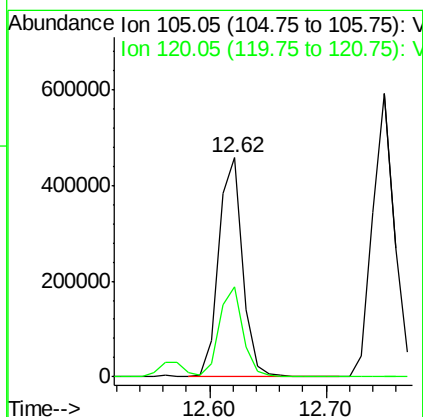
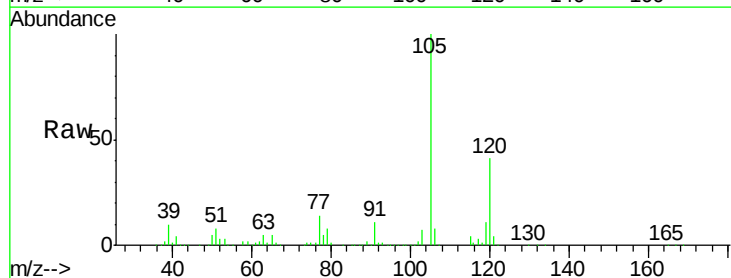
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

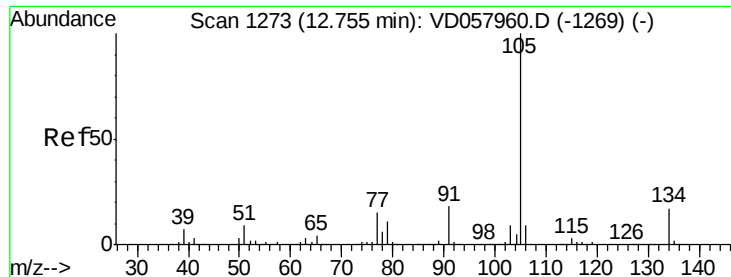
Tgt Ion:119 Resp: 652898
 Ion Ratio Lower Upper
 119 100
 91 76.6 37.6 112.9
 134 21.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.856 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion:105 Resp: 645088
 Ion Ratio Lower Upper
 105 100
 120 40.9 21.2 63.6

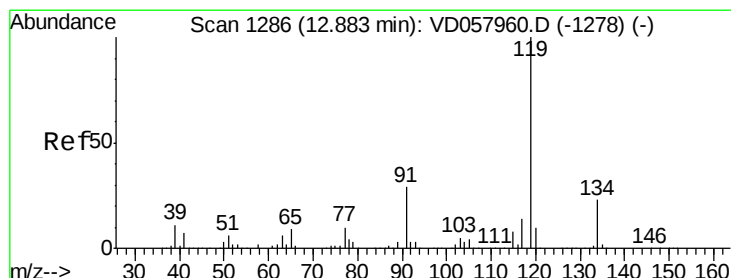
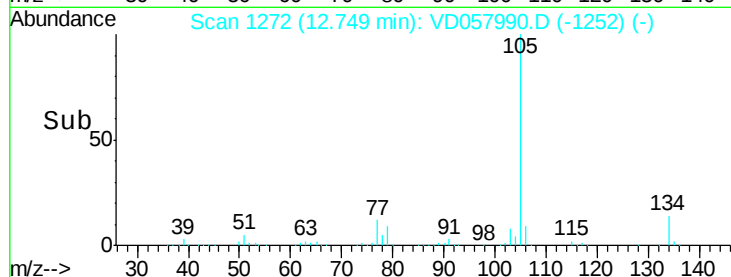
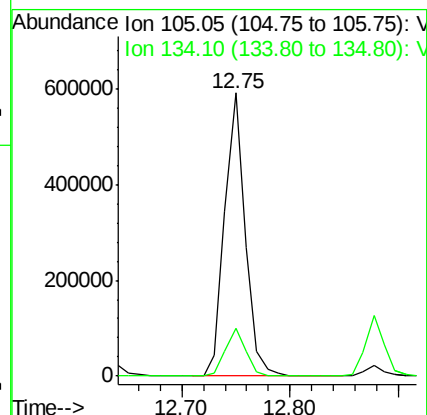
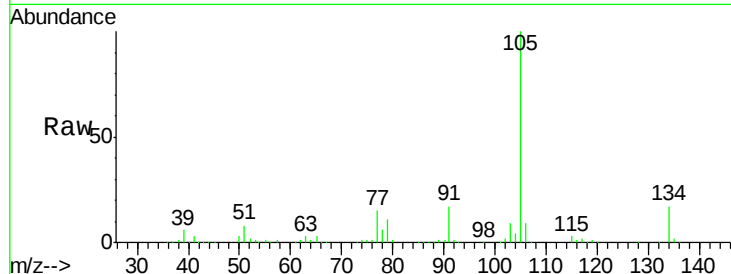




#85
 sec-Butylbenzene
 Concen: 21.786 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

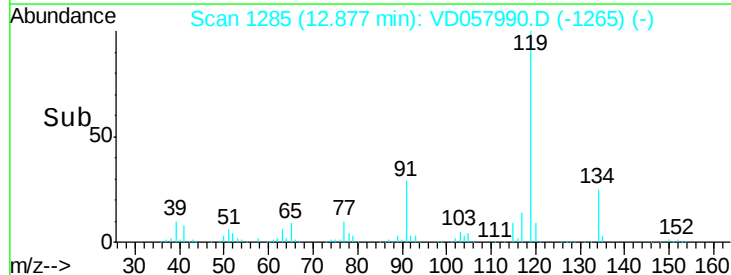
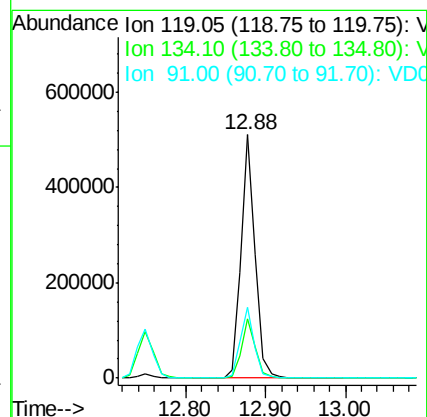
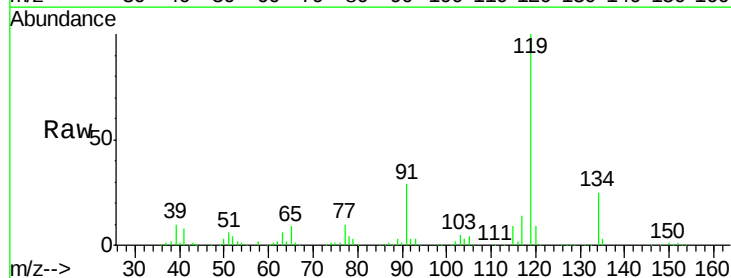
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

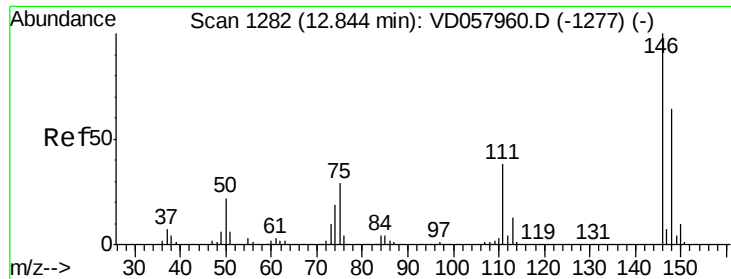
Tgt Ion:105 Resp: 779295
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 21.853 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion:119 Resp: 630030
 Ion Ratio Lower Upper
 119 100
 134 24.6 11.5 34.4
 91 29.2 14.5 43.6

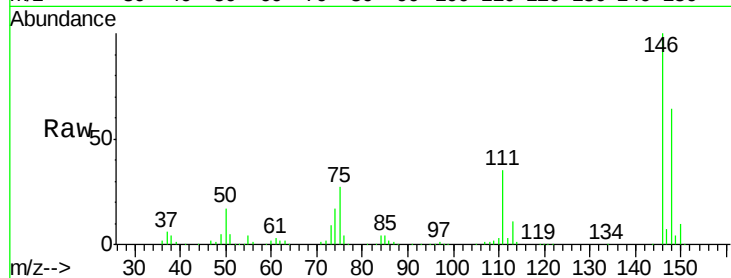




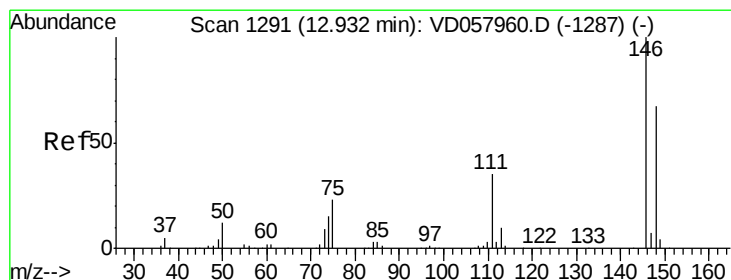
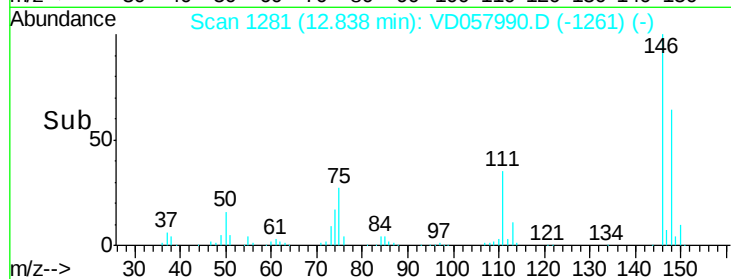
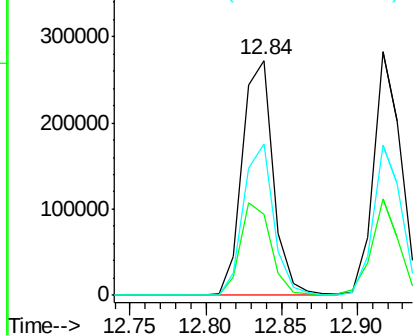
#87
 1,3-Dichlorobenzene
 Concen: 23.074 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tgt Ion:146 Resp: 388875
 Ion Ratio Lower Upper
 146 100
 111 34.5 19.1 57.3
 148 64.4 32.0 96.2

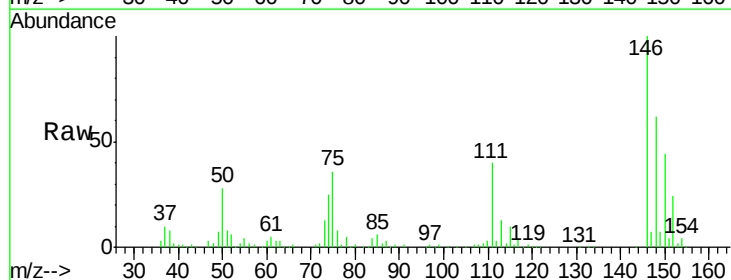


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

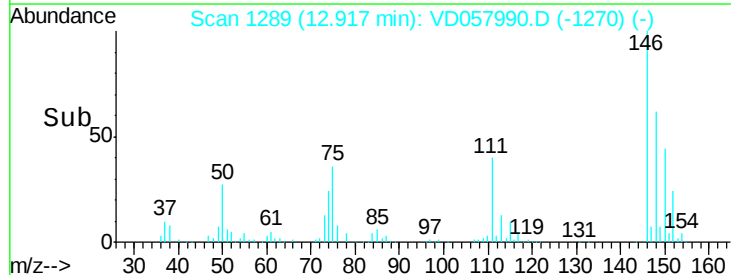
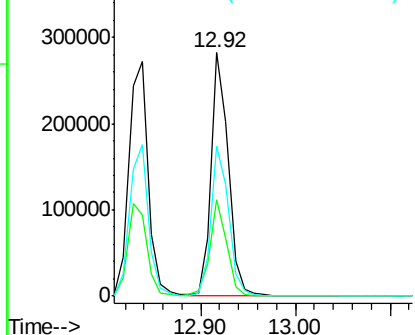


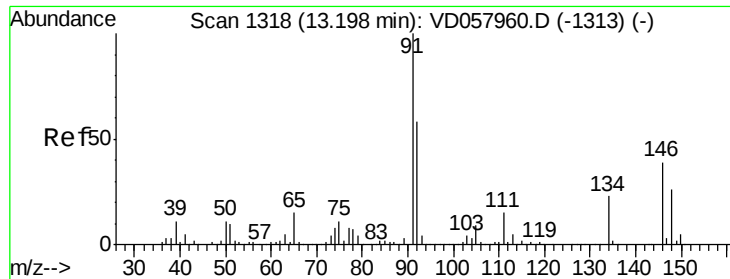
#88
 1,4-Dichlorobenzene
 Concen: 21.923 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion:146 Resp: 360001
 Ion Ratio Lower Upper
 146 100
 111 39.6 17.3 52.0
 148 61.7 33.4 100.2



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

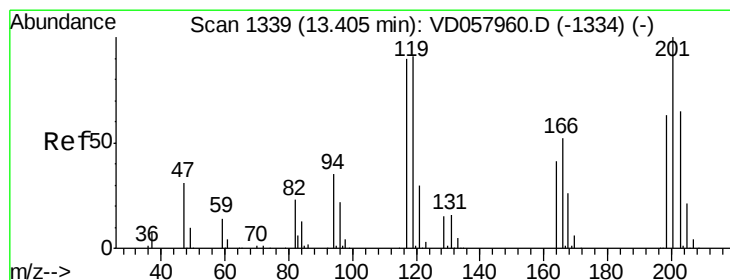
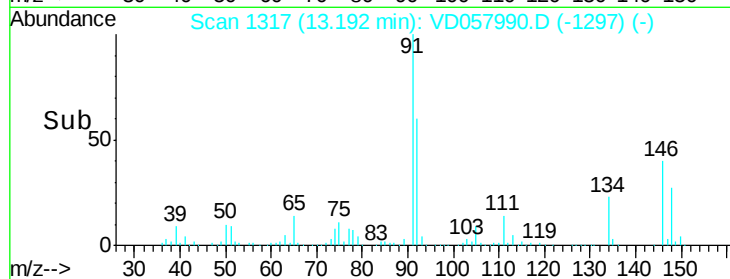
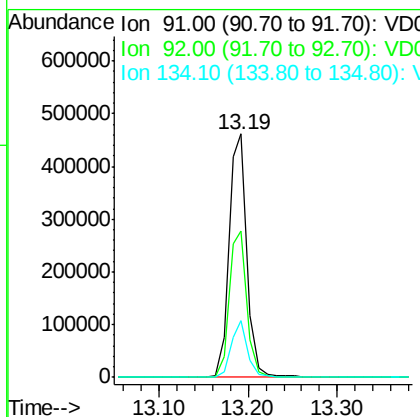
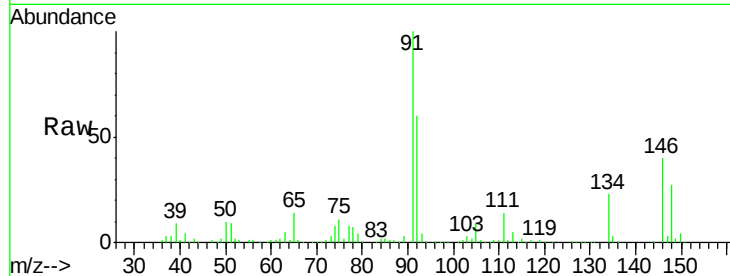




#89
n-Butylbenzene
Concen: 22.943 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

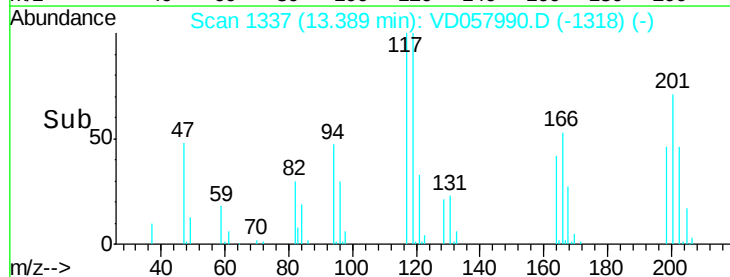
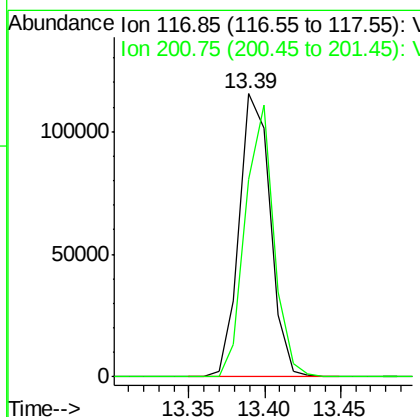
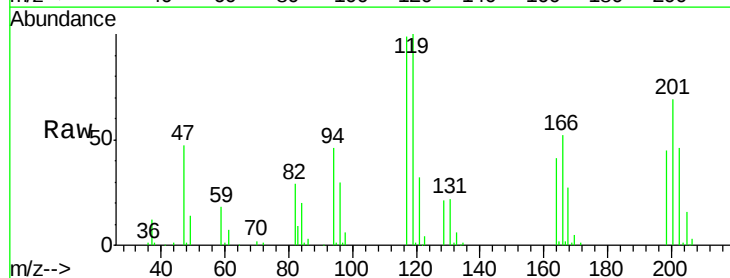
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

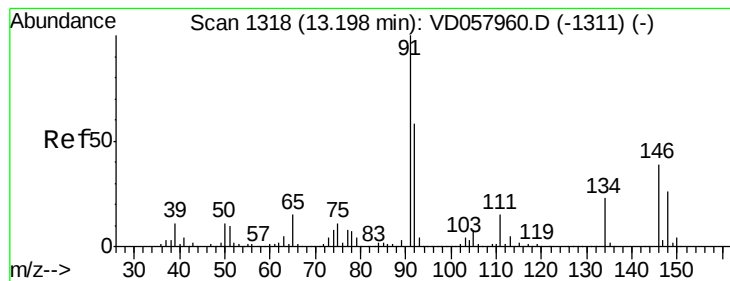
Tgt Ion: 91 Resp: 657628
Ion Ratio Lower Upper
91 100
92 60.1 29.2 87.6
134 23.2 11.3 33.9



#90
Hexachloroethane
Concen: 22.351 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. -0.02 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion: 117 Resp: 164471
Ion Ratio Lower Upper
117 100
201 69.8 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 23.347 ug/l

RT: 13.18 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

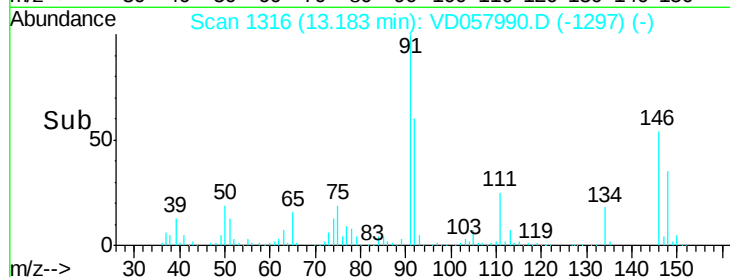
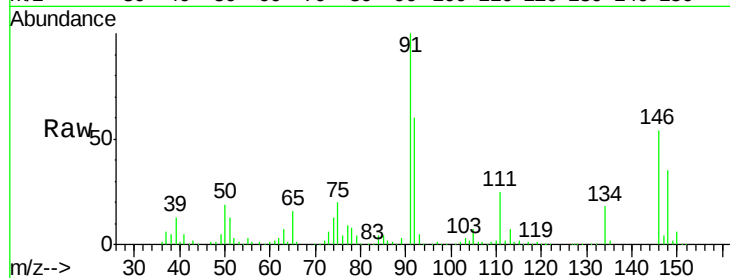
Tgt Ion:146 Resp: 317990

Ion Ratio Lower Upper

146 100

111 45.5 19.4 58.2

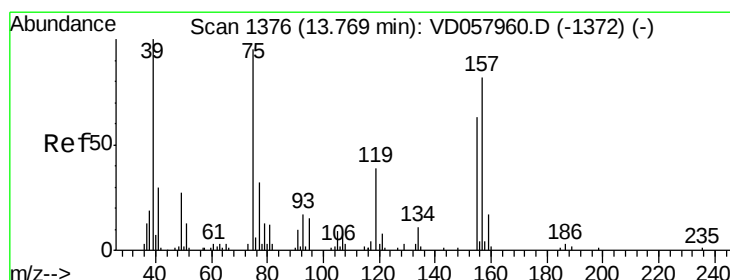
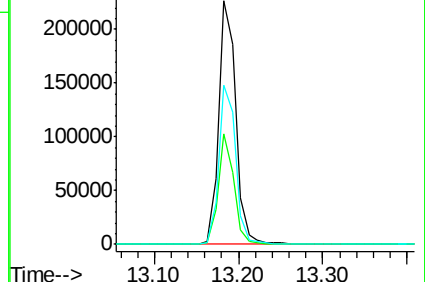
148 65.3 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.178 ug/l

RT: 13.76 min Scan# 1375

Delta R.T. -0.01 min

Lab File: VD057990.D

Acq: 8 Jun 2018 1:44

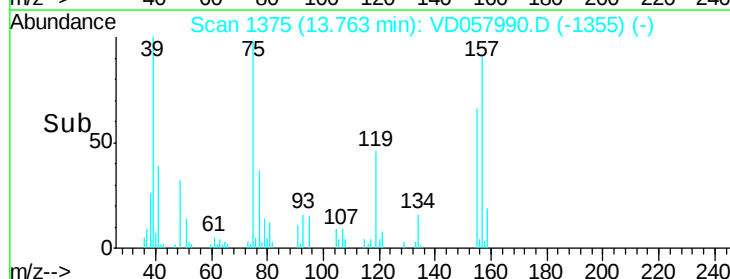
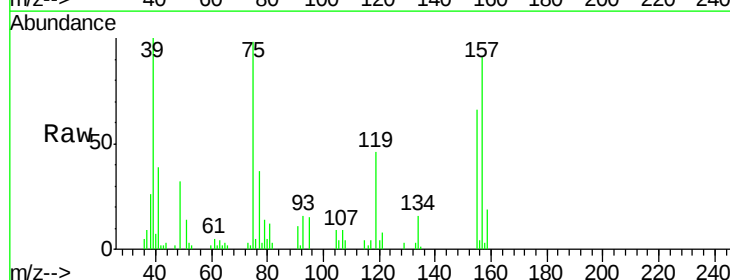
Tgt Ion: 75 Resp: 25119

Ion Ratio Lower Upper

75 100

155 67.0 33.4 100.1

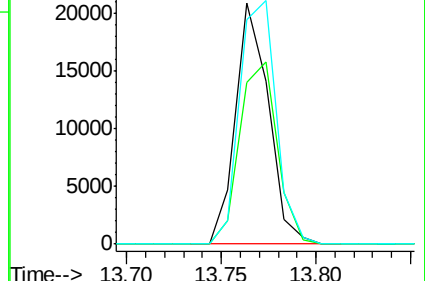
157 93.1 42.9 128.5

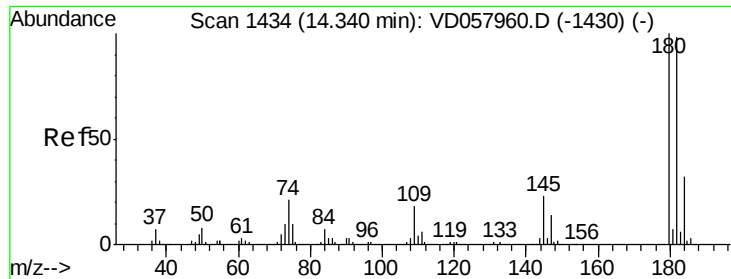


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

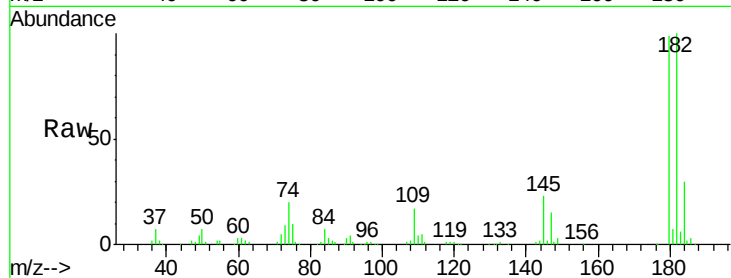




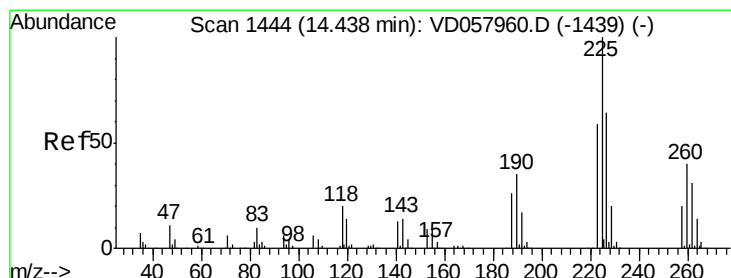
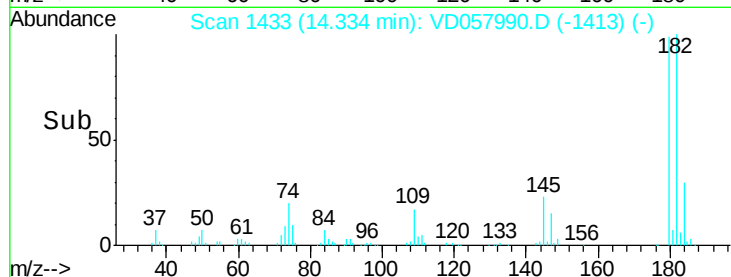
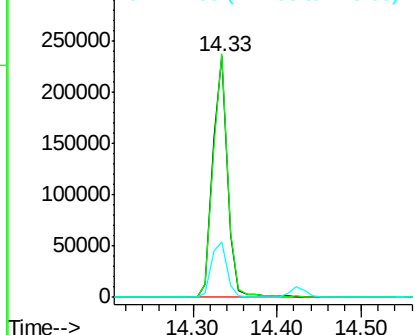
#93
 1,2,4-Trichlorobenzene
 Concen: 22.607 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tgt Ion:180 Resp: 287672
 Ion Ratio Lower Upper
 180 100
 182 101.1 49.0 147.2
 145 22.9 11.8 35.3

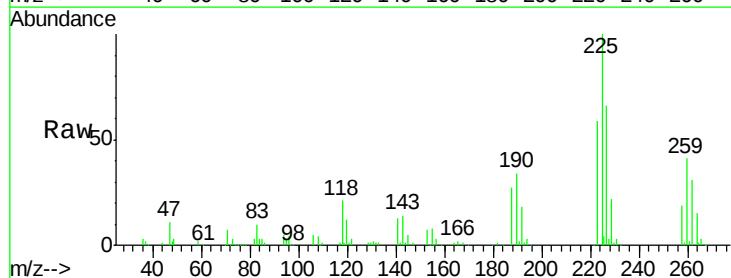


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

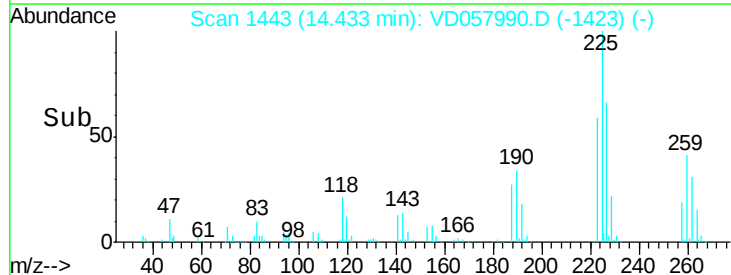
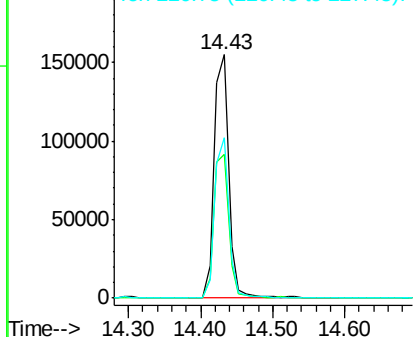


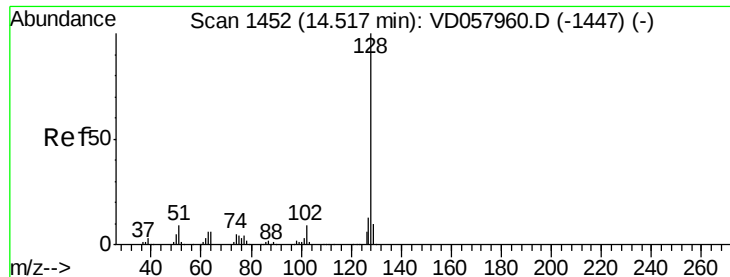
#94
 Hexachlorobutadiene
 Concen: 21.464 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD057990.D
 Acq: 8 Jun 2018 1:44

Tgt Ion:225 Resp: 214828
 Ion Ratio Lower Upper
 225 100
 223 58.9 29.5 88.6
 227 66.0 32.0 96.0



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

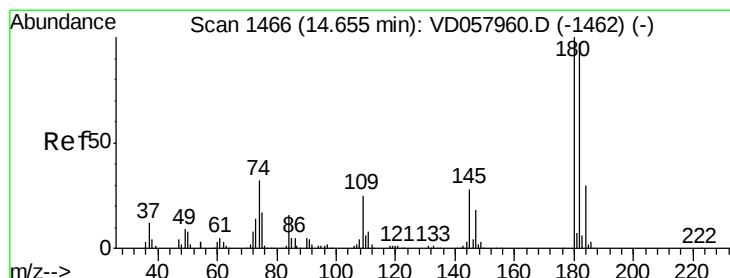
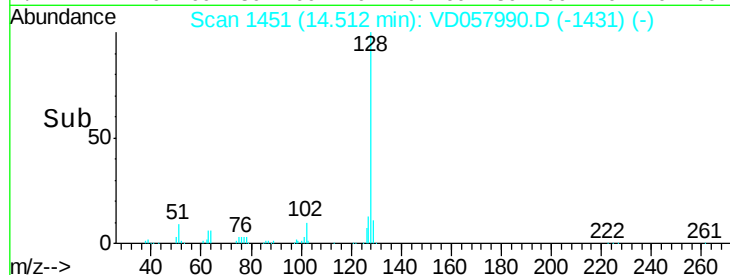
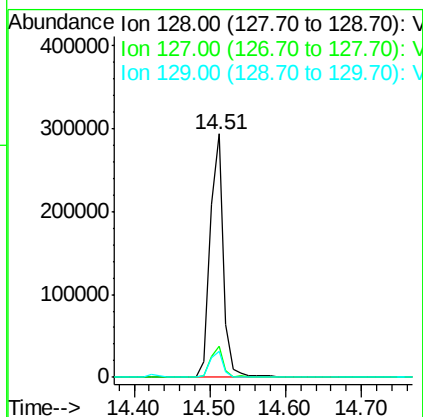
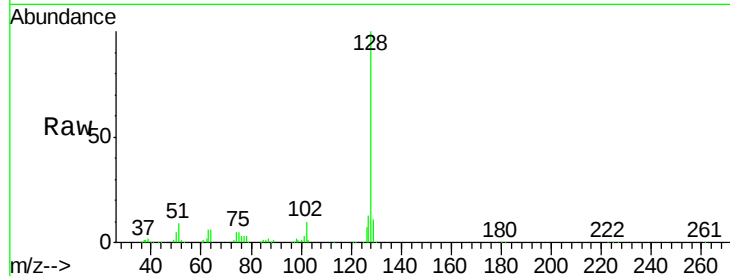




#95
Naphthalene
Concen: 22.137 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion:128 Resp: 363191
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.7 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 22.221 ug/l
RT: 14.65 min Scan# 1465
Delta R.T. -0.01 min
Lab File: VD057990.D
Acq: 8 Jun 2018 1:44

Tgt Ion:180 Resp: 240970
Ion Ratio Lower Upper
180 100
182 94.5 48.5 145.5
145 29.6 14.2 42.8

