

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058153.D
 Acq On : 15 Jun 2018 15:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 23:16:56 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	5.65	168	902946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1153468	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	889623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	468749	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	397452	44.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.06%		
35) Dibromofluoromethane	5.55	113	429606	48.14	ug/l	-0.01
Spiked Amount 50.000			Recovery =	96.28%		
50) Toluene-d8	8.71	98	984115	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.76%		
62) 4-Bromofluorobenzene	11.93	95	418434	45.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.42%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	520703	42.967	ug/l	99
3) Chloromethane	1.48	50	262715	44.017	ug/l	95
4) Vinyl Chloride	1.55	62	283509	49.073	ug/l	97
5) Bromomethane	1.80	94	101792	44.955	ug/l	96
6) Chloroethane	1.89	64	114955	50.433	ug/l	94
7) Trichlorofluoromethane	2.08	101	378109	47.878	ug/l	98
8) Diethyl Ether	2.35	74	82582	56.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	236434	50.192	ug/l	98
10) Methyl Iodide	2.69	142	278596	45.836	ug/l	98
11) Tert butyl alcohol	3.26	59	79522	328.839	ug/l	98
12) 1,1-Dichloroethene	2.55	96	175862	48.562	ug/l	87
13) Acrolein	2.47	56	73780	213.034	ug/l	99
14) Allyl chloride	2.92	41	412137	49.335	ug/l	97
15) Acrylonitrile	3.36	53	282167	199.450	ug/l	99
16) Acetone	2.61	43	377323	290.119	ug/l	99
17) Carbon Disulfide	2.75	76	640850	48.849	ug/l	99
18) Methyl Acetate	2.94	43	123047	48.907	ug/l	96
19) Methyl tert-butyl Ether	3.40	73	807398	50.669	ug/l	99
20) Methylene Chloride	3.07	84	199053	56.094	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	369348	45.790	ug/l	97
22) Diisopropyl ether	4.07	45	1506549	45.521	ug/l	96
23) Vinyl Acetate	4.02	43	4236982	247.779	ug/l	99
24) 1,1-Dichloroethane	3.97	63	850751	46.773	ug/l	98
25) 2-Butanone	4.84	43	732117	247.694	ug/l	95
26) 2,2-Dichloropropane	4.80	77	742090	49.527	ug/l	92
27) cis-1,2-Dichloroethene	4.80	96	469082	49.034	ug/l	99
28) Bromochloromethane	5.14	49	397250	50.461	ug/l	97
29) Tetrahydrofuran	5.18	42	370799	239.316	ug/l	97
30) Chloroform	5.32	83	887295	48.471	ug/l	97
31) Cyclohexane	5.60	56	685901	43.697	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	764754	49.895	ug/l	99
36) 1,1-Dichloropropene	5.75	75	637406	50.157	ug/l	98
37) Ethyl Acetate	4.93	43	365985	52.780	ug/l	96
38) Carbon Tetrachloride	5.73	117	635954	50.777	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058153.D
 Acq On : 15 Jun 2018 15:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 23:16:56 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)
39) Methylcyclohexane	7.28	83	621798	49.358	ug/l	97
40) Benzene	6.02	78	1452977	48.943	ug/l	97
41) Methacrylonitrile	5.12	41	175559	55.371	ug/l #	96
42) 1,2-Dichloroethane	6.13	62	616188	51.336	ug/l	99
43) Isopropyl Acetate	7.62	43	455706	50.173	ug/l #	99
44) Trichloroethene	6.98	130	461331	53.201	ug/l	98
45) 1,2-Dichloropropane	7.35	63	401068	48.608	ug/l	100
46) Dibromomethane	7.46	93	277639	52.381	ug/l	90
47) Bromodichloromethane	7.74	83	650211	52.392	ug/l	98
48) Methyl methacrylate	7.51	41	278059	49.739	ug/l	99
49) 1,4-Dioxane	7.50	88	48239	1041.621	ug/l	92
51) 4-Methyl-2-Pentanone	8.60	43	1467316	251.868	ug/l	99
52) Toluene	8.81	92	826390	48.503	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	559186	52.298	ug/l	94
54) cis-1,3-Dichloropropene	8.36	75	628697	49.910	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	279481	50.685	ug/l	98
56) Ethyl methacrylate	9.32	69	345557	51.088	ug/l	99
57) 1,3-Dichloropropane	9.66	76	502443	51.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	859769	251.591	ug/l	98
59) 2-Hexanone	9.79	43	1125143	263.542	ug/l	97
60) Dibromochloromethane	9.96	129	422271	54.306	ug/l	99
61) 1,2-Dibromoethane	10.10	107	317641	50.091	ug/l	91
64) Tetrachloroethene	9.52	164	418734	52.650	ug/l	98
65) Chlorobenzene	10.73	112	909881	50.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	361111	52.188	ug/l	98
67) Ethyl Benzene	10.86	91	1561774	48.000	ug/l	99
68) m/p-Xylenes	11.01	106	1081025	101.916	ug/l	97
69) o-Xylene	11.41	106	543969	51.666	ug/l	98
70) Styrene	11.44	104	908302	52.113	ug/l	99
71) Bromoform	11.60	173	303315	58.271	ug/l	96
73) Isopropylbenzene	11.77	105	1558556	50.199	ug/l	100
74) N-amyl acetate	11.64	43	595028	49.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	349439	51.622	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	365410	51.895	ug/l	97
77) Bromobenzene	12.05	156	467822	50.904	ug/l	80
78) n-propylbenzene	12.15	91	1970281	48.768	ug/l	97
79) 2-Chlorotoluene	12.21	91	1176850	51.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1208076	49.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	96375	55.260	ug/l	95
82) 4-Chlorotoluene	12.33	91	1257860	56.533	ug/l	91
83) tert-Butylbenzene	12.58	119	1363350	49.866	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1262593	48.498	ug/l	98
85) sec-Butylbenzene	12.75	105	1575910	47.761	ug/l	100
86) p-Isopropyltoluene	12.88	119	1329449	49.991	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	780500	50.206	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	748516	49.417	ug/l	100
89) n-Butylbenzene	13.20	91	1302292	54.782	ug/l	99
90) Hexachloroethane	13.40	117	356650	52.544	ug/l	96
91) 1,2-Dichlorobenzene	13.20	146	616371	49.061	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	57251	54.800	ug/l #	38

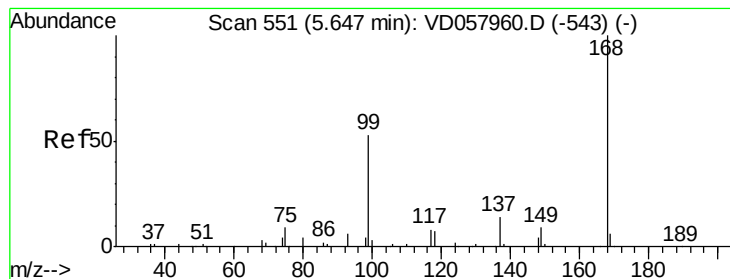
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058153.D
Acq On : 15 Jun 2018 15:17
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 15 23:16:56 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	652837	55.620	ug/l	98
94) Hexachlorobutadiene	14.44	225	505936	54.801	ug/l	97
95) Naphthalene	14.52	128	786923	51.999	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	545975	54.582	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

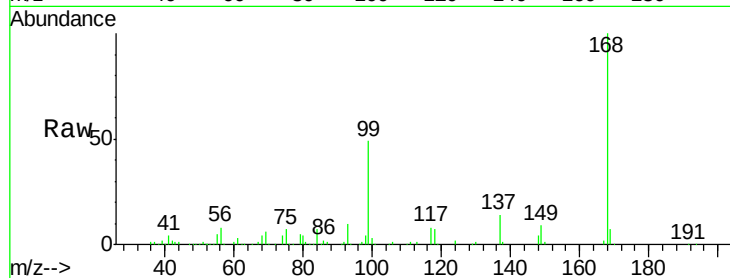
ClientSampleId :

Tot Ion:168 Resp: 902946

Ion Ratio Lower Upper

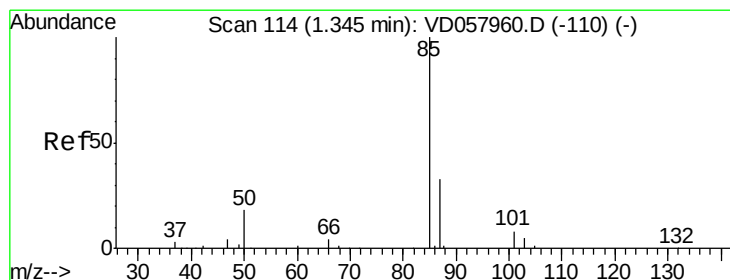
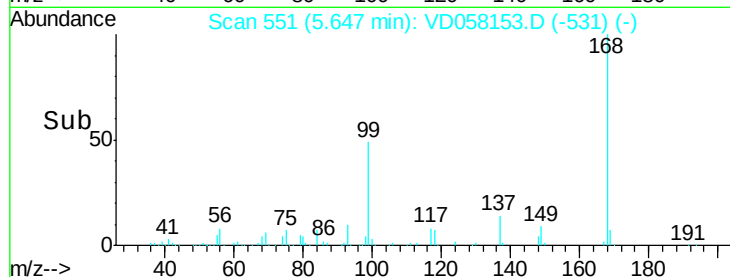
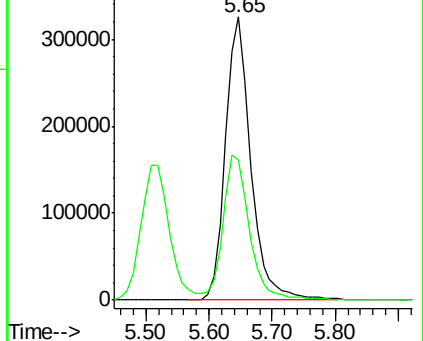
168 100

99 49.3 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: 42.967 ug/l

RT: 1.34 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD058153.D

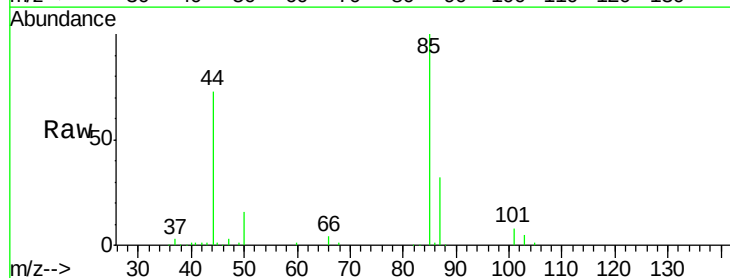
Acq: 15 Jun 2018 15:17

Tgt Ion: 85 Resp: 520703

Ion Ratio Lower Upper

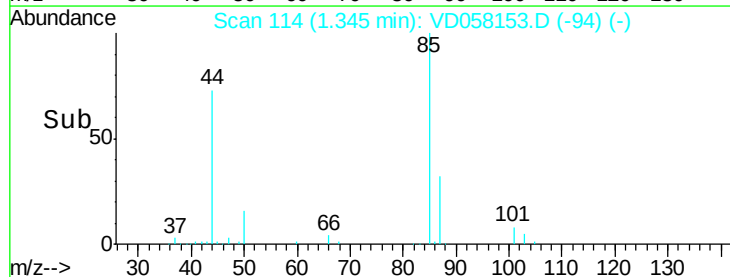
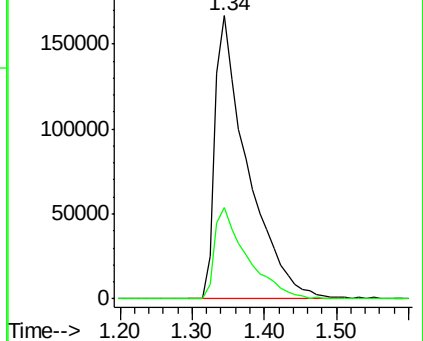
85 100

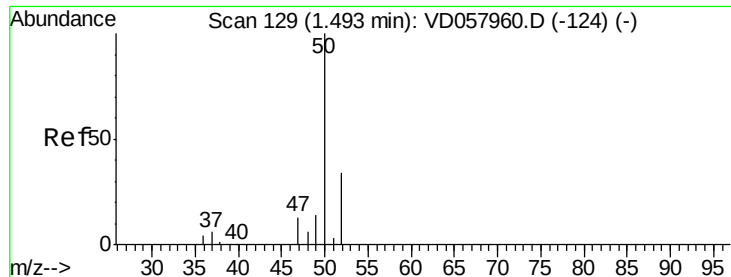
87 32.5 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.017 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

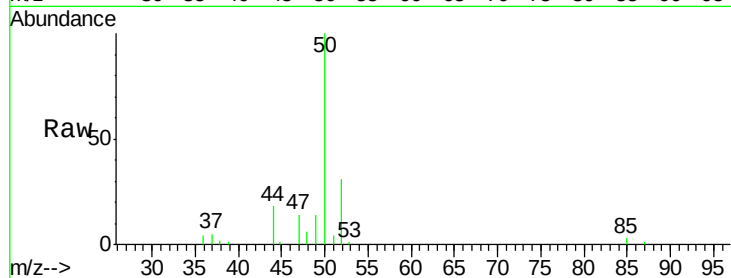
ClientSampleId :

Tot Ion: 50 Resp: 262715

Ion Ratio Lower Upper

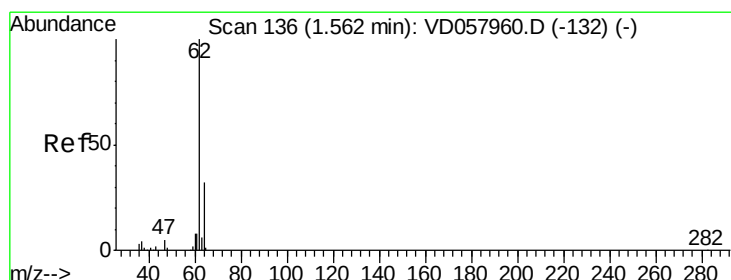
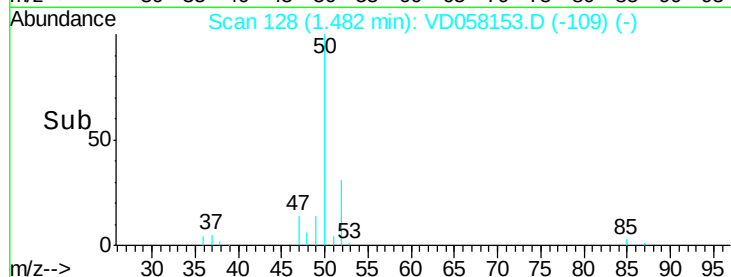
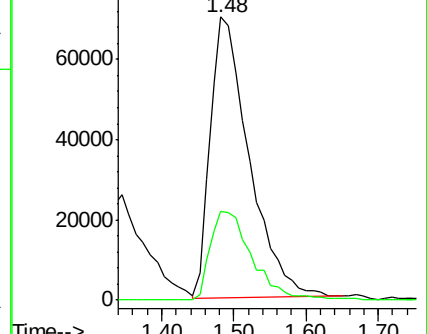
50 100

52 31.3 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: 49.073 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058153.D

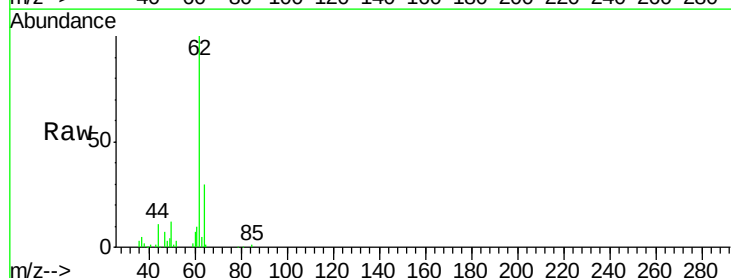
Acq: 15 Jun 2018 15:17

Tgt Ion: 62 Resp: 283509

Ion Ratio Lower Upper

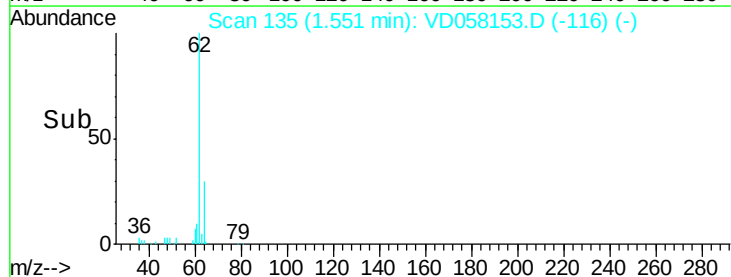
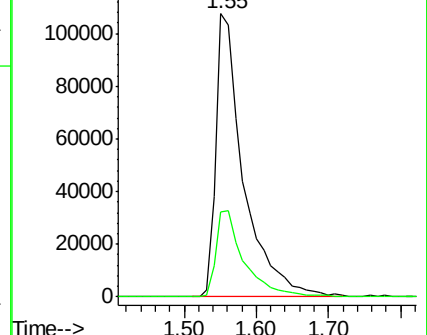
62 100

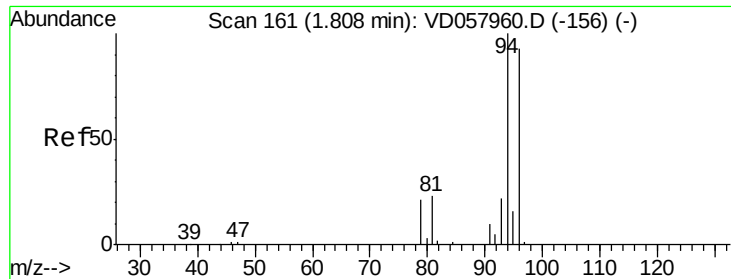
64 30.1 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.955 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

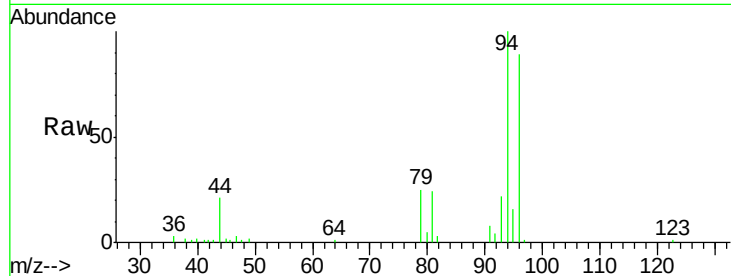
ClientSampleId :

Tot Ion: 94 Resp: 101792

Ion Ratio Lower Upper

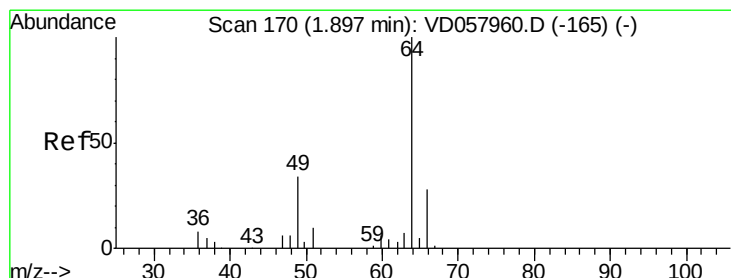
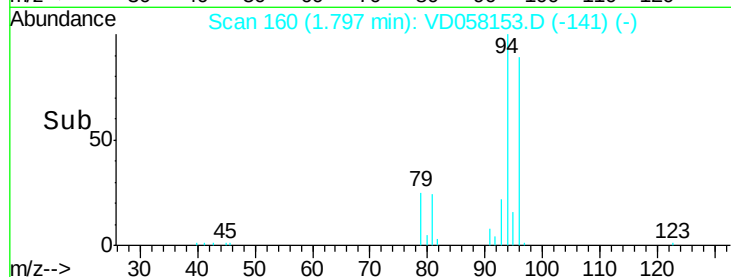
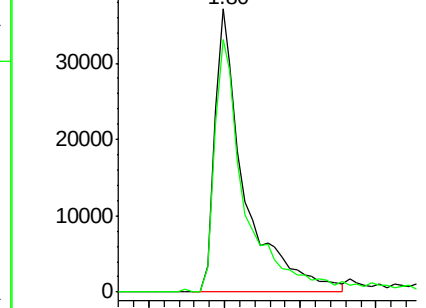
94 100

96 89.1 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: 50.433 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058153.D

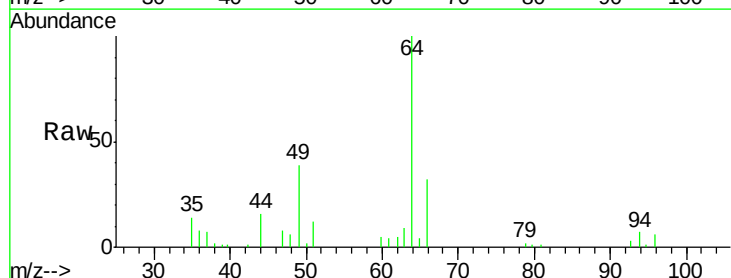
Acq: 15 Jun 2018 15:17

Tgt Ion: 64 Resp: 114955

Ion Ratio Lower Upper

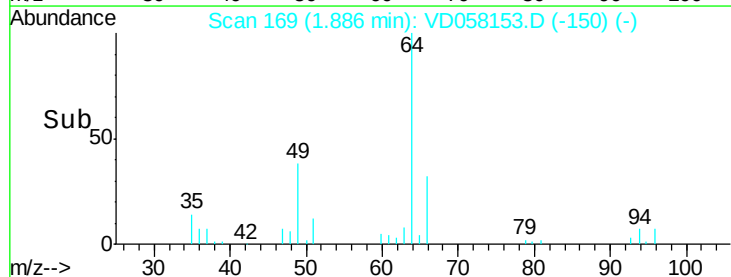
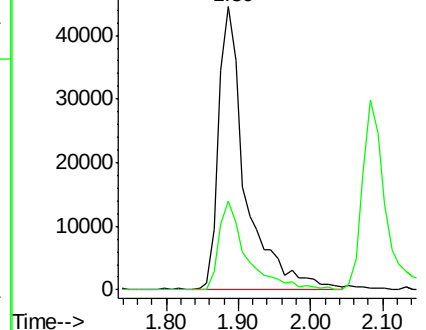
64 100

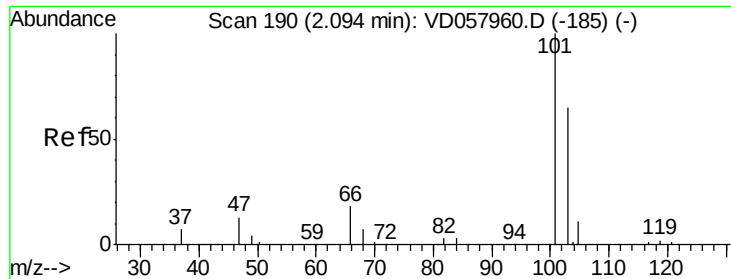
66 31.6 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



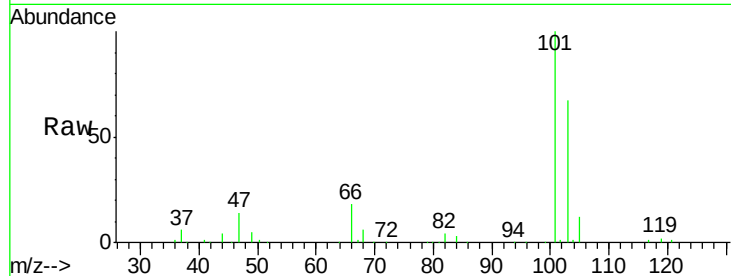


#7

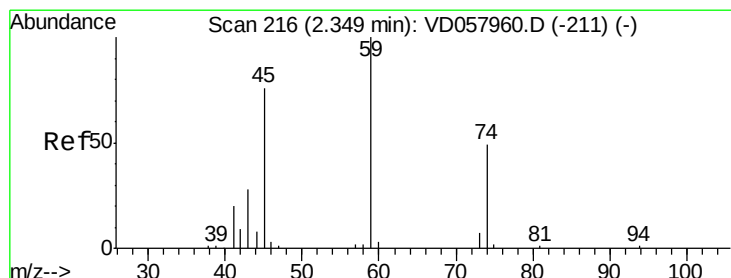
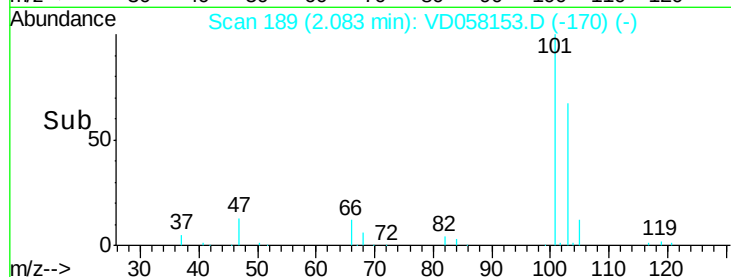
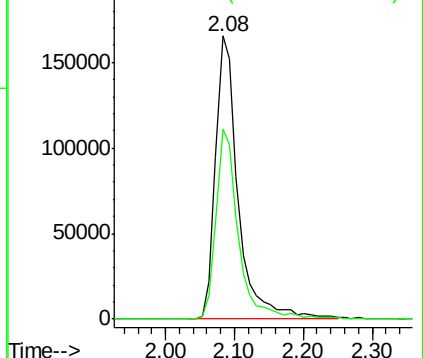
Trichlorofluoromethane
 Concen: 47.878 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 378109
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.4 78.6



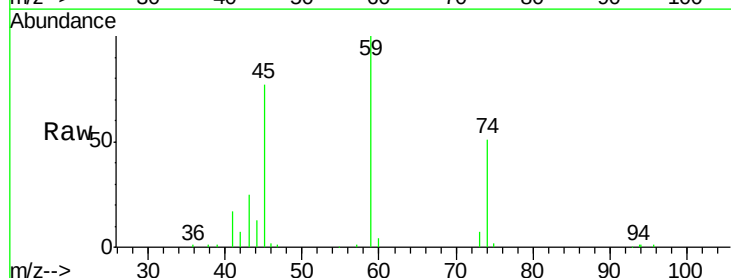
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



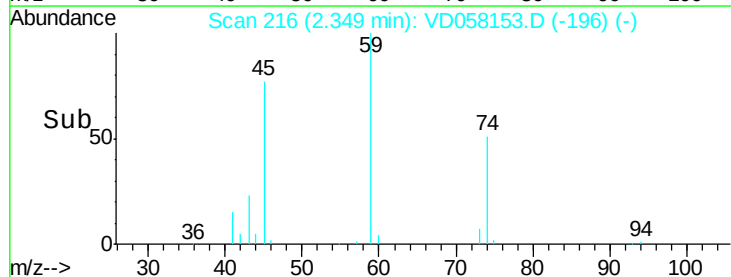
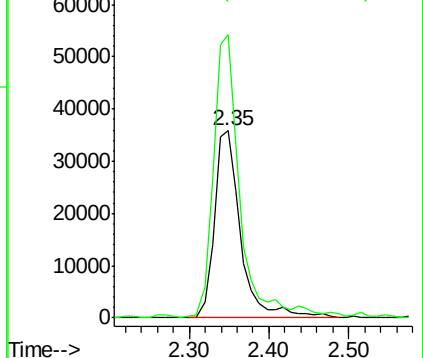
#8

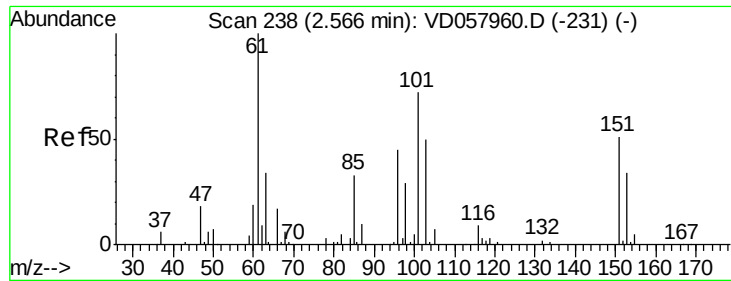
Diethyl Ether
 Concen: 56.290 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 74 Resp: 82582
 Ion Ratio Lower Upper
 74 100
 45 151.4 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: 50.192 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampled :

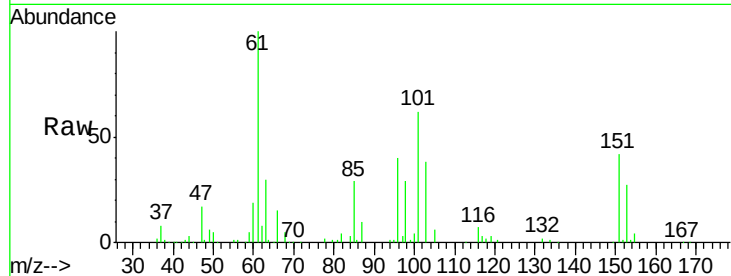
Tot Ion:101 Resp: 236434

Ion Ratio Lower Upper

101 100

85 46.5 37.3 55.9

151 68.1 57.0 85.6

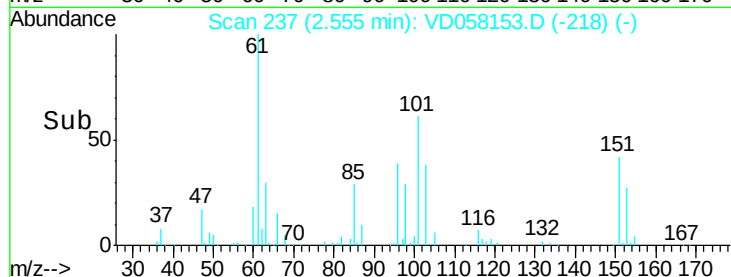


Abundance Ion 100.85 (100.55 to 101.55): V

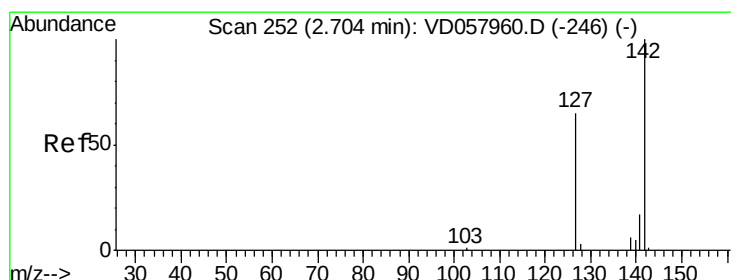
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 45.836 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

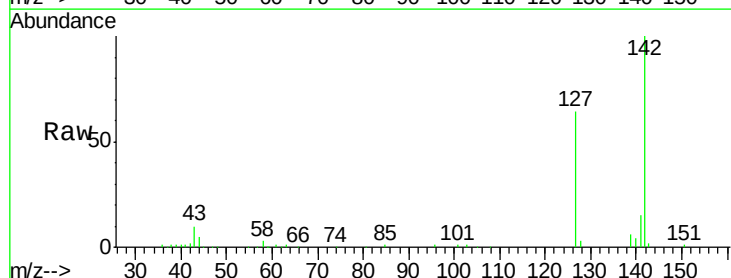
Tgt Ion:142 Resp: 278596

Ion Ratio Lower Upper

142 100

127 64.0 52.0 78.0

141 15.0 13.2 19.8

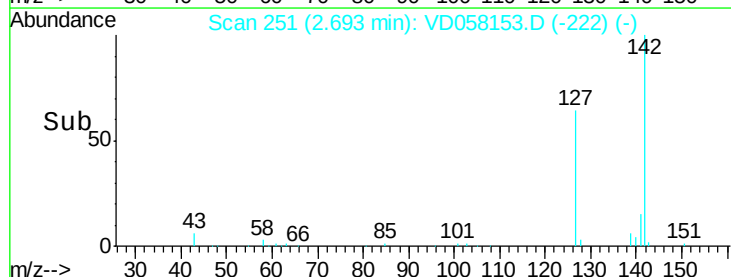


Abundance Ion 141.85 (141.55 to 142.55): V

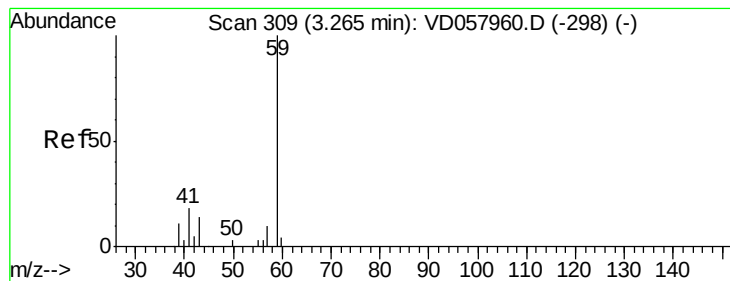
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->

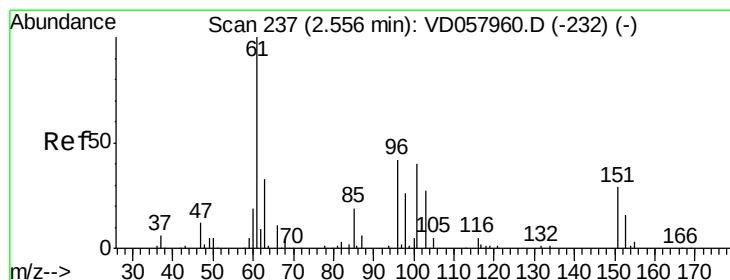
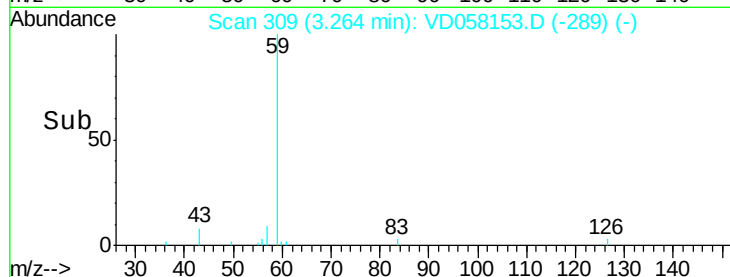
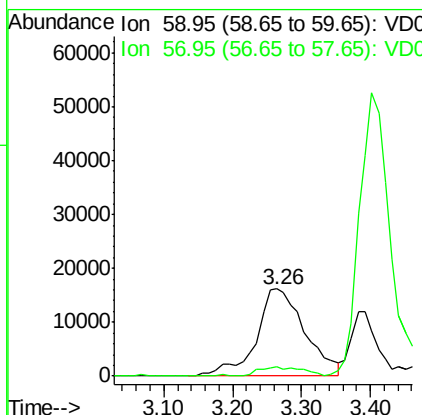
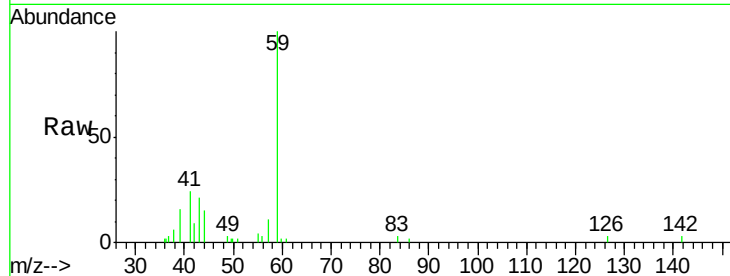


#11

Tert butyl alcohol
 Concen: 328.839 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :

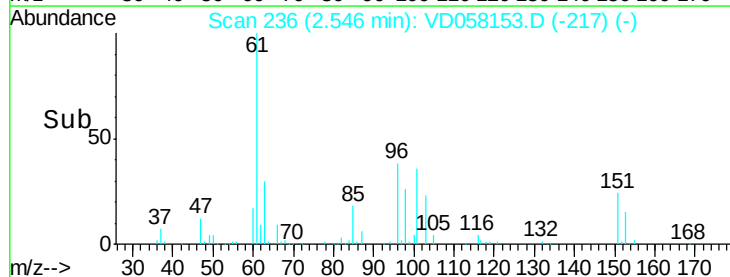
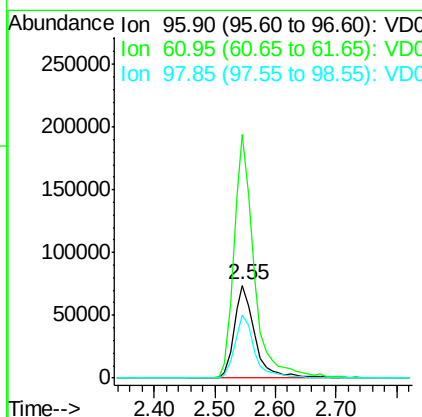
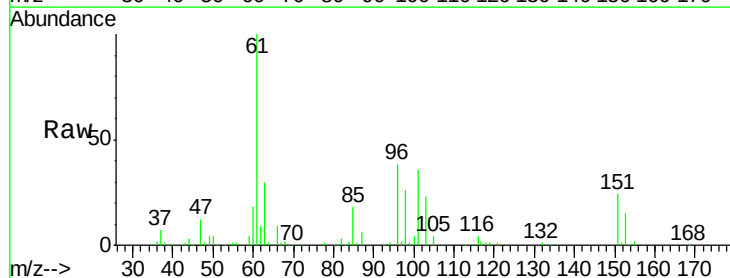
Tot Ion: 59 Resp: 79522
 Ion Ratio Lower Upper
 59 100
 57 10.6 7.8 11.6

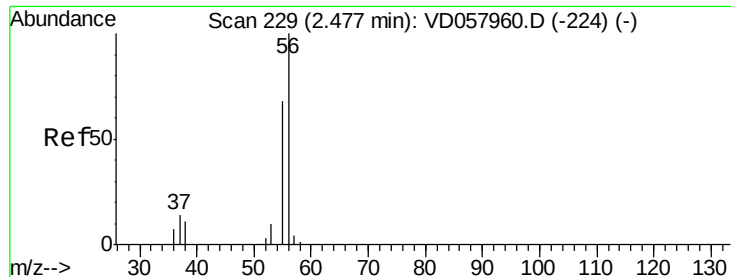


#12

1,1-Dichloroethene
 Concen: 48.562 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 96 Resp: 175862
 Ion Ratio Lower Upper
 96 100
 61 263.1 190.2 285.4
 98 67.8 49.6 74.4

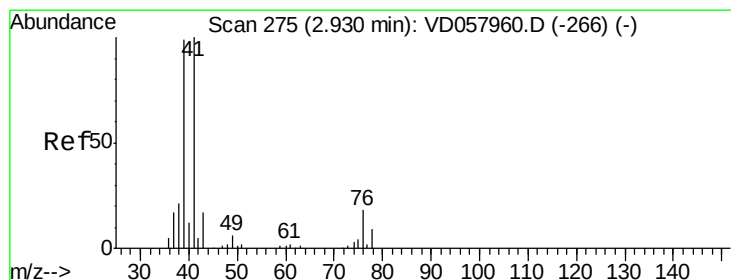
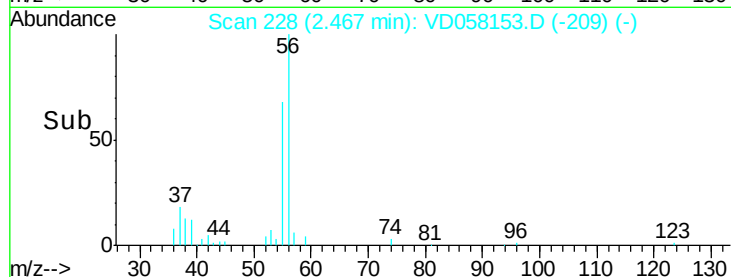
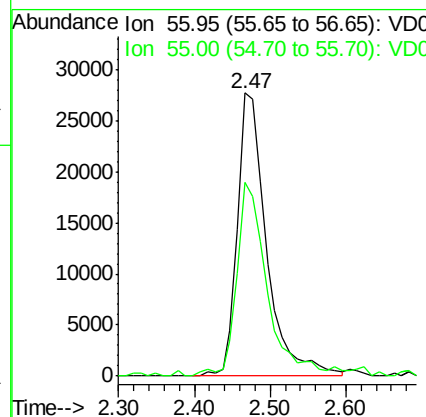
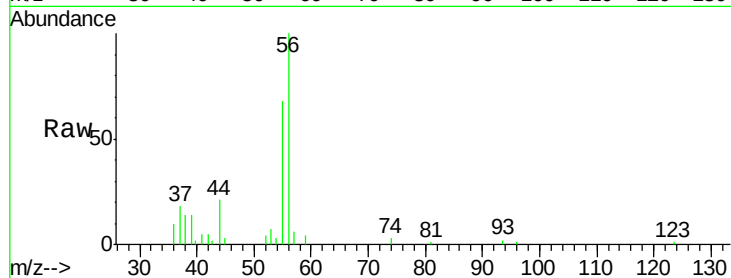




#13
Acrolein
Concen: 213.034 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

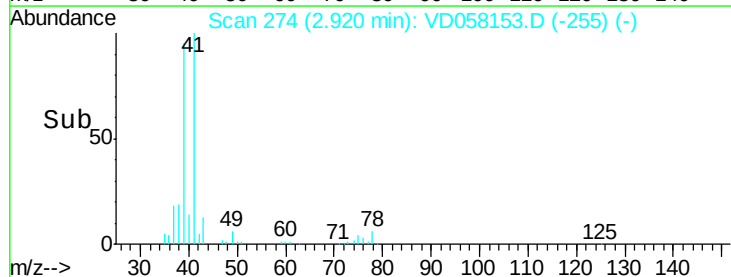
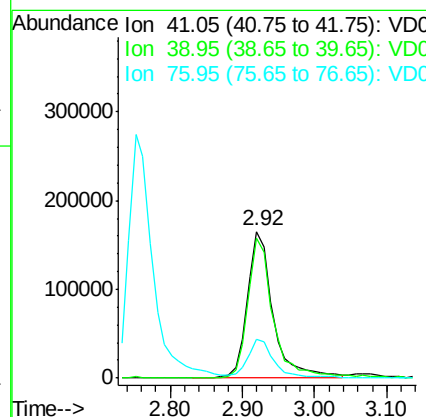
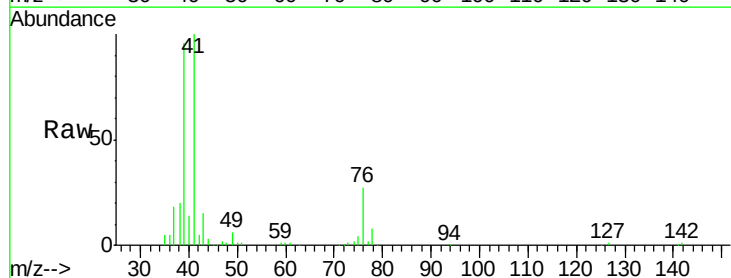
Instrument :
MSVOA_D
ClientSampled :

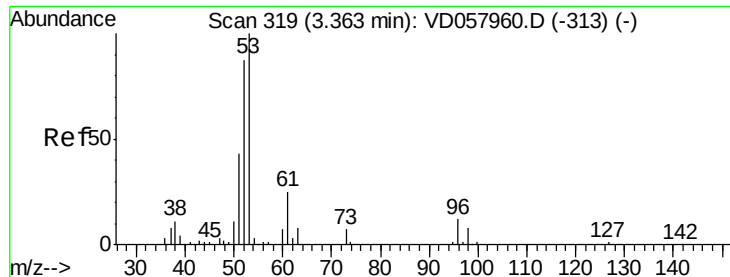
Tot Ion: 56 Resp: 73780
Ion Ratio Lower Upper
56 100
55 68.4 54.0 81.0



#14
Allyl chloride
Concen: 49.335 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 41 Resp: 412137
Ion Ratio Lower Upper
41 100
39 95.7 79.5 119.3
76 26.9 20.7 31.1





#15

Acrylonitrile

Concen: 199.450 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

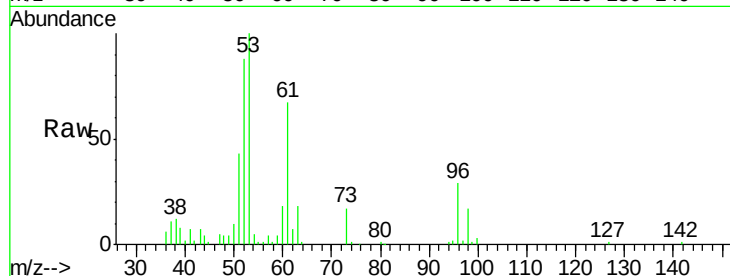
Tot Ion: 53 Resp: 282167

Ion Ratio Lower Upper

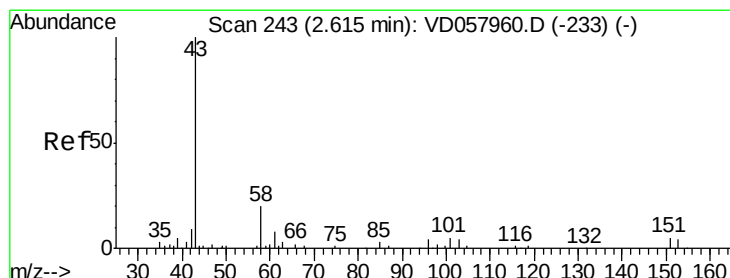
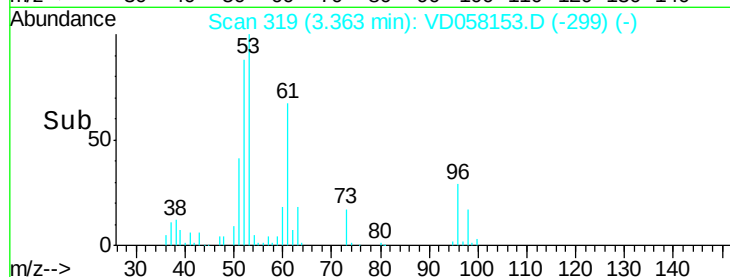
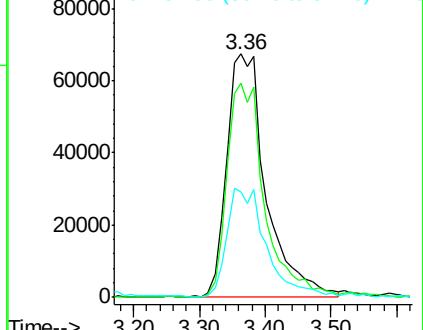
53 100

52 87.9 69.9 104.9

51 43.3 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: 290.119 ug/l

RT: 2.61 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD058153.D

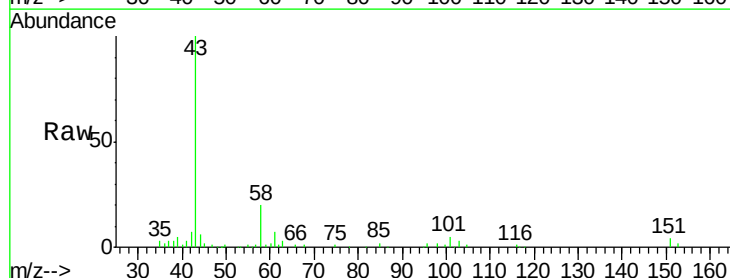
Acq: 15 Jun 2018 15:17

Tgt Ion: 43 Resp: 377323

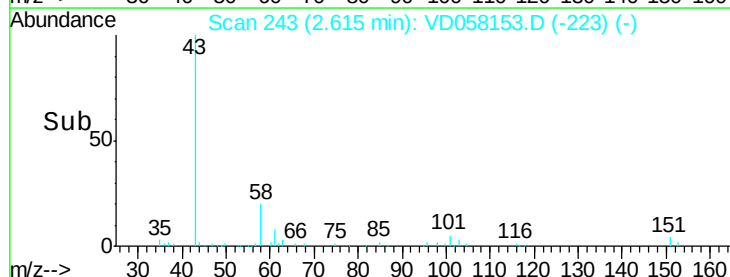
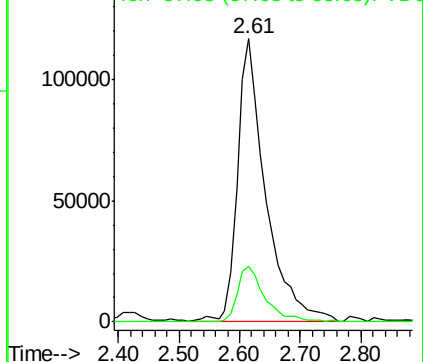
Ion Ratio Lower Upper

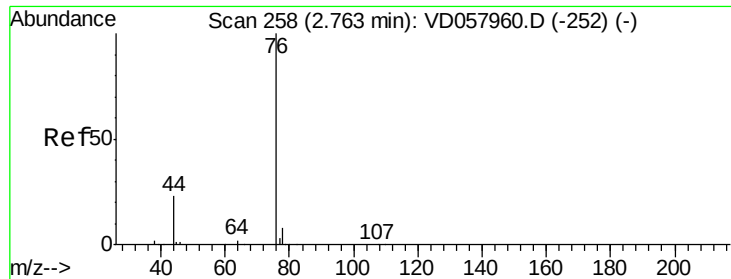
43 100

58 19.5 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: 48.849 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

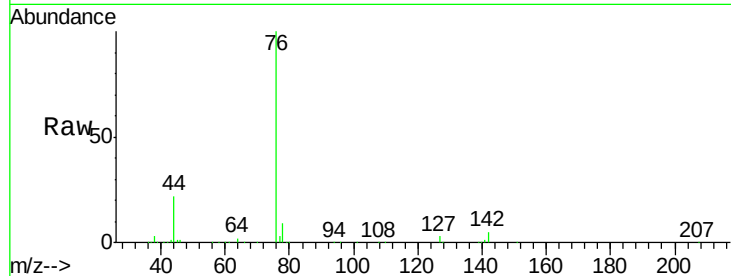
ClientSampleId :

Tot Ion: 76 Resp: 640850

Ion Ratio Lower Upper

76 100

78 8.7 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.75

250000

200000

150000

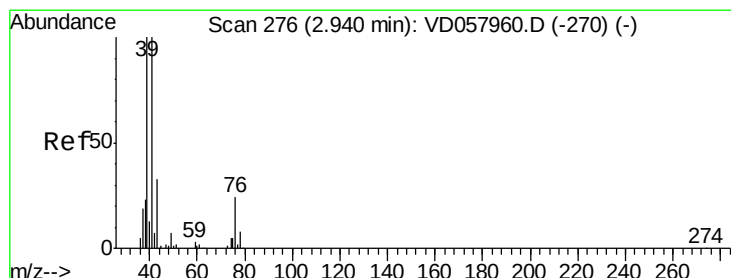
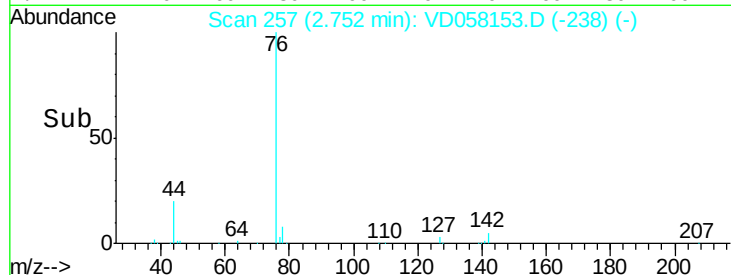
100000

50000

0

2.70 2.80 2.90

Time-->



#18

Methyl Acetate

Concen: 48.907 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.00 min

Lab File: VD058153.D

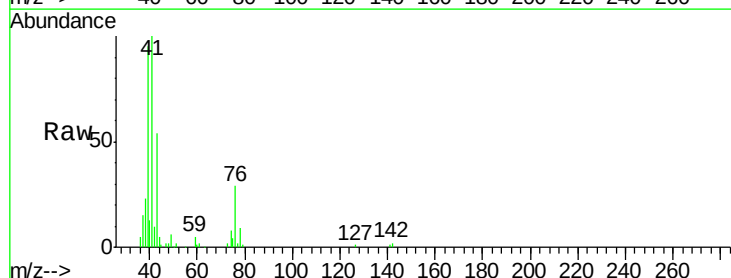
Acq: 15 Jun 2018 15:17

Tgt Ion: 43 Resp: 123047

Ion Ratio Lower Upper

43 100

74 15.6 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.94

50000

40000

30000

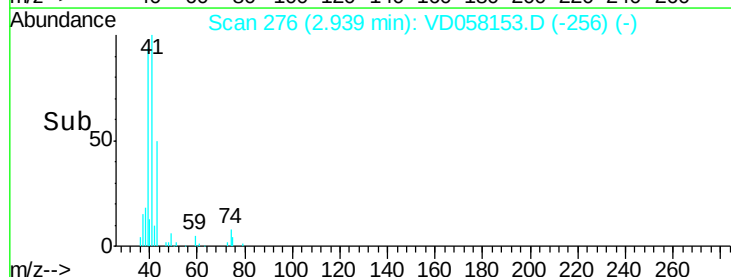
20000

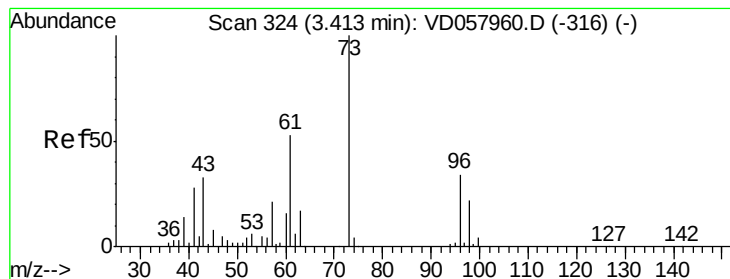
10000

0

2.80 2.90 3.00 3.10

Time-->



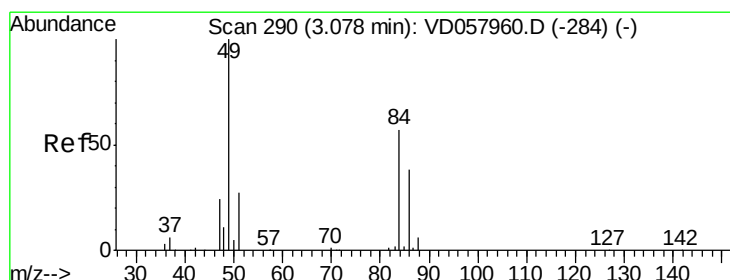
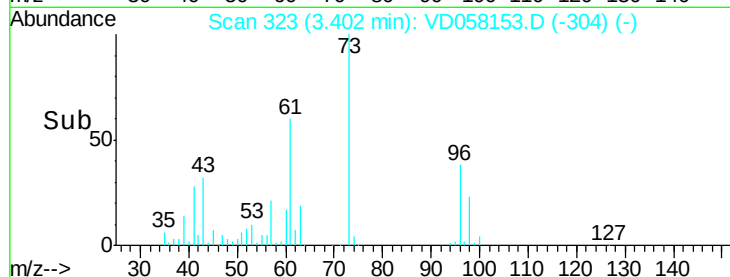
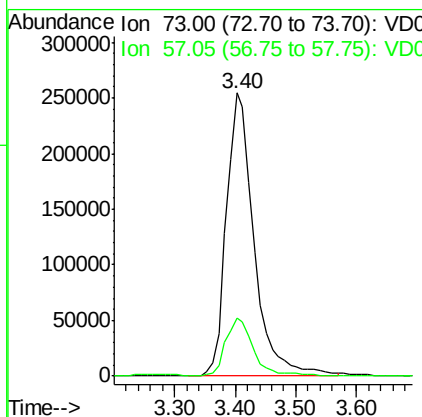
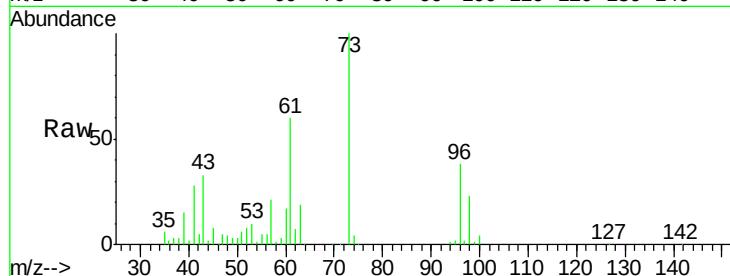


#19

Methyl tert-butyl Ether
 Concen: 50.669 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleID :

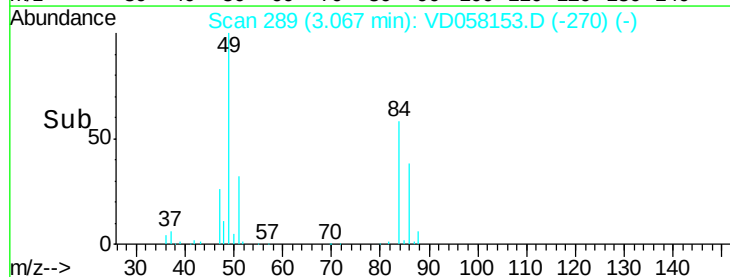
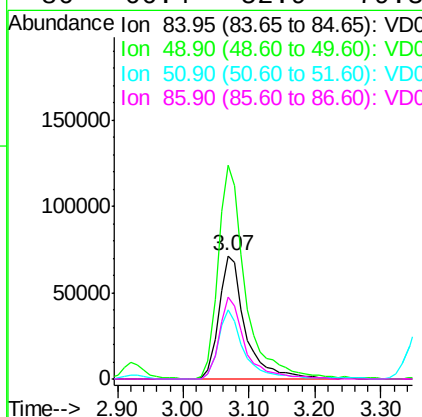
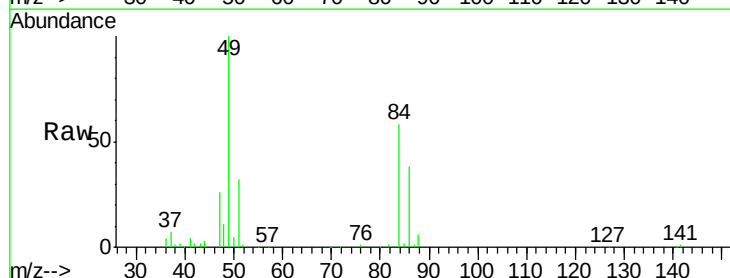
Tot Ion: 73 Resp: 807398
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.7 25.1

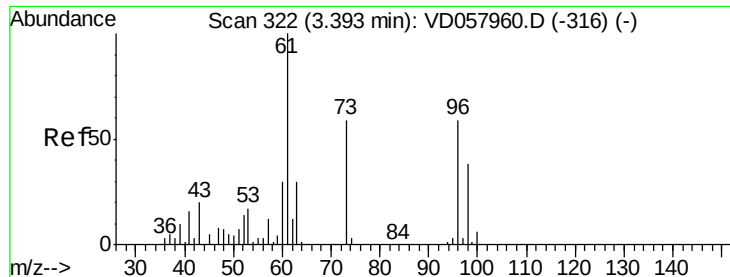


#20

Methylene Chloride
 Concen: 56.094 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 84 Resp: 199053
 Ion Ratio Lower Upper
 84 100
 49 173.6 141.4 212.0
 51 56.2 38.3 57.5
 86 66.4 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 45.790 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

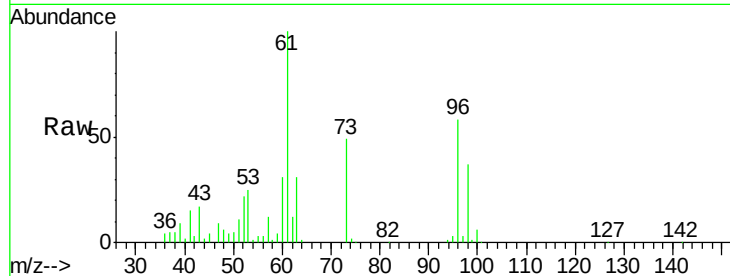
Tot Ion: 96 Resp: 369348

Ion Ratio Lower Upper

96 100

61 173.8 135.2 202.8

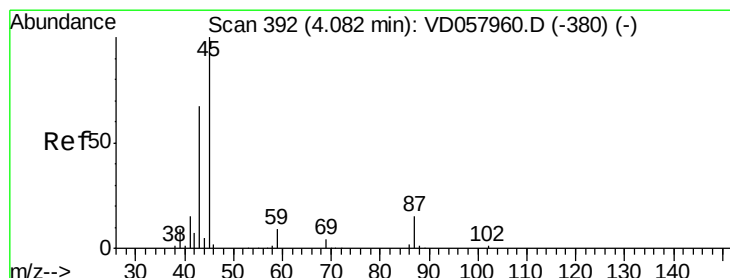
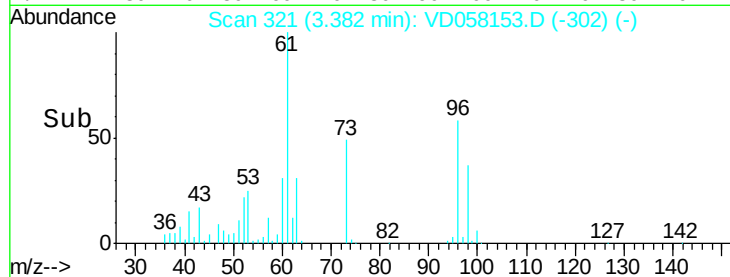
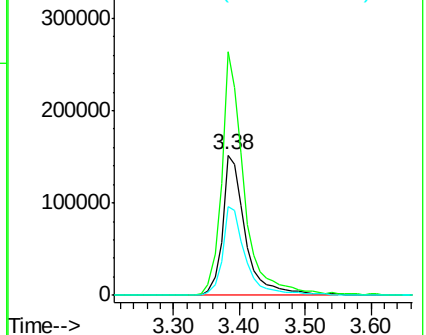
98 63.5 51.7 77.5



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: 45.521 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion: 45 Resp: 1506549

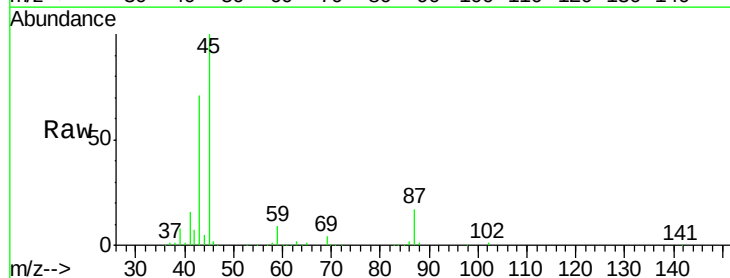
Ion Ratio Lower Upper

45 100

43 70.9 53.8 80.8

87 16.6 12.5 18.7

59 8.9 7.3 10.9

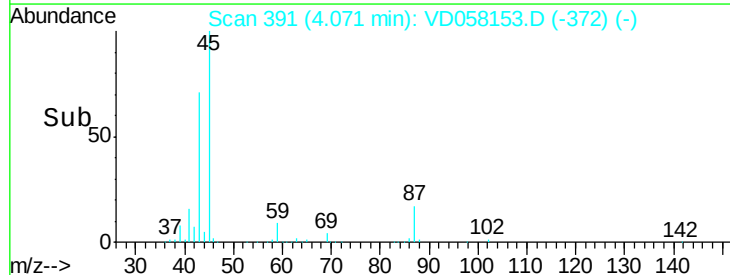
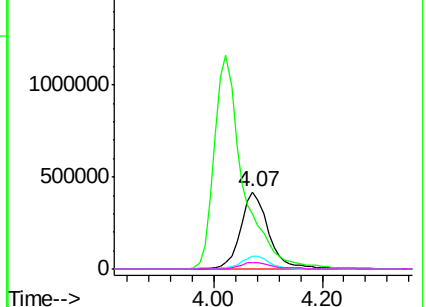


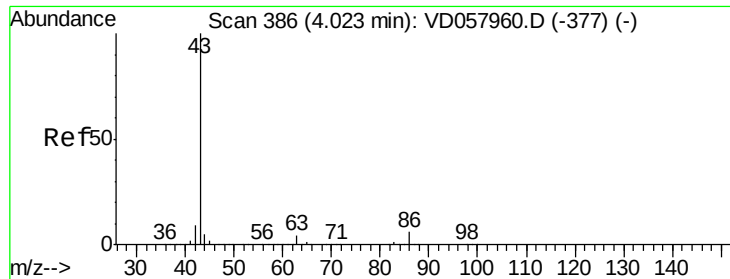
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 247.779 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

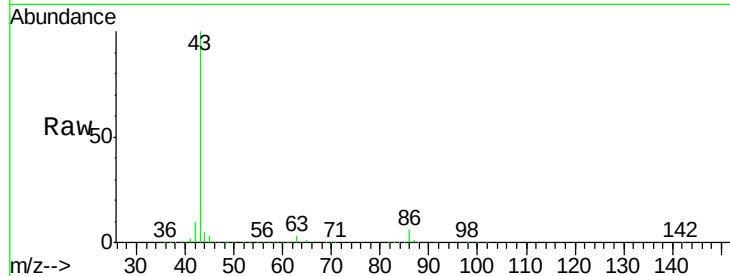
ClientSampled :

Tot Ion: 43 Resp: 4236982

Ion Ratio Lower Upper

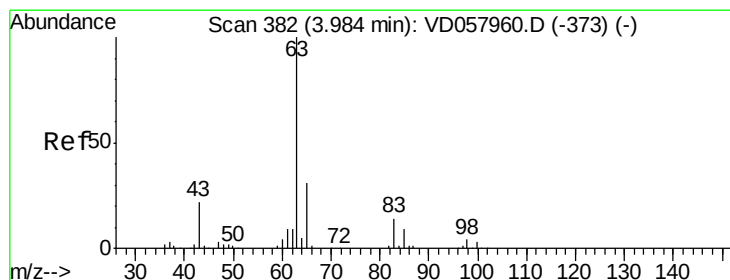
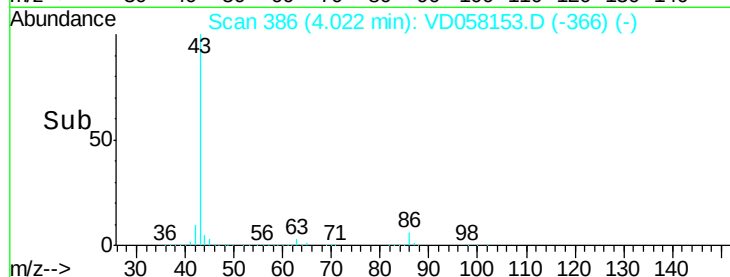
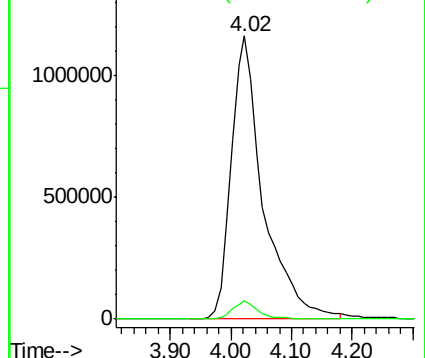
43 100

86 6.3 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.773 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

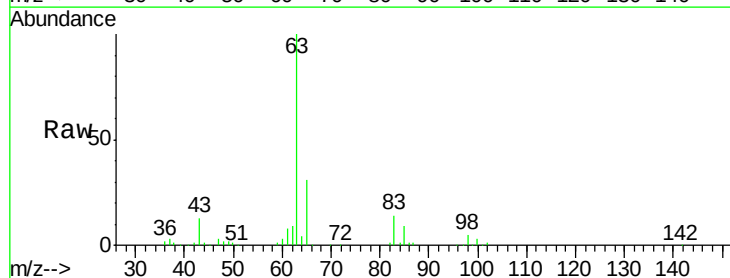
Tgt Ion: 63 Resp: 850751

Ion Ratio Lower Upper

63 100

98 5.1 2.0 5.8

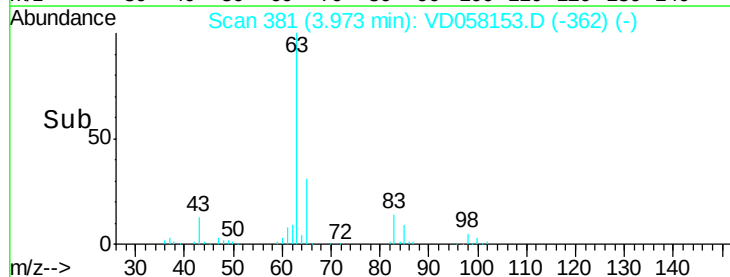
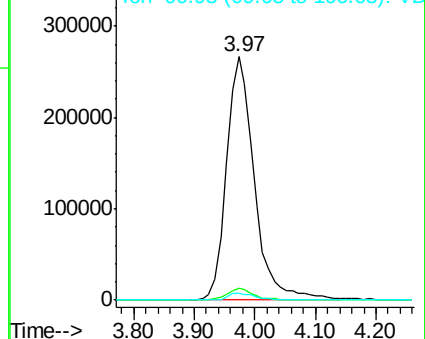
100 3.0 1.4 4.2

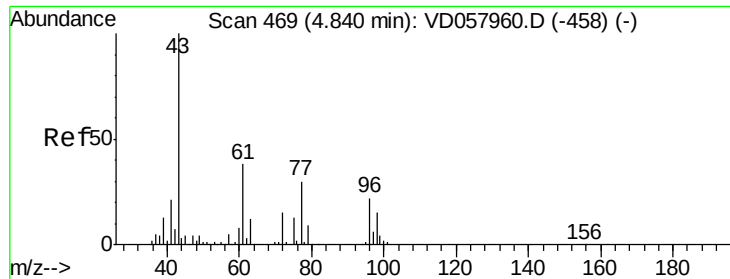


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 247.694 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

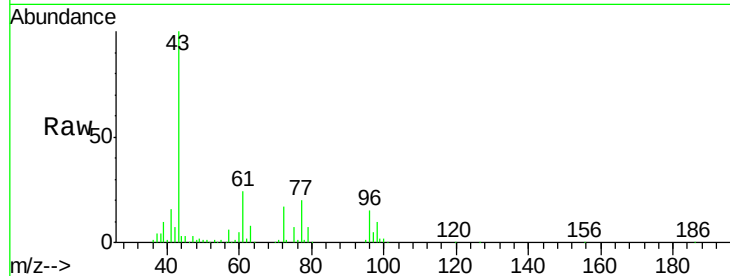
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 732117

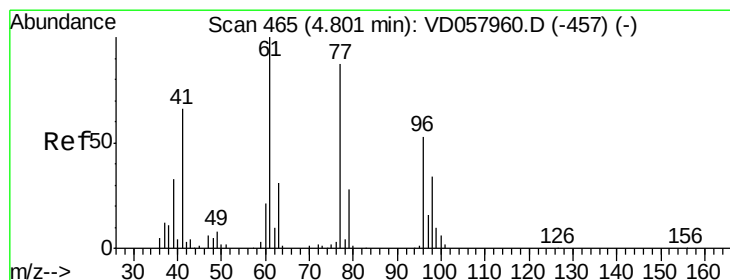
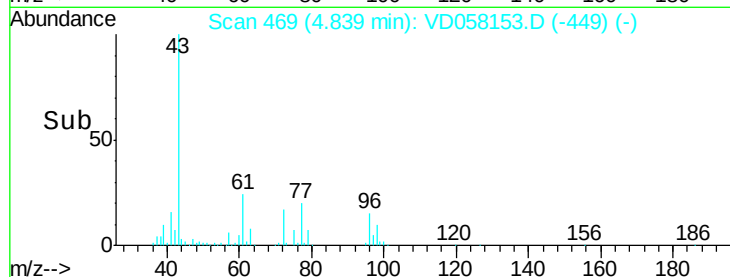
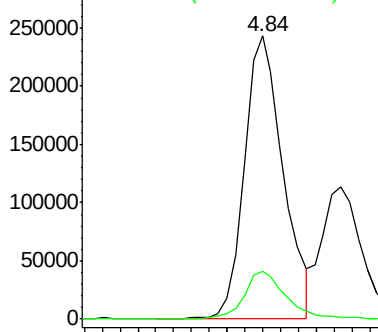
Ion Ratio Lower Upper

43 100

72 17.0 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: 49.527 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058153.D

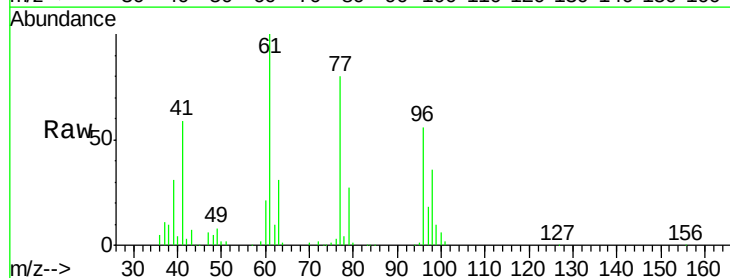
Acq: 15 Jun 2018 15:17

Tgt Ion: 77 Resp: 742090

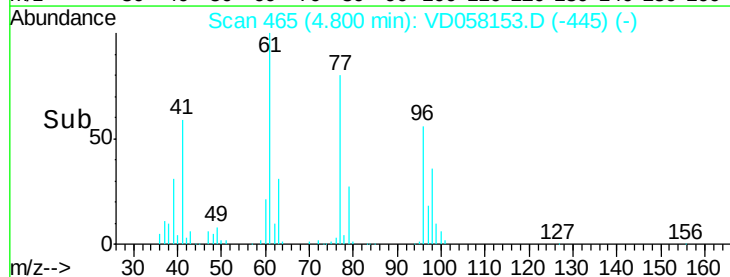
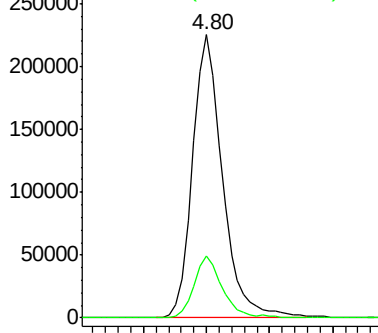
Ion Ratio Lower Upper

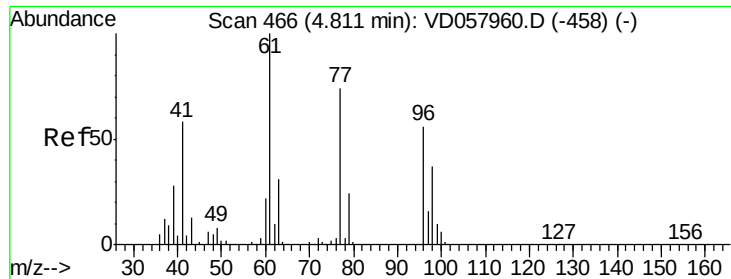
77 100

97 21.9 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



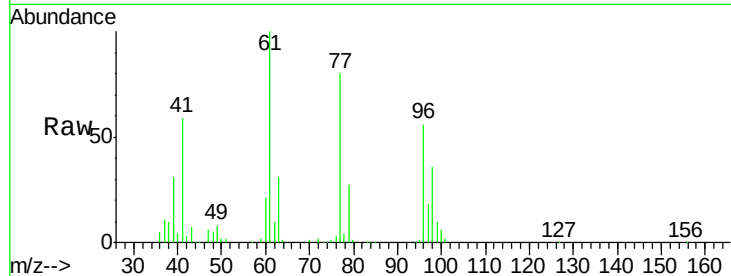


#27

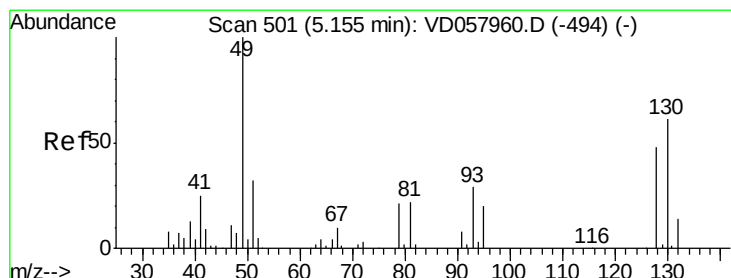
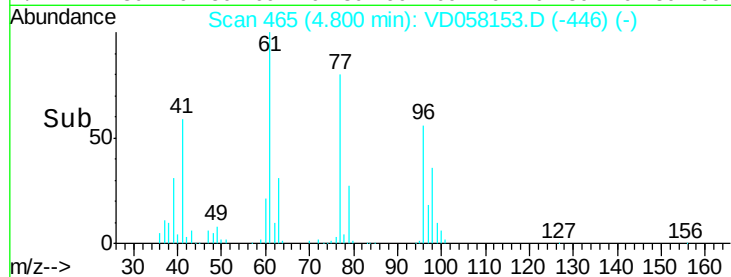
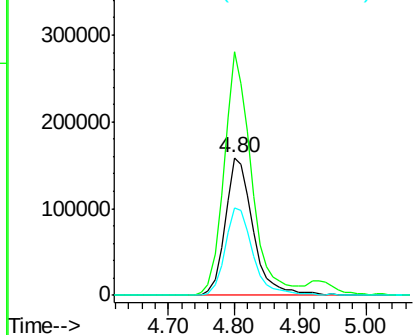
cis-1,2-Dichloroethene
Concen: 49.034 ug/l
RT: 4.80 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 469082
Ion Ratio Lower Upper
96 100
61 177.0 0.0 355.0
98 63.3 0.0 129.6



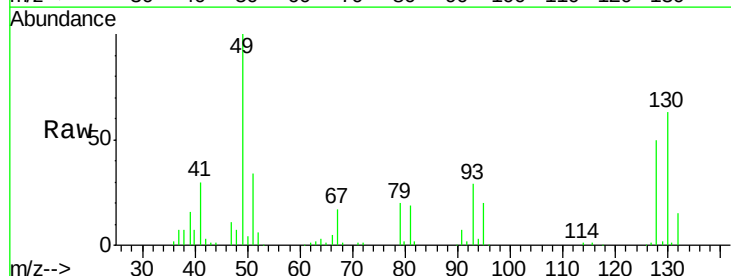
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



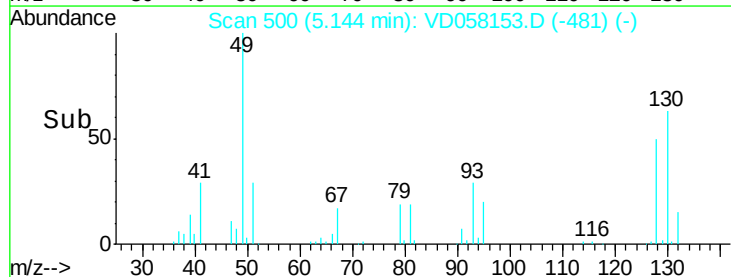
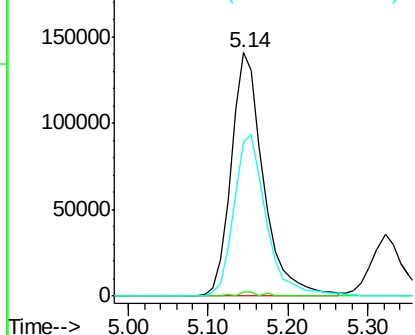
#28

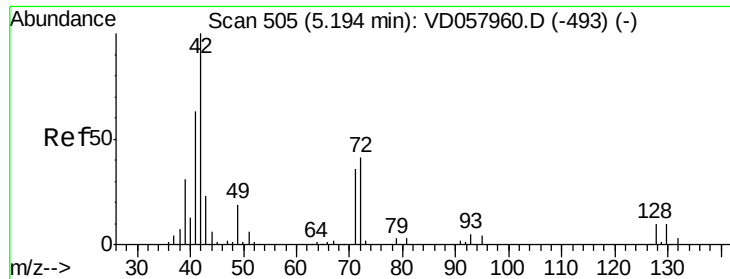
Bromochloromethane
Concen: 50.461 ug/l
RT: 5.14 min Scan# 500
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 49 Resp: 397250
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 63.2 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

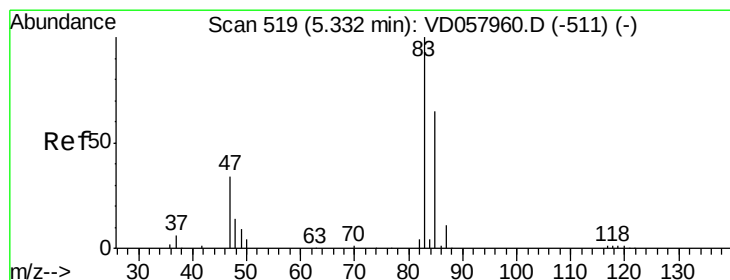
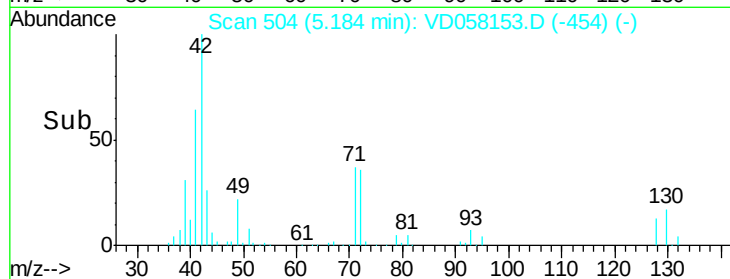
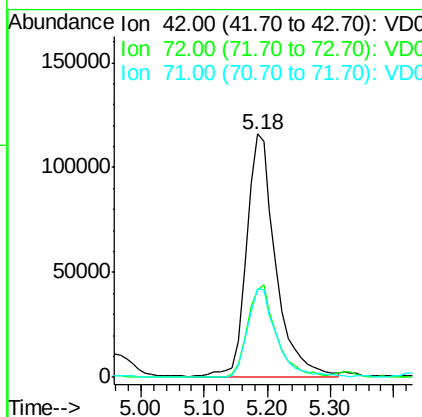
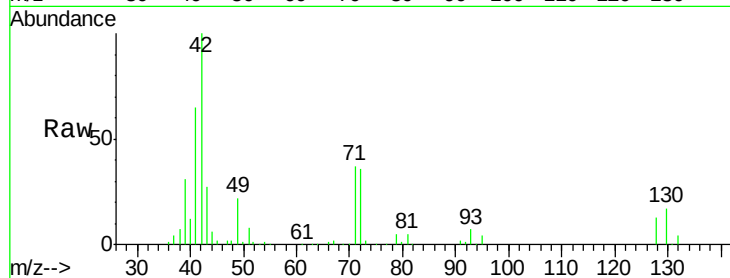




#29
Tetrahydrofuran
Concen: 239.316 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

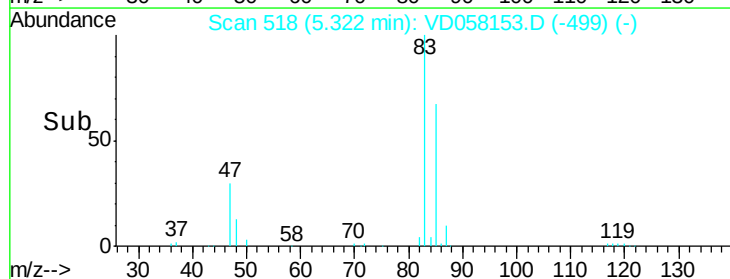
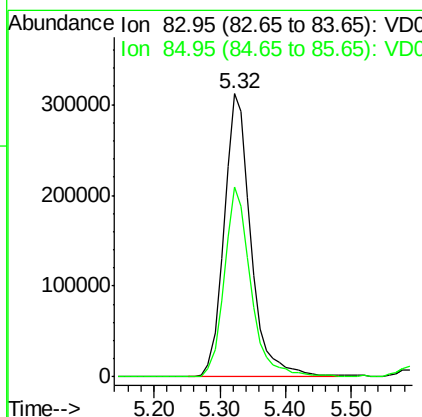
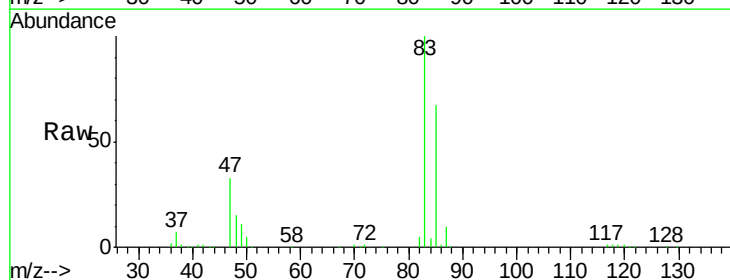
Instrument :
MSVOA_D
ClientSampled :

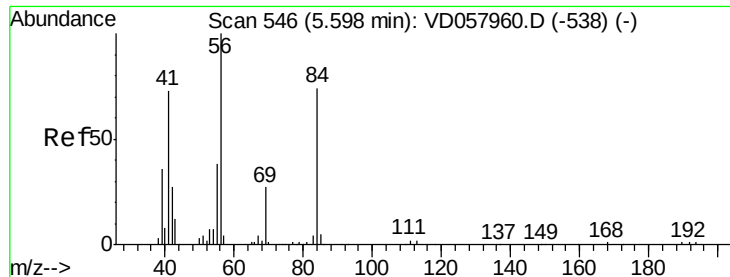
Tot Ion: 42 Resp: 370799
Ion Ratio Lower Upper
42 100
72 37.7 28.5 42.7
71 36.4 27.9 41.9



#30
Chloroform
Concen: 48.471 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 83 Resp: 887295
Ion Ratio Lower Upper
83 100
85 67.1 51.6 77.4

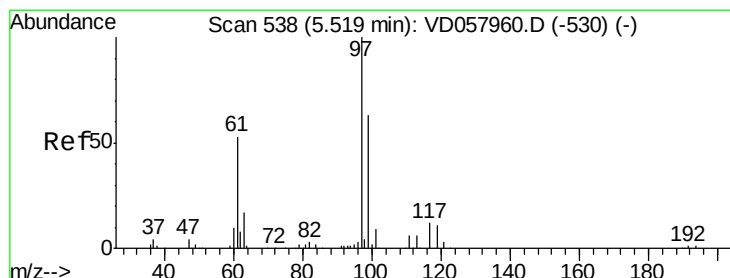
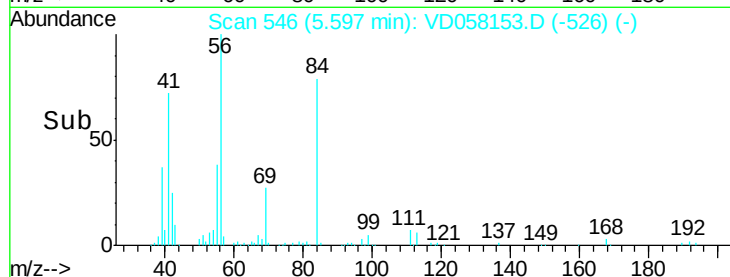
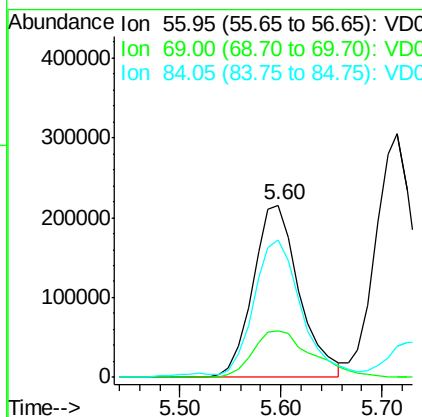
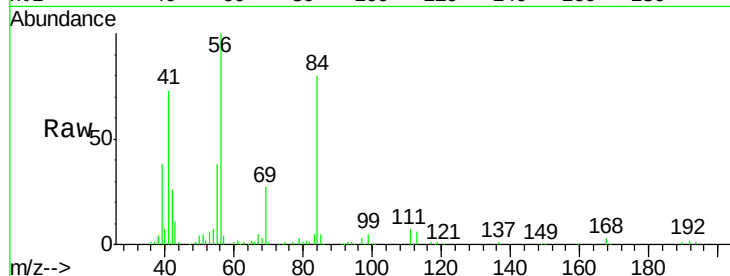




#31
Cyclohexane
Concen: 43.697 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

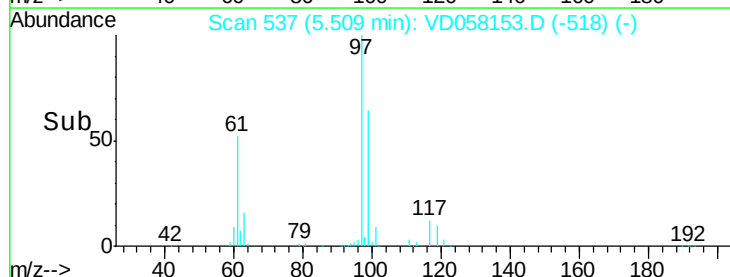
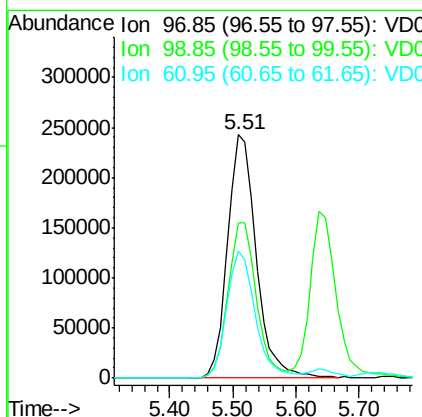
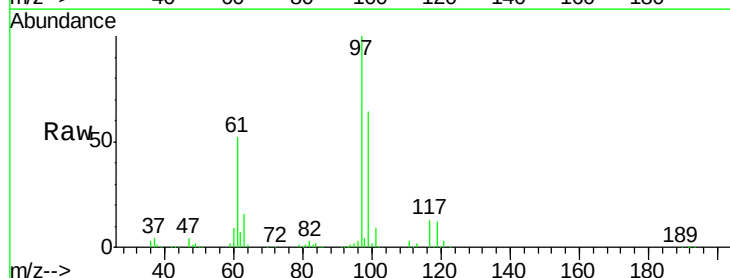
Instrument :
MSVOA_D
ClientSampleId :

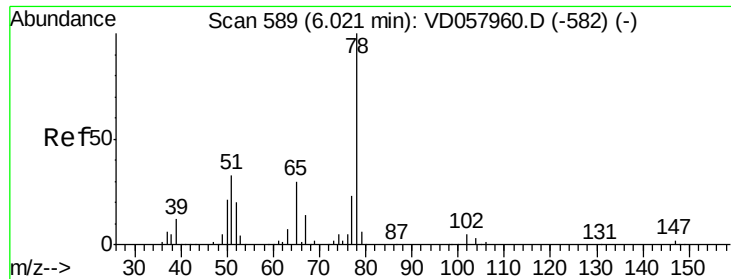
Tot Ion: 56 Resp: 685901
Ion Ratio Lower Upper
56 100
69 26.9 21.5 32.3
84 79.6 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 49.895 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 97 Resp: 764754
Ion Ratio Lower Upper
97 100
99 63.7 50.1 75.1
61 52.1 42.2 63.4

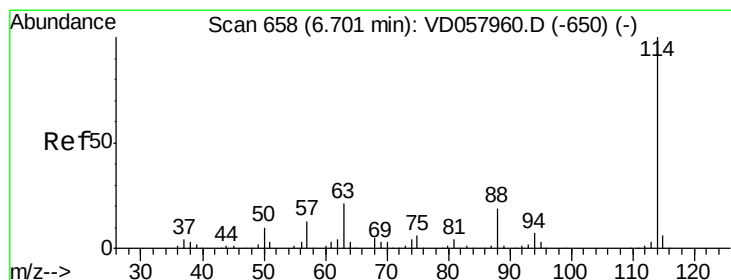
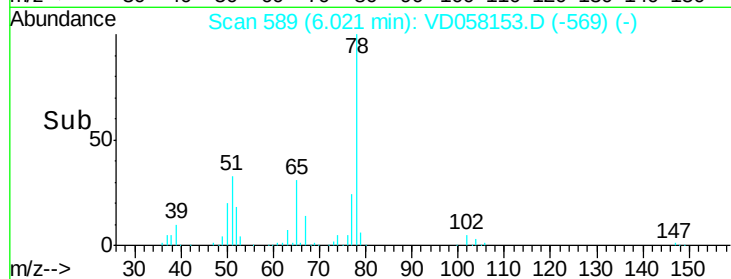
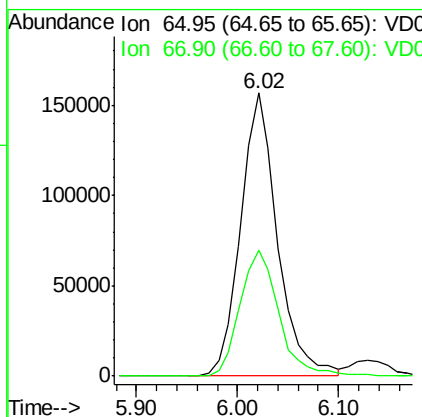
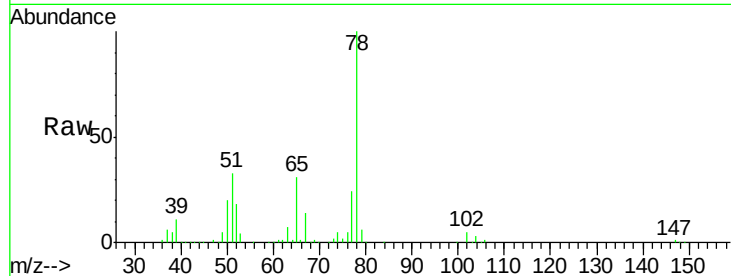




#33
 1,2-Dichloroethane-d4
 Concen: 49.895 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

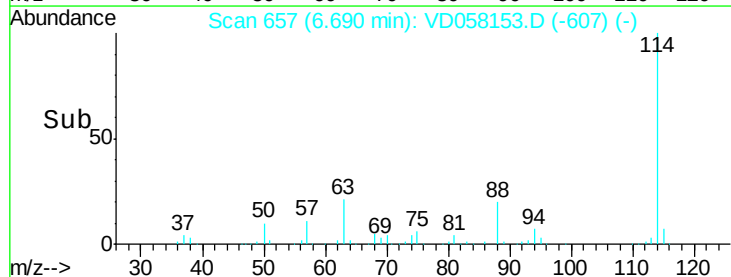
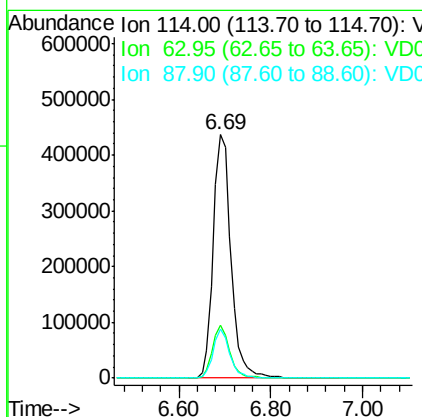
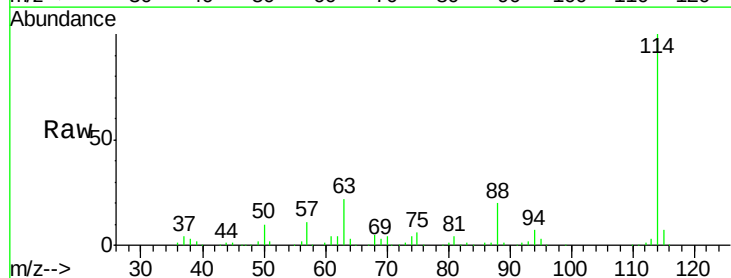
Instrument :
 MSVOA_D
 ClientSampleId :

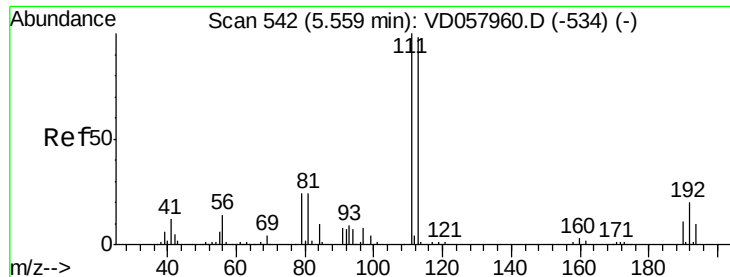
Tot Ion: 65 Resp: 397452
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 114 Resp: 1153468
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 20.1 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

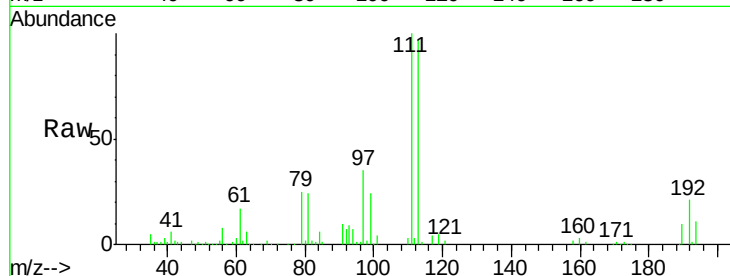
Tot Ion:113 Resp: 429606

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

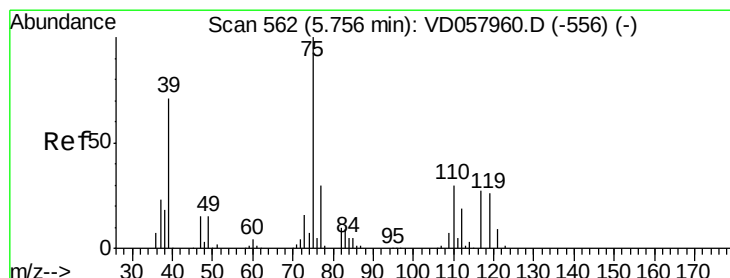
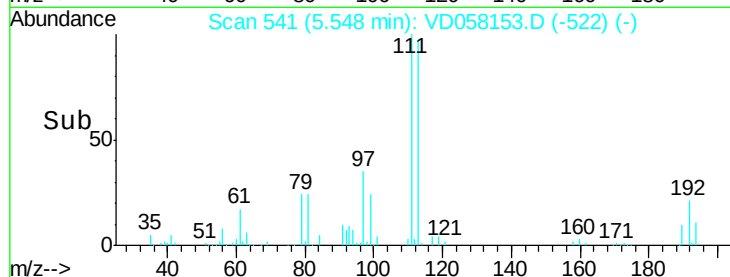
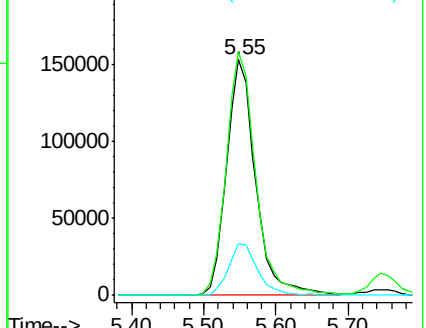
192 21.8 16.4 24.6



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: 50.157 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

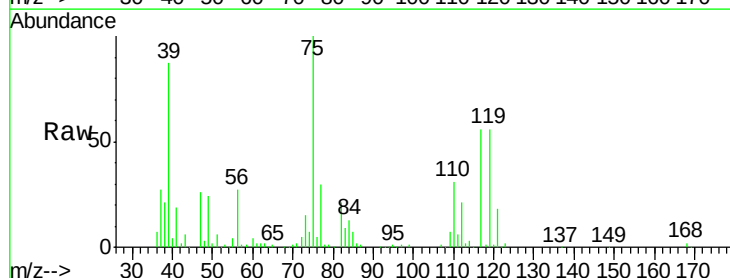
Tgt Ion: 75 Resp: 637406

Ion Ratio Lower Upper

75 100

110 31.4 14.8 44.3

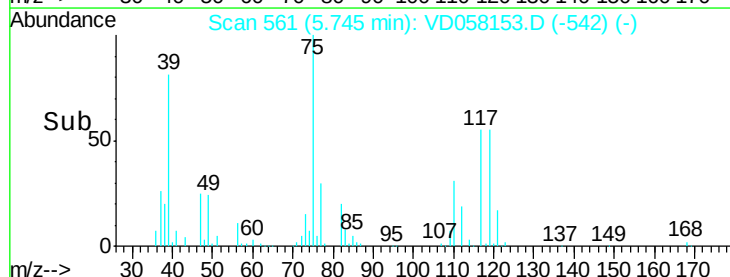
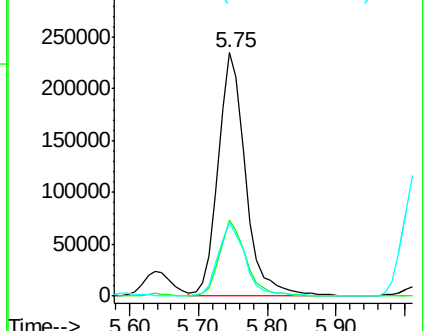
77 30.2 23.9 35.9

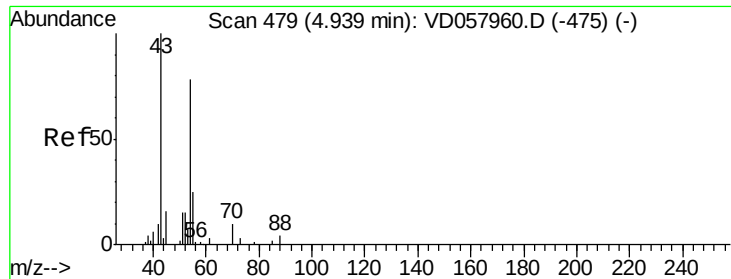


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

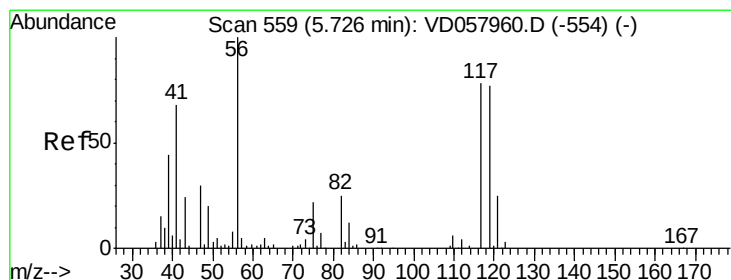
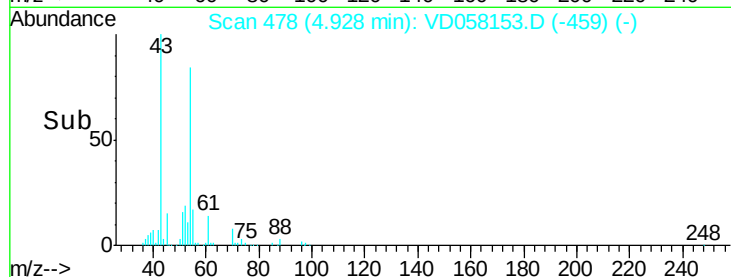
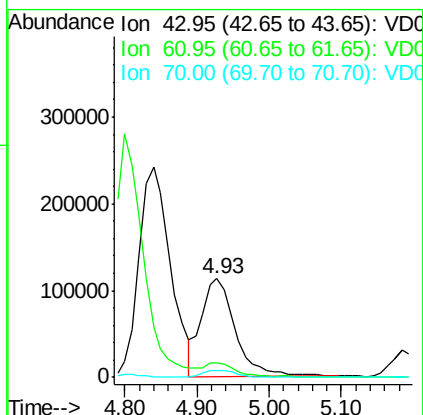
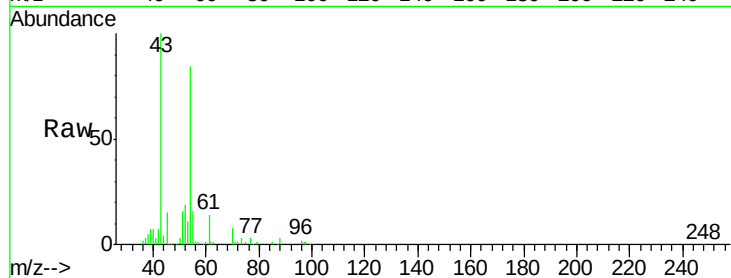




#37
Ethyl Acetate
Concen: 52.780 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

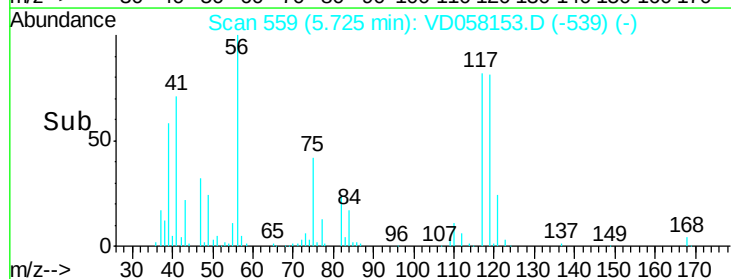
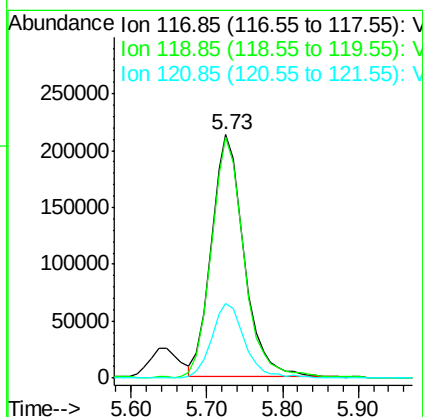
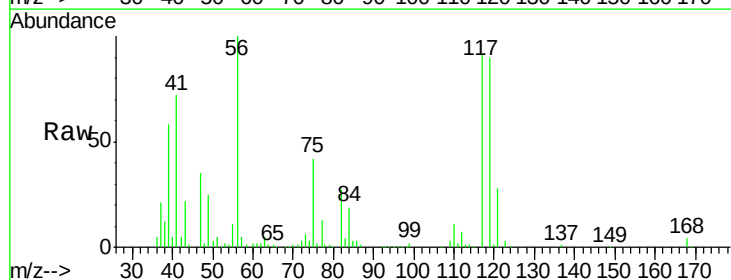
Instrument :
MSVOA_D
ClientSampleId :

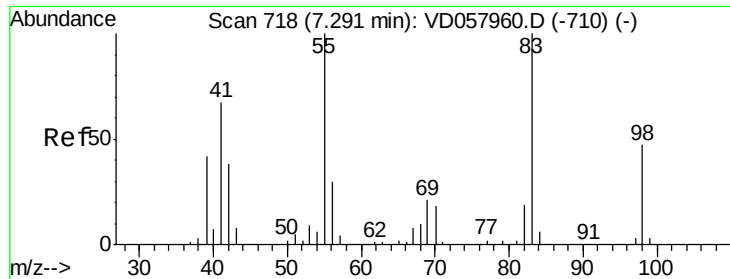
Tot Ion: 43 Resp: 365985
Ion Ratio Lower Upper
43 100
61 14.3 9.9 14.9
70 7.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 50.777 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 117 Resp: 635954
Ion Ratio Lower Upper
117 100
119 98.9 76.1 114.1
121 30.8 24.9 37.3

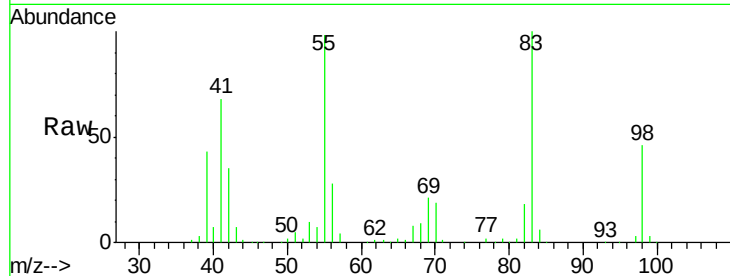




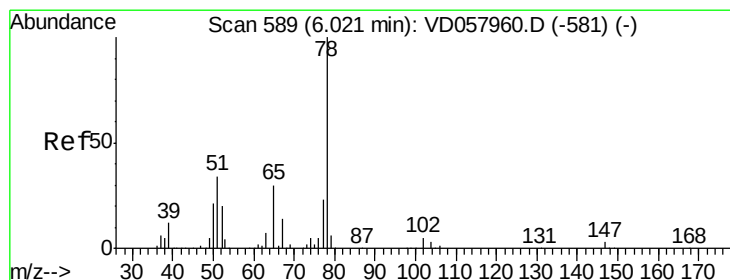
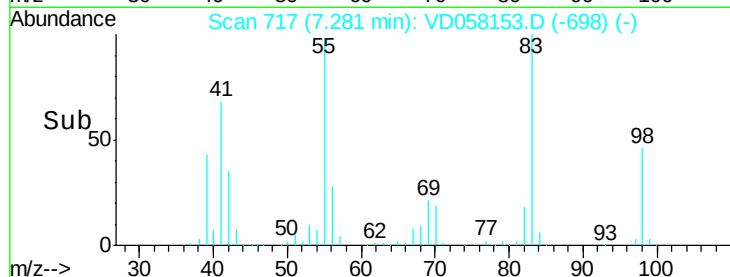
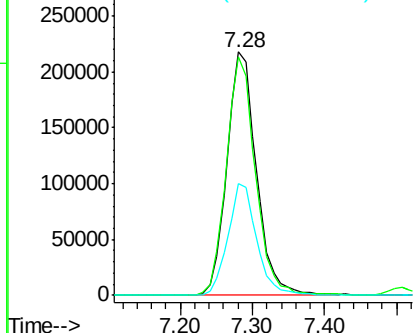
#39
Methylvlcyclohexane
Concen: 49.358 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 621798
Ion Ratio Lower Upper
83 100
55 97.7 80.3 120.5
98 45.7 38.0 57.0

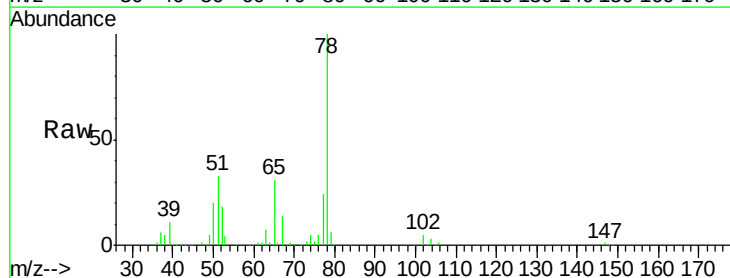


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

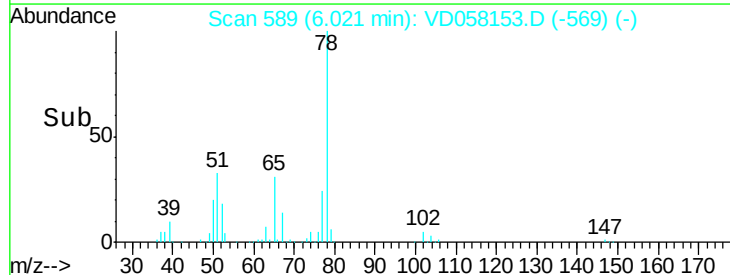
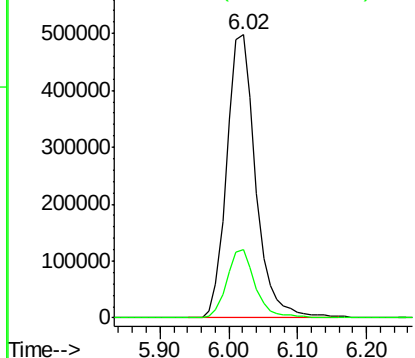


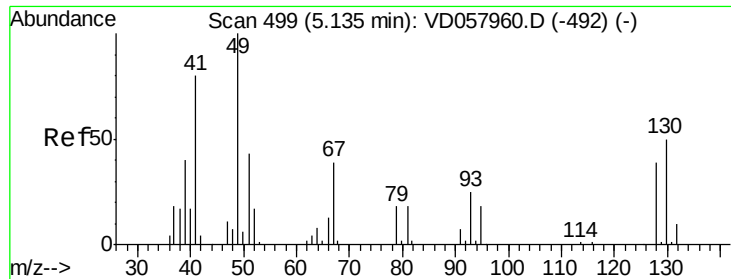
#40
Benzene
Concen: 48.943 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 78 Resp: 1452977
Ion Ratio Lower Upper
78 100
77 24.2 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: 55.371 ug/l

RT: 5.12 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 175559

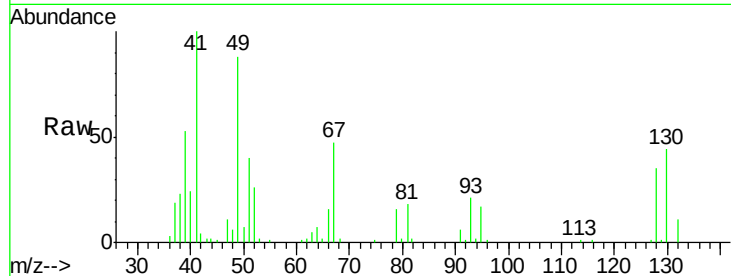
Ion Ratio Lower Upper

41 100

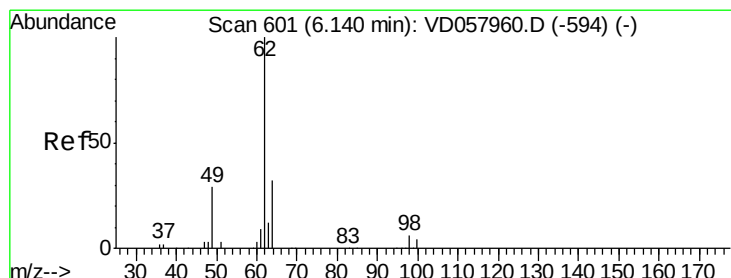
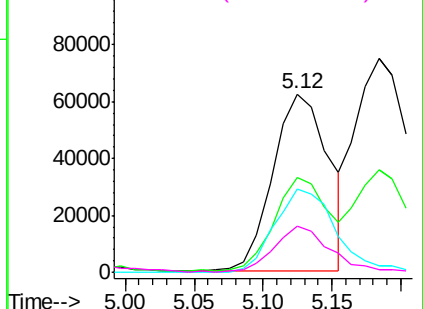
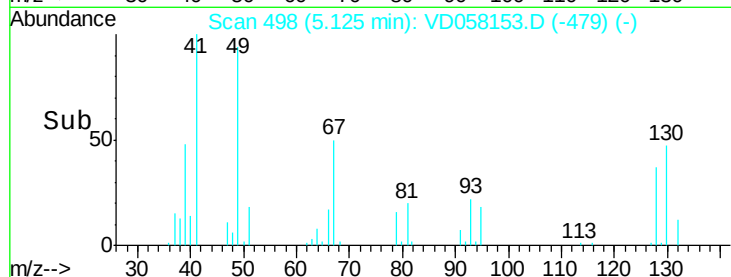
39 53.5 40.7 61.1

67 46.7 38.8 58.2

52 26.0 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: 51.336 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD058153.D

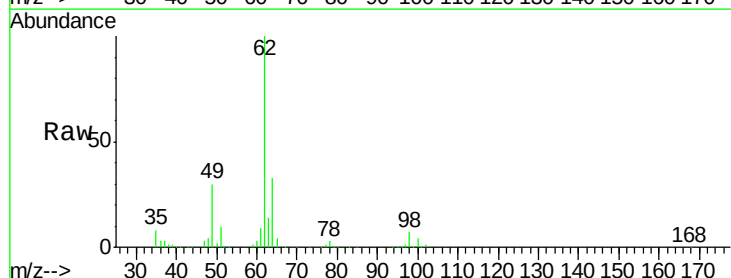
Acq: 15 Jun 2018 15:17

Tgt Ion: 62 Resp: 616188

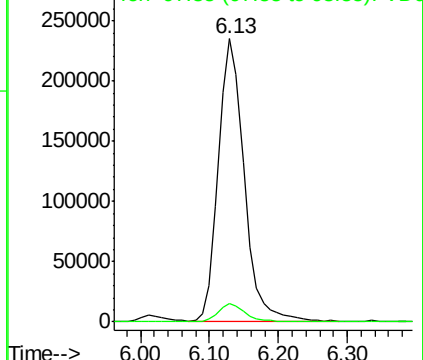
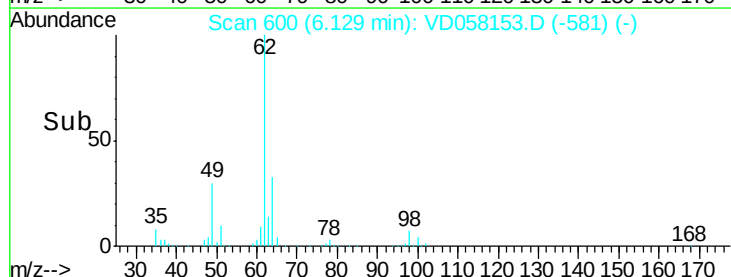
Ion Ratio Lower Upper

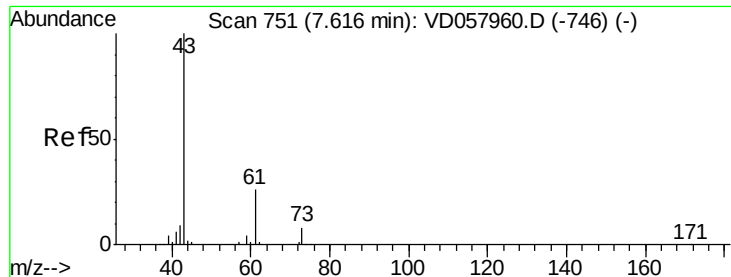
62 100

98 6.7 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: 50.173 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

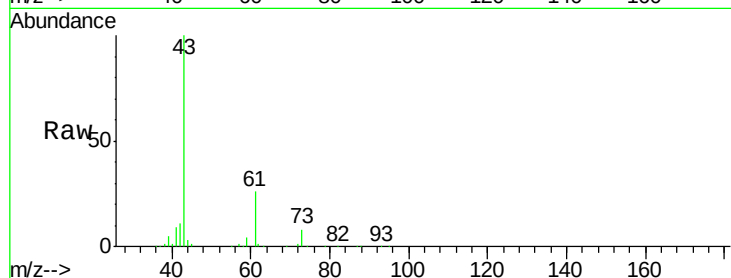
Tot Ion: 43 Resp: 455706

Ion Ratio Lower Upper

43 100

61 26.3 20.6 30.8

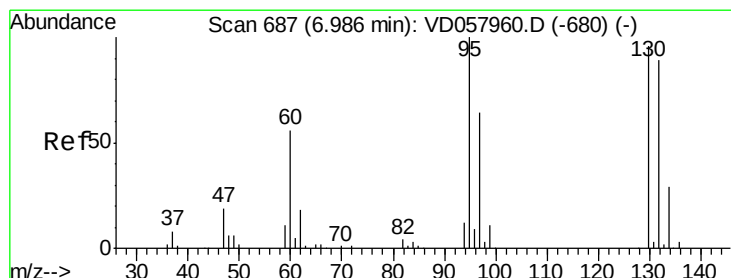
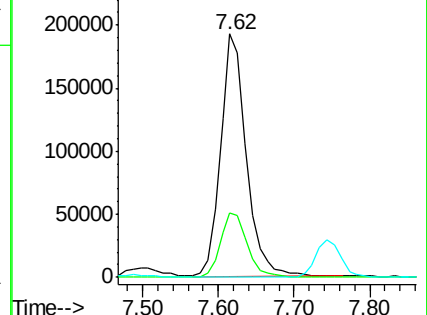
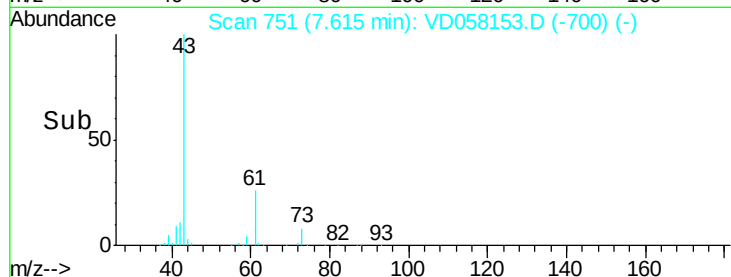
87 0.4 0.2 0.4#



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: 53.201 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD058153.D

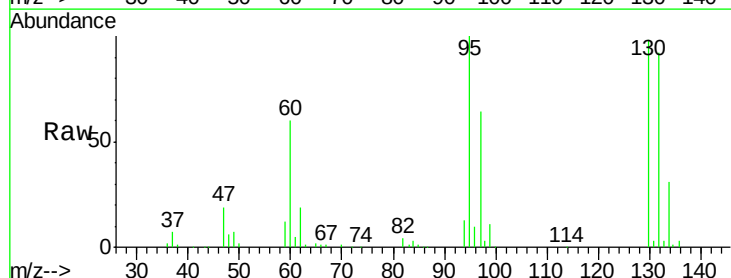
Acq: 15 Jun 2018 15:17

Tgt Ion:130 Resp: 461331

Ion Ratio Lower Upper

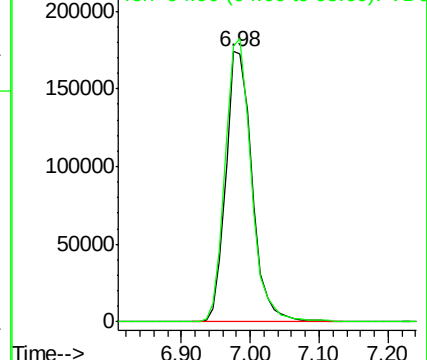
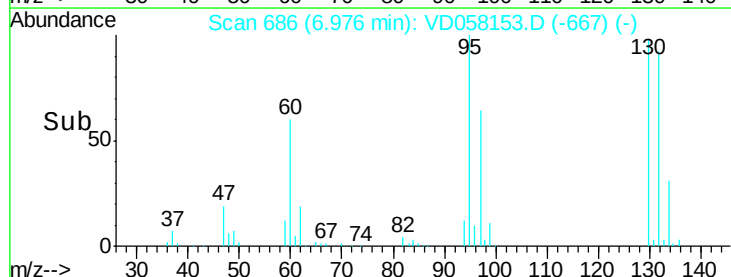
130 100

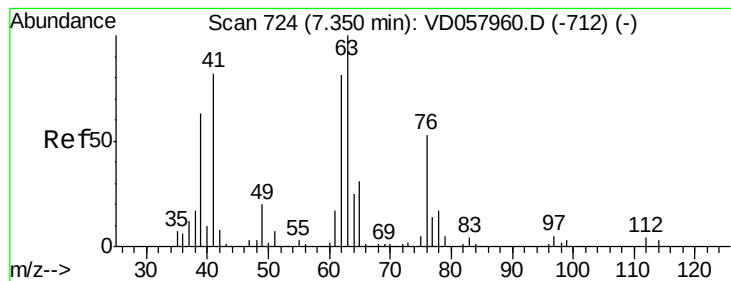
95 101.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.608 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

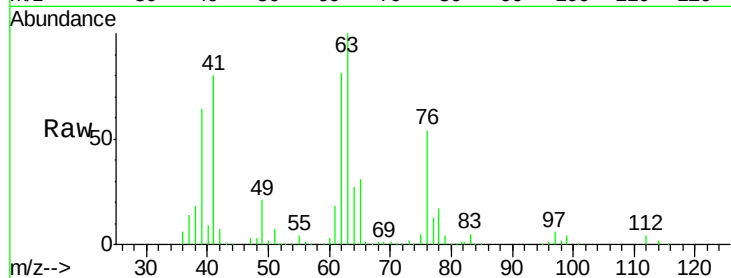
ClientSampleId :

Tot Ion: 63 Resp: 401068

Ion Ratio Lower Upper

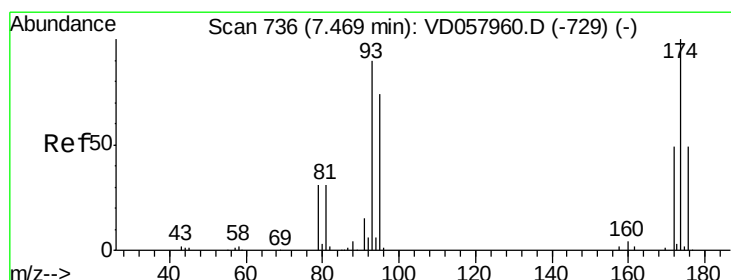
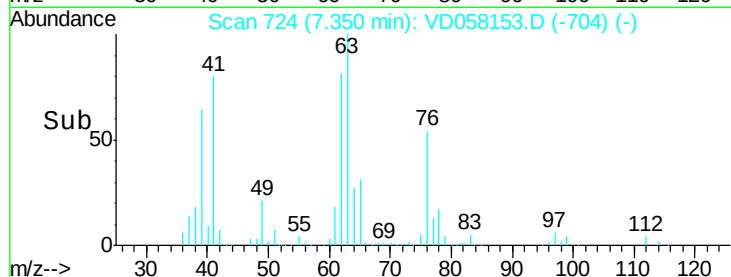
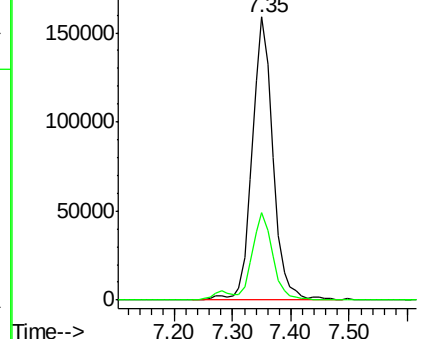
63 100

65 31.1 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.381 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

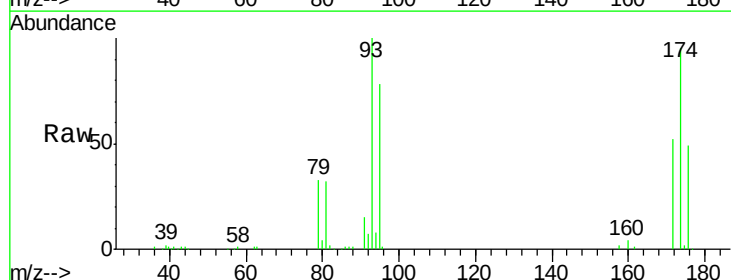
Tgt Ion: 93 Resp: 277639

Ion Ratio Lower Upper

93 100

95 78.4 65.7 98.5

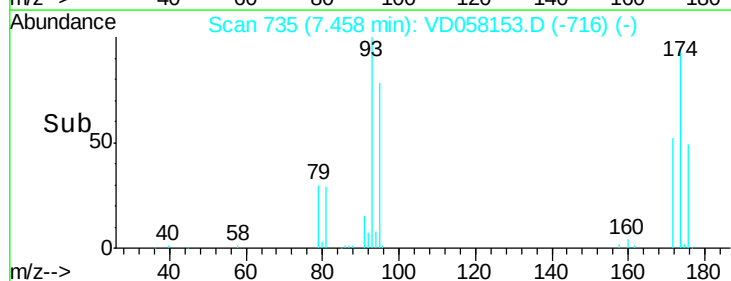
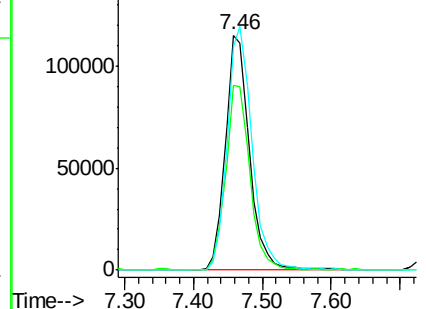
174 95.3 89.0 133.4

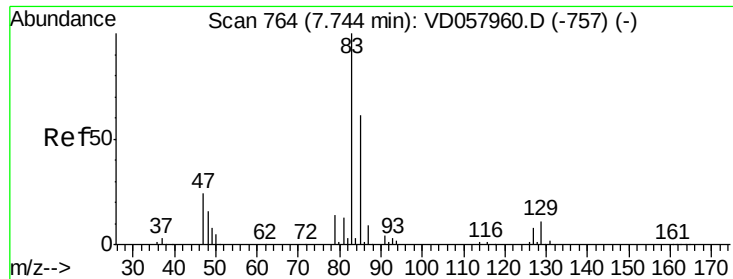


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.392 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

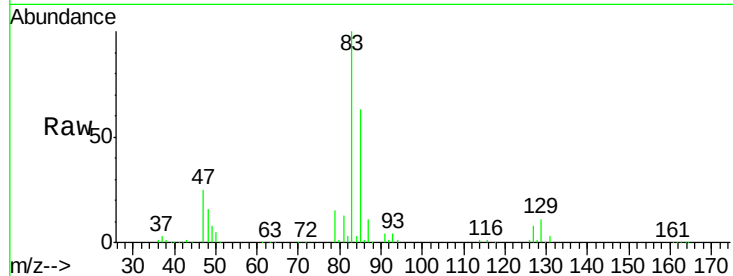
Tot Ion: 83 Resp: 650211

Ion Ratio Lower Upper

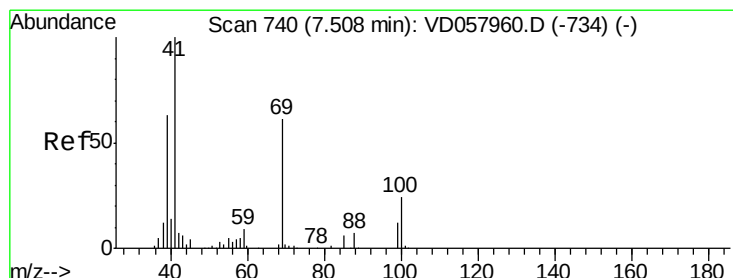
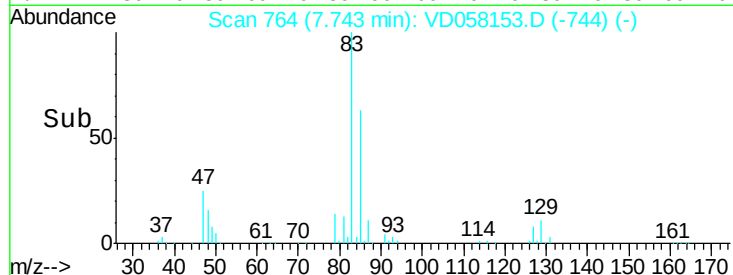
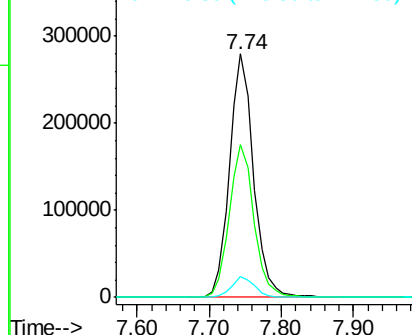
83 100

85 62.9 49.1 73.7

127 8.4 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: 49.739 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

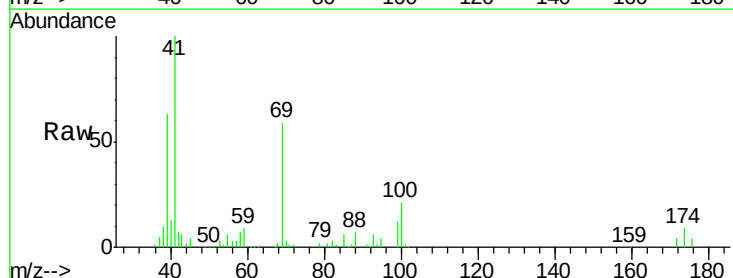
Tgt Ion: 41 Resp: 278059

Ion Ratio Lower Upper

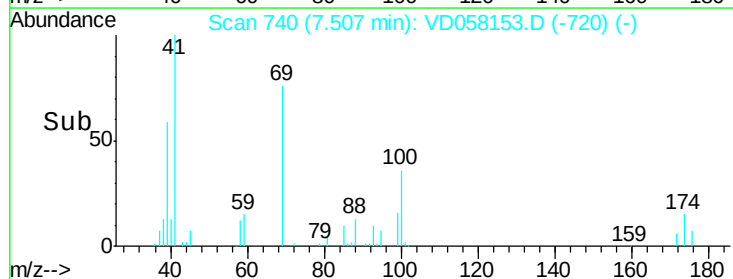
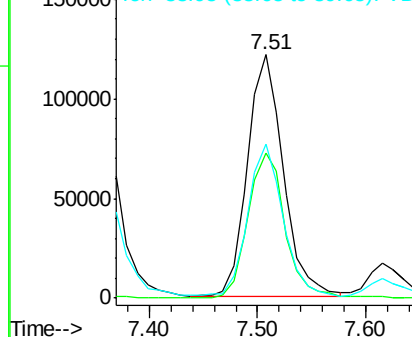
41 100

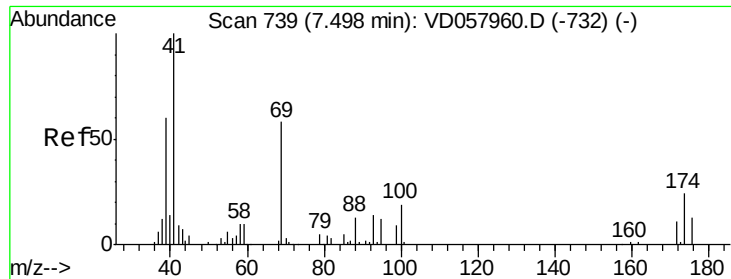
69 59.3 48.0 72.0

39 63.0 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: 1041.621 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

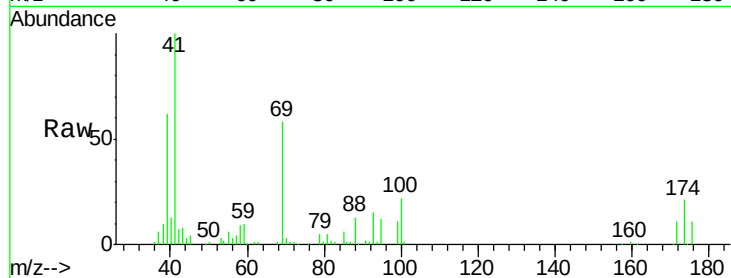
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 88 Resp: 48239

Ion	Ratio	Lower	Upper
88	100		
43	60.4	46.6	69.8
58	69.5	63.6	95.4

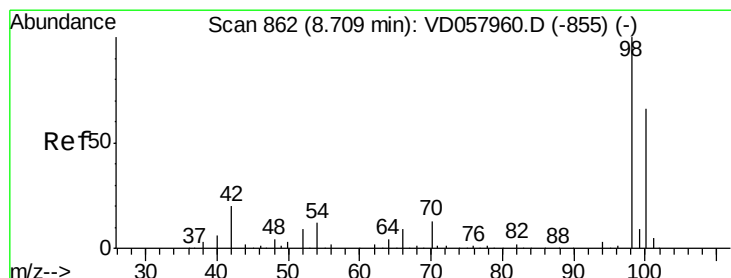
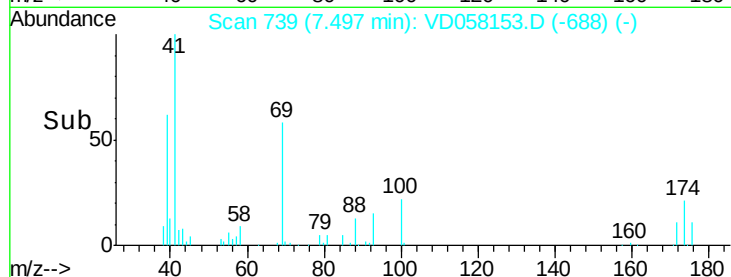
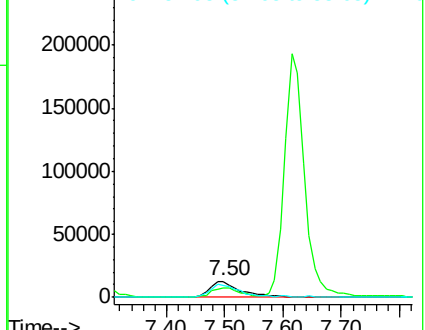


Abundance

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: 1041.621 ug/l

RT: 8.71 min Scan# 862

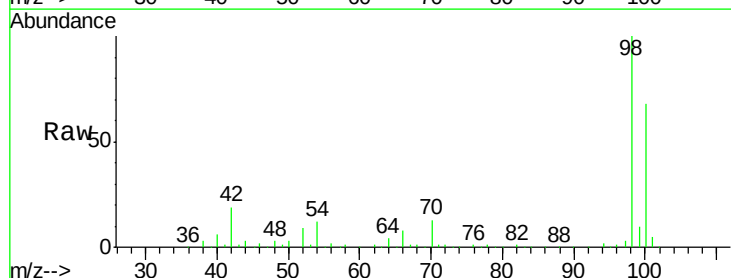
Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion: 98 Resp: 984115

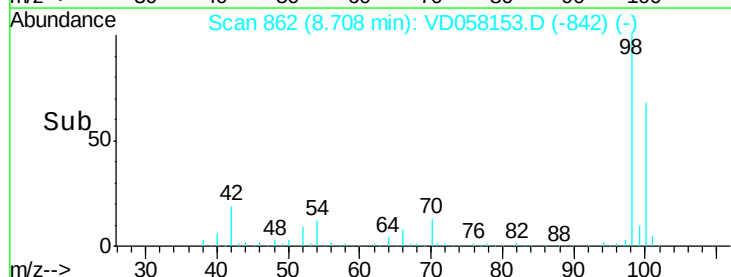
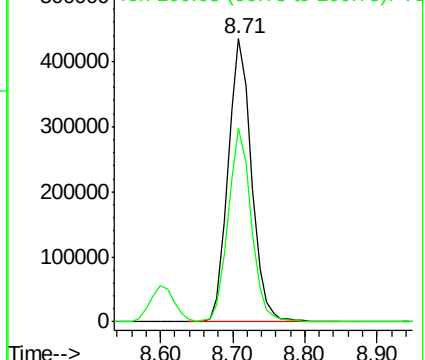
Ion	Ratio	Lower	Upper
98	100		
100	68.5	53.4	80.0

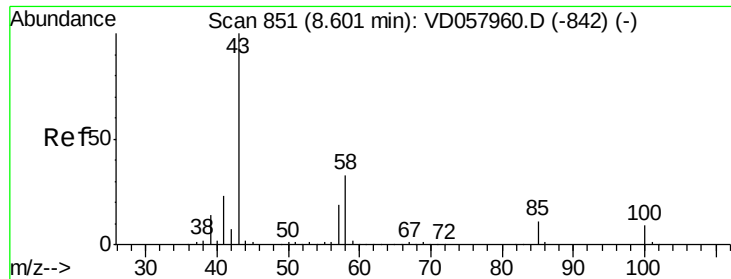


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 251.868 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

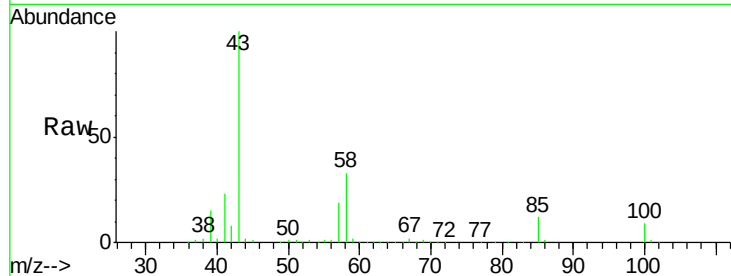
ClientSampleId :

Tot Ion: 43 Resp: 1467316

Ion Ratio Lower Upper

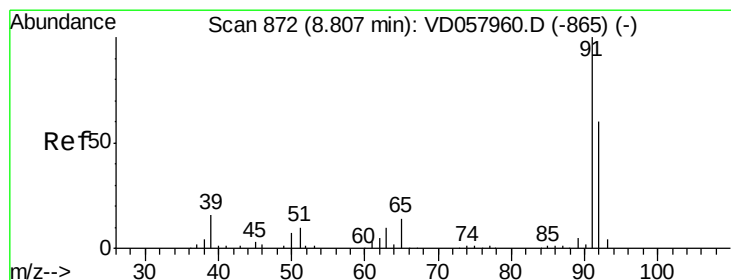
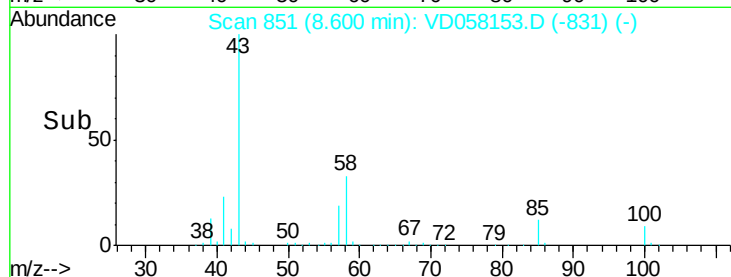
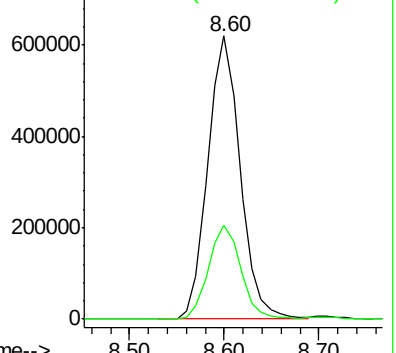
43 100

58 33.3 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: 48.503 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058153.D

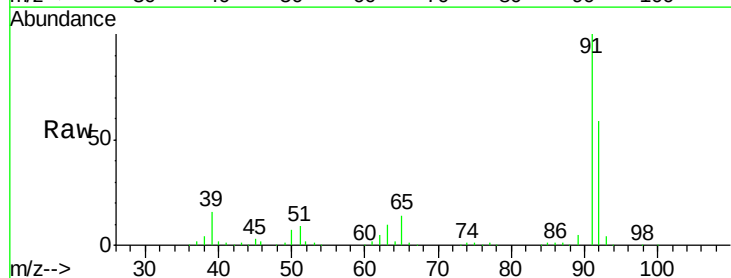
Acq: 15 Jun 2018 15:17

Tgt Ion: 92 Resp: 826390

Ion Ratio Lower Upper

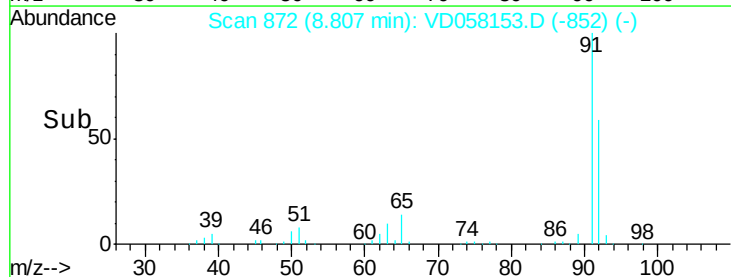
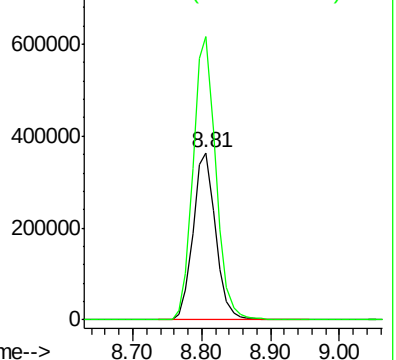
92 100

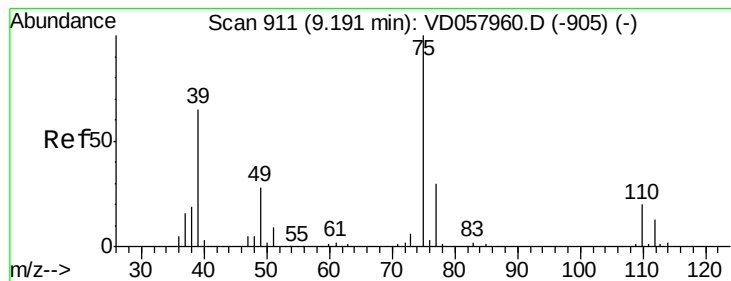
91 169.2 133.0 199.6



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: 52.298 ug/l

RT: 9.19 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

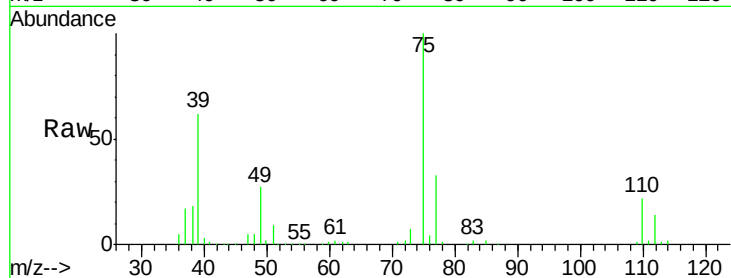
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 559186

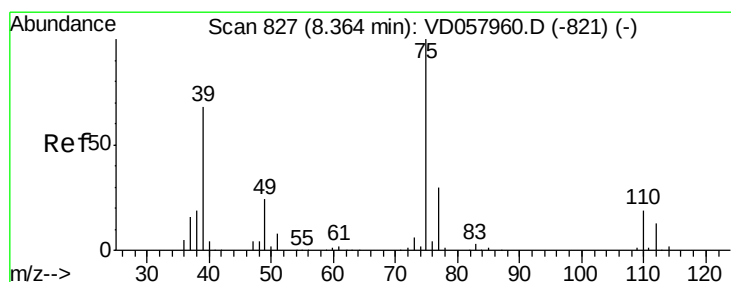
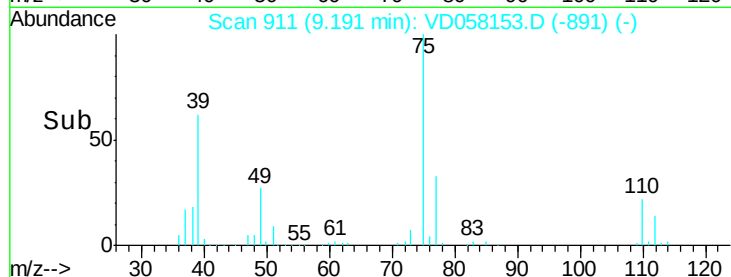
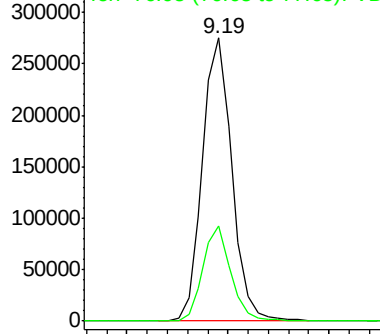
Ion Ratio Lower Upper

75 100

77 33.5 24.3 36.5



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



#54

cis-1,3-Dichloropropene

Concen: 49.910 ug/l

RT: 8.36 min Scan# 827

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

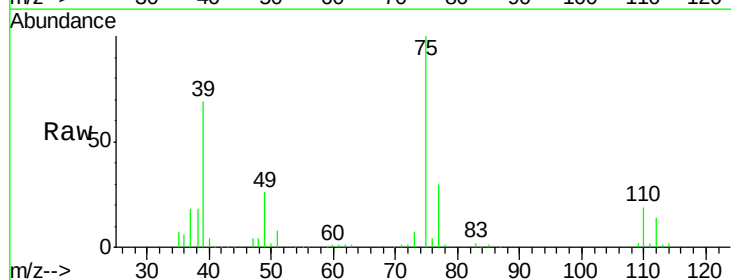
Tgt Ion: 75 Resp: 628697

Ion Ratio Lower Upper

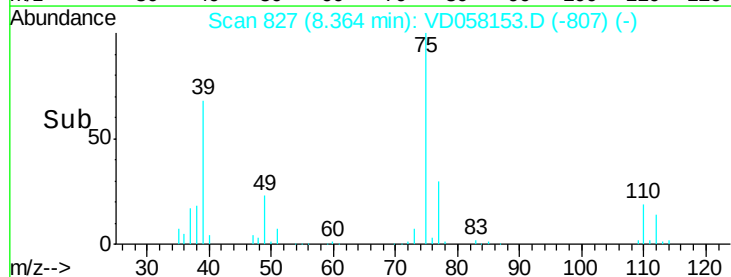
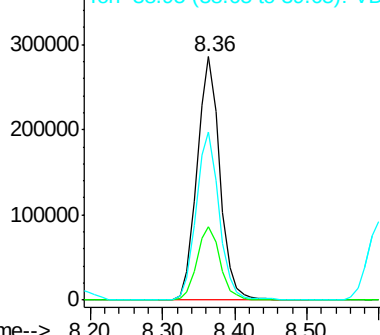
75 100

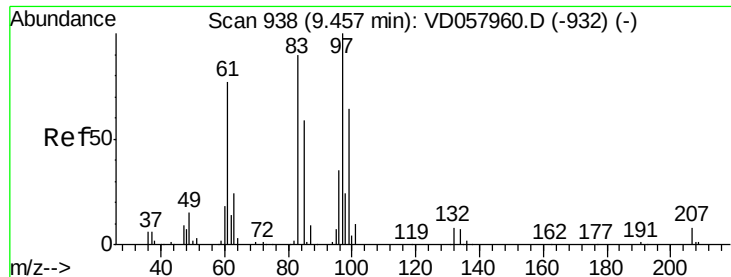
77 30.3 24.1 36.1

39 69.2 54.0 81.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC

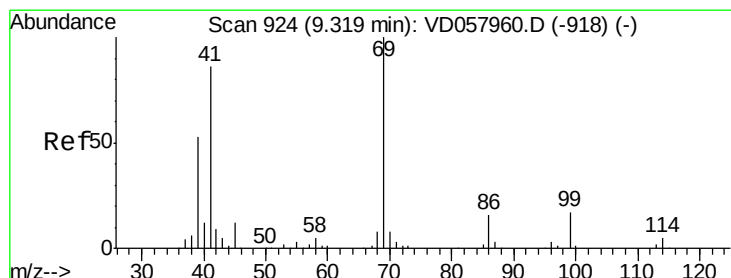
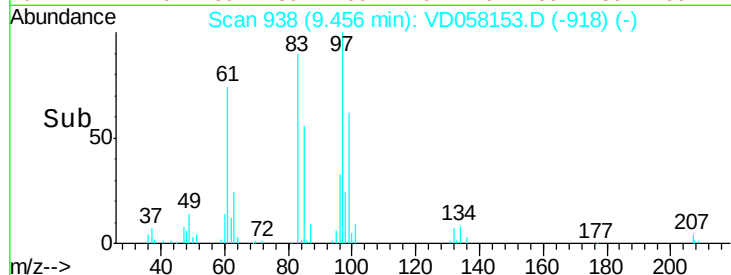
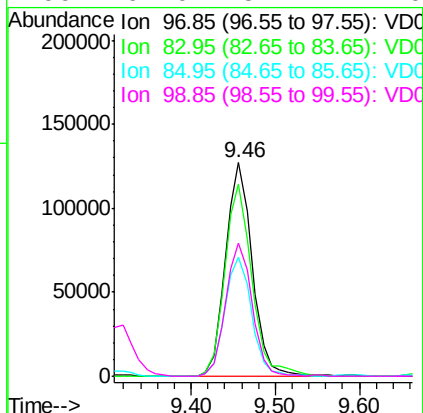
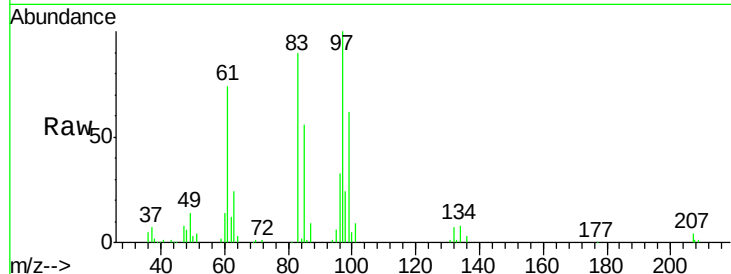




#55
 1,1,2-Trichloroethane
 Concen: 50.685 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

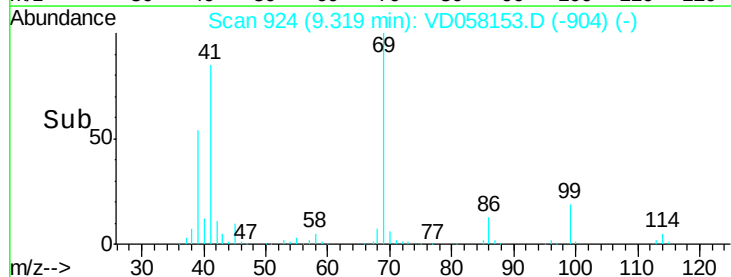
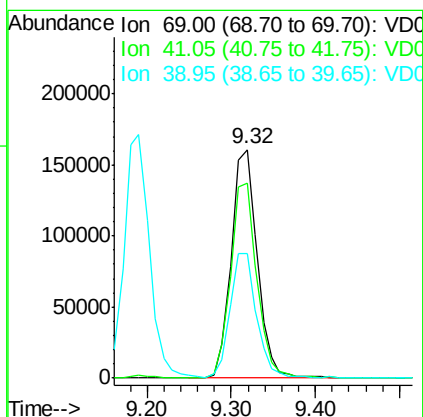
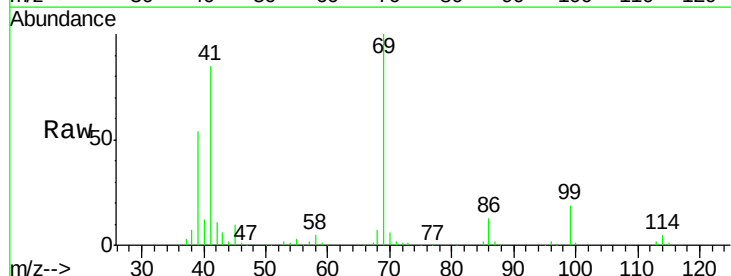
Instrument :
 MSVOA_D
 ClientSampleId :

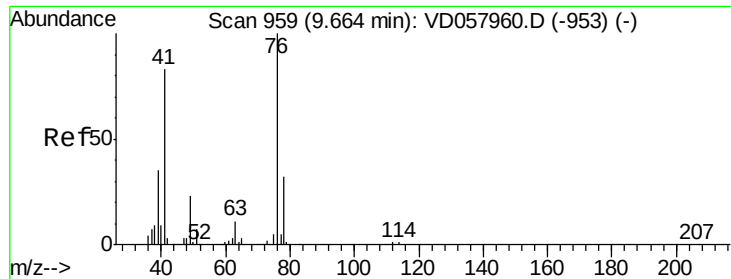
Tot Ion: 97 Resp: 279481
 Ion Ratio Lower Upper
 97 100
 83 90.0 71.8 107.8
 85 55.8 47.2 70.8
 99 62.0 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 51.088 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 69 Resp: 345557
 Ion Ratio Lower Upper
 69 100
 41 85.1 68.4 102.6
 39 54.3 43.0 64.4





#57

1,3-Dichloropropane

Concen: 51.953 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

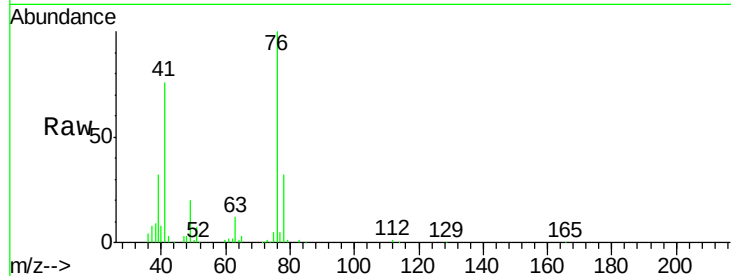
ClientSampled :

Tot Ion: 76 Resp: 502443

Ion Ratio Lower Upper

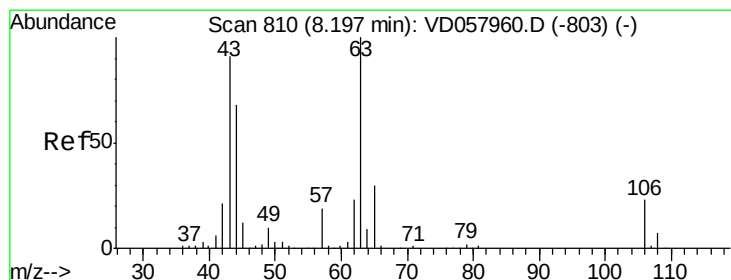
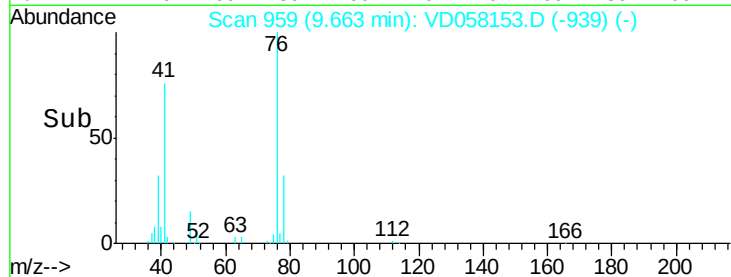
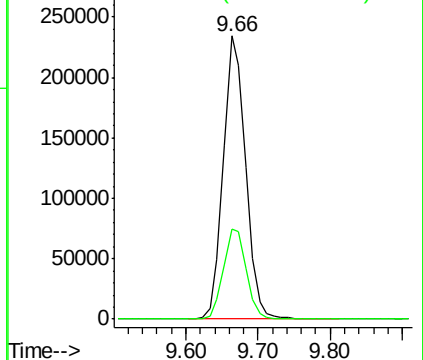
76 100

78 32.1 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 251.591 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058153.D

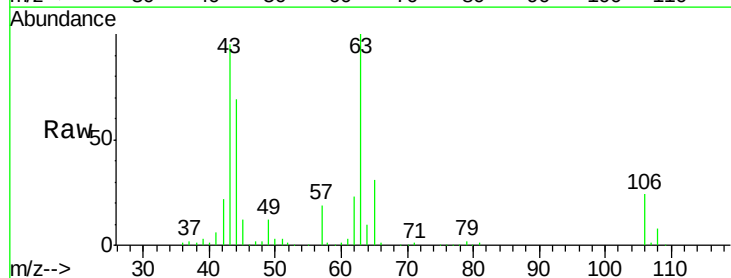
Acq: 15 Jun 2018 15:17

Tgt Ion: 63 Resp: 859769

Ion Ratio Lower Upper

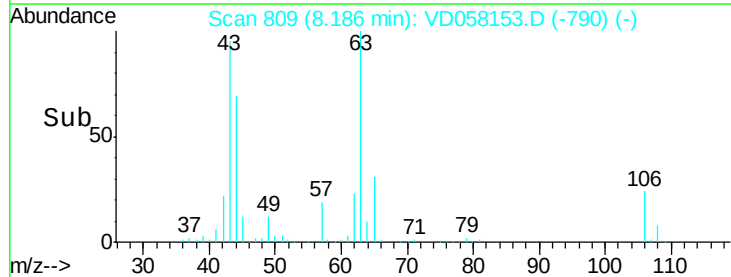
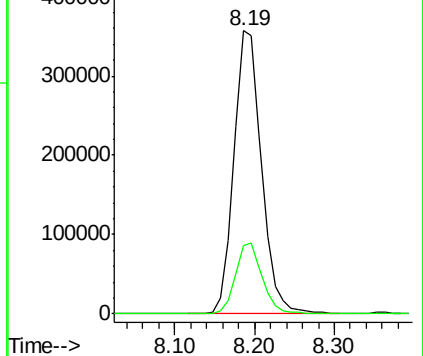
63 100

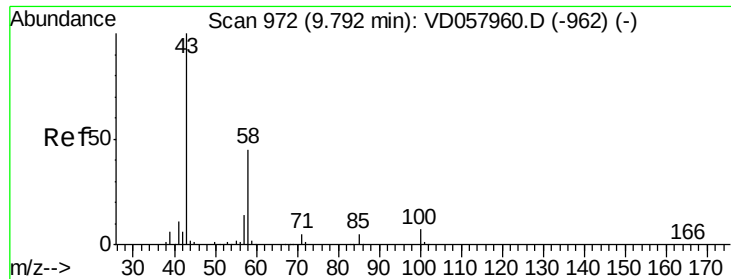
106 24.3 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

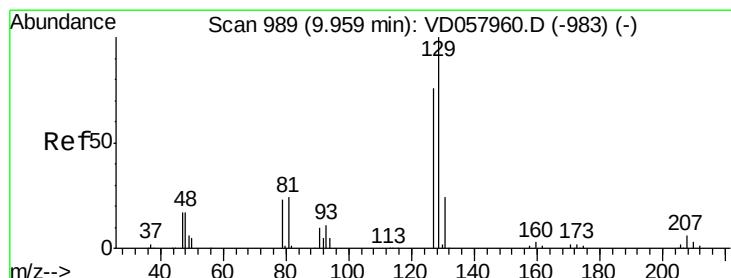
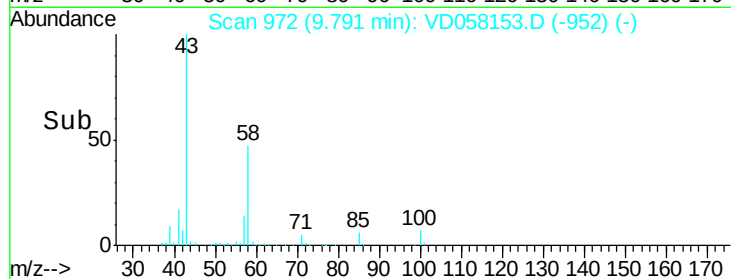
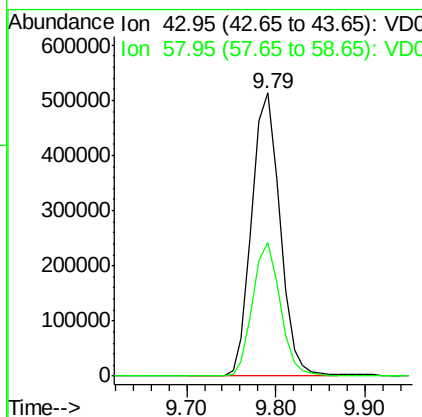
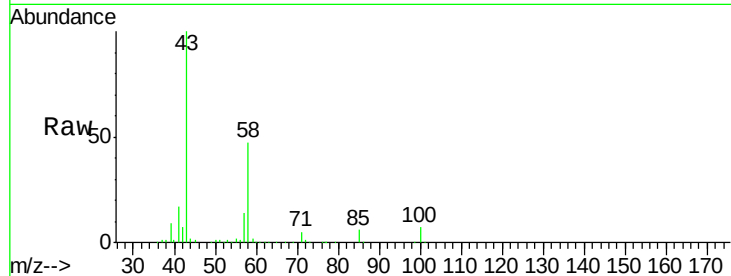




#59
2-Hexanone
Concen: 263.542 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

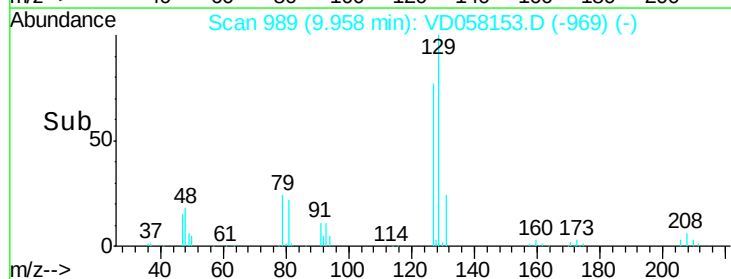
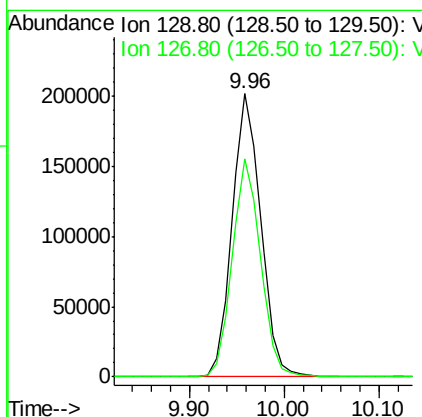
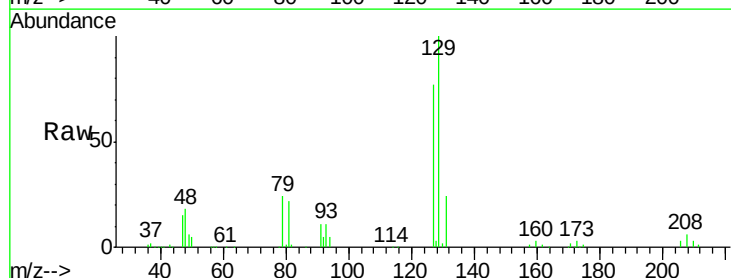
Instrument :
MSVOA_D
ClientSampled :

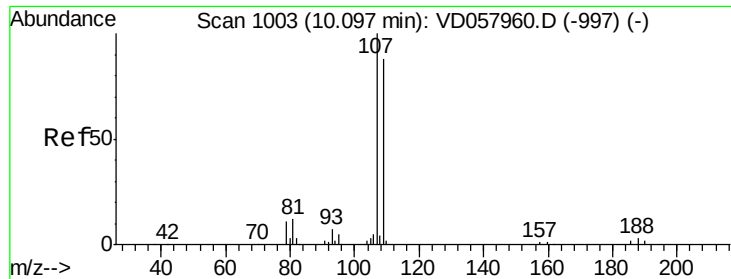
Tot Ion: 43 Resp: 1125143
Ion Ratio Lower Upper
43 100
58 47.2 22.5 67.5



#60
Dibromochloromethane
Concen: 54.306 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 129 Resp: 422271
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8

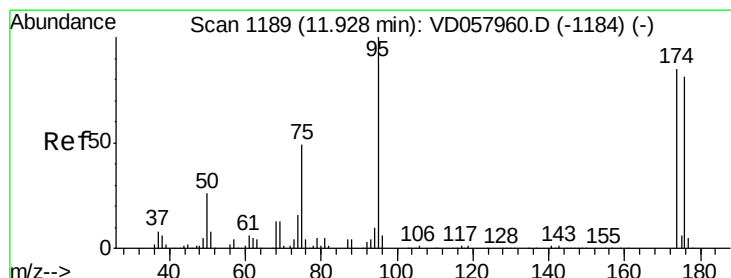
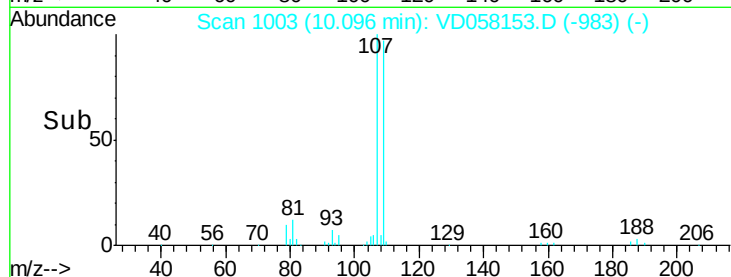
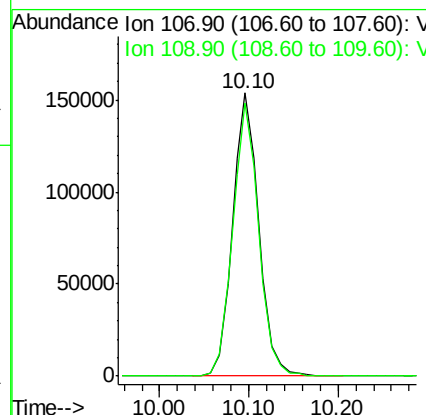
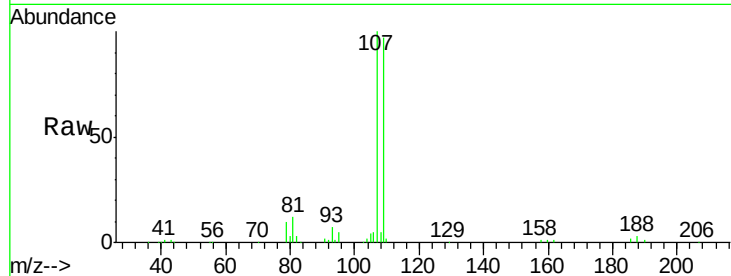




#61
 1,2-Dibromoethane
 Concen: 50.091 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

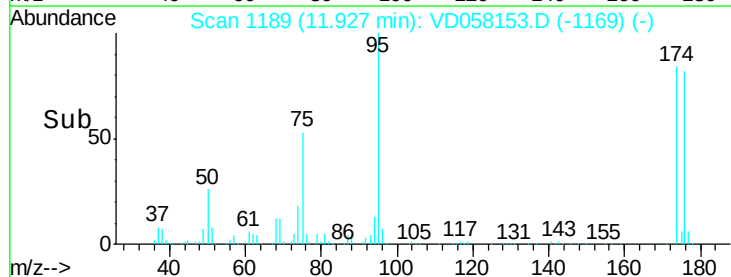
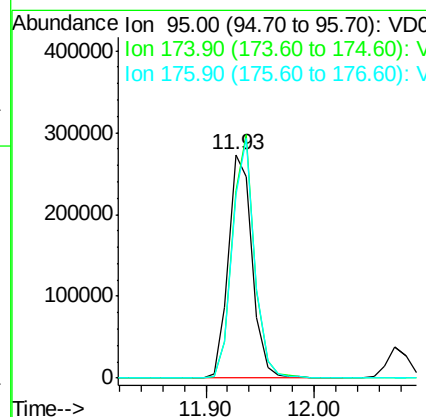
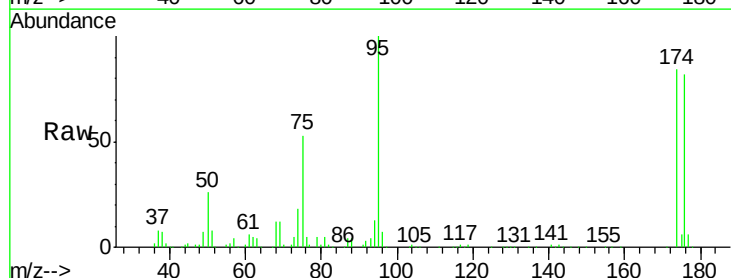
Instrument :
 MSVOA_D
 ClientSampleId :

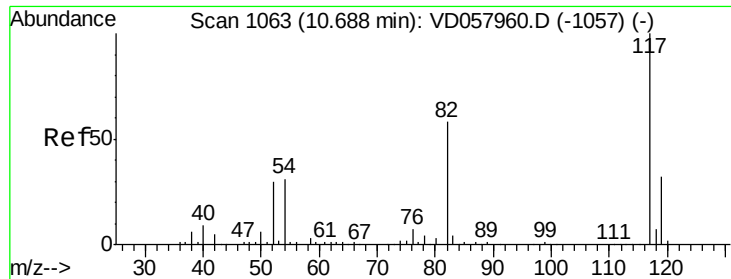
Tot Ion: 107 Resp: 317641
 Ion Ratio Lower Upper
 107 100
 109 96.5 70.6 106.0



#62
 4-Bromofluorobenzene
 Concen: 50.091 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 95 Resp: 418434
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 169.4
 176 82.3 0.0 162.6

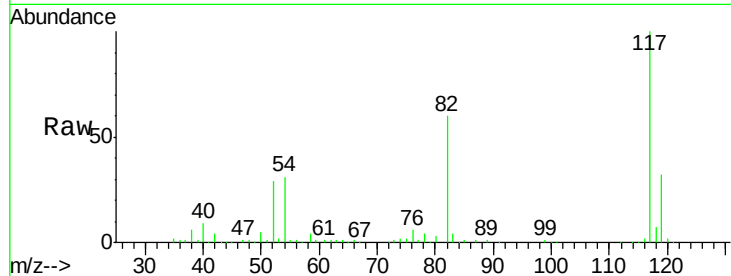




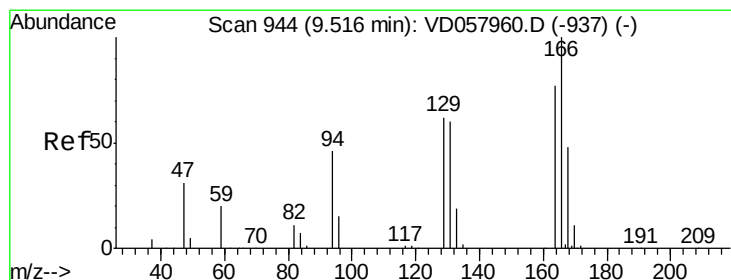
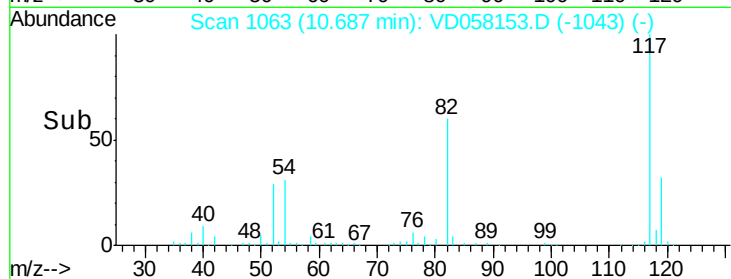
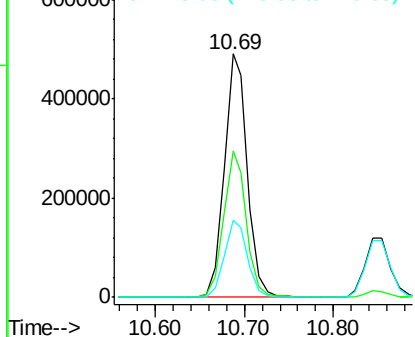
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 889623
Ion Ratio Lower Upper
117 100
82 60.0 46.8 70.2
119 31.9 25.8 38.6

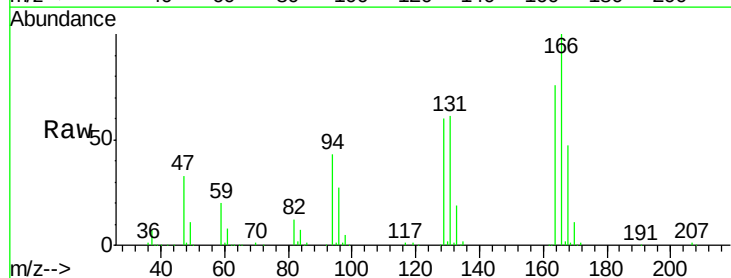


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

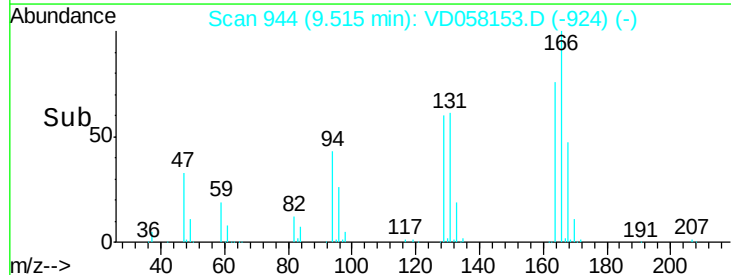
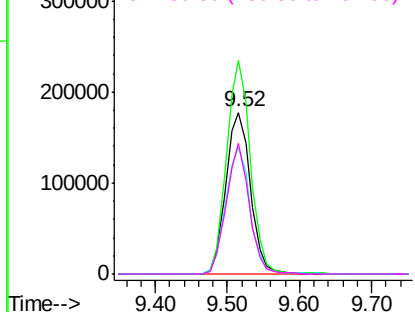


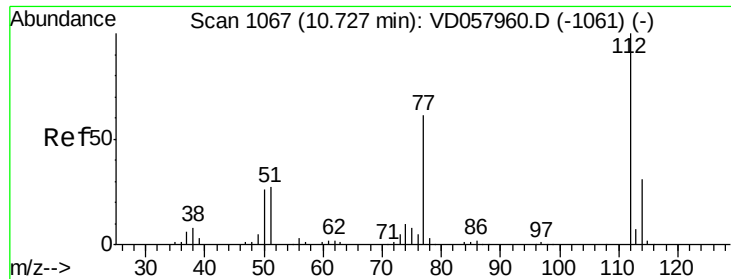
#64
Tetrachloroethene
Concen: 52.650 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion:164 Resp: 418734
Ion Ratio Lower Upper
164 100
166 132.0 104.4 156.6
129 78.6 65.0 97.6
131 80.7 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

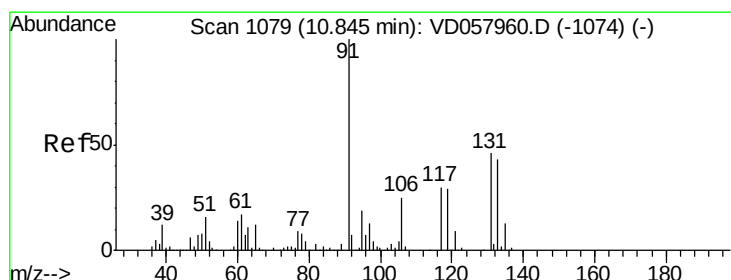
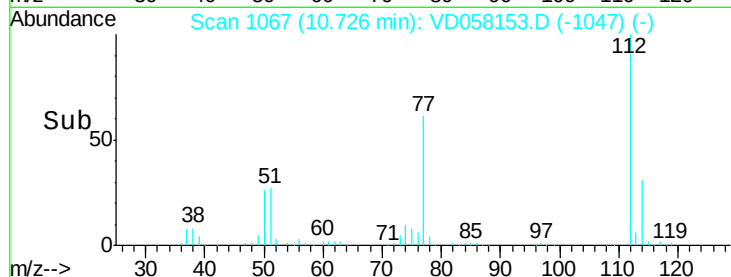
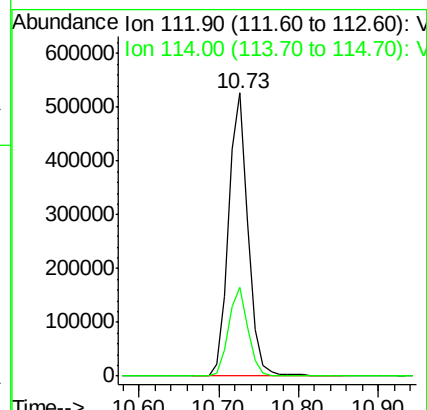
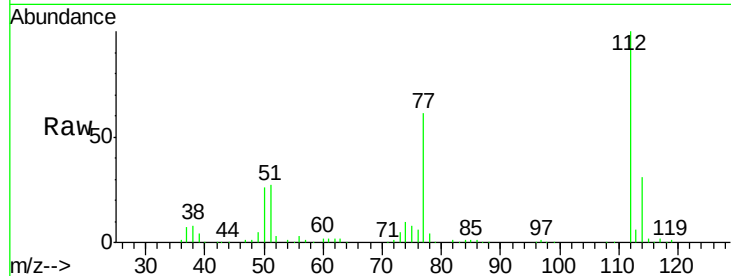




#65
Chlorobenzene
Concen: 50.522 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

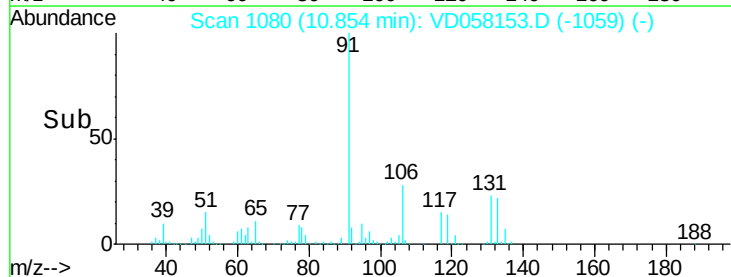
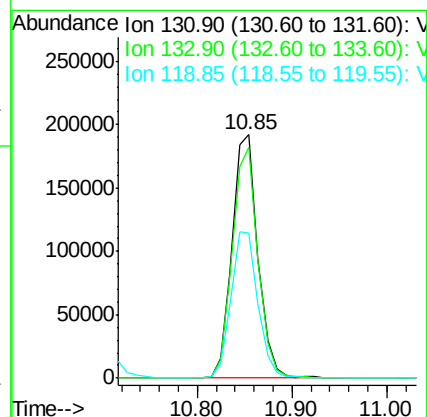
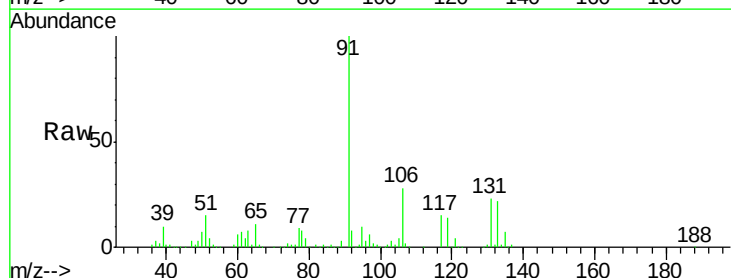
Instrument :
MSVOA_D
ClientSampled :

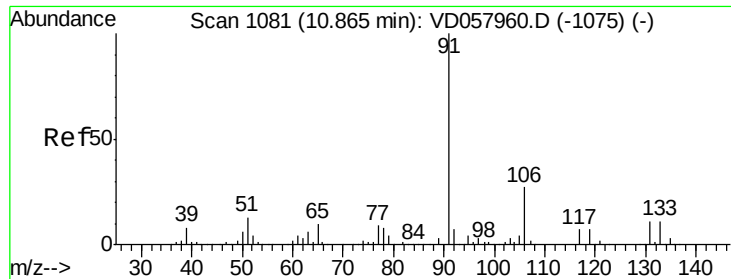
Tot Ion:112 Resp: 909881
Ion Ratio Lower Upper
112 100
114 31.5 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.188 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion:131 Resp: 361111
Ion Ratio Lower Upper
131 100
133 94.6 46.9 140.6
119 59.8 31.8 95.3

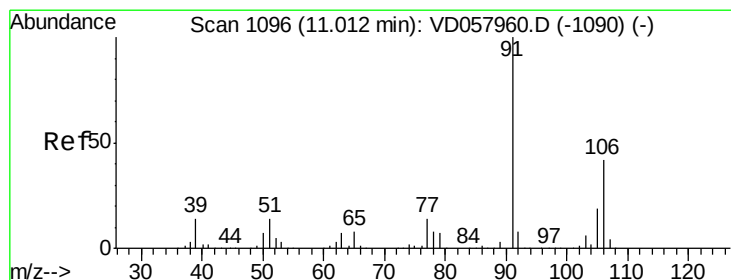
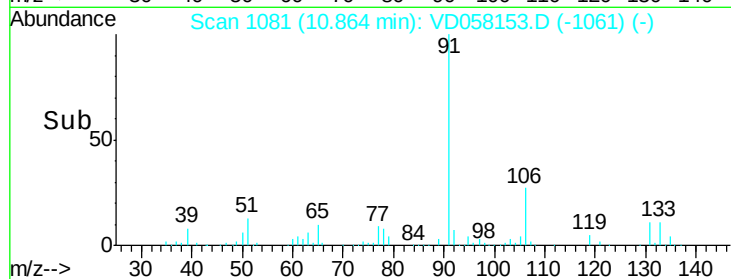
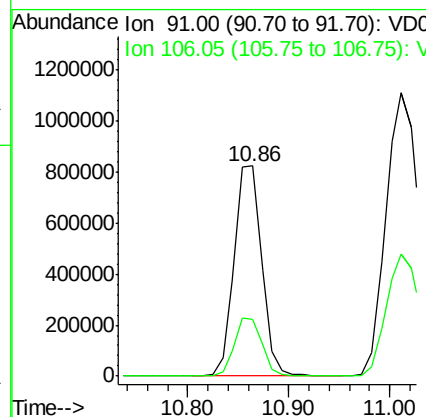
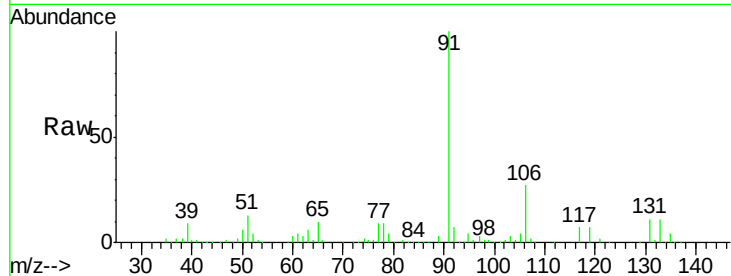




#67
Ethyl Benzene
Concen: 48.000 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

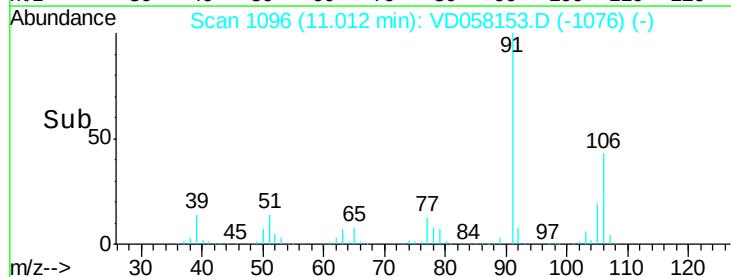
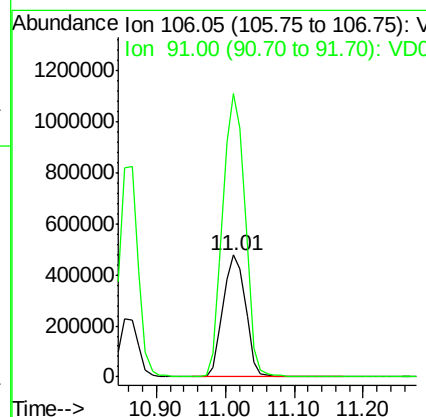
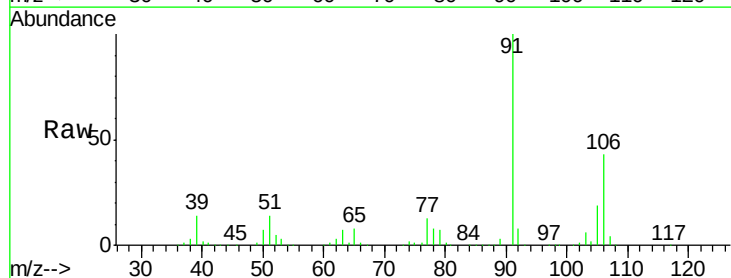
Instrument :
MSVOA_D
ClientSampleId :

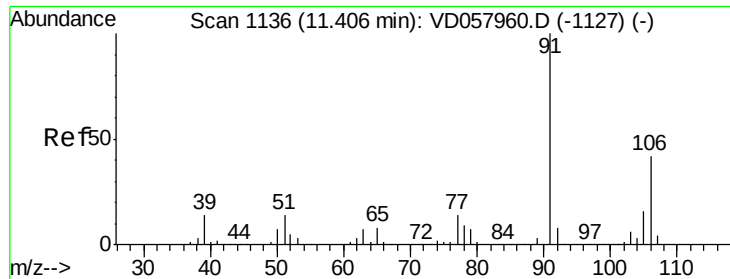
Tot Ion: 91 Resp: 1561774
Ion Ratio Lower Upper
91 100
106 27.2 21.5 32.3



#68
m/p-Xylenes
Concen: 101.916 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 106 Resp: 1081025
Ion Ratio Lower Upper
106 100
91 232.5 190.4 285.6

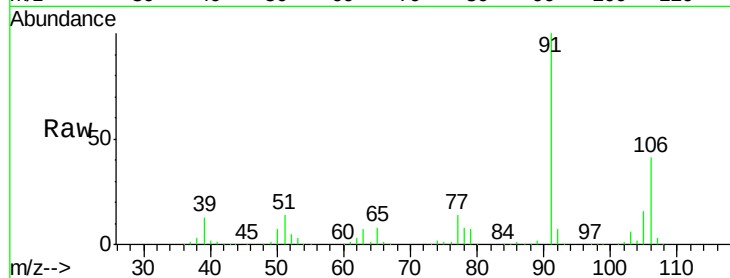




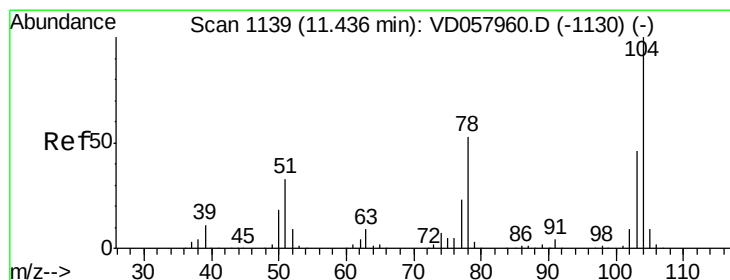
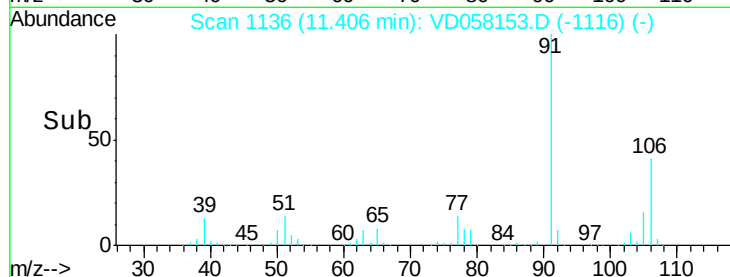
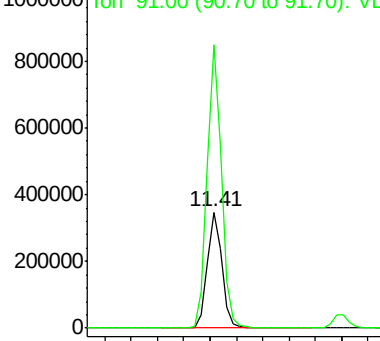
#69
o-Xylene
Concen: 51.666 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 543969
Ion Ratio Lower Upper
106 100
91 244.2 120.6 361.7

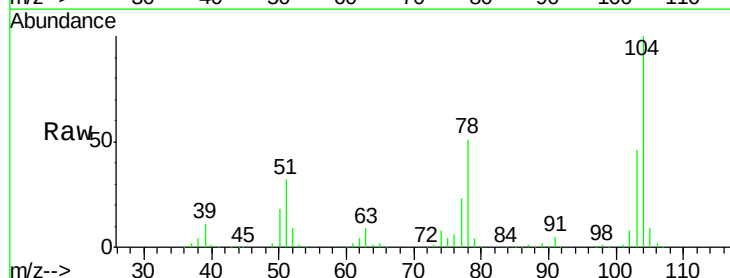


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

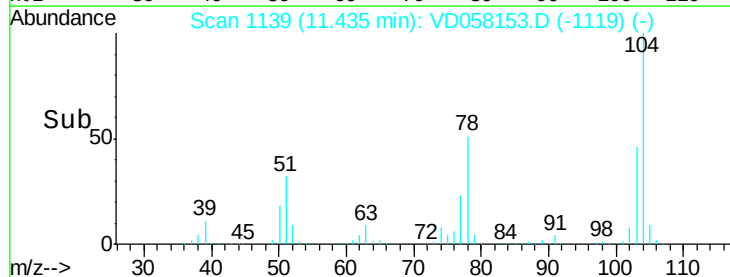
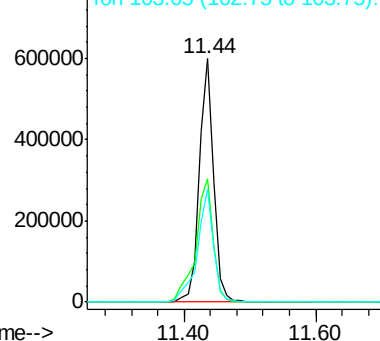


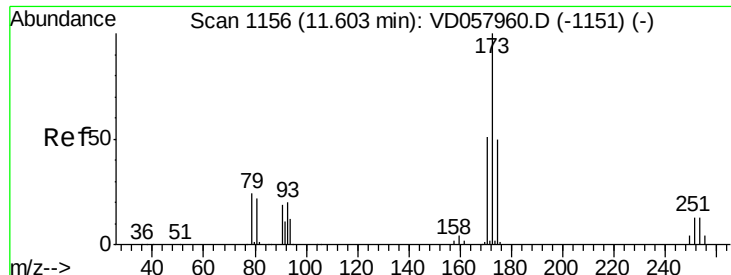
#70
Styrene
Concen: 52.113 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion:104 Resp: 908302
Ion Ratio Lower Upper
104 100
78 50.7 42.1 63.1
103 46.4 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

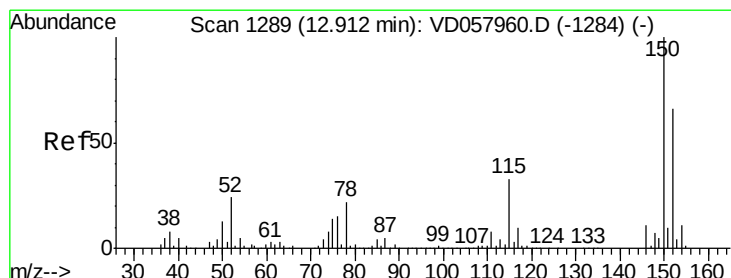
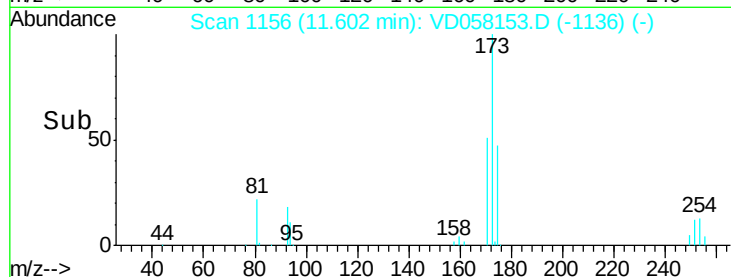
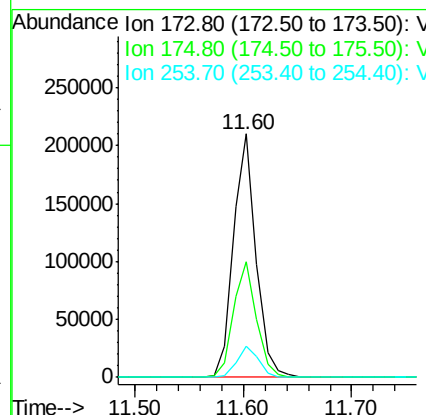
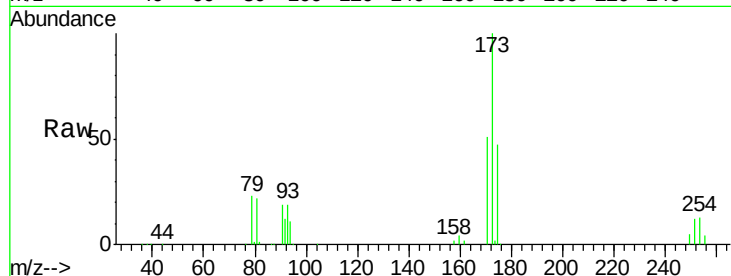




#71
Bromoform
Concen: 58.271 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

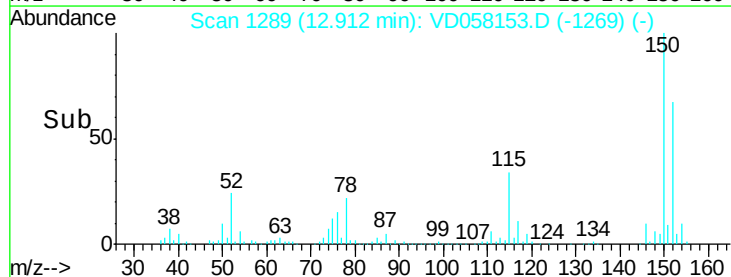
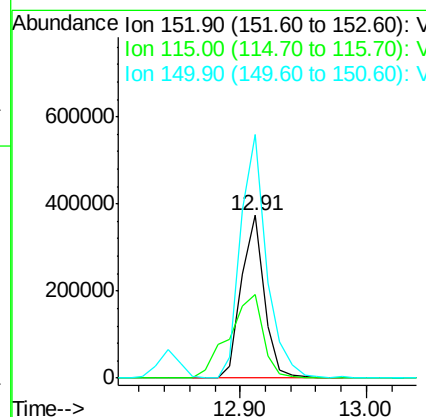
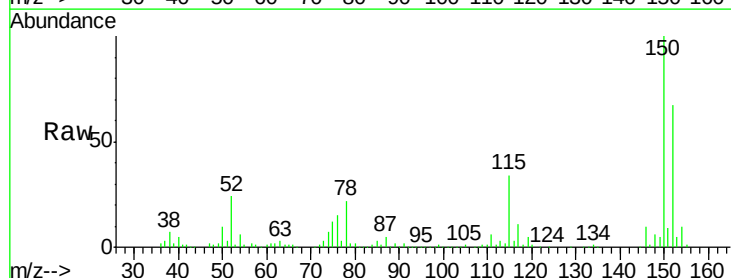
Instrument :
MSVOA_D
ClientSampled :

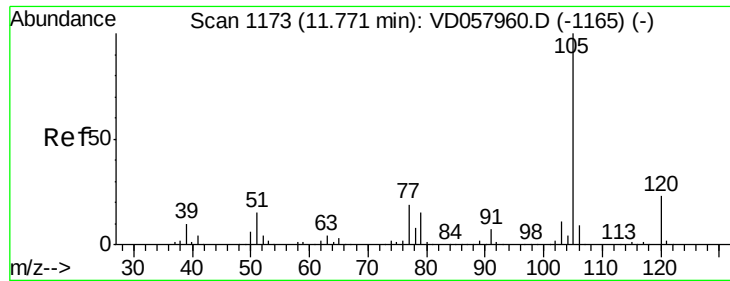
Tot Ion:173 Resp: 303315
Ion Ratio Lower Upper
173 100
175 47.4 25.1 75.2
254 12.5 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion:152 Resp: 468749
Ion Ratio Lower Upper
152 100
115 51.2 25.6 76.6
150 149.6 0.0 306.8





#73

Isopropylbenzene

Concen: 50.199 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

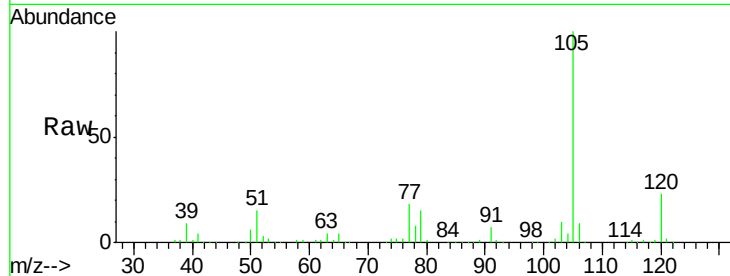
ClientSampleId :

Tot Ion:105 Resp: 1558556

Ion Ratio Lower Upper

105 100

120 22.5 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

1000000

800000

600000

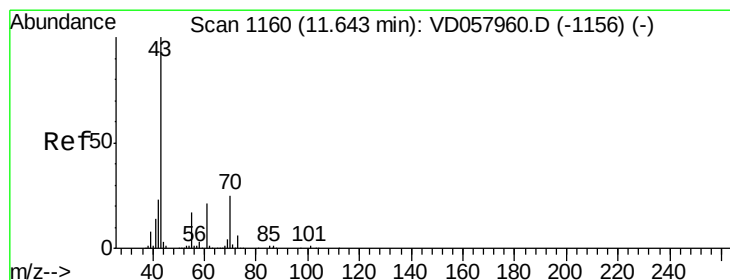
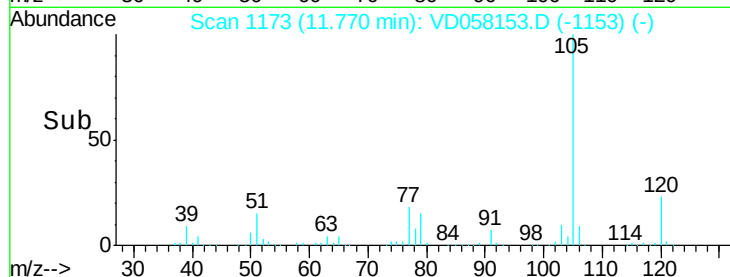
400000

200000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 49.667 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion: 43 Resp: 595028

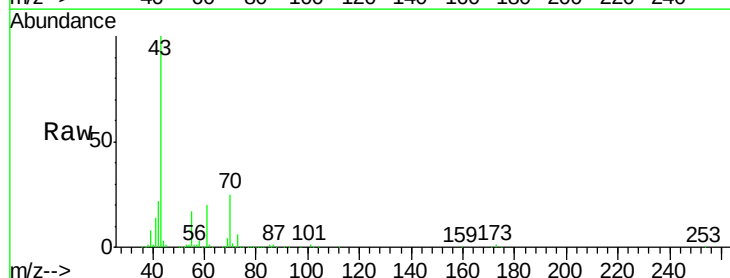
Ion Ratio Lower Upper

43 100

70 25.0 20.3 30.5

55 17.4 13.9 20.9

61 20.3 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

11.64

600000

500000

400000

300000

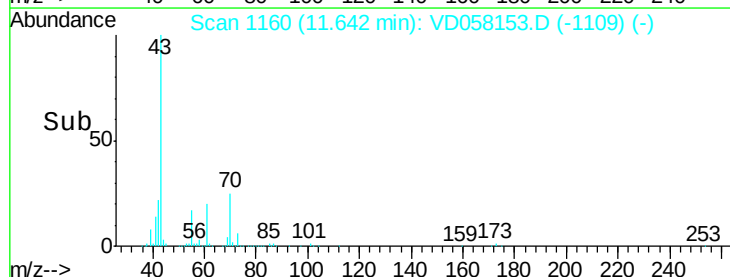
200000

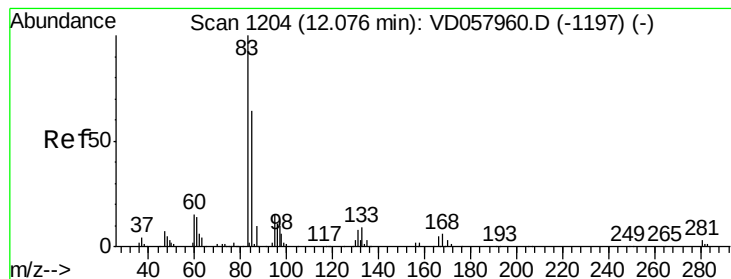
100000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 51.622 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

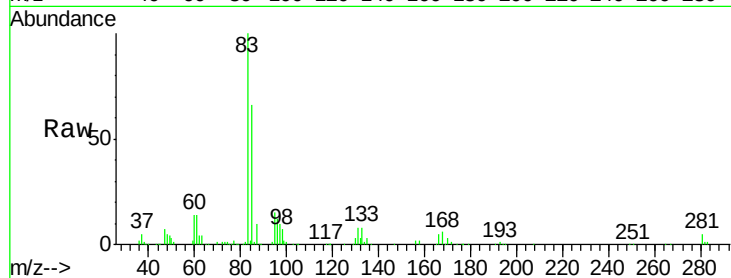
Tot Ion: 83 Resp: 349439

Ion Ratio Lower Upper

83 100

131 7.8 4.2 12.6

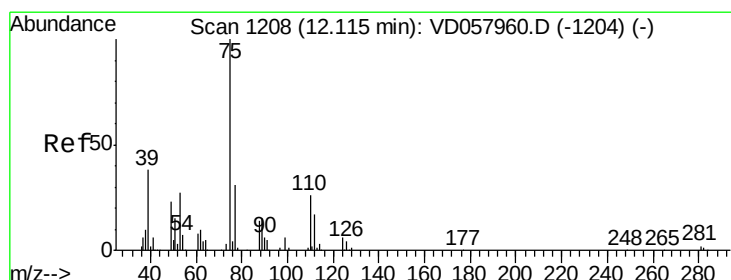
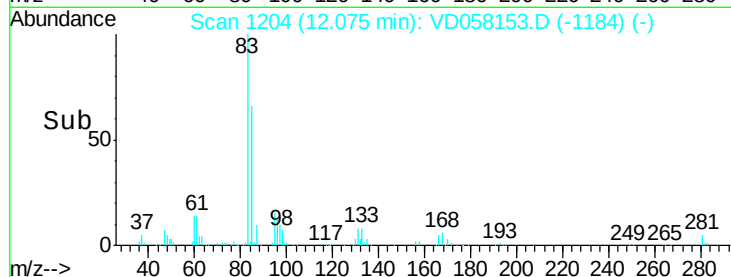
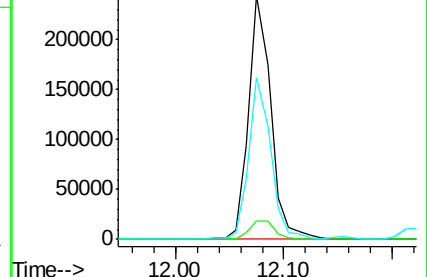
85 66.4 31.9 95.5



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: 51.895 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058153.D

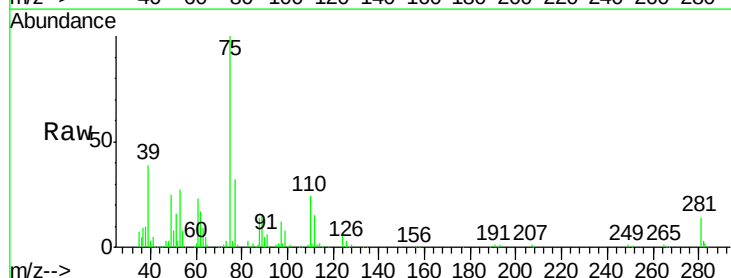
Acq: 15 Jun 2018 15:17

Tgt Ion: 75 Resp: 365410

Ion Ratio Lower Upper

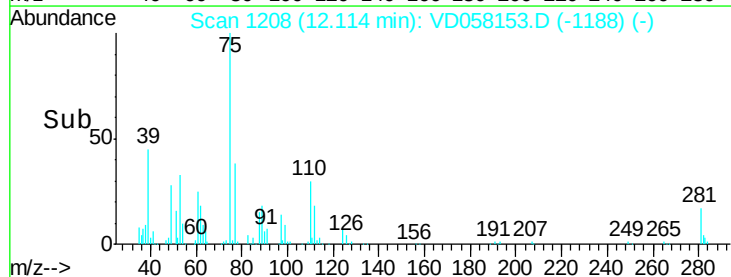
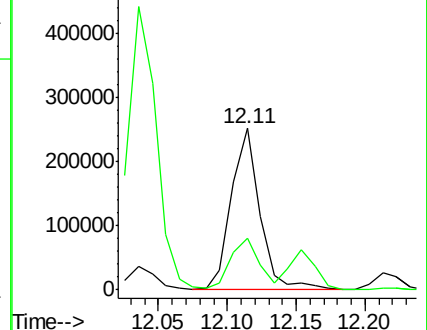
75 100

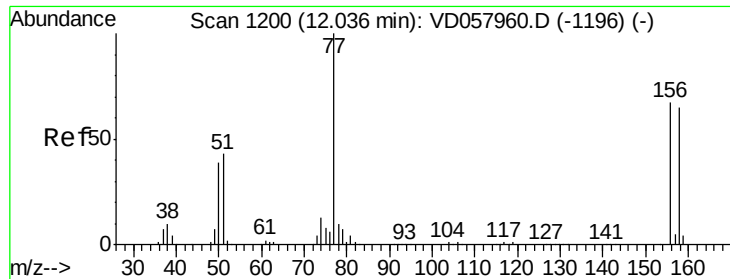
77 31.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.904 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampled :

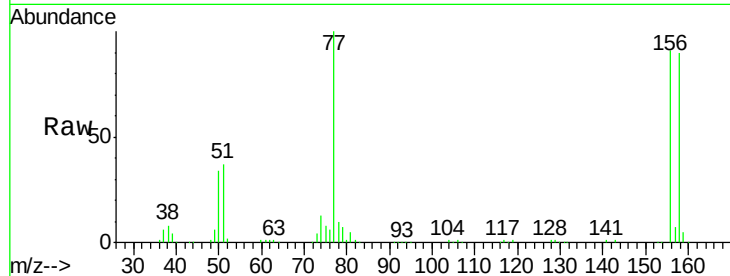
Tot Ion:156 Resp: 467822

Ion Ratio Lower Upper

156 100

77 109.8 75.0 224.8

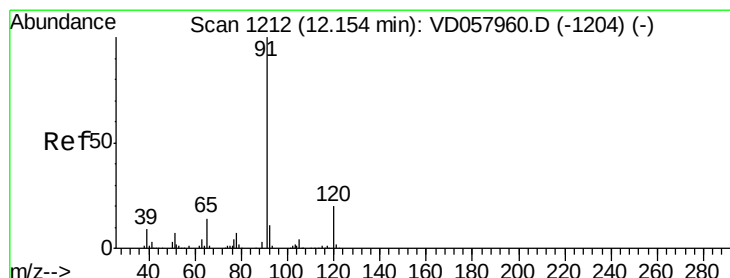
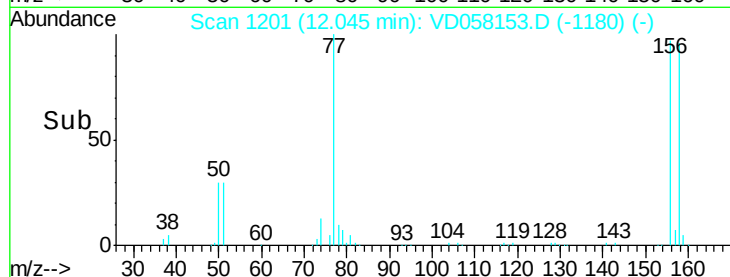
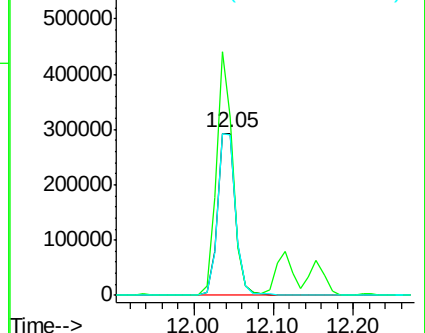
158 99.0 48.6 145.9



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: 48.768 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058153.D

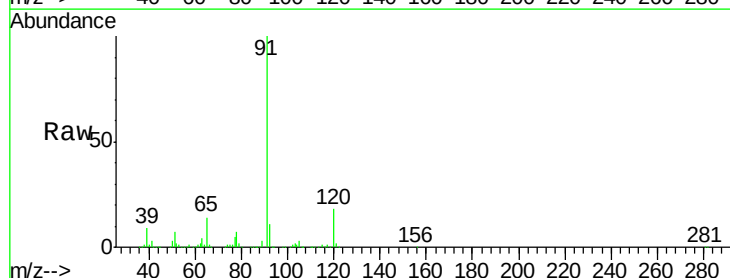
Acq: 15 Jun 2018 15:17

Tgt Ion: 91 Resp: 1970281

Ion Ratio Lower Upper

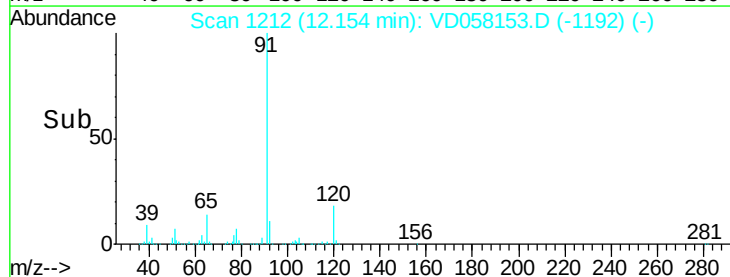
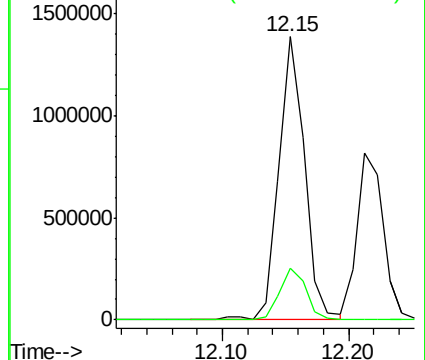
91 100

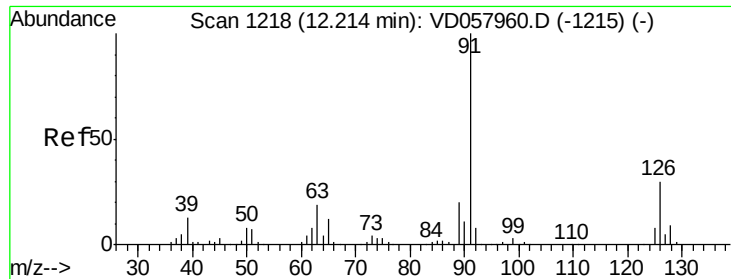
120 18.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

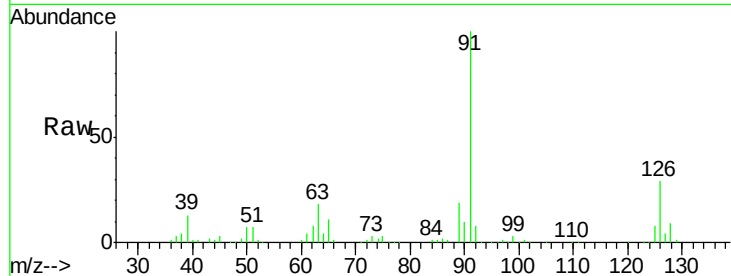




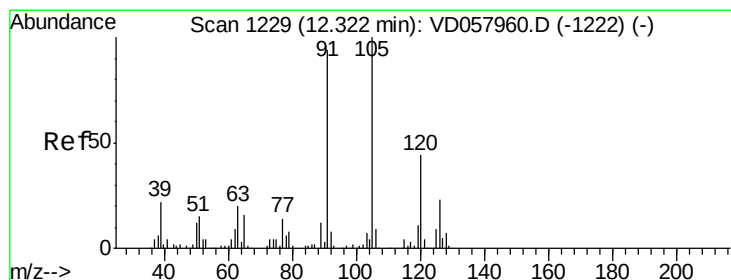
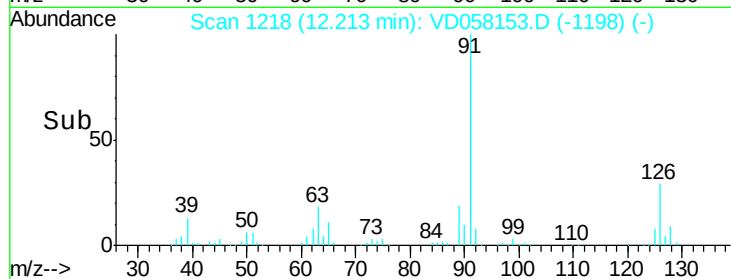
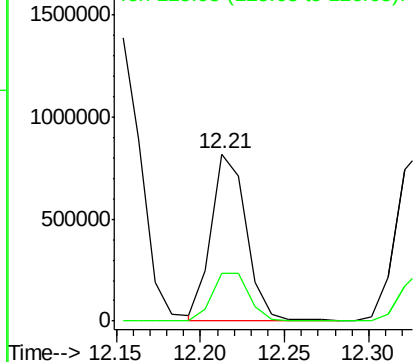
#79
 2-Chlorotoluene
 Concen: 51.060 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 1176850
 Ion Ratio Lower Upper
 91 100
 126 28.6 14.6 44.0

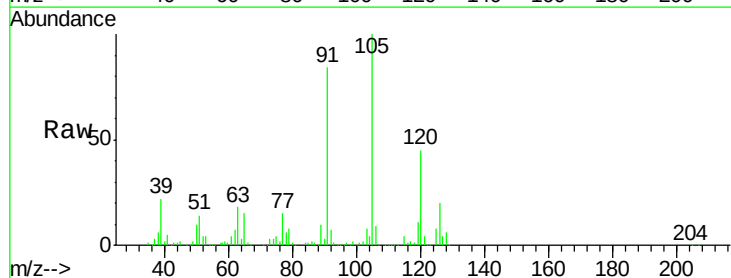


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

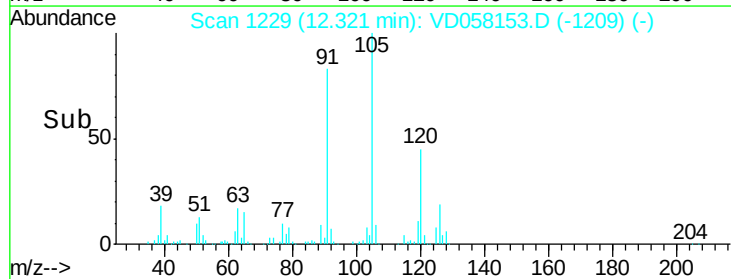
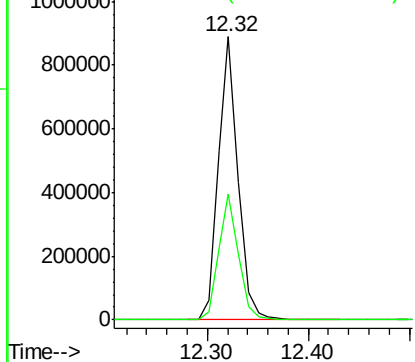


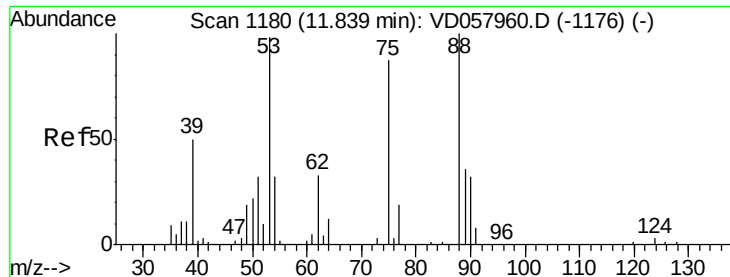
#80
 1,3,5-Trimethylbenzene
 Concen: 49.894 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 105 Resp: 1208076
 Ion Ratio Lower Upper
 105 100
 120 44.7 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: 55.260 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampled :

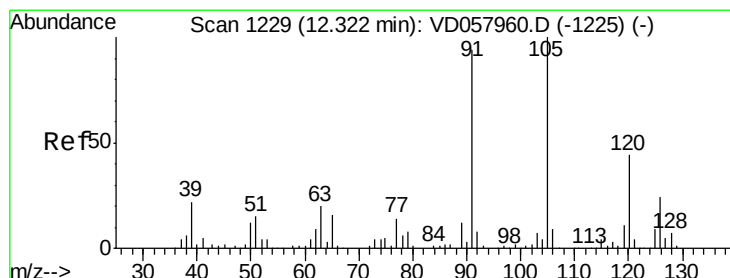
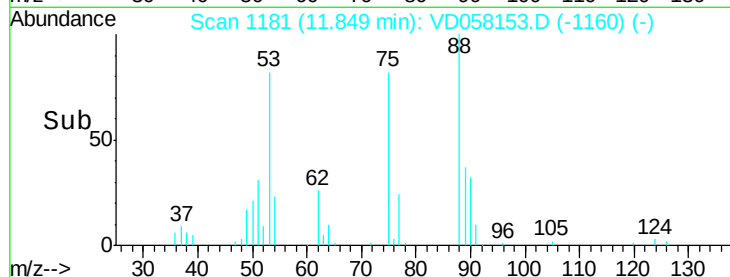
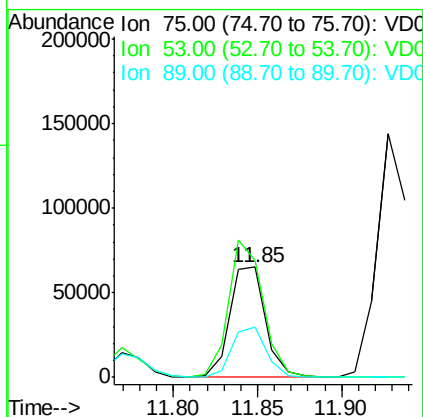
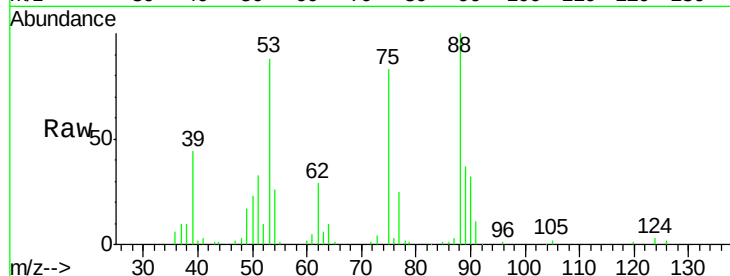
Tot Ion: 75 Resp: 96375

Ion Ratio Lower Upper

75 100

53 105.9 89.3 133.9

89 45.0 33.3 49.9



#82

4-Chlorotoluene

Concen: 56.533 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD058153.D

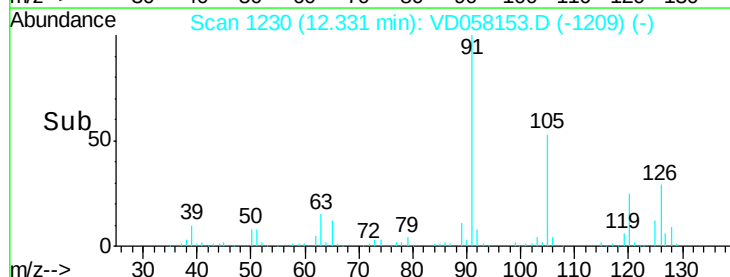
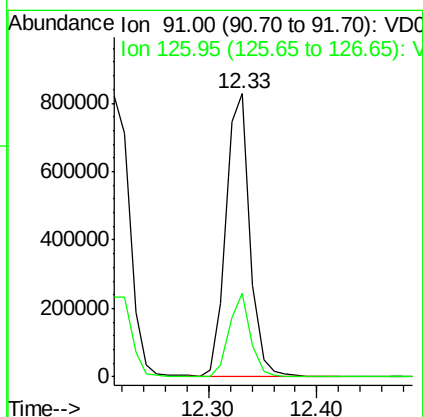
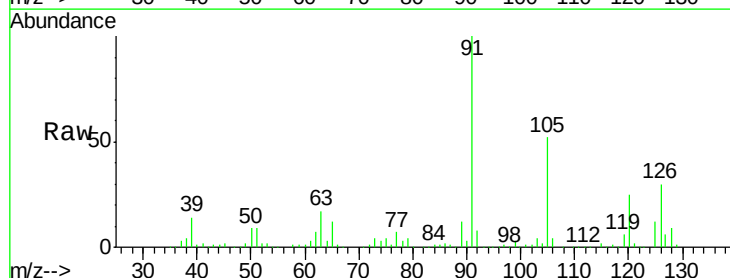
Acq: 15 Jun 2018 15:17

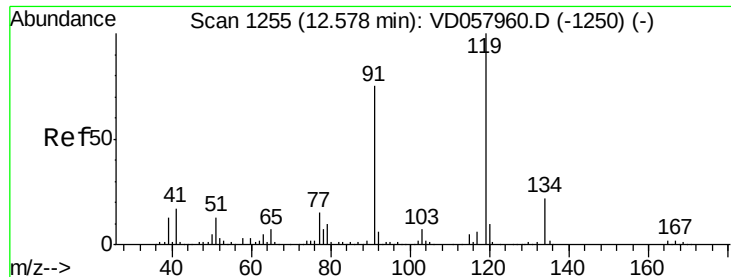
Tgt Ion: 91 Resp: 1257860

Ion Ratio Lower Upper

91 100

126 29.5 12.5 37.5

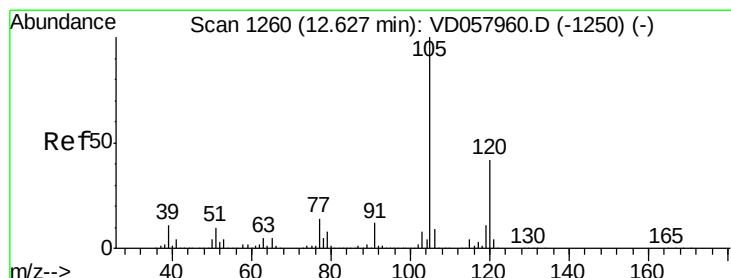
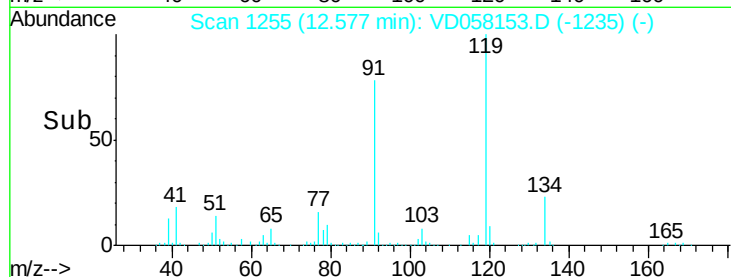
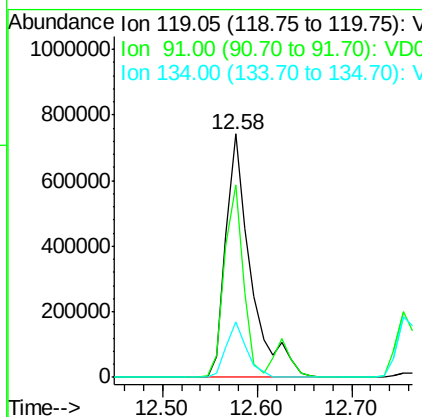
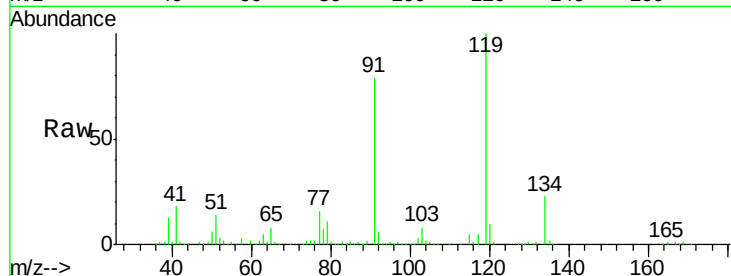




#83
 tert-Butylbenzene
 Concen: 49.866 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

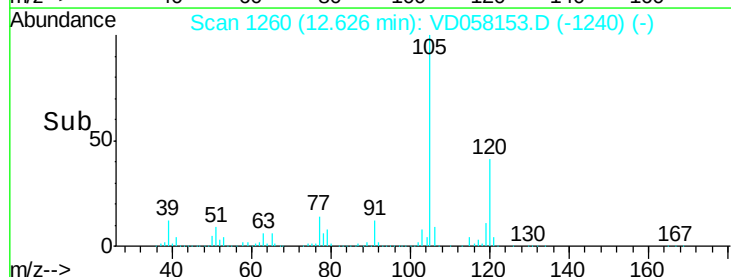
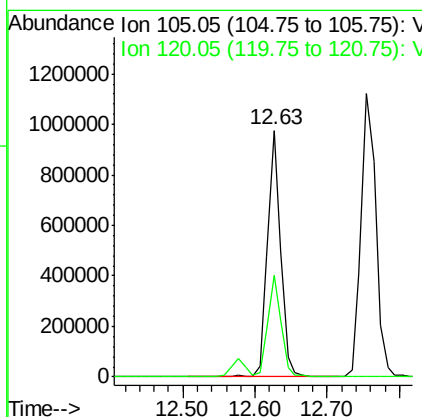
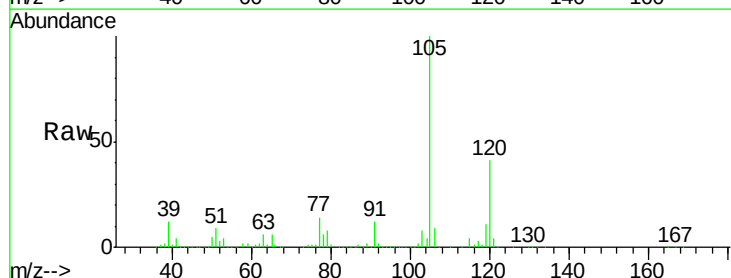
Instrument :
 MSVOA_D
 ClientSampled :

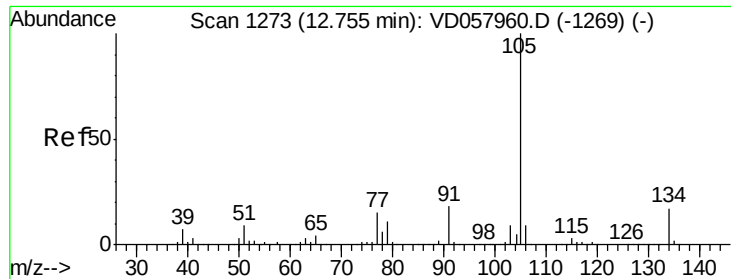
Tot Ion:119 Resp: 1363350
 Ion Ratio Lower Upper
 119 100
 91 78.9 37.6 112.9
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 48.498 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion:105 Resp: 1262593
 Ion Ratio Lower Upper
 105 100
 120 41.2 21.2 63.6





#85

sec-Butylbenzene

Concen: 47.761 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

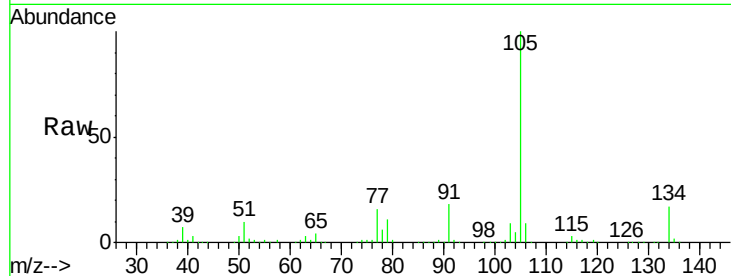
ClientSampled :

Tot Ion:105 Resp: 1575910

Ion Ratio Lower Upper

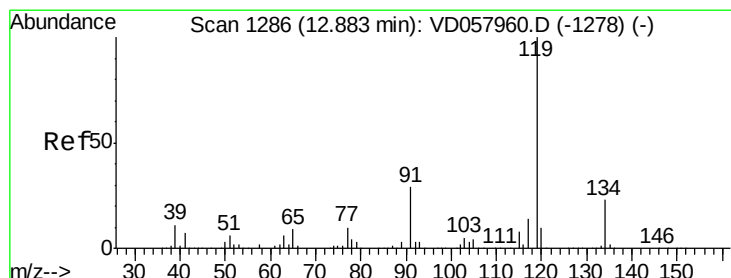
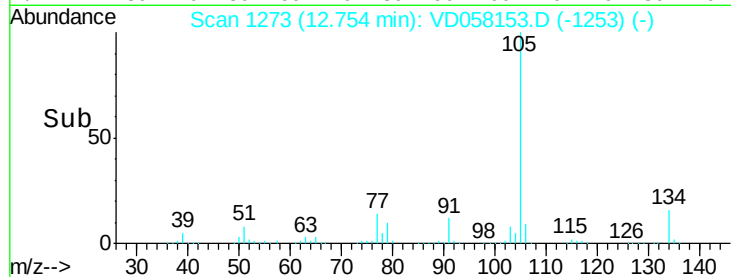
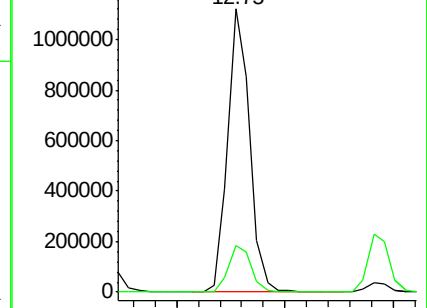
105 100

134 16.7 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.991 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

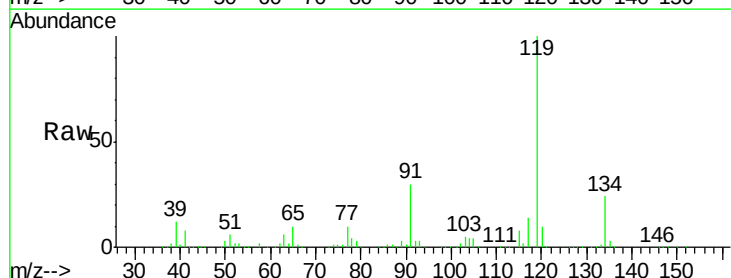
Tgt Ion:119 Resp: 1329449

Ion Ratio Lower Upper

119 100

134 23.7 11.5 34.4

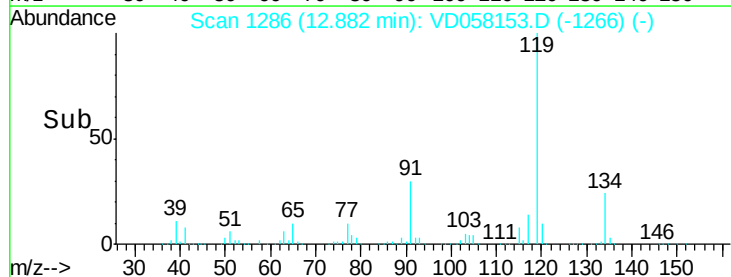
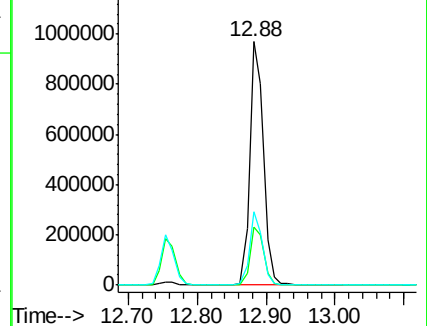
91 30.2 14.5 43.6

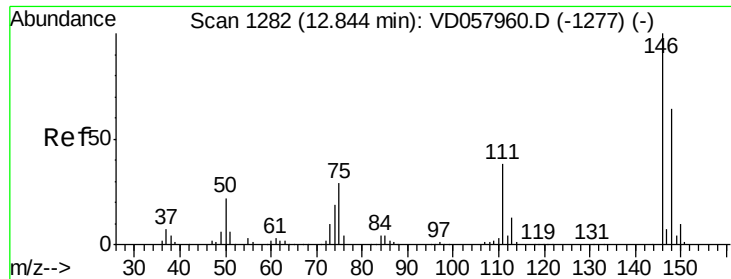


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

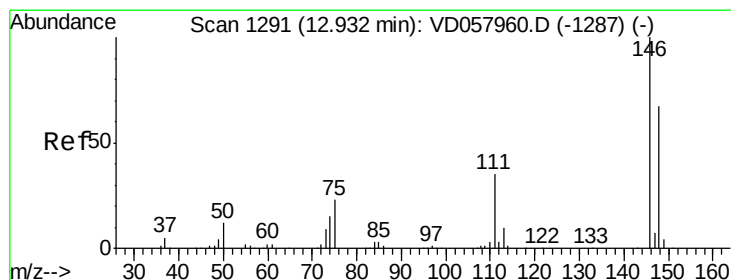
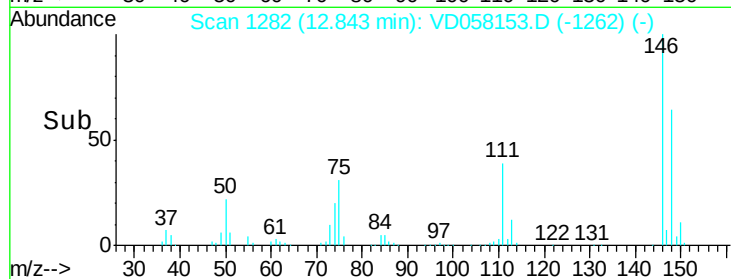
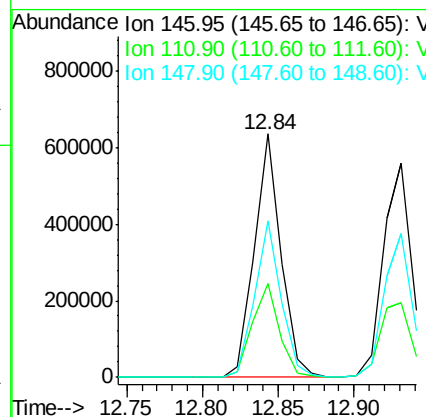
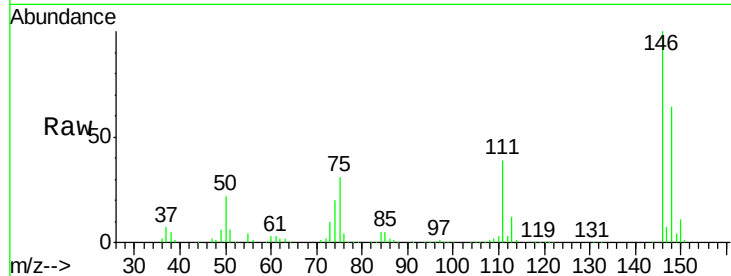




#87
 1,3-Dichlorobenzene
 Concen: 50.206 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

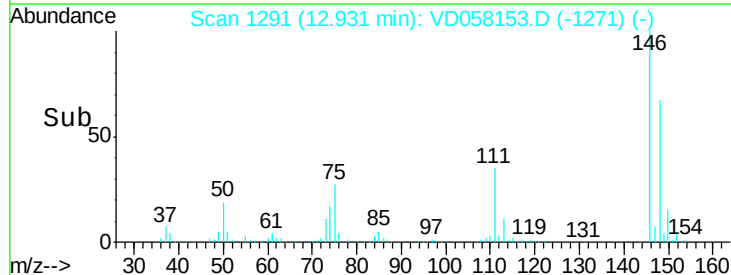
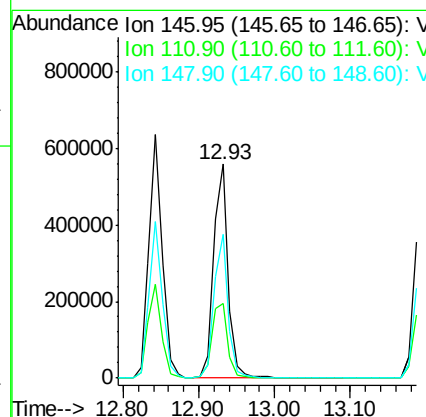
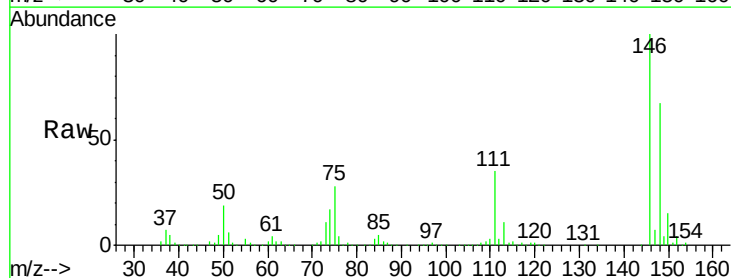
Instrument :
 MSVOA_D
 ClientSampleId :

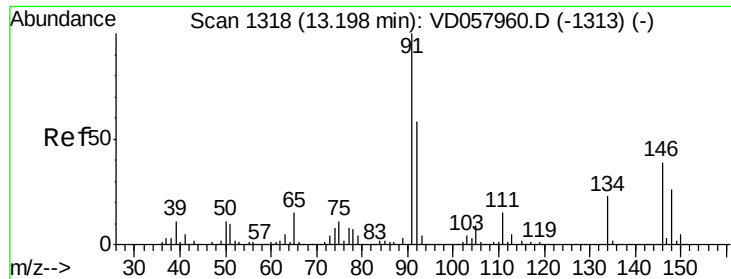
Tot Ion:146 Resp: 780500
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.3
 148 64.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.417 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion:146 Resp: 748516
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.3 52.0
 148 67.0 33.4 100.2

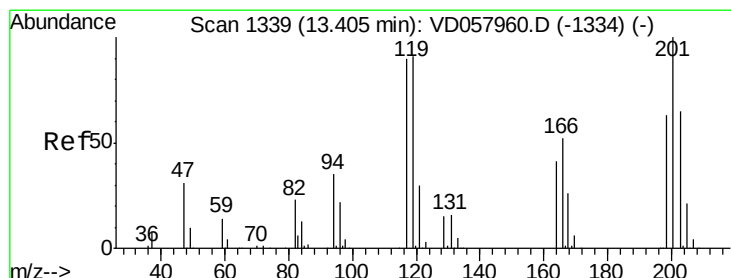
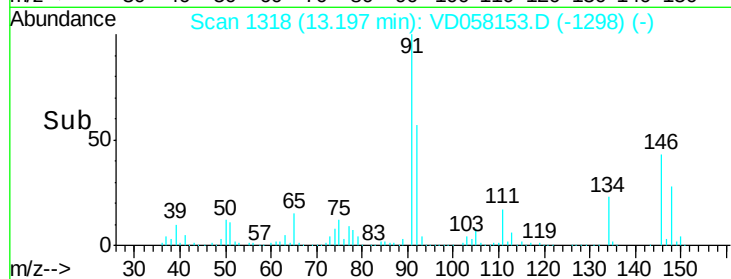
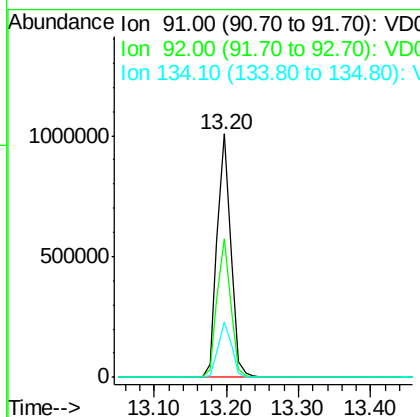
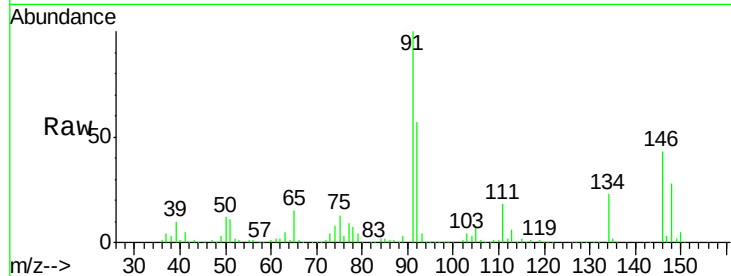




#89
n-Butylbenzene
Concen: 54.782 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

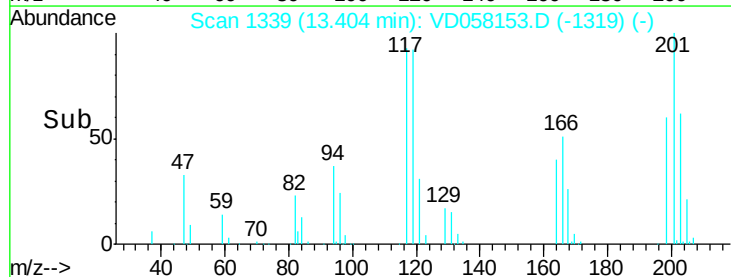
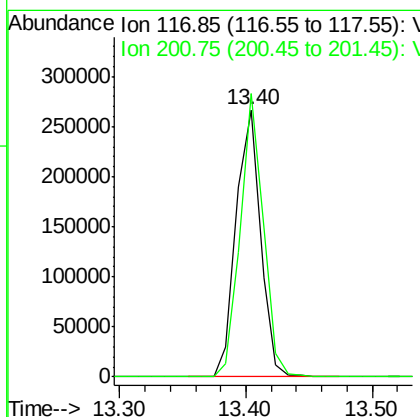
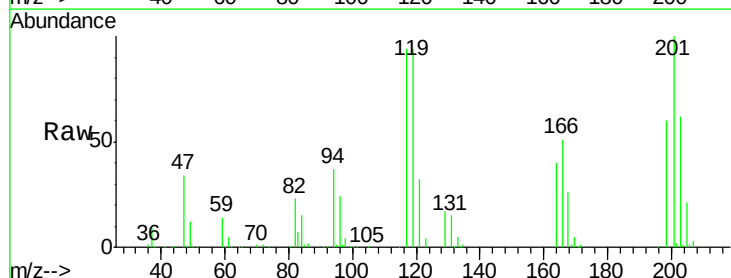
Instrument :
MSVOA_D
ClientSampleId :

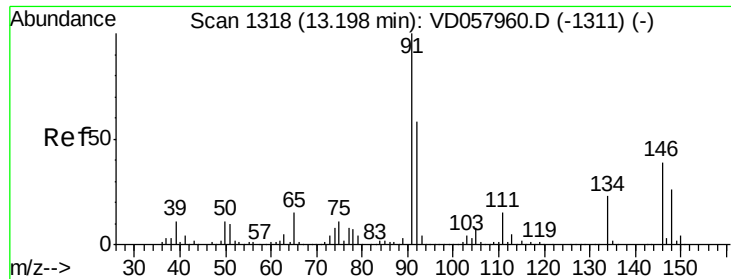
Tot Ion: 91 Resp: 1302292
Ion Ratio Lower Upper
91 100
92 57.2 29.2 87.6
134 22.8 11.3 33.9



#90
Hexachloroethane
Concen: 52.544 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 117 Resp: 356650
Ion Ratio Lower Upper
117 100
201 106.1 55.4 166.0

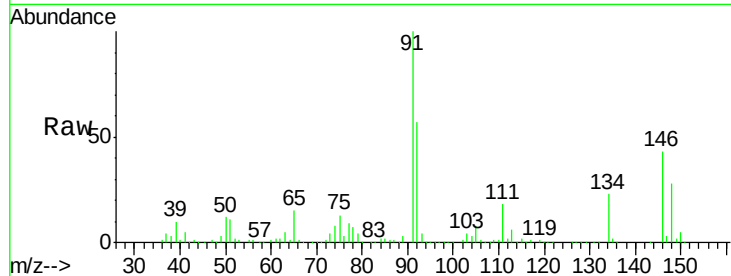




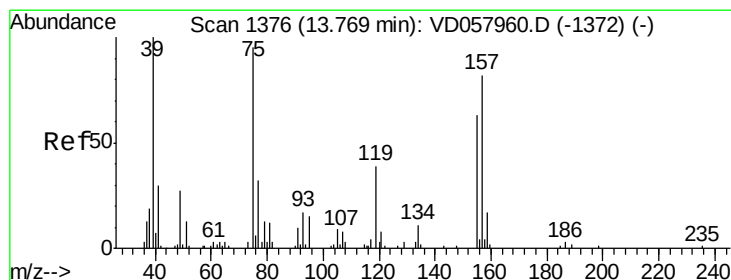
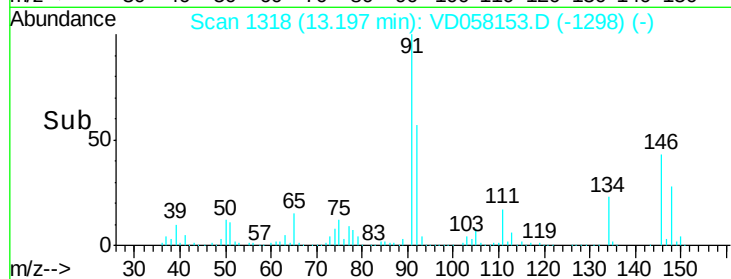
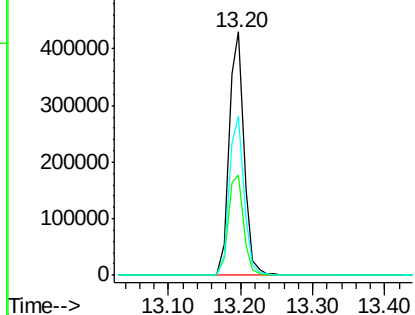
#91
 1,2-Dichlorobenzene
 Concen: 49.061 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 616371
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.4 58.2
 148 65.6 32.6 98.0

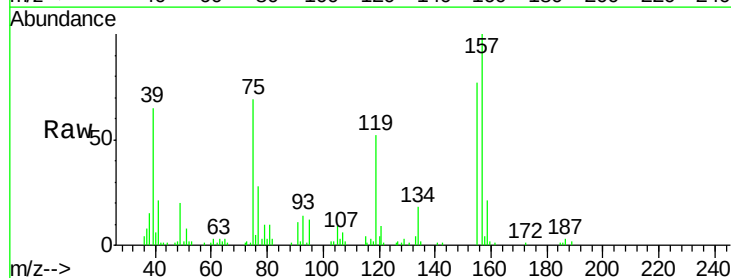


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

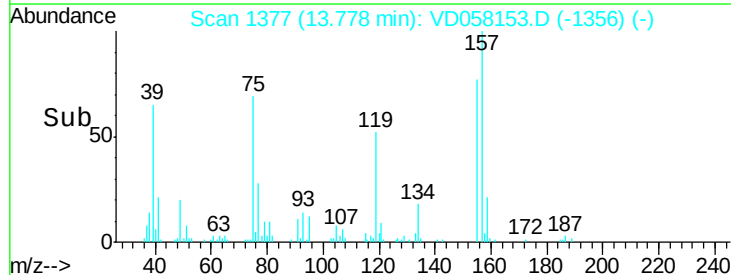
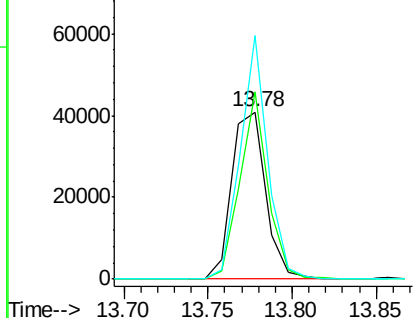


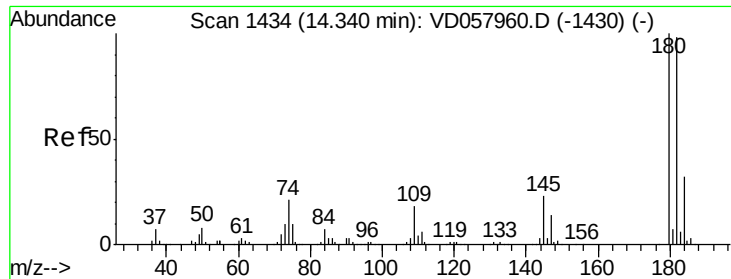
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.800 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 75 Resp: 57251
 Ion Ratio Lower Upper
 75 100
 155 112.0 33.4 100.1#
 157 145.9 42.9 128.5#



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

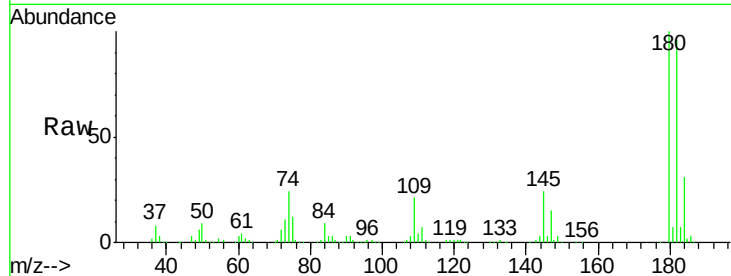




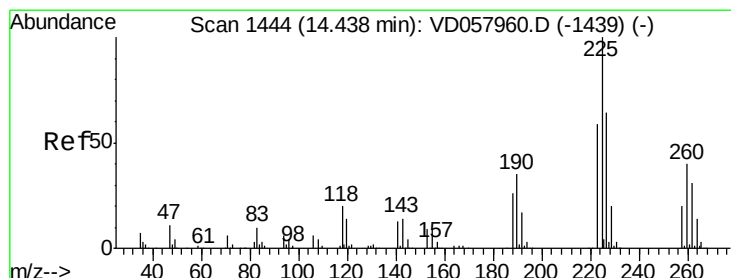
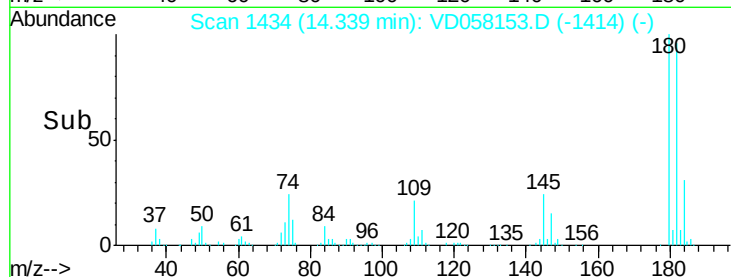
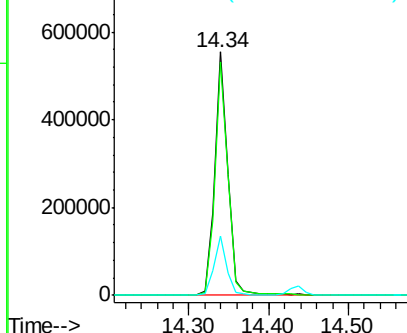
#93
 1,2,4-Trichlorobenzene
 Concen: 55.620 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 652837
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.0 147.2
 145 24.3 11.8 35.3

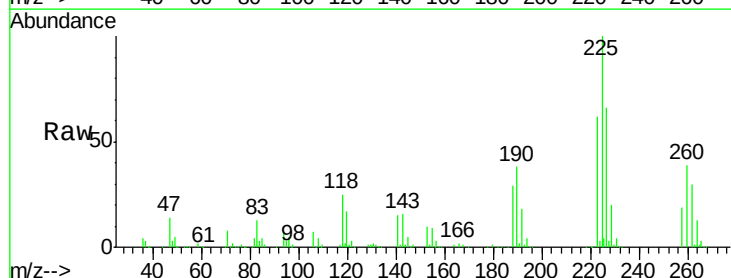


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

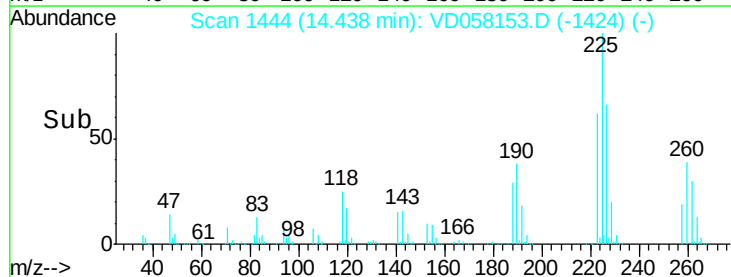
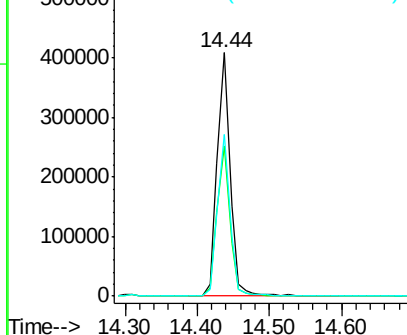


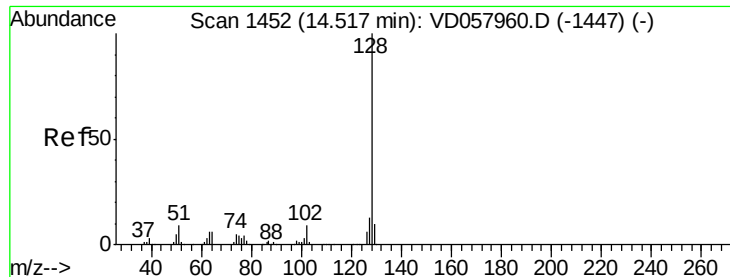
#94
 Hexachlorobutadiene
 Concen: 54.801 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion:225 Resp: 505936
 Ion Ratio Lower Upper
 225 100
 223 61.9 29.5 88.6
 227 66.5 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: 51.999 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

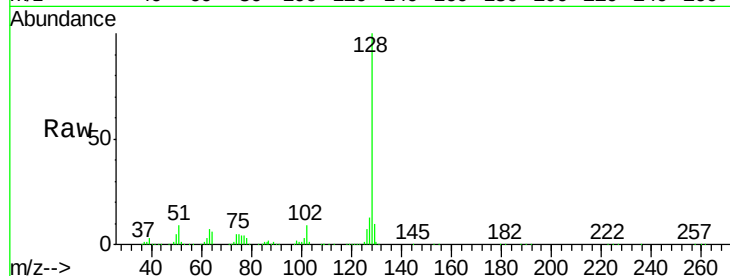
Tot Ion:128 Resp: 786923

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

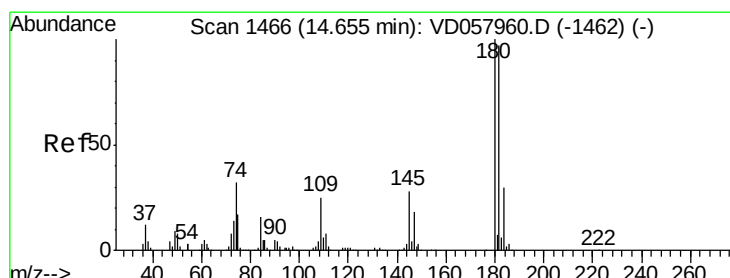
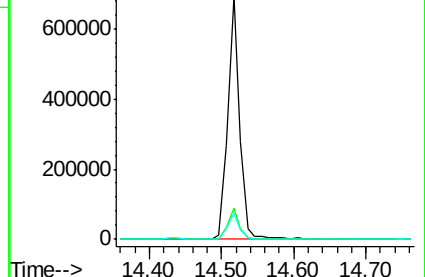
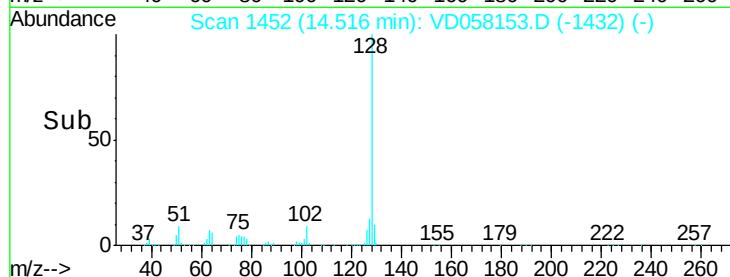
129 10.4 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.582 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

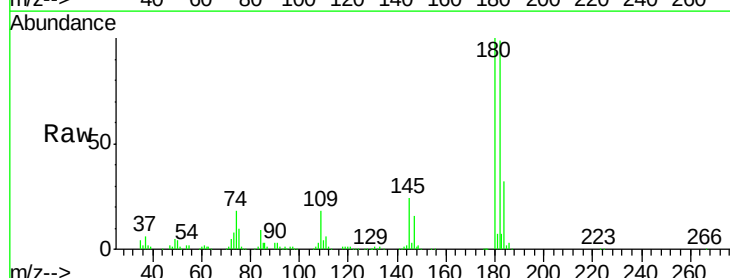
Tgt Ion:180 Resp: 545975

Ion Ratio Lower Upper

180 100

182 98.7 48.5 145.5

145 24.4 14.2 42.8



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

