

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058042.D
 Acq On : 9 Jun 2018 4:30
 Operator : VA/AP
 Sample : J3354-03MS
 Misc : 17.66g/5ml/MSVOA D/SOIL
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 05:44:26 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	5.64	168	251579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	391930	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	360949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	178206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	219682	87.34	ug/l	0.00
Spiked Amount			Recovery	=	174.68%	
35) Dibromofluoromethane	5.54	113	193667	63.87	ug/l	-0.02
Spiked Amount			Recovery	=	127.74%	
50) Toluene-d8	8.70	98	377302	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.92	95	183017	58.19	ug/l	0.00
Spiked Amount			Recovery	=	116.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	121497	35.983	ug/l	98
3) Chloromethane	1.49	50	88872	53.443	ug/l	95
4) Vinyl Chloride	1.57	62	68248	42.398	ug/l	99
5) Bromomethane	1.80	94	39190	62.120	ug/l	94
6) Chloroethane	1.89	64	39681	62.482	ug/l #	87
7) Trichlorofluoromethane	2.10	101	101246	46.013	ug/l	94
8) Diethyl Ether	2.35	74	45223	110.635	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.56	101	62752	47.813	ug/l	96
10) Methyl Iodide	2.70	142	89627	52.925	ug/l	92
11) Tert butyl alcohol	3.26	59	52506	779.277	ug/l	100
12) 1,1-Dichloroethene	2.55	96	45155	44.752	ug/l	93
14) Allyl chloride	2.92	41	124401	53.447	ug/l	94
15) Acrylonitrile	3.36	53	269623	684.025	ug/l	99
16) Acetone	2.61	43	291139	803.436	ug/l	99
17) Carbon Disulfide	2.76	76	136817	37.431	ug/l	97
18) Methyl Acetate	2.93	43	133191	190.004	ug/l #	88
19) Methyl tert-butyl Ether	3.41	73	482787	108.742	ug/l	99
20) Methylene Chloride	3.07	84	75887	74.044	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	103951	46.255	ug/l	86
22) Diisopropyl ether	4.07	45	806004	87.409	ug/l	97
23) Vinyl Acetate	4.02	43	2016020	423.146	ug/l	100
24) 1,1-Dichloroethane	3.97	63	324217	63.975	ug/l	98
25) 2-Butanone	4.82	43	564112	684.997	ug/l	98
26) 2,2-Dichloropropane	4.79	77	196059	46.964	ug/l	92
27) cis-1,2-Dichloroethene	4.80	96	170608	64.008	ug/l	94
28) Bromochloromethane	5.15	49	200114	91.234	ug/l	98
29) Tetrahydrofuran	5.18	42	303720	703.548	ug/l	99
30) Chloroform	5.32	83	368786	72.306	ug/l	99
31) Cyclohexane	5.59	56	176048	40.254	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	229343	53.704	ug/l	95
36) 1,1-Dichloropropene	5.74	75	160207	37.102	ug/l	98
37) Ethyl Acetate	4.91	43	261134	110.832	ug/l	97
38) Carbon Tetrachloride	5.72	117	173962	40.879	ug/l	94
39) Methylcyclohexane	7.28	83	139575	32.607	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.01	78	585719	58.066	ug/l	99
41) Methacrylonitrile	5.12	41	134553	124.896	ug/l	94
42) 1,2-Dichloroethane	6.12	62	325254	79.750	ug/l	96
43) Isopropyl Acetate	7.61	43	332456	107.725	ug/l #	99
44) Trichloroethene	6.97	130	127116	43.143	ug/l	97
45) 1,2-Dichloropropane	7.33	63	188837	67.356	ug/l	96
46) Dibromomethane	7.45	93	144388	80.171	ug/l	96
47) Bromodichloromethane	7.74	83	291780	69.193	ug/l	97
48) Methyl methacrylate	7.49	41	199968	105.274	ug/l	96
49) 1,4-Dioxane	7.48	88	39510	2510.819	ug/l #	86
51) 4-Methyl-2-Pentanone	8.58	43	1171439	591.788	ug/l	98
52) Toluene	8.79	92	310029	53.553	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	245369	67.538	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	265903	62.124	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	169159	90.285	ug/l	96
56) Ethyl methacrylate	9.30	69	233367	101.540	ug/l	92
57) 1,3-Dichloropropane	9.66	76	289411	88.071	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	565987	487.436	ug/l	100
59) 2-Hexanone	9.78	43	795136	548.126	ug/l	98
60) Dibromochloromethane	9.95	129	209206	79.183	ug/l	95
61) 1,2-Dibromoethane	10.08	107	180816	83.919	ug/l	96
64) Tetrachloroethene	9.50	164	123932	38.406	ug/l	97
65) Chlorobenzene	10.71	112	373596	51.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	168367	59.972	ug/l	99
67) Ethyl Benzene	10.85	91	611040	46.286	ug/l	98
68) m/p-Xylenes	11.01	106	410314	95.342	ug/l	92
69) o-Xylene	11.40	106	220068	51.516	ug/l	96
70) Stvrene	11.43	104	369945	52.313	ug/l	97
71) Bromoform	11.60	173	170201	80.590	ug/l	98
73) Isopropylbenzene	11.76	105	535783	45.392	ug/l	100
74) N-amyl acetate	11.64	43	360778	79.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	254595	98.931	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	247109	92.311	ug/l	99
77) Bromobenzene	12.03	156	192593	55.123	ug/l	99
78) n-propylbenzene	12.15	91	653566	42.552	ug/l	98
79) 2-Chlorotoluene	12.21	91	433208	49.440	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	445688	48.417	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	51488	77.656	ug/l	85
82) 4-Chlorotoluene	12.32	91	473940	55.998	ug/l	97
83) tert-Butylbenzene	12.57	119	498865	47.996	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	493391	49.850	ug/l	99
85) sec-Butylbenzene	12.75	105	490343	39.090	ug/l	99
86) p-Isopropyltoluene	12.88	119	413340	40.883	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	283487	47.966	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	280259	48.669	ug/l	99
89) n-Butylbenzene	13.19	91	370222	39.749	ug/l	97
90) Hexachloroethane	13.40	117	101719	39.419	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	296785	62.138	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	43235	108.857	ug/l #	47
93) 1,2,4-Trichlorobenzene	14.33	180	191779	42.978	ug/l	92

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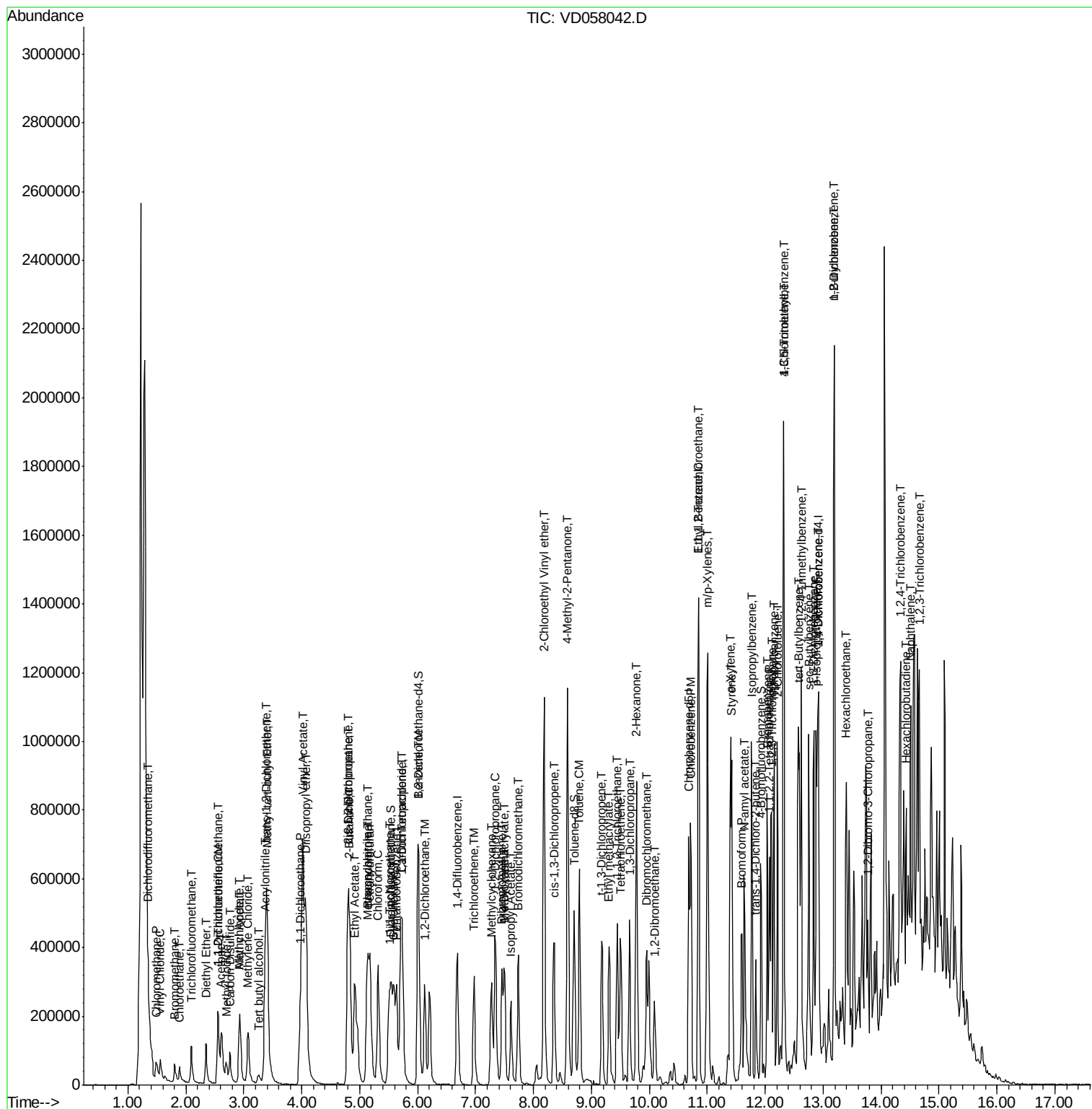
Instrument :
MSVOA_D
ClientSampleId :

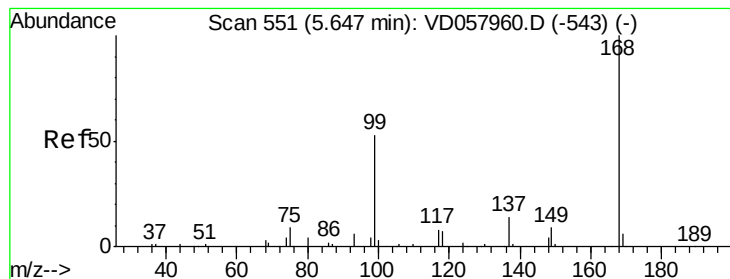
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	77719	22.143	ug/l	98
95) Naphthalene	14.51	128	395195	68.690	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	188947	49.686	ug/l #	83

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

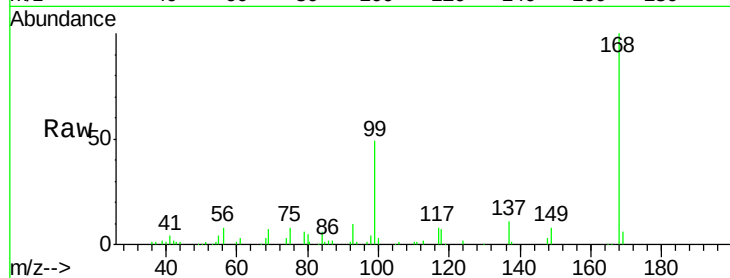
ClientSampleId :

Tot Ion:168 Resp: 251579

Ion Ratio Lower Upper

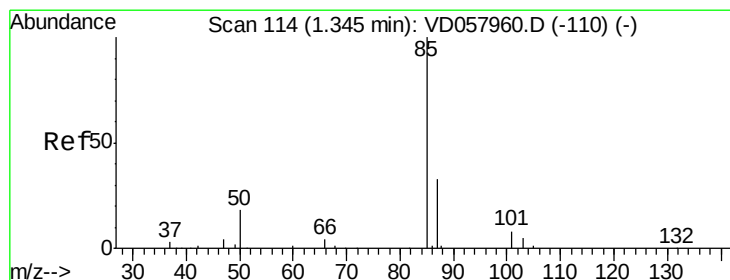
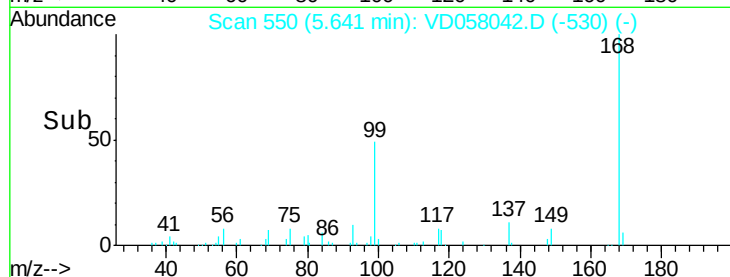
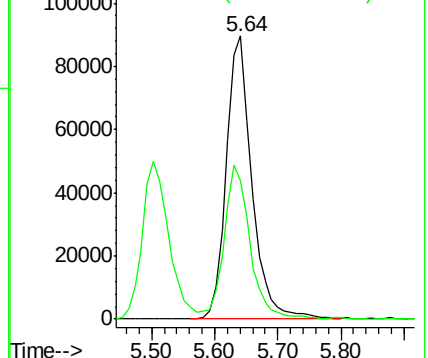
168 100

99 49.2 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: 35.983 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058042.D

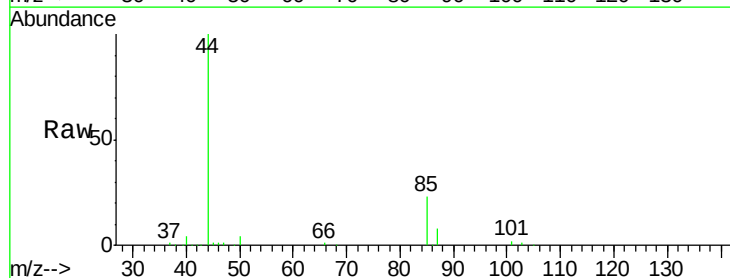
Acq: 9 Jun 2018 4:30

Tgt Ion: 85 Resp: 121497

Ion Ratio Lower Upper

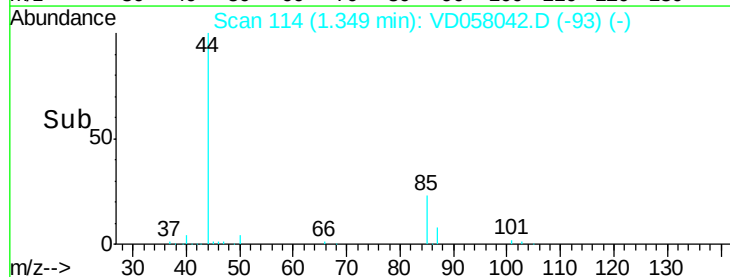
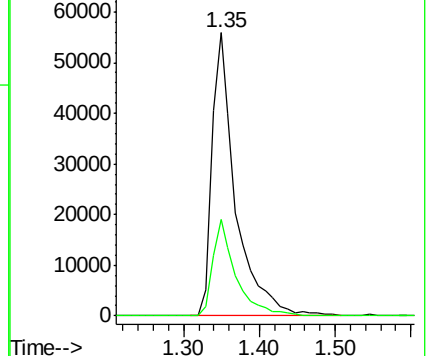
85 100

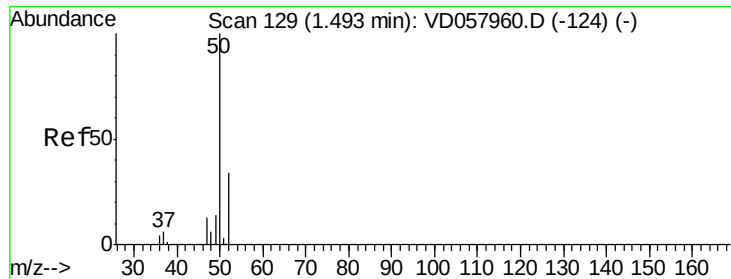
87 34.0 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.443 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

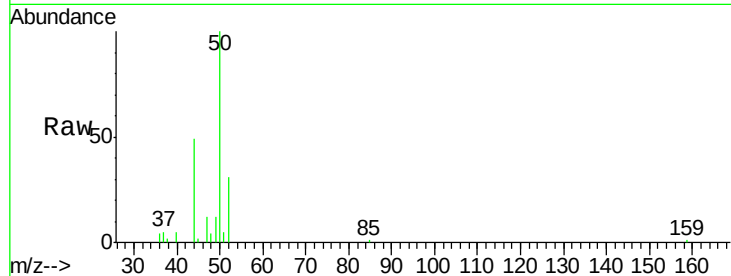
ClientSampleId :

Tot Ion: 50 Resp: 88872

Ion Ratio Lower Upper

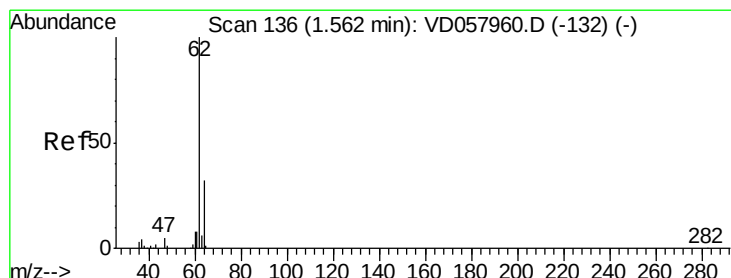
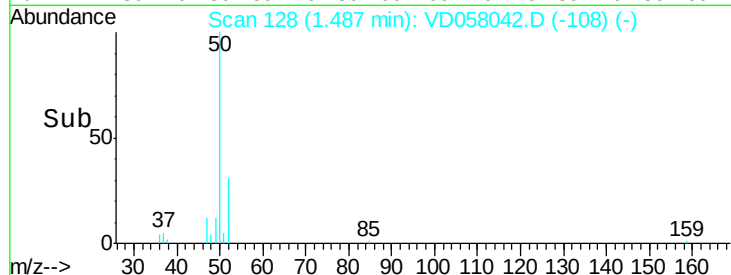
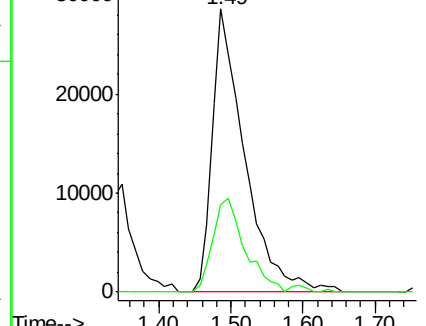
50 100

52 31.0 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: 42.398 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD058042.D

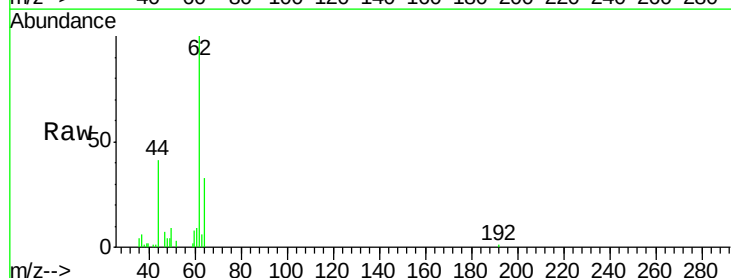
Acq: 9 Jun 2018 4:30

Tgt Ion: 62 Resp: 68248

Ion Ratio Lower Upper

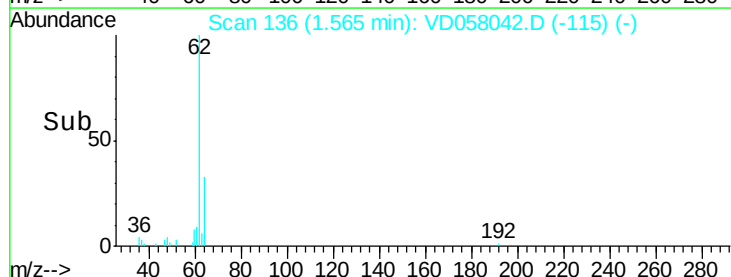
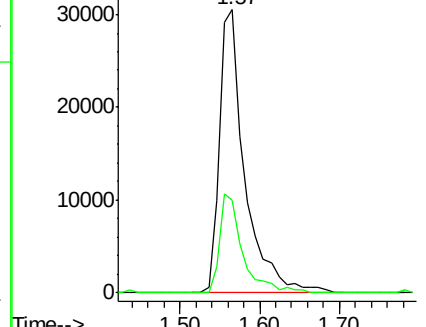
62 100

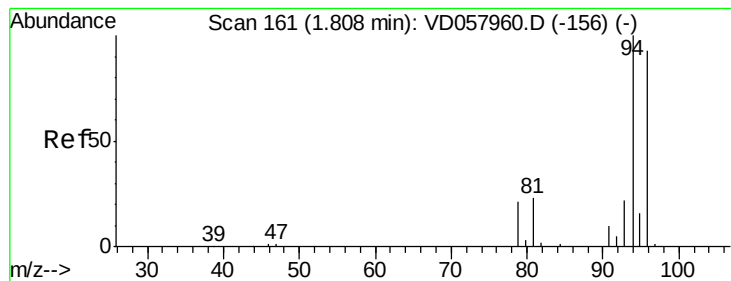
64 32.6 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.120 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

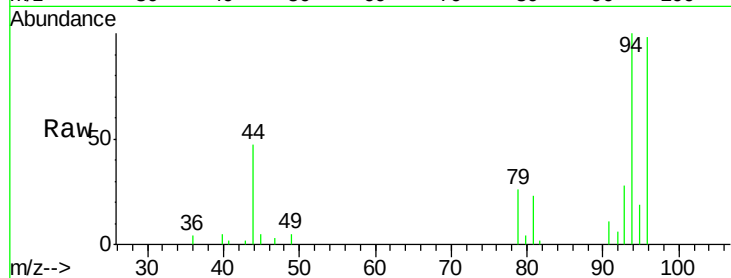
ClientSampleId :

Tot Ion: 94 Resp: 39190

Ion Ratio Lower Upper

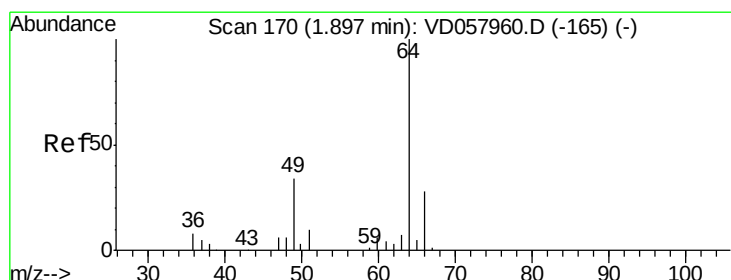
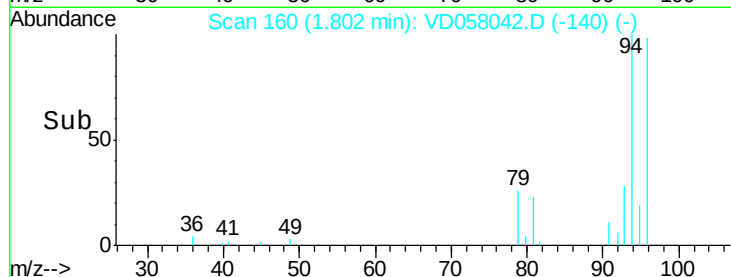
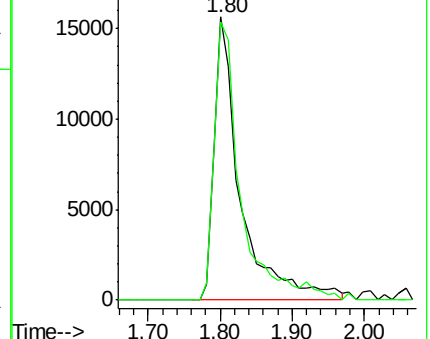
94 100

96 98.2 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: 62.482 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058042.D

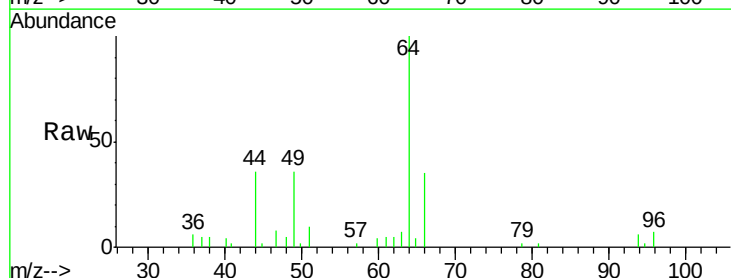
Acq: 9 Jun 2018 4:30

Tgt Ion: 64 Resp: 39681

Ion Ratio Lower Upper

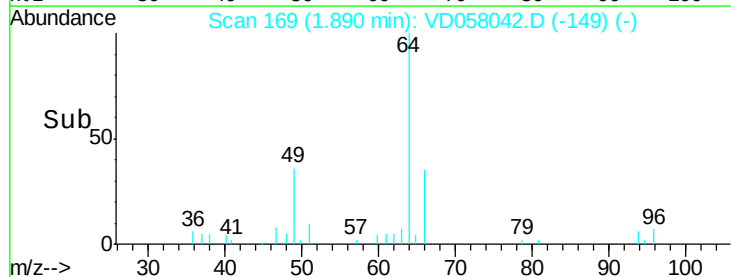
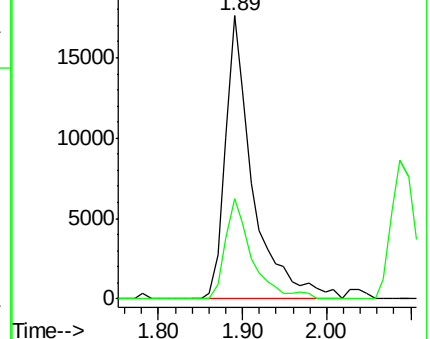
64 100

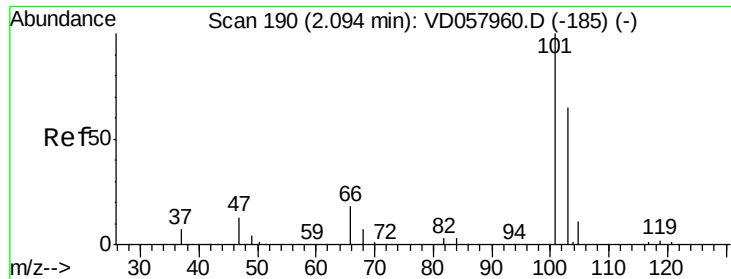
66 35.4 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



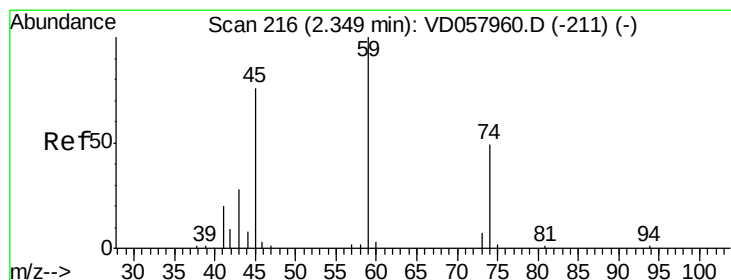
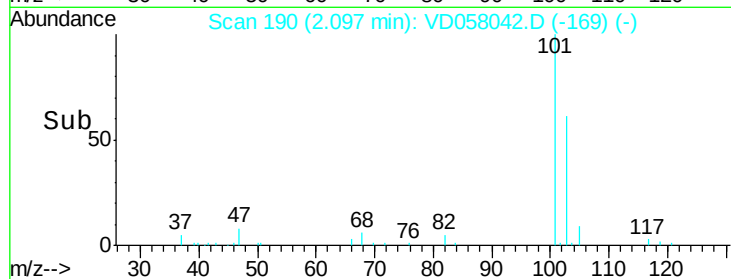
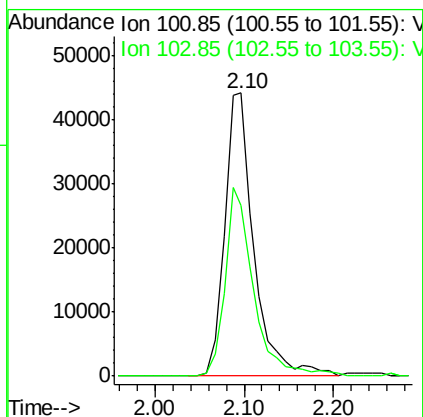
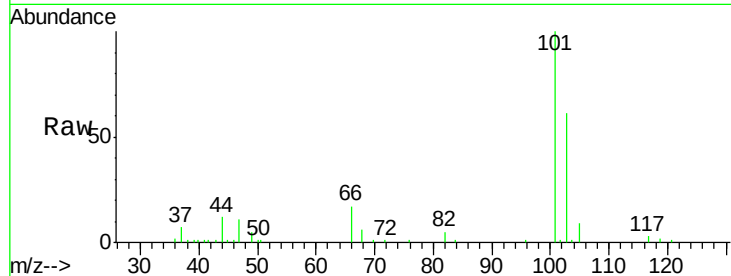


#7

Trichlorofluoromethane
 Concen: 46.013 ug/l
 RT: 2.10 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleId :

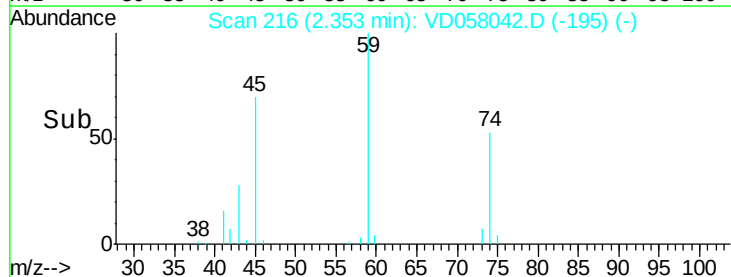
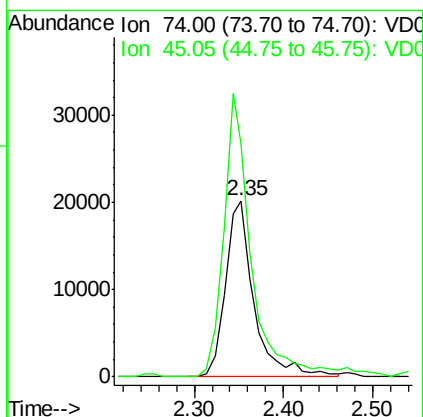
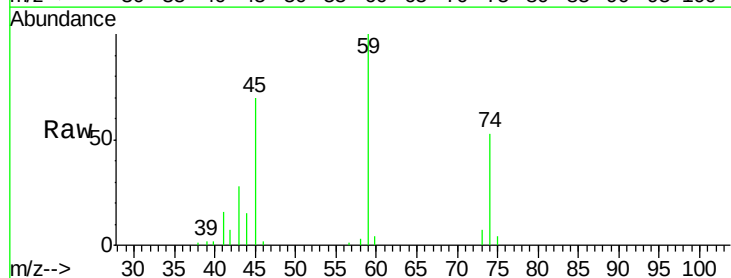
Tot Ion:101 Resp: 101246
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.4 78.6

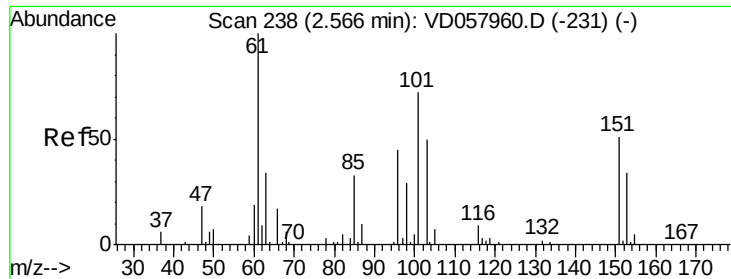


#8

Diethyl Ether
 Concen: 110.635 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 74 Resp: 45223
 Ion Ratio Lower Upper
 74 100
 45 132.3 77.1 231.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.813 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampled :

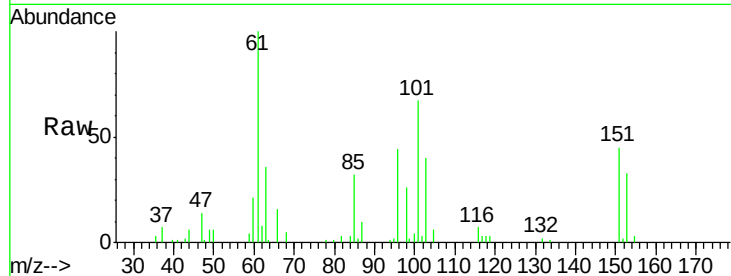
Tot Ion:101 Resp: 62752

Ion Ratio Lower Upper

101 100

85 48.2 37.3 55.9

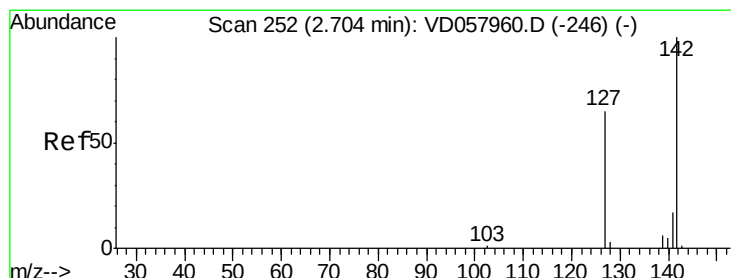
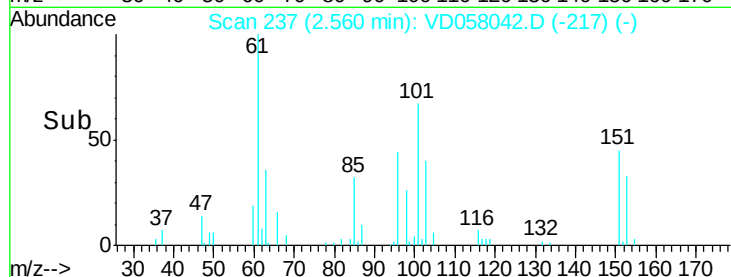
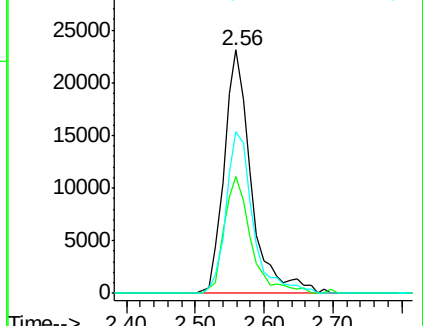
151 66.6 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.925 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

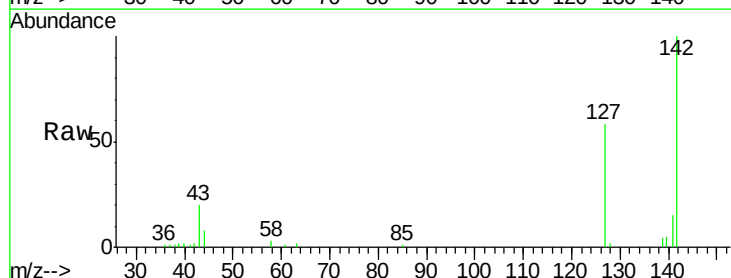
Tgt Ion:142 Resp: 89627

Ion Ratio Lower Upper

142 100

127 58.0 52.0 78.0

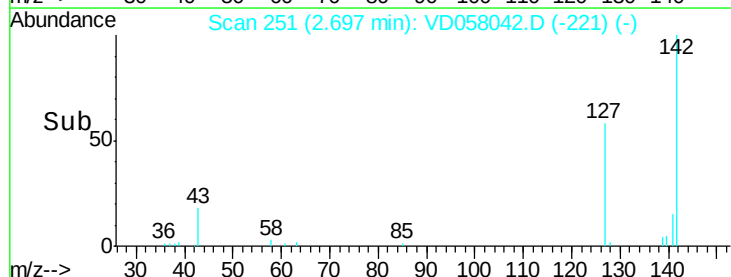
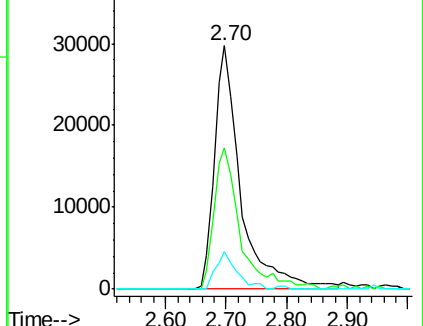
141 15.3 13.2 19.8

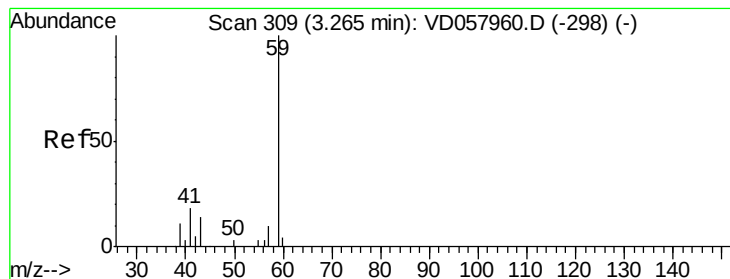


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



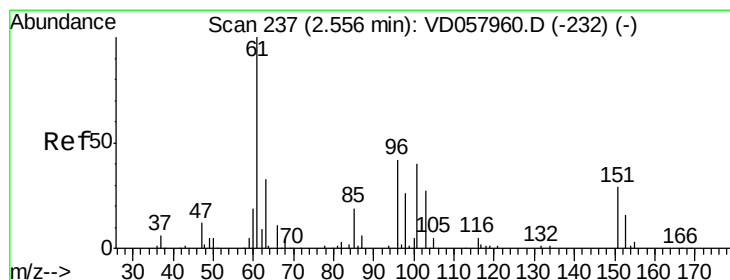
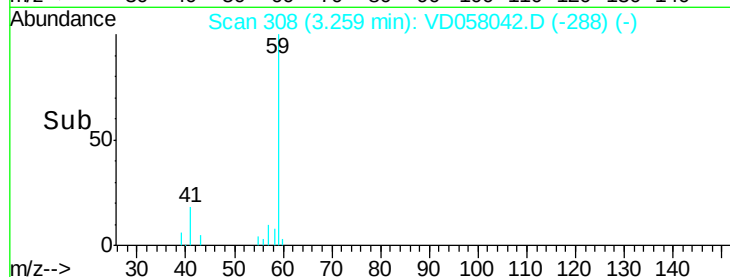
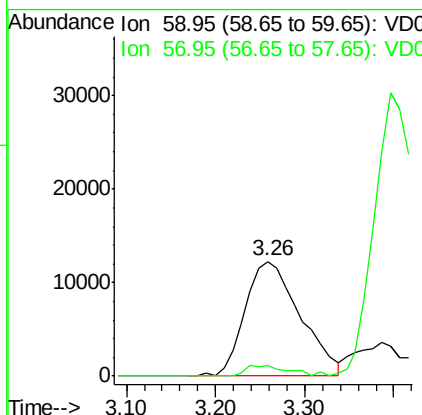
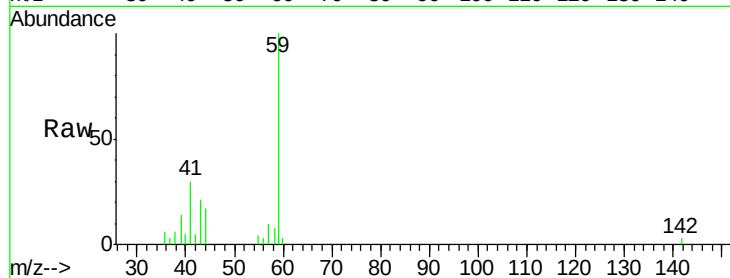


#11

Tert butyl alcohol
 Concen: 779.277 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampled :

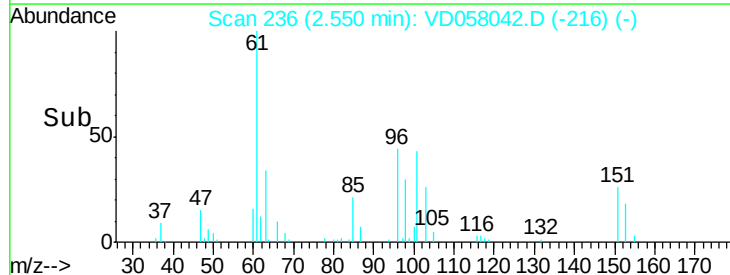
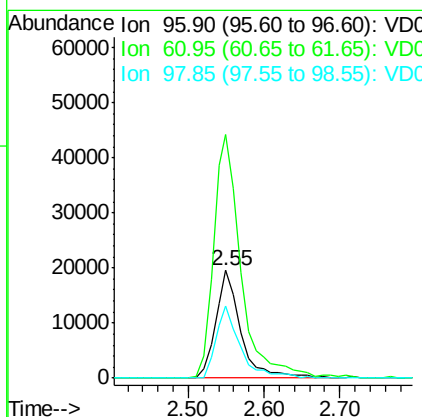
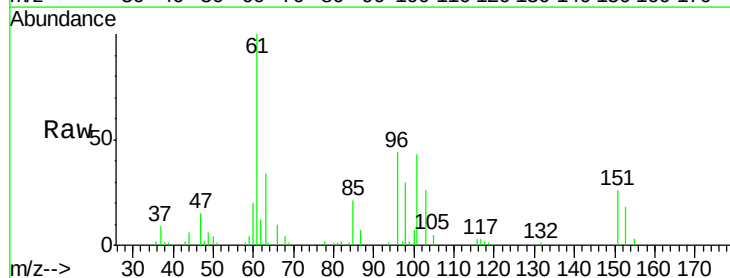
Tot Ion: 59 Resp: 52506
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

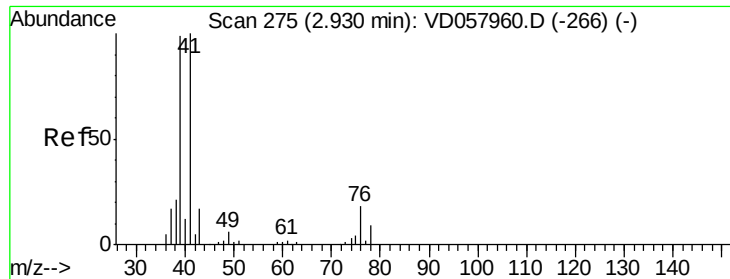


#12

1,1-Dichloroethene
 Concen: 44.752 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 96 Resp: 45155
 Ion Ratio Lower Upper
 96 100
 61 225.8 190.2 285.4
 98 66.8 49.6 74.4

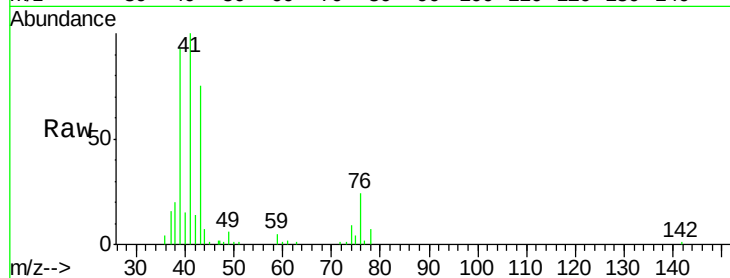




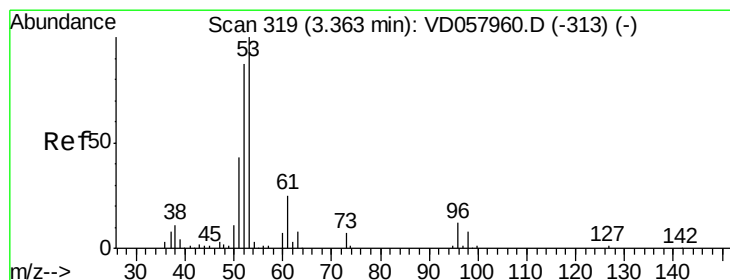
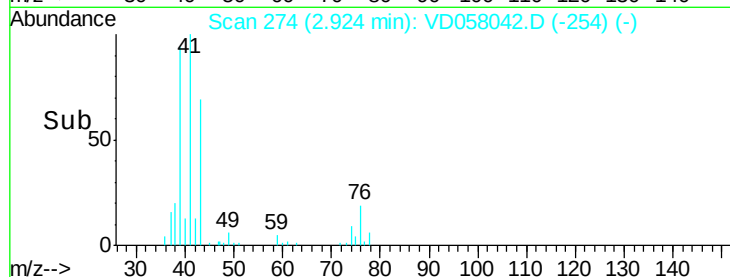
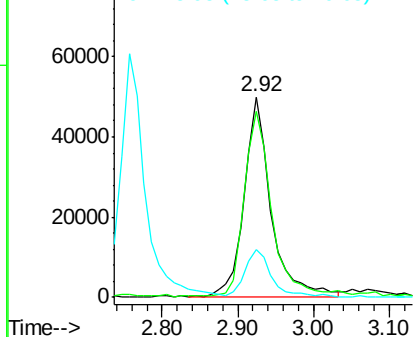
#14
Allvl chloride
Concen: 53.447 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 124401
Ion Ratio Lower Upper
41 100
39 93.0 79.5 119.3
76 24.0 20.7 31.1

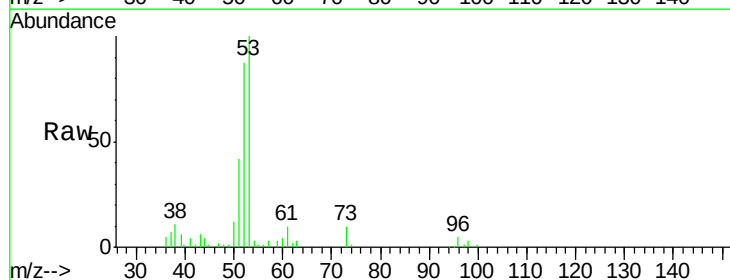


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

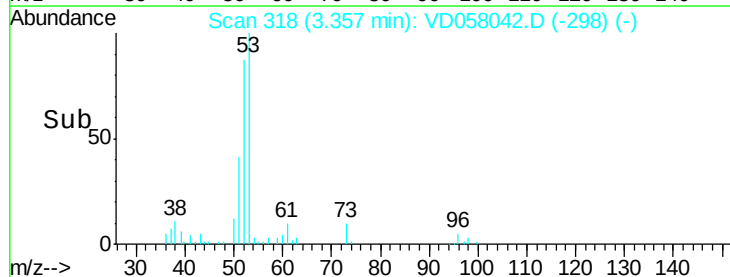
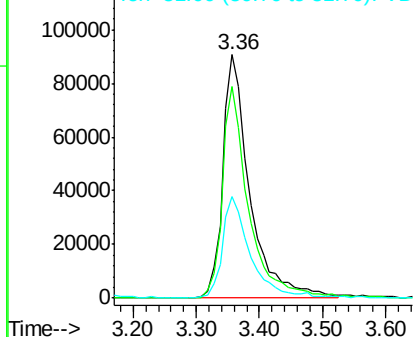


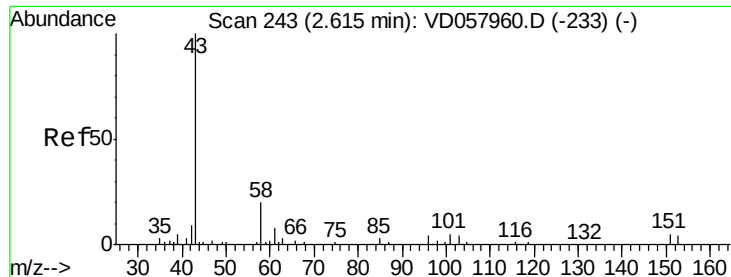
#15
Acrylonitrile
Concen: 684.025 ug/l
RT: 3.36 min Scan# 318
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 53 Resp: 269623
Ion Ratio Lower Upper
53 100
52 87.0 69.9 104.9
51 41.9 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

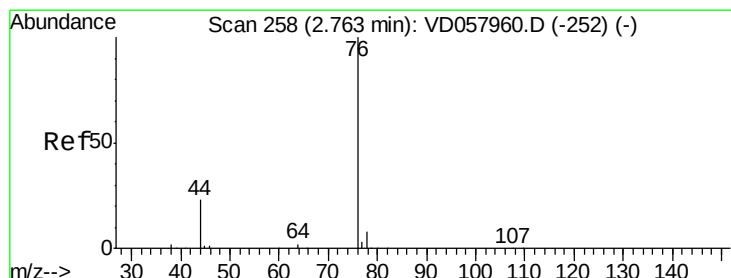
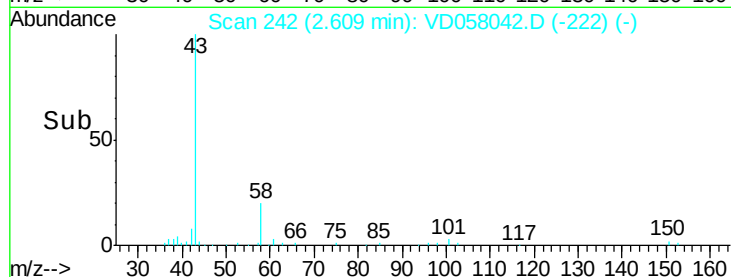
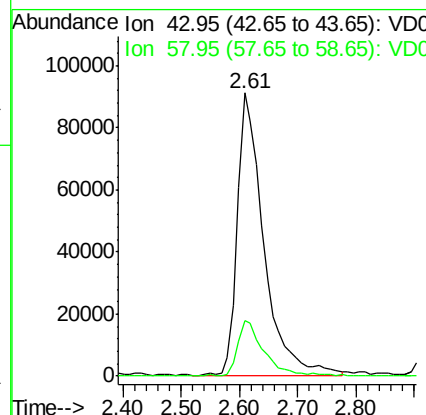
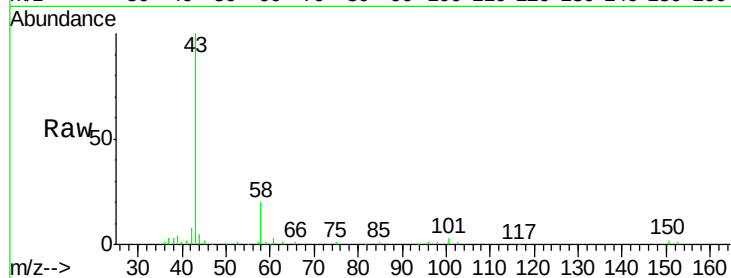




#16
Acetone
Concen: 803.436 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

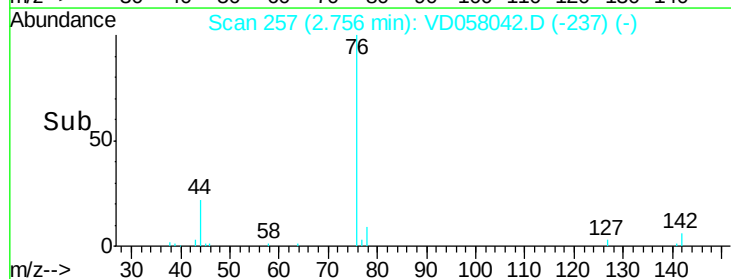
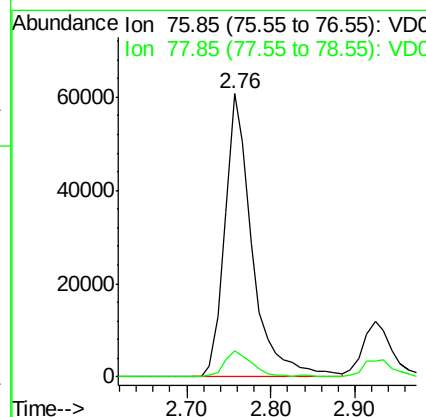
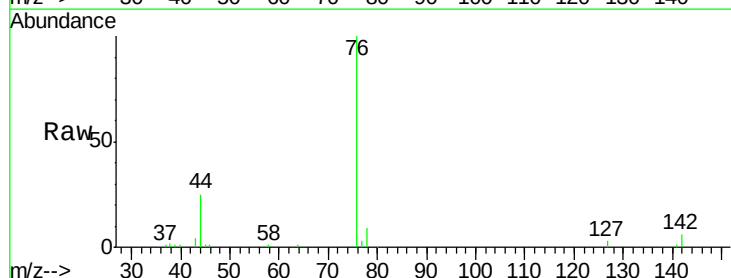
Instrument :
MSVOA_D
ClientSampled :

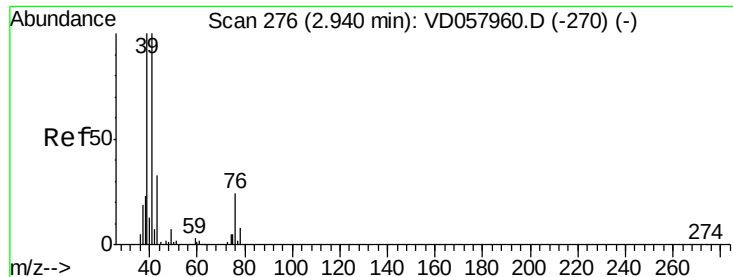
Tot Ion: 43 Resp: 291139
Ion Ratio Lower Upper
43 100
58 19.5 15.8 23.8



#17
Carbon Disulfide
Concen: 37.431 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 76 Resp: 136817
Ion Ratio Lower Upper
76 100
78 9.4 6.7 10.1

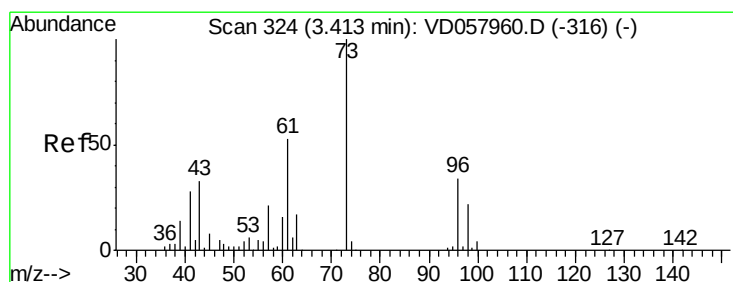
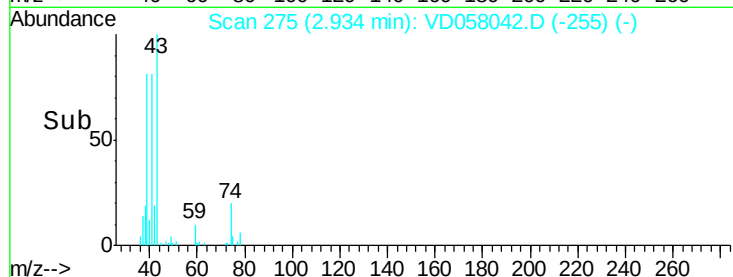
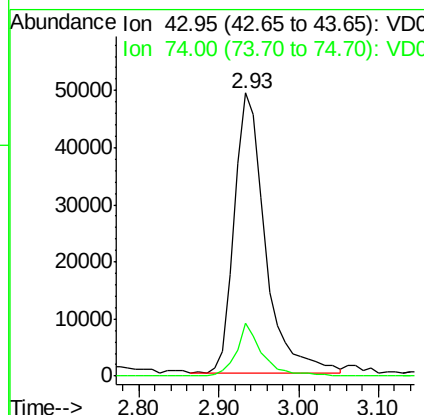
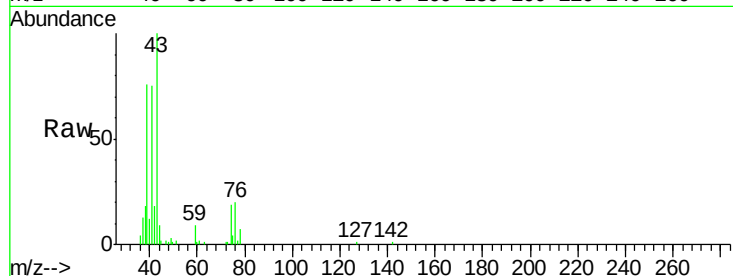




#18
Methvl Acetate
Concen: 190.004 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

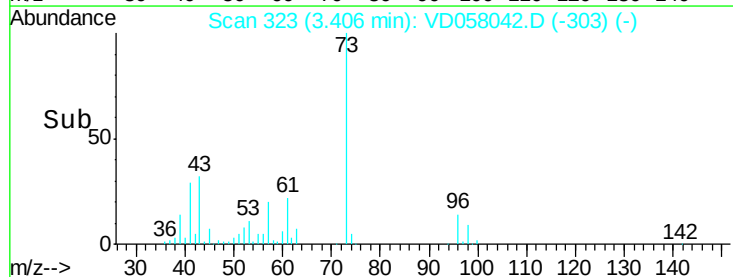
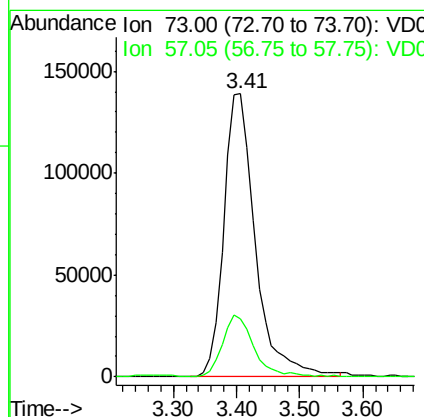
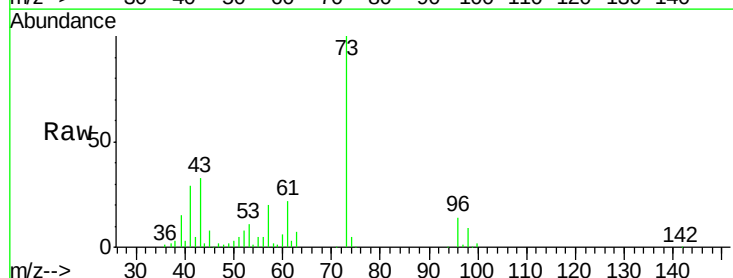
Instrument :
MSVOA_D
ClientSampled :

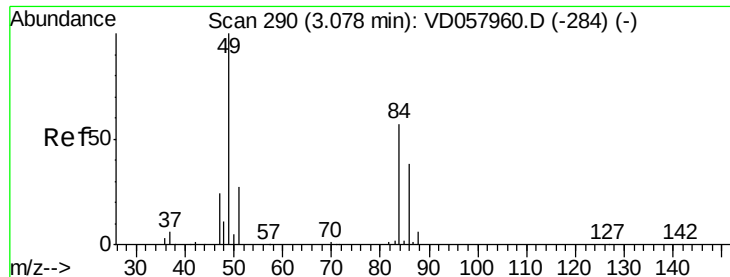
Tot Ion: 43 Resp: 133191
Ion Ratio Lower Upper
43 100
74 18.9 11.2 16.8#



#19
Methyl tert-butyl Ether
Concen: 108.742 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 73 Resp: 482787
Ion Ratio Lower Upper
73 100
57 20.5 16.7 25.1





#20

Methylene Chloride

Concen: 74.044 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 84 Resp: 75887

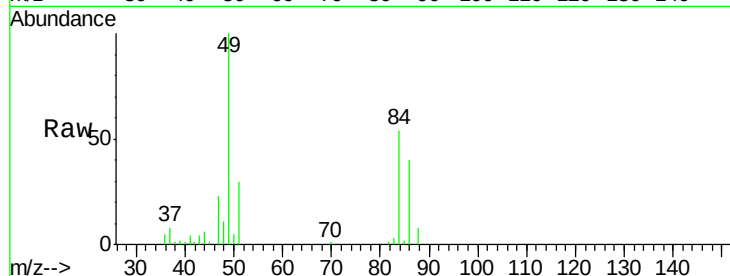
Ion	Ratio	Lower	Upper
84	100		
49	185.3	141.4	212.0
51	55.1	38.3	57.5
86	73.8	52.9	79.3

84 100

49 185.3 141.4 212.0

51 55.1 38.3 57.5

86 73.8 52.9 79.3

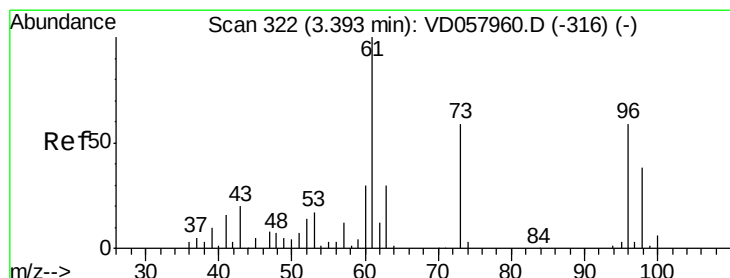
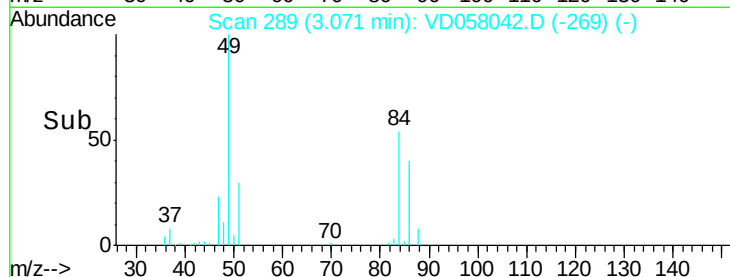
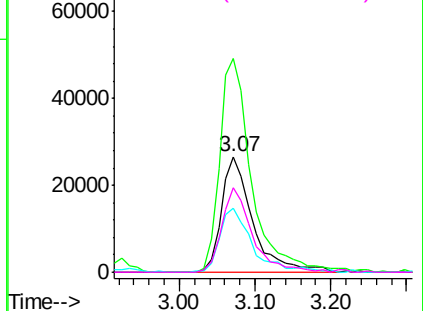


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#21

trans-1,2-Dichloroethene

Concen: 46.255 ug/l

RT: 3.39 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

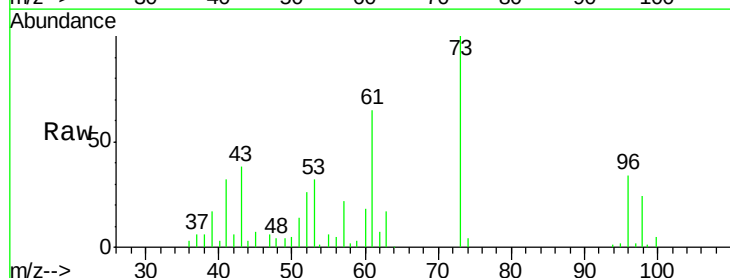
Tgt Ion: 96 Resp: 103951

Ion	Ratio	Lower	Upper
96	100		
61	191.4	135.2	202.8
98	69.9	51.7	77.5

96 100

61 191.4 135.2 202.8

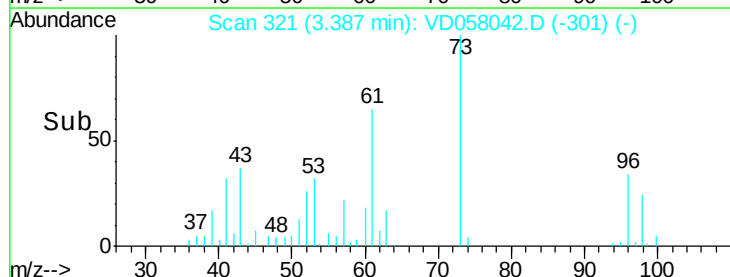
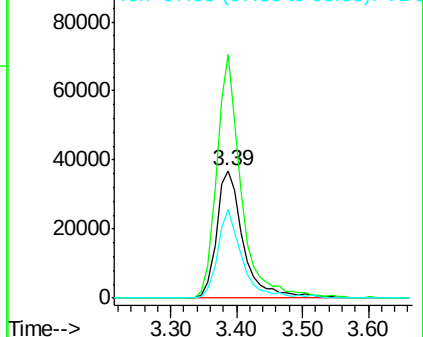
98 69.9 51.7 77.5

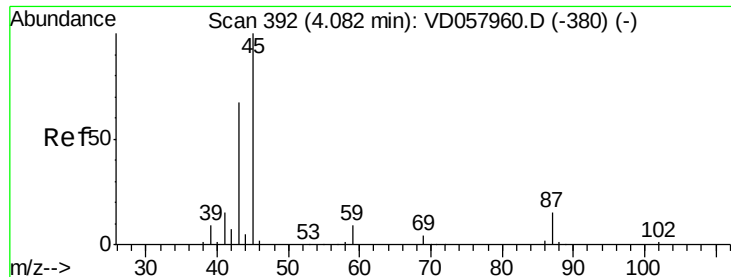


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

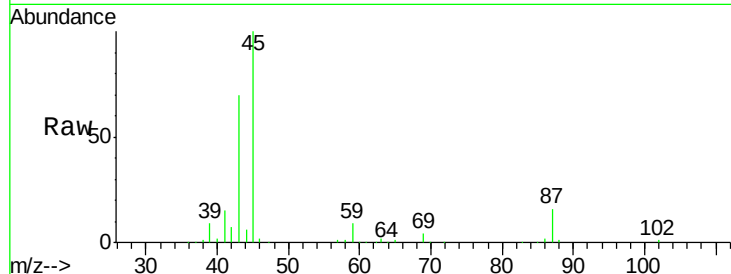




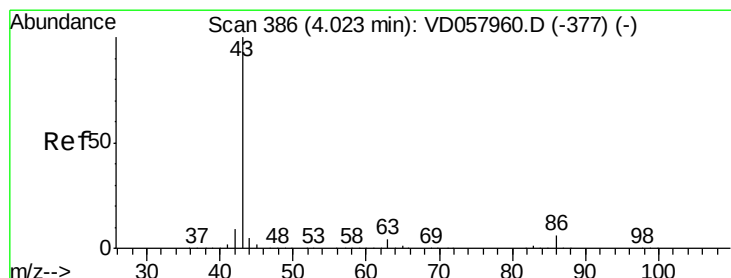
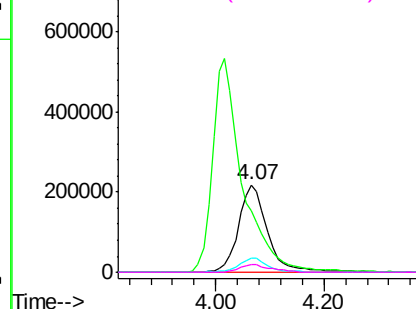
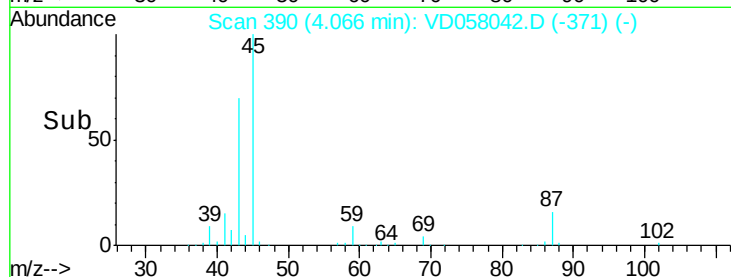
#22
Diisopropyl ether
Concen: 87.409 ug/l
RT: 4.07 min Scan# 390
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 45 Resp: 806004
Ion Ratio Lower Upper
45 100
43 70.4 53.8 80.8
87 15.9 12.5 18.7
59 8.7 7.3 10.9

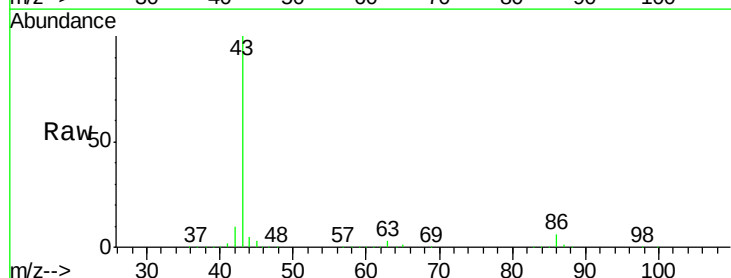


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

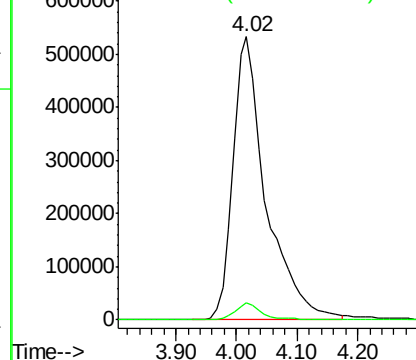
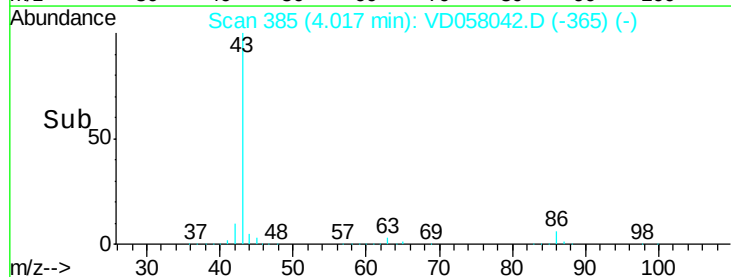


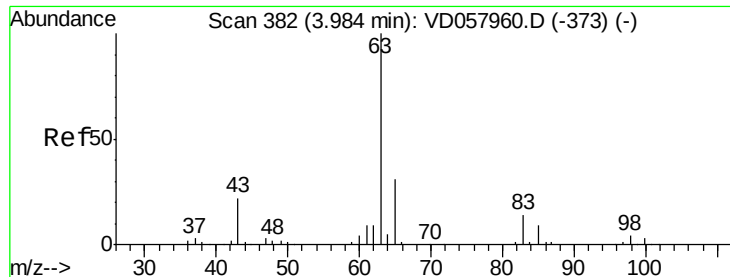
#23
Vinyl Acetate
Concen: 423.146 ug/l
RT: 4.02 min Scan# 385
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 2016020
Ion Ratio Lower Upper
43 100
86 6.0 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC

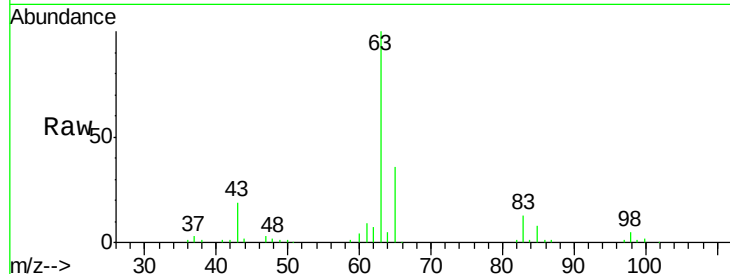




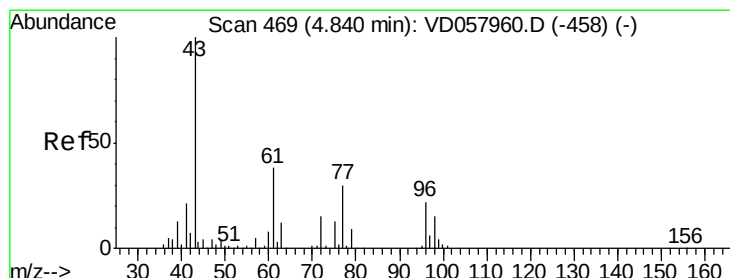
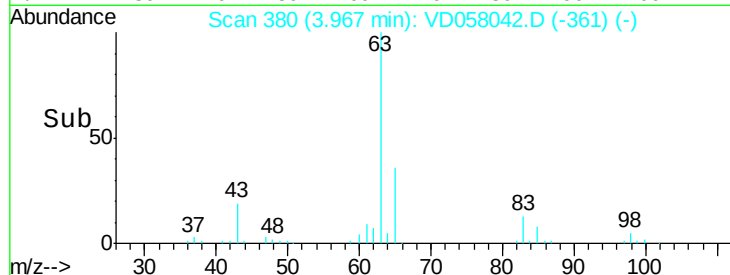
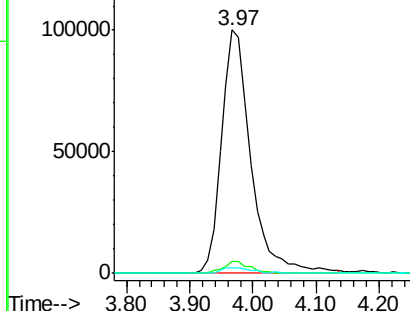
#24
 1,1-Dichloroethane
 Concen: 63.975 ug/l
 RT: 3.97 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 63 Resp: 324217
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.0 5.8
 100 2.3 1.4 4.2

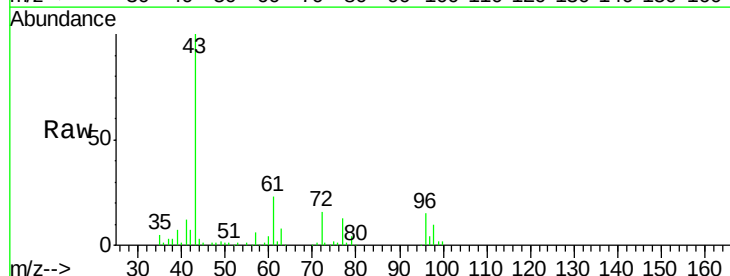


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC

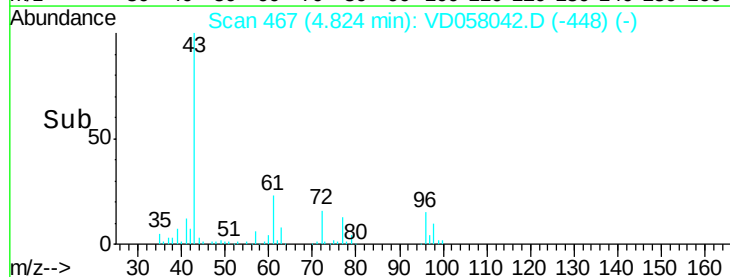
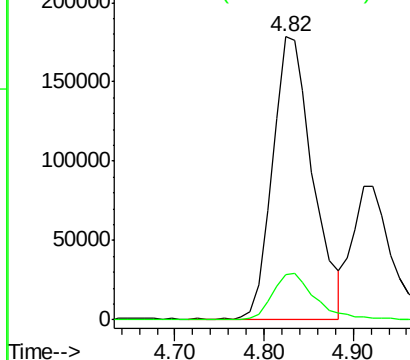


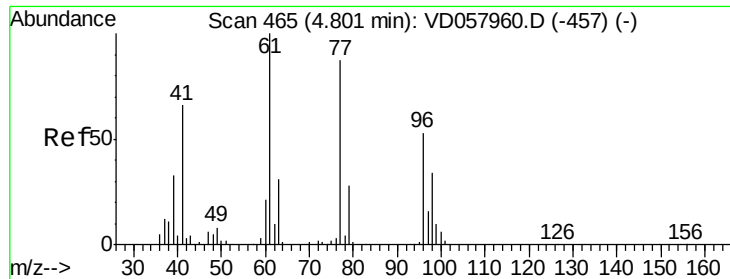
#25
 2-Butanone
 Concen: 684.997 ug/l
 RT: 4.82 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 564112
 Ion Ratio Lower Upper
 43 100
 72 15.8 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 72.00 (71.70 to 72.70): VDC

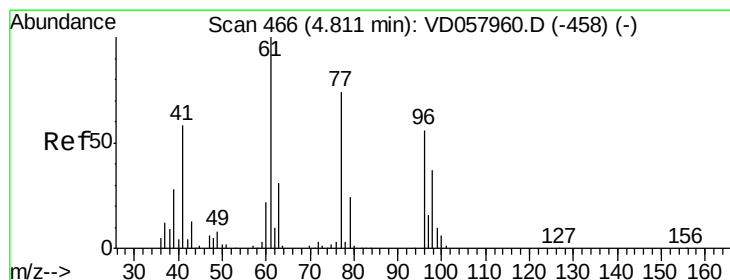
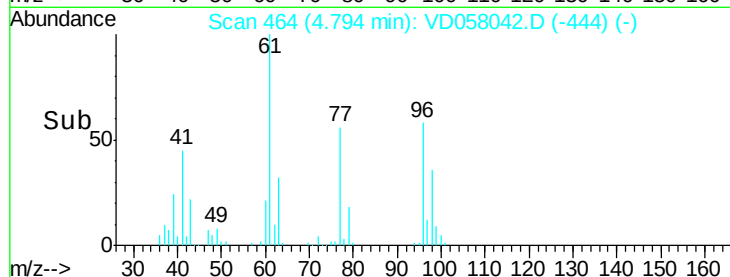
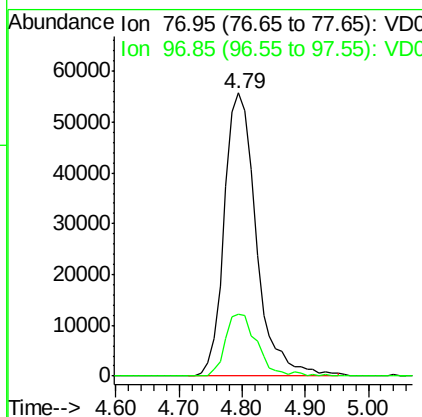
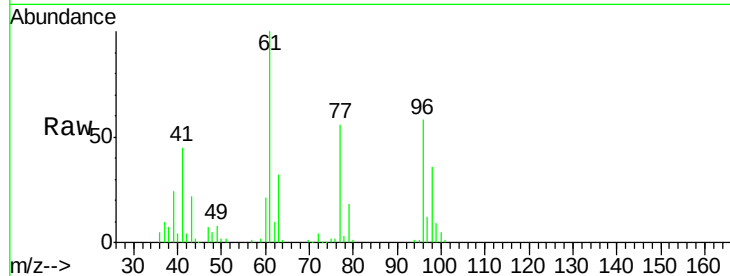




#26
 2,2-Dichloropropane
 Concen: 46.964 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

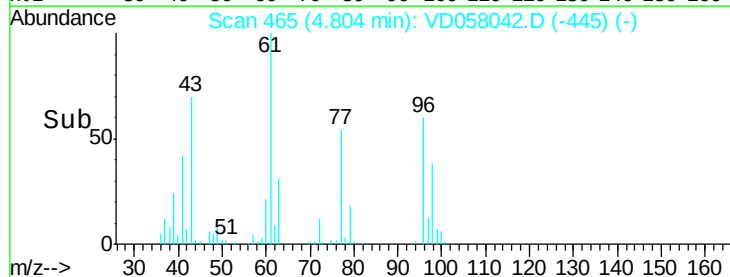
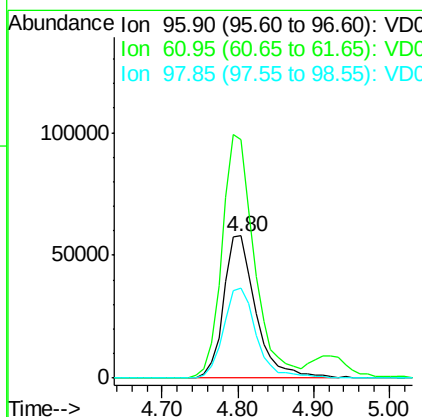
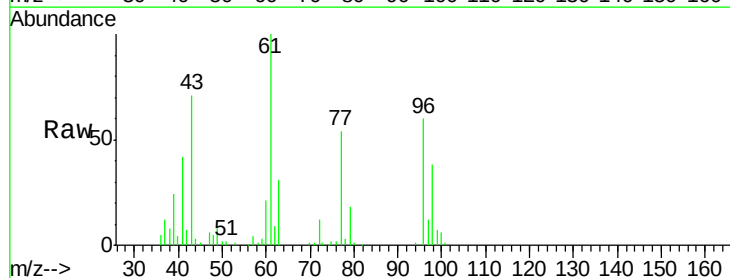
Instrument :
 MSVOA_D
 ClientSampleId :

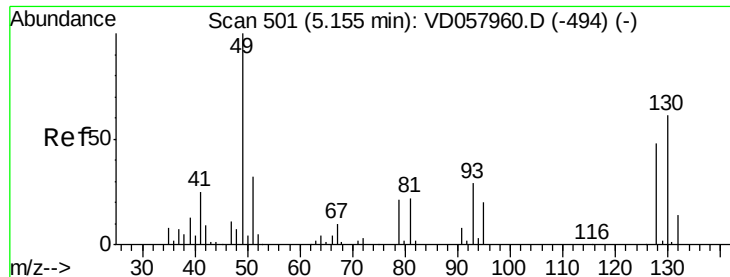
Tot Ion: 77 Resp: 196059
 Ion Ratio Lower Upper
 77 100
 97 22.1 9.2 27.6



#27
 cis-1,2-Dichloroethene
 Concen: 64.008 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 96 Resp: 170608
 Ion Ratio Lower Upper
 96 100
 61 167.9 0.0 355.0
 98 63.3 0.0 129.6





#28

Bromochloromethane

Concen: 91.234 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

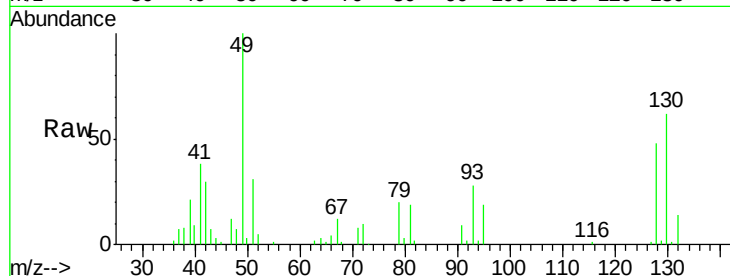
Tot Ion: 49 Resp: 200114

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

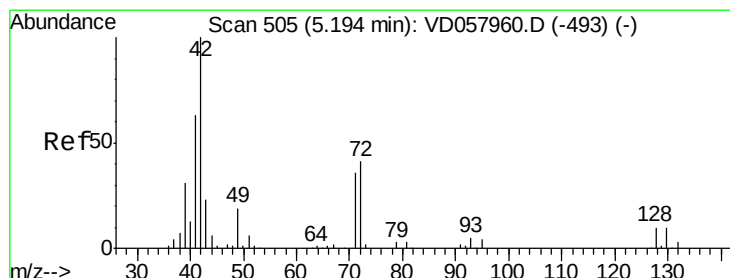
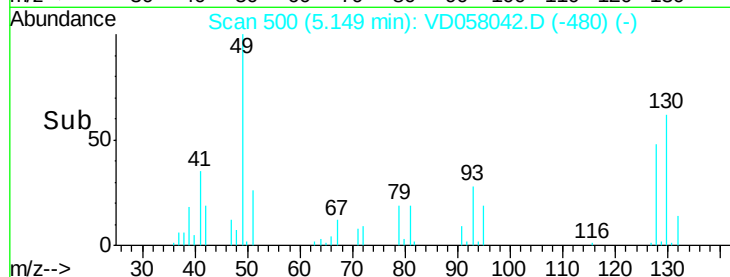
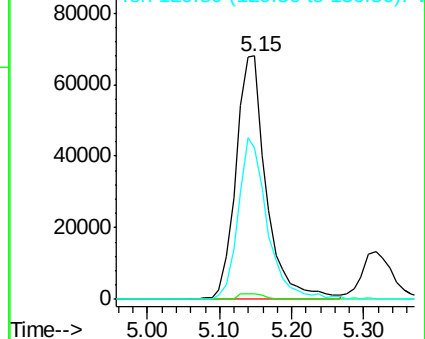
130 62.3 48.8 73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 703.548 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

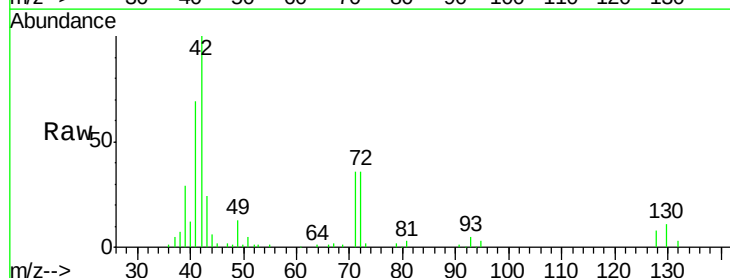
Tgt Ion: 42 Resp: 303720

Ion Ratio Lower Upper

42 100

72 34.6 28.5 42.7

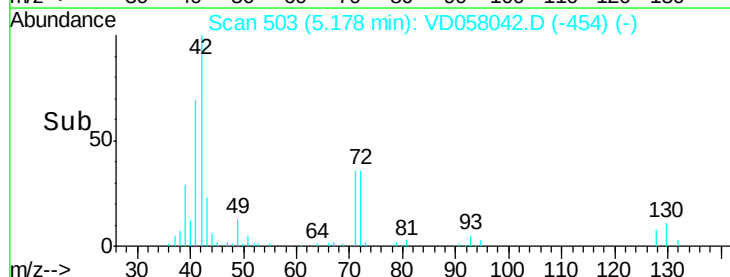
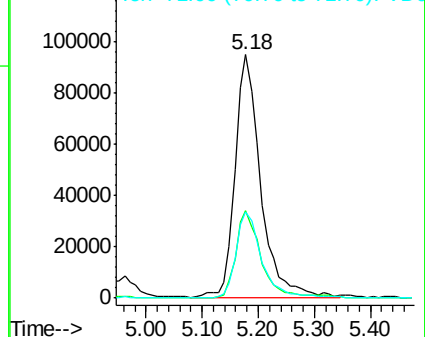
71 35.3 27.9 41.9

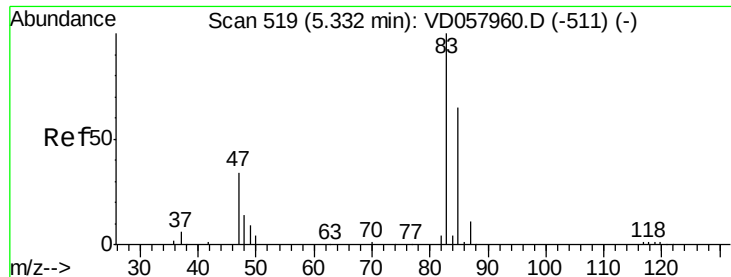


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

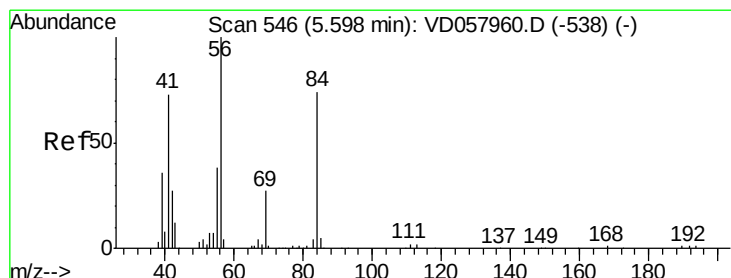
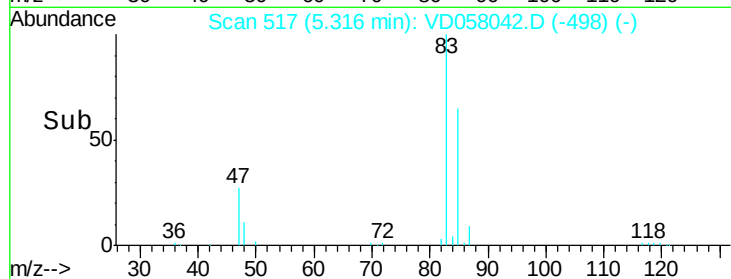
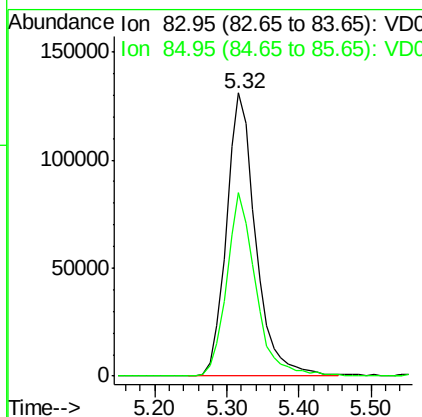
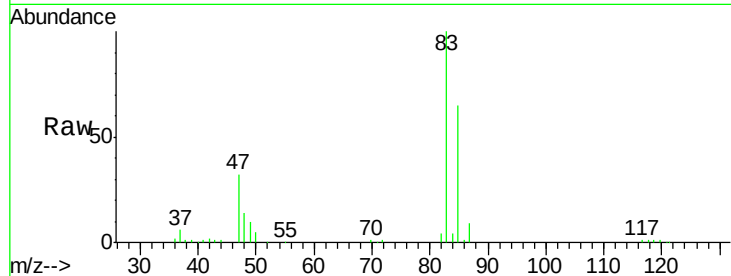




#30
Chloroform
Concen: 72.306 ug/l
RT: 5.32 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

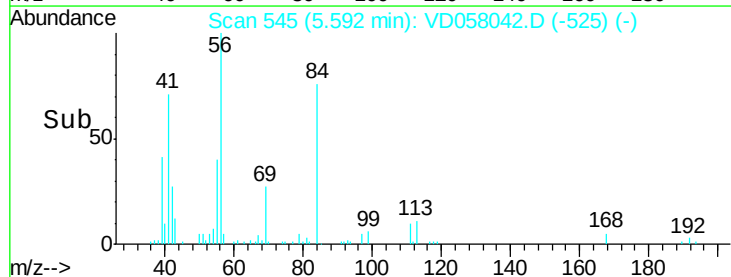
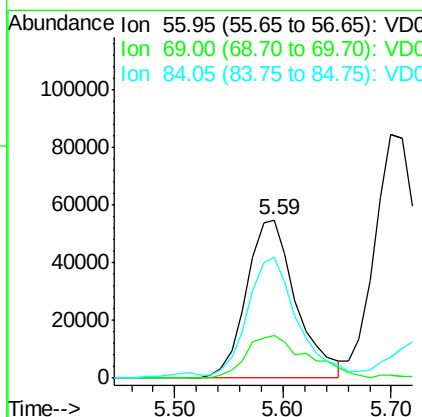
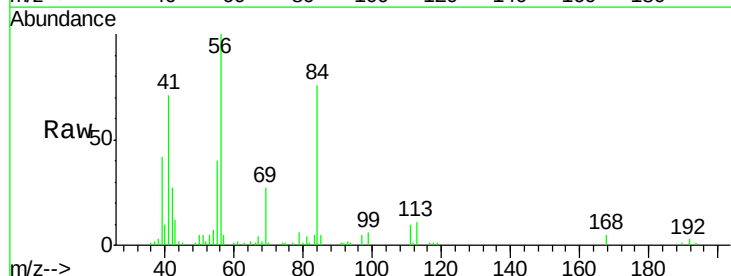
Instrument :
MSVOA_D
ClientSampleId :

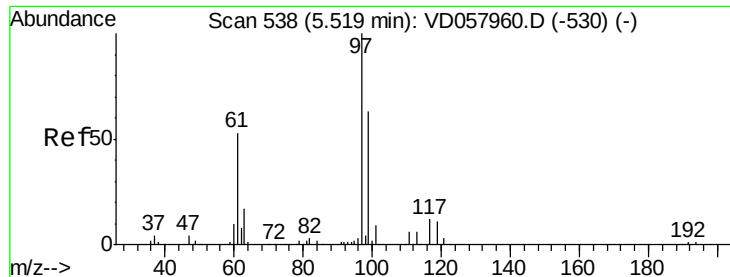
Tot Ion: 83 Resp: 368786
Ion Ratio Lower Upper
83 100
85 65.0 51.6 77.4



#31
Cyclohexane
Concen: 40.254 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 56 Resp: 176048
Ion Ratio Lower Upper
56 100
69 27.1 21.5 32.3
84 76.0 61.0 91.6





#32

1,1,1-Trichloroethane

Concen: 53.704 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

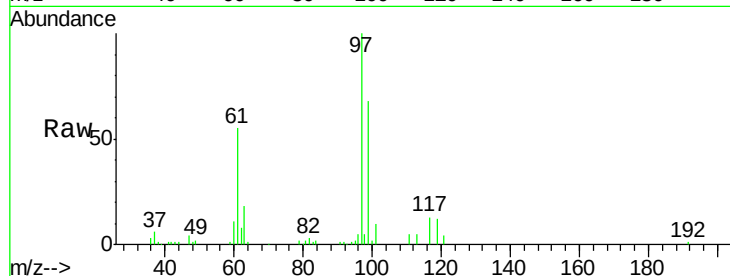
Tot Ion: 97 Resp: 229343

Ion Ratio Lower Upper

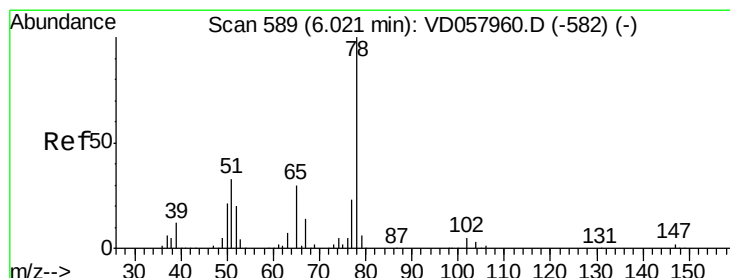
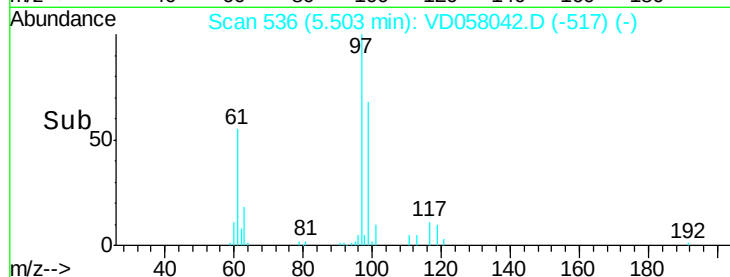
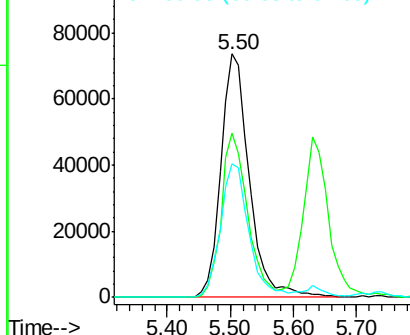
97 100

99 67.6 50.1 75.1

61 54.9 42.2 63.4



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



#33

1,2-Dichloroethane-d4

Concen: 53.704 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058042.D

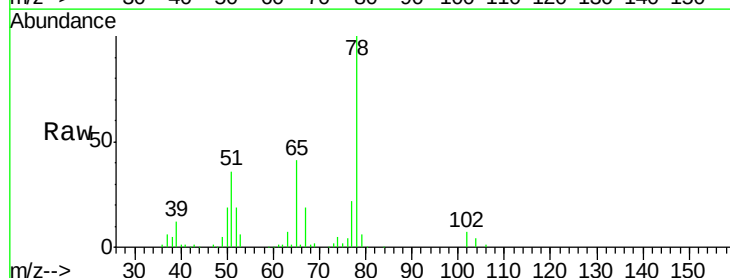
Acq: 9 Jun 2018 4:30

Tgt Ion: 65 Resp: 219682

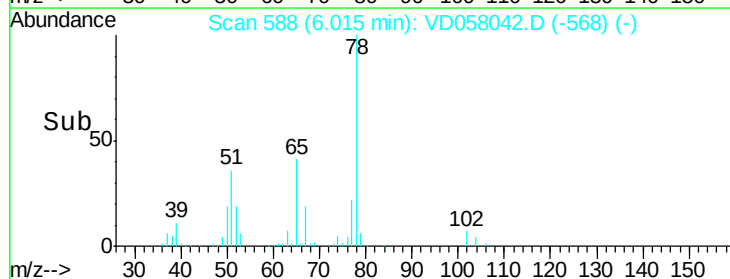
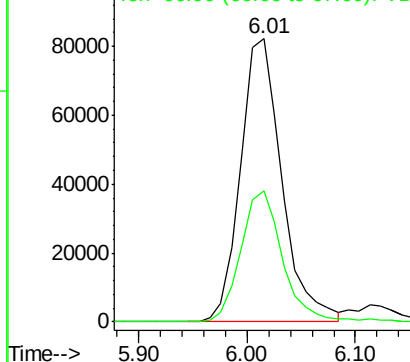
Ion Ratio Lower Upper

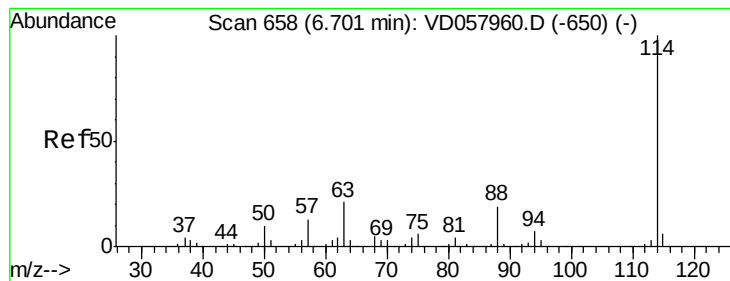
65 100

67 46.2 0.0 94.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

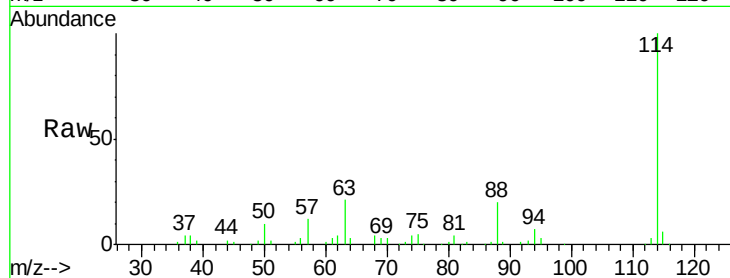
Tot Ion:114 Resp: 391930

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

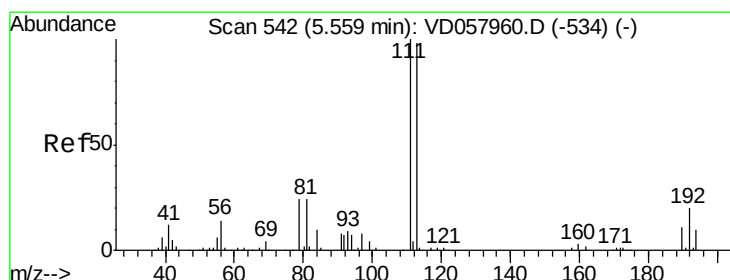
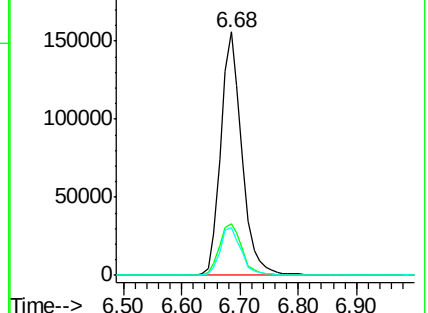
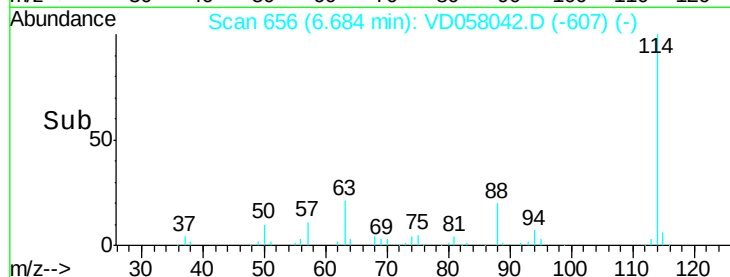
88 19.9 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

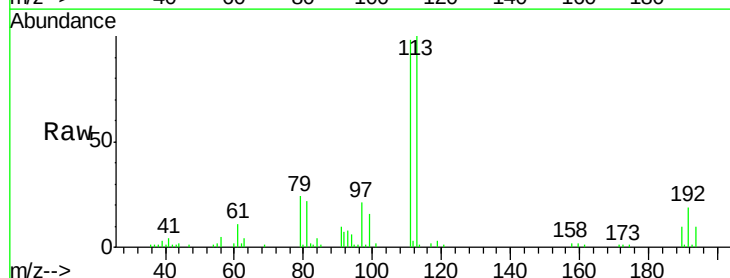
Tgt Ion:113 Resp: 193667

Ion Ratio Lower Upper

113 100

111 98.0 81.5 122.3

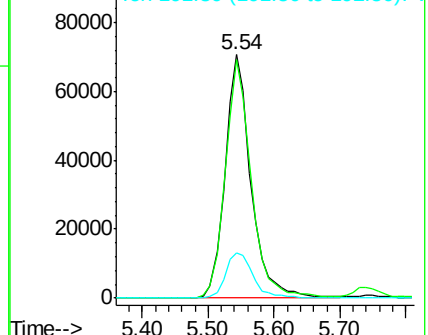
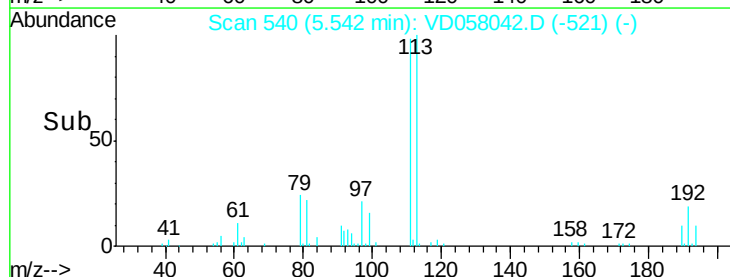
192 18.6 16.4 24.6

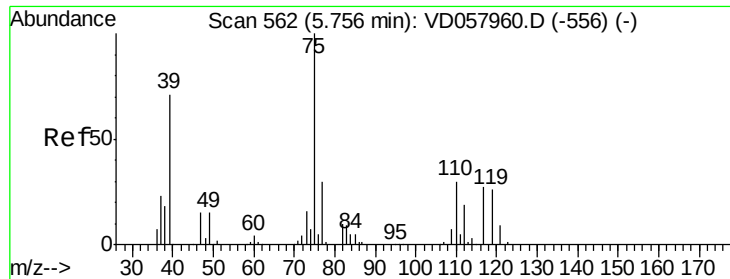


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

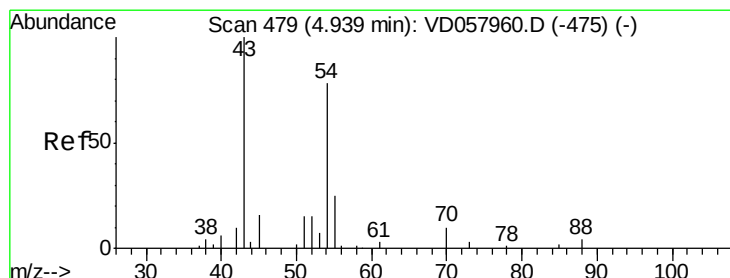
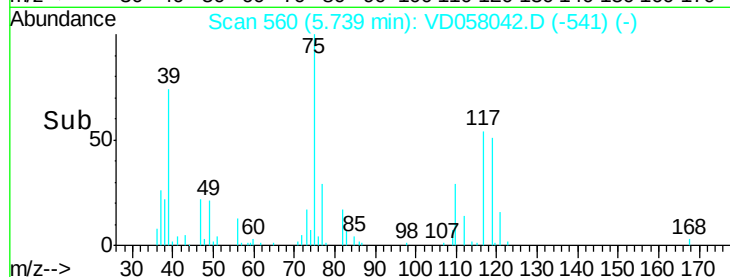
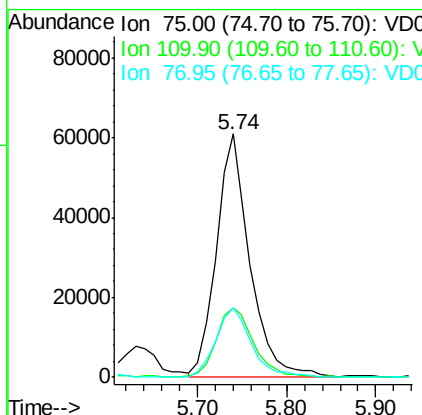
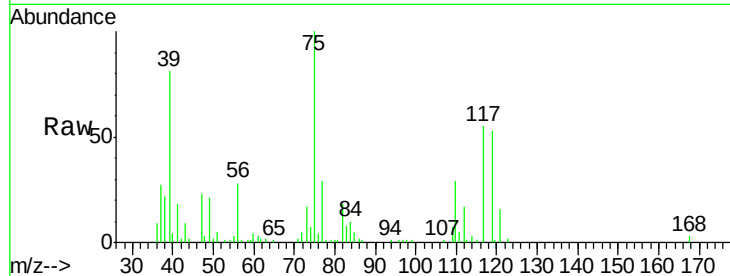




#36
 1,1-Dichloropropene
 Concen: 37.102 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

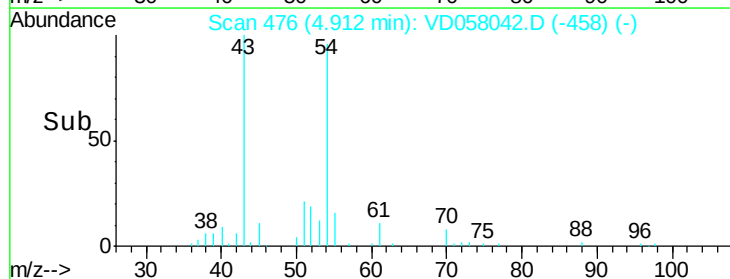
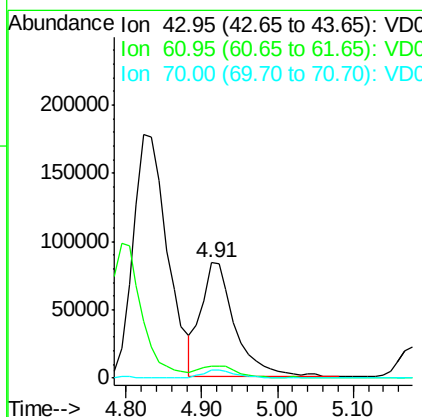
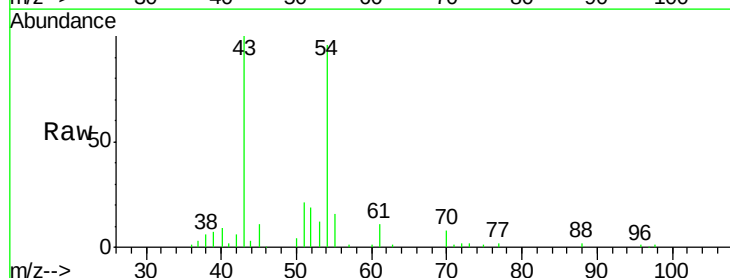
Instrument :
 MSVOA_D
 ClientSampleId :

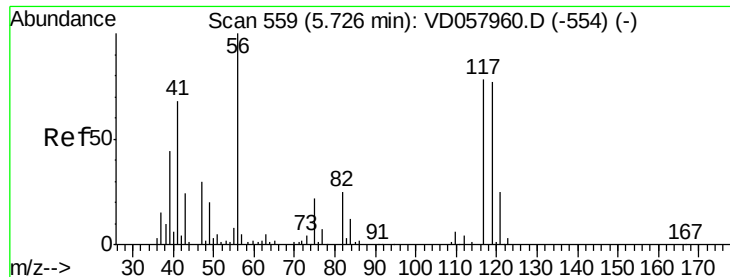
Tot Ion	Ratio	Lower	Upper
75	100		
110	28.6	14.8	44.3
77	28.7	23.9	35.9



#37
 Ethyl Acetate
 Concen: 110.832 ug/l
 RT: 4.91 min Scan# 476
 Delta R.T. -0.03 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.9	14.9
70	7.5	5.7	8.5





#38

Carbon Tetrachloride

Concen: 40.879 ug/l

RT: 5.72 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

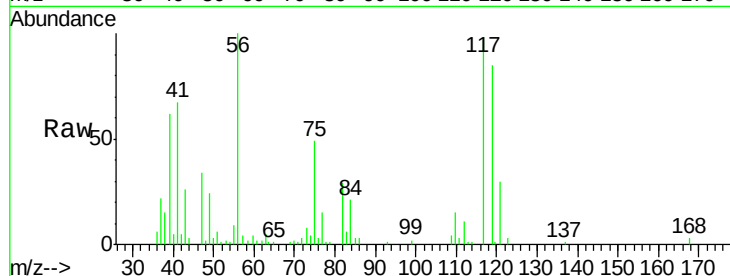
Tot Ion:117 Resp: 173962

Ion Ratio Lower Upper

117 100

119 87.2 76.1 114.1

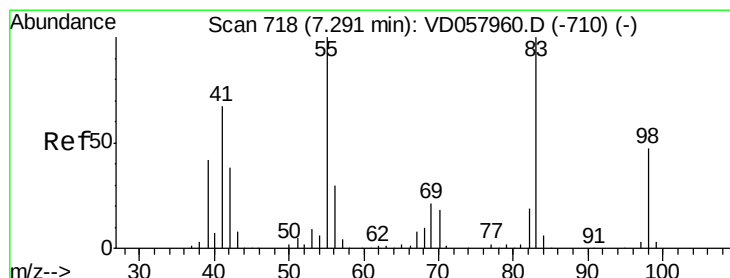
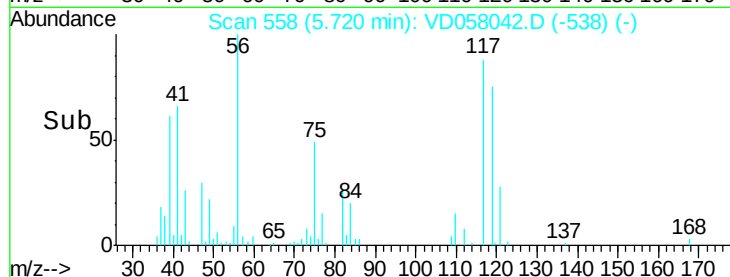
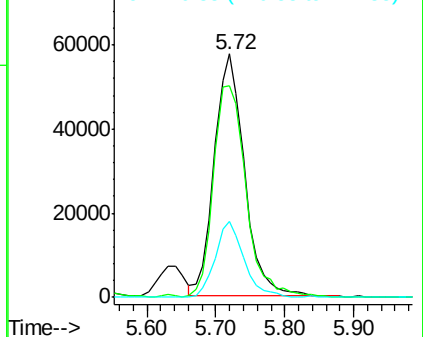
121 31.1 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 32.607 ug/l

RT: 7.28 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

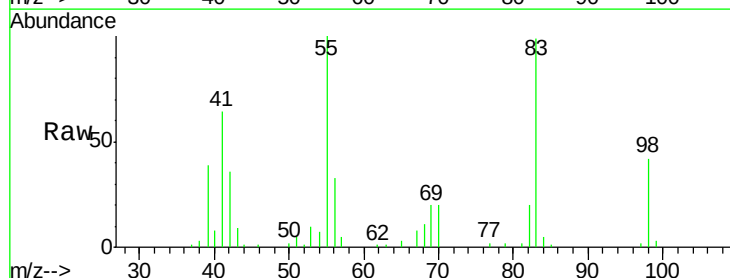
Tgt Ion: 83 Resp: 139575

Ion Ratio Lower Upper

83 100

55 101.4 80.3 120.5

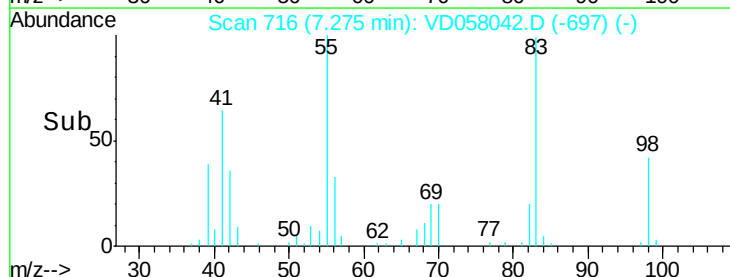
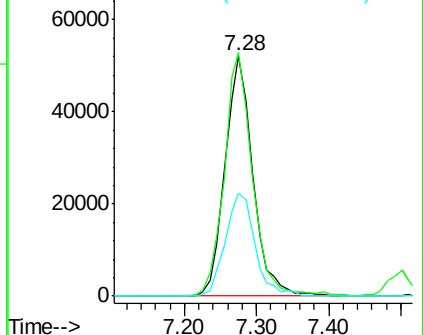
98 42.8 38.0 57.0

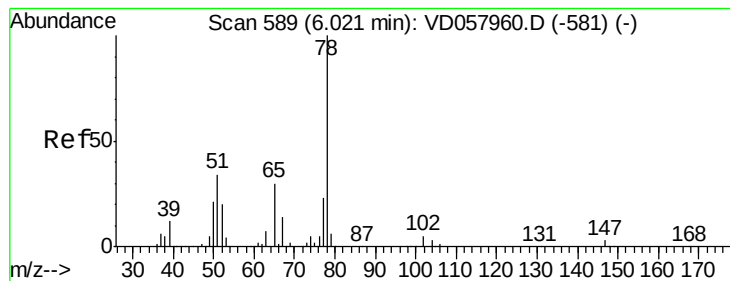


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 58.066 ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

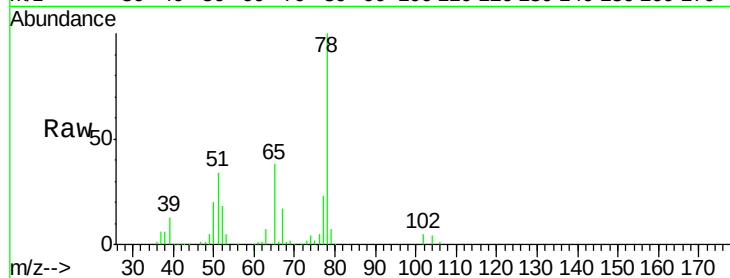
ClientSampled :

Tot Ion: 78 Resp: 585719

Ion Ratio Lower Upper

78 100

77 23.0 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.01

250000

200000

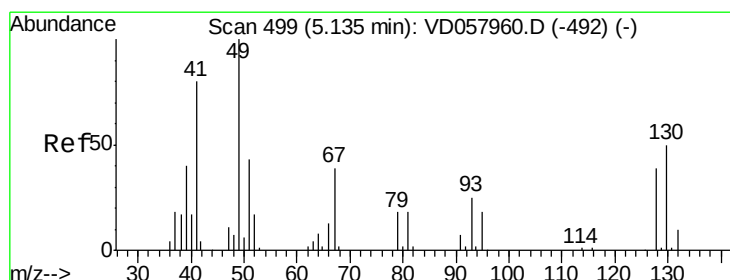
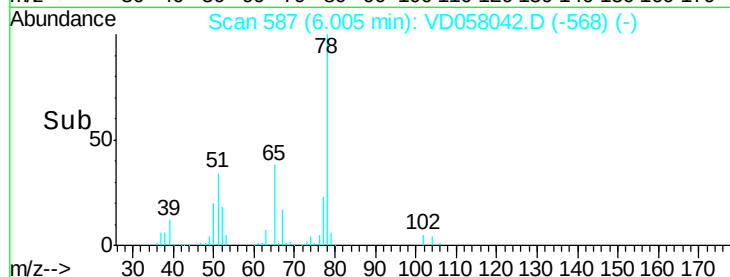
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 124.896 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Tgt Ion: 41 Resp: 134553

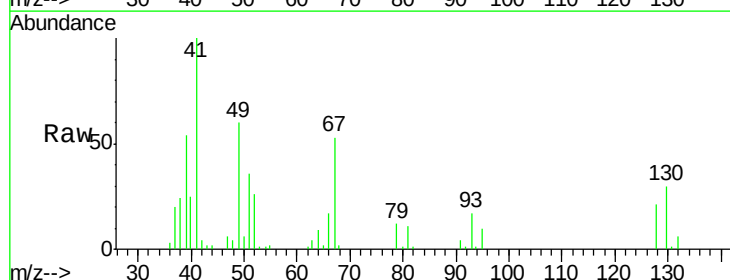
Ion Ratio Lower Upper

41 100

39 54.2 40.7 61.1

67 52.7 38.8 58.2

52 25.8 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

100000

80000

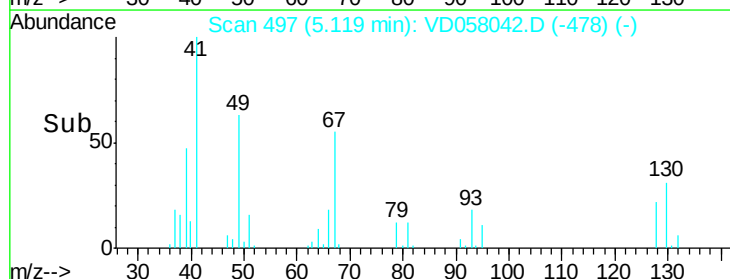
60000

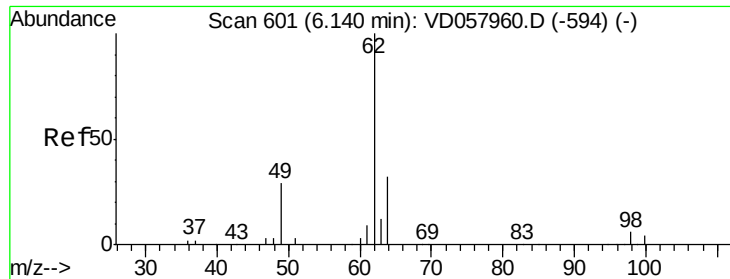
40000

20000

0

Time-->

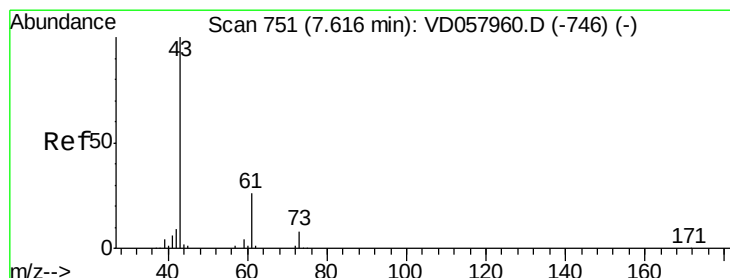
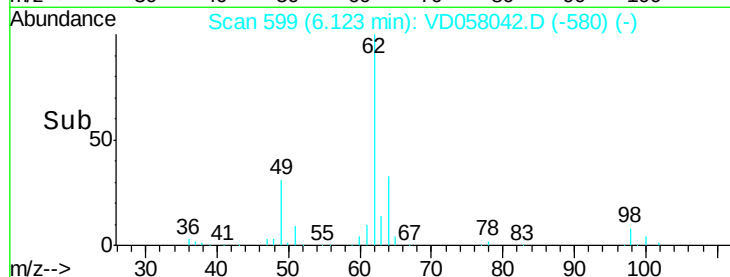
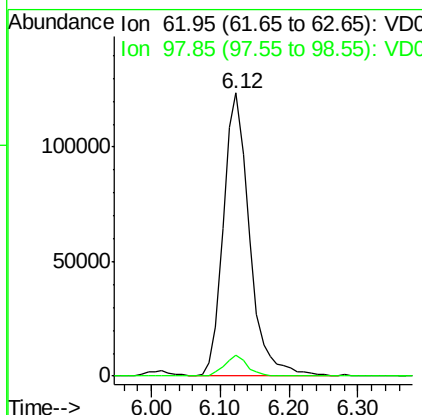
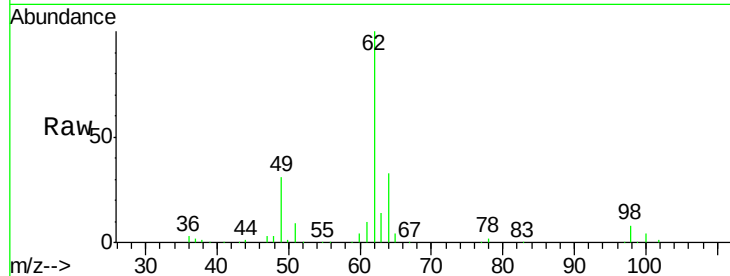




#42
 1,2-Dichloroethane
 Concen: 79.750 ug/l
 RT: 6.12 min Scan# 599
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

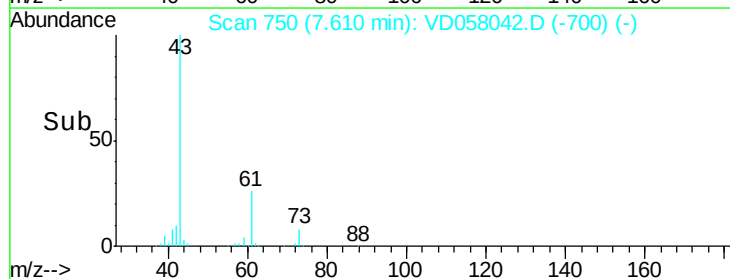
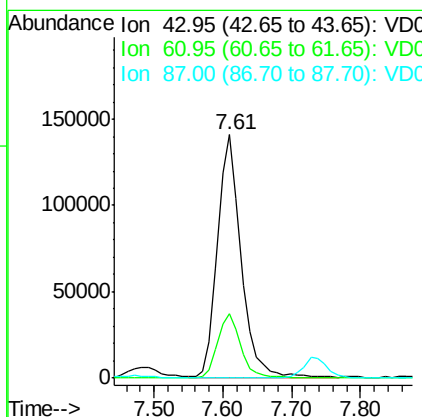
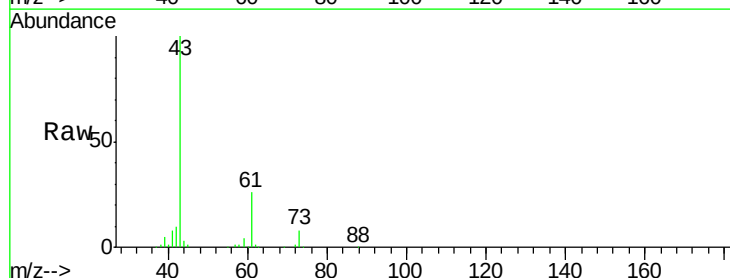
Instrument :
 MSVOA_D
 ClientSampled :

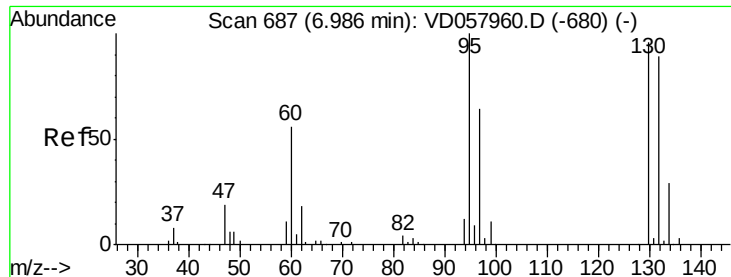
Tot Ion: 62 Resp: 325254
 Ion Ratio Lower Upper
 62 100
 98 7.6 0.0 12.8



#43
 Isopropyl Acetate
 Concen: 107.725 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 332456
 Ion Ratio Lower Upper
 43 100
 61 26.4 20.6 30.8
 87 0.0 0.2 0.4#

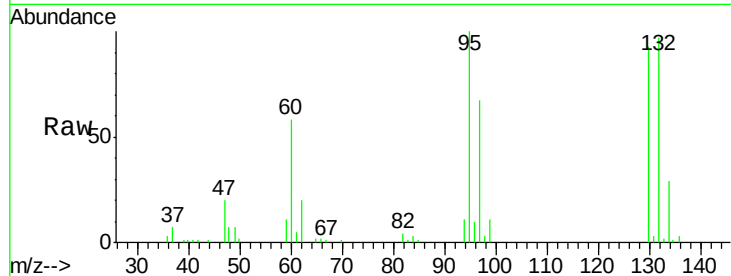




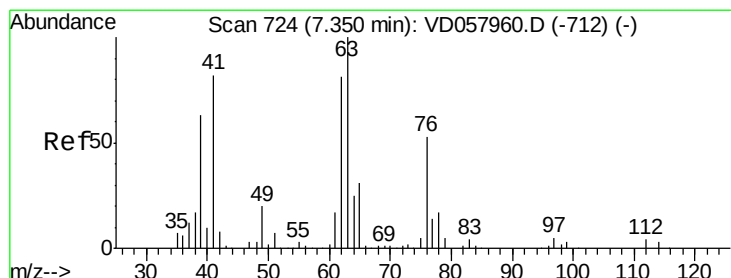
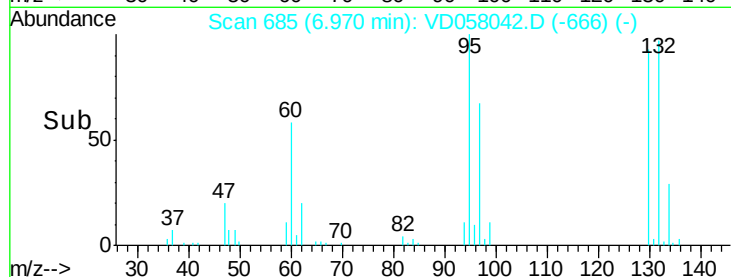
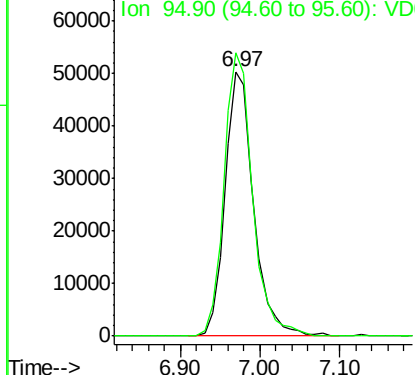
#44
 Trichloroethene
 Concen: 43.143 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:130 Resp: 127116
 Ion Ratio Lower Upper
 130 100
 95 107.0 0.0 207.4

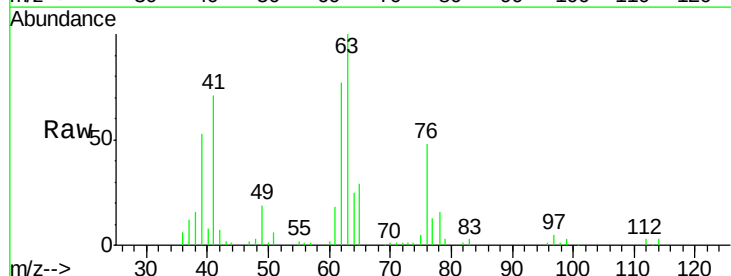


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

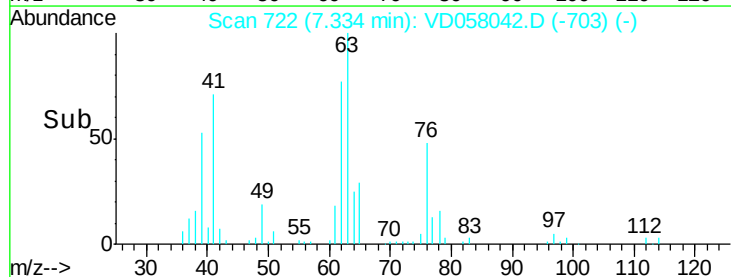
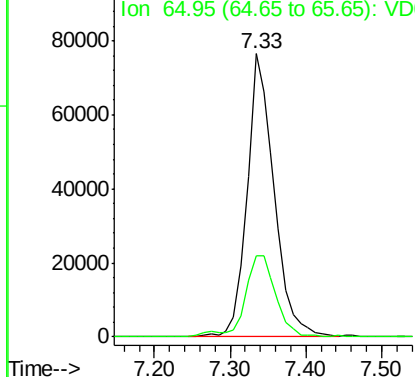


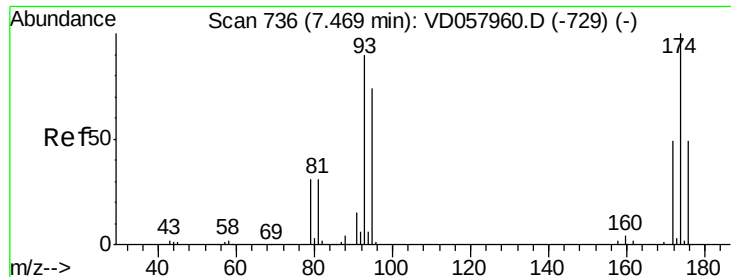
#45
 1,2-Dichloropropane
 Concen: 67.356 ug/l
 RT: 7.33 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 63 Resp: 188837
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

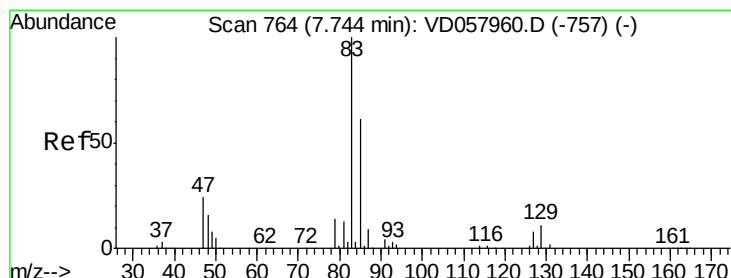
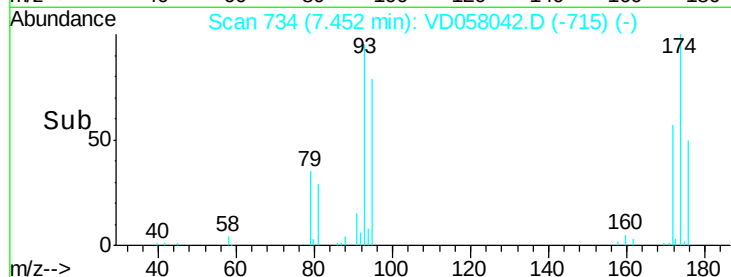
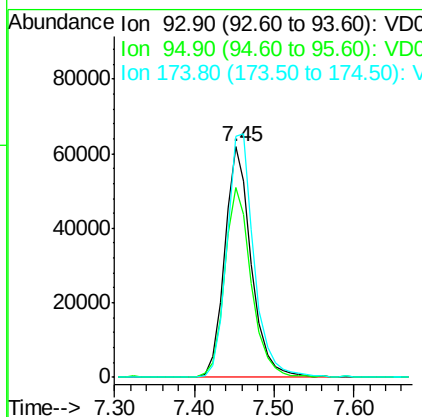
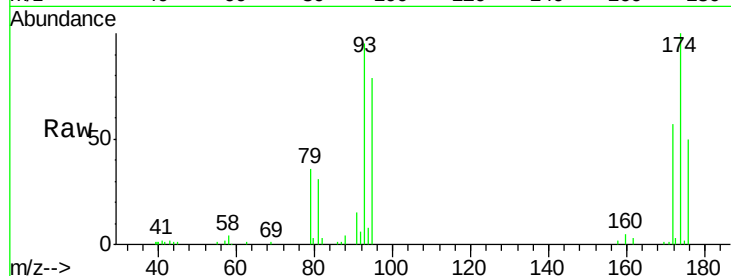




#46
 Dibromomethane
 Concen: 80.171 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

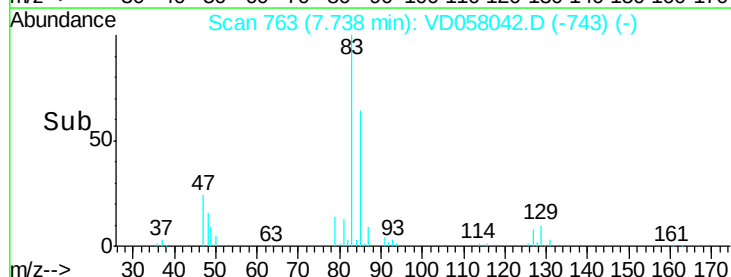
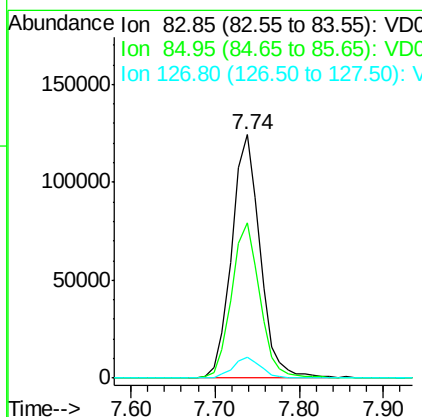
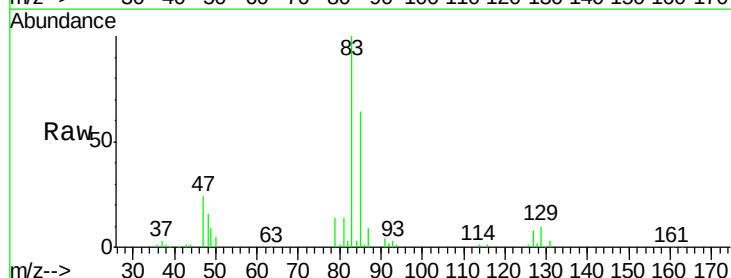
Instrument :
 MSVOA_D
 ClientSampleId :

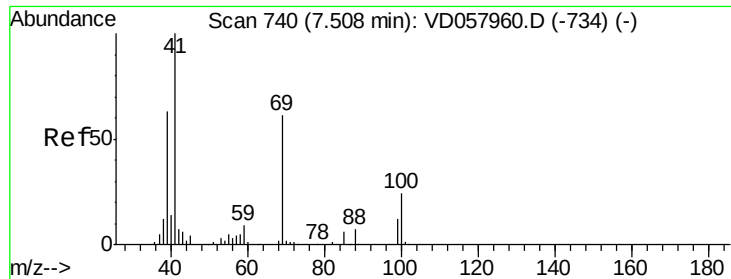
Tot Ion: 93 Resp: 144388
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.7 98.5
 174 104.8 89.0 133.4



#47
 Bromodichloromethane
 Concen: 69.193 ug/l
 RT: 7.74 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 83 Resp: 291780
 Ion Ratio Lower Upper
 83 100
 85 63.7 49.1 73.7
 127 8.5 6.2 9.2

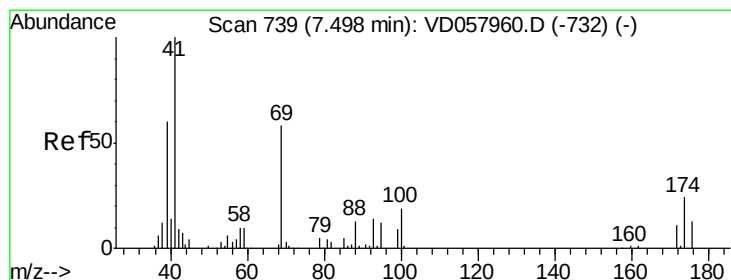
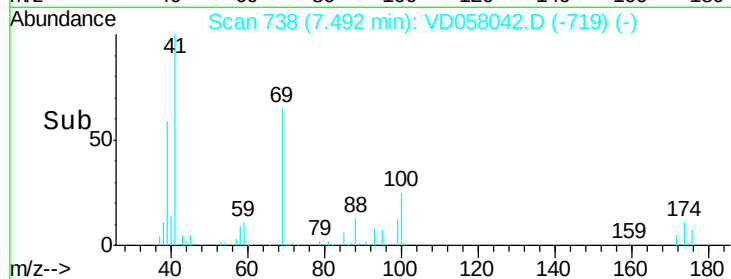
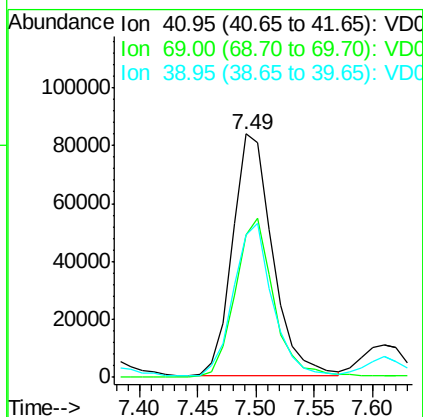
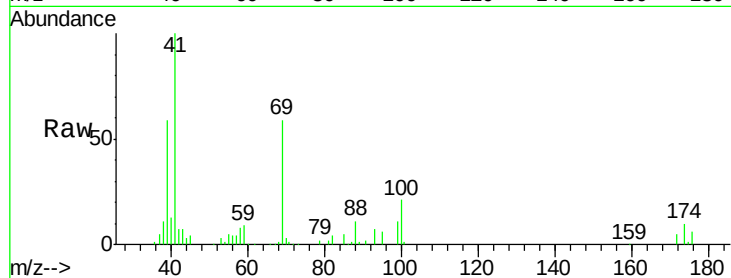




#48
Methyl methacrylate
Concen: 105.274 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

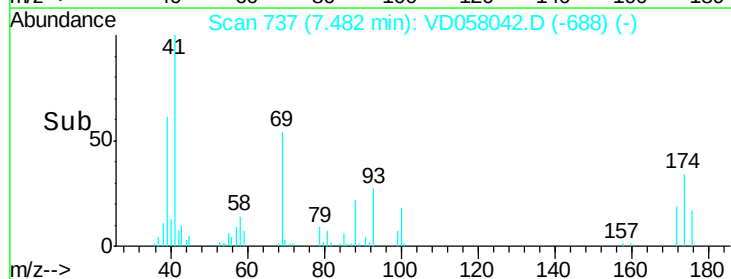
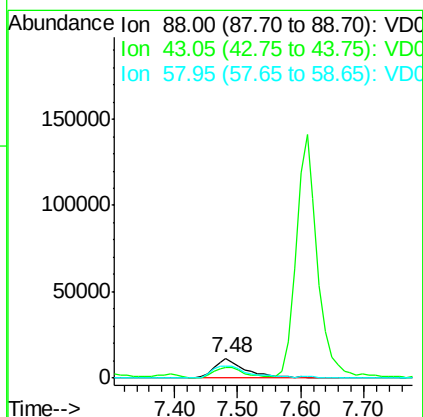
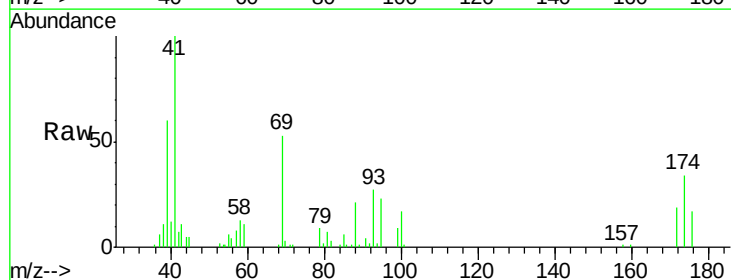
Instrument :
MSVOA_D
ClientSampleId :

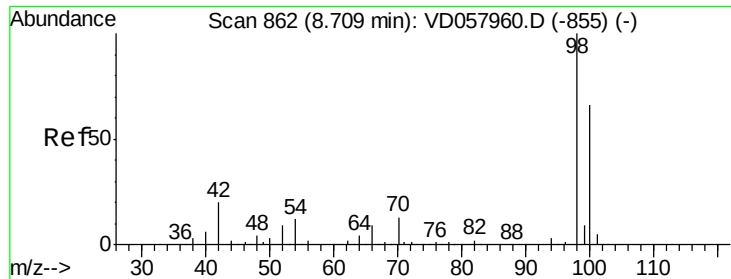
Tot Ion: 41 Resp: 199968
Ion Ratio Lower Upper
41 100
69 58.8 48.0 72.0
39 58.8 50.7 76.1



#49
1,4-Dioxane
Concen: 2510.819 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 88 Resp: 39510
Ion Ratio Lower Upper
88 100
43 52.5 46.6 69.8
58 63.3 63.6 95.4#

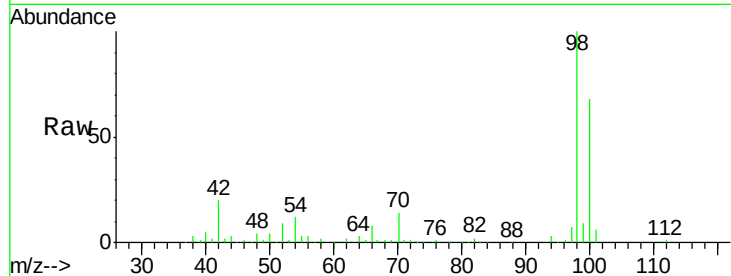




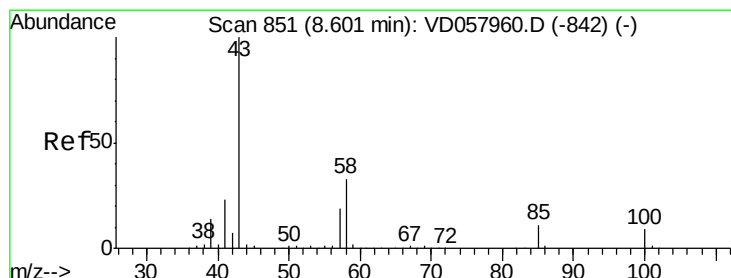
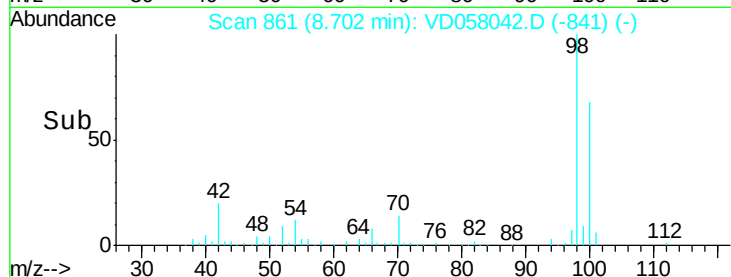
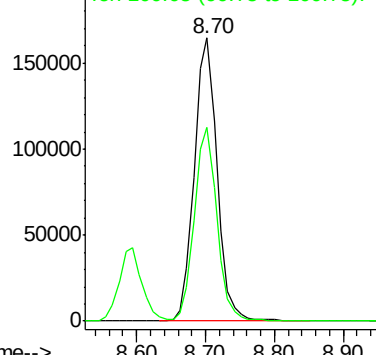
#50
Toluene-d8
Concen: 2510.819 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 377302
Ion Ratio Lower Upper
98 100
100 68.4 53.4 80.0

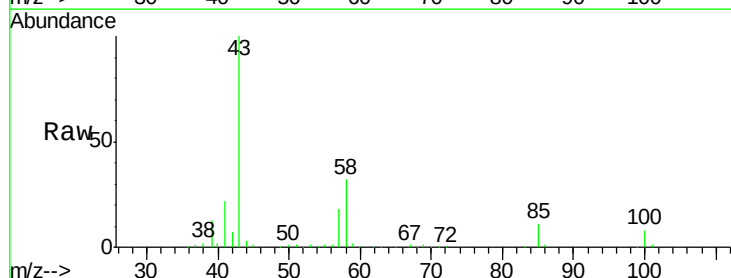


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

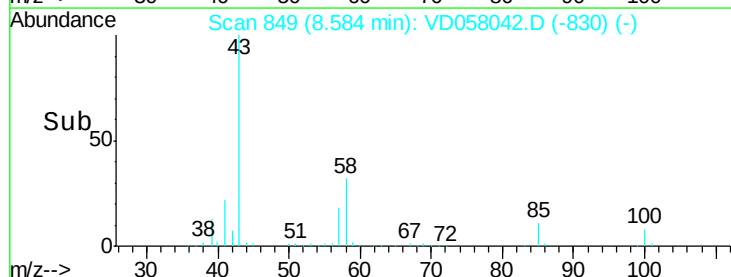
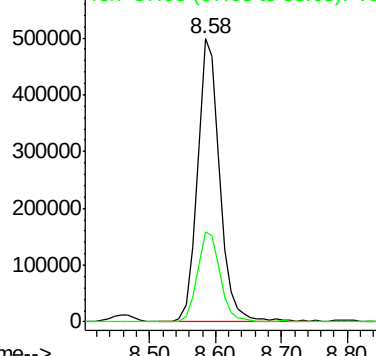


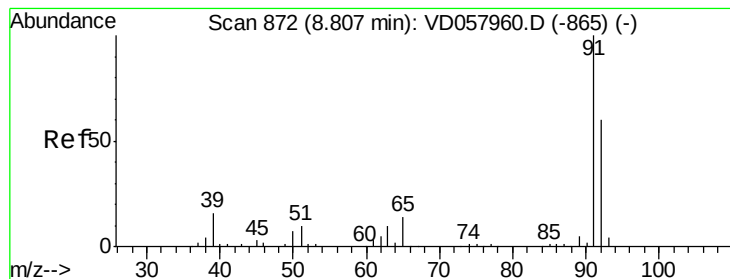
#51
4-Methyl-2-Pentanone
Concen: 591.788 ug/l
RT: 8.58 min Scan# 849
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 1171439
Ion Ratio Lower Upper
43 100
58 31.8 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VD057960.D (-842) (-)
Ion 57.95 (57.65 to 58.65): VD057960.D (-842) (-)





#52

Toluene

Concen: 53.553 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

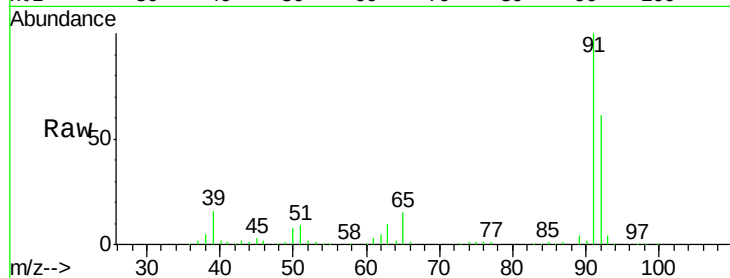
ClientSampled :

Tot Ion: 92 Resp: 310029

Ion Ratio Lower Upper

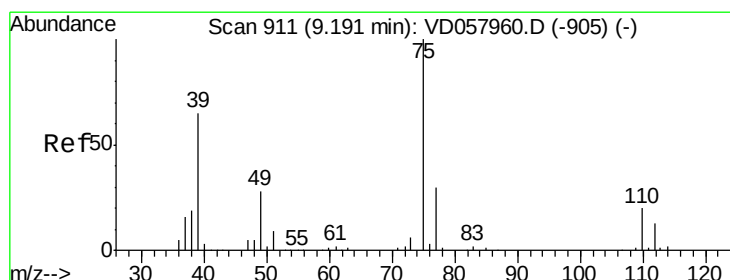
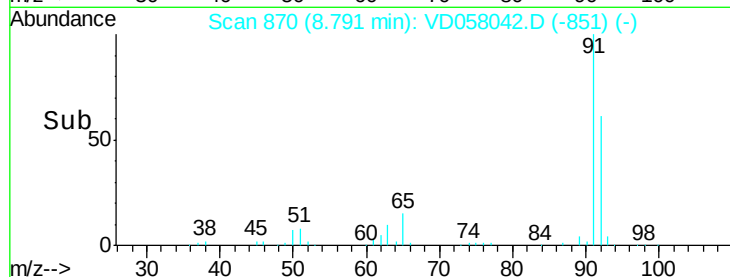
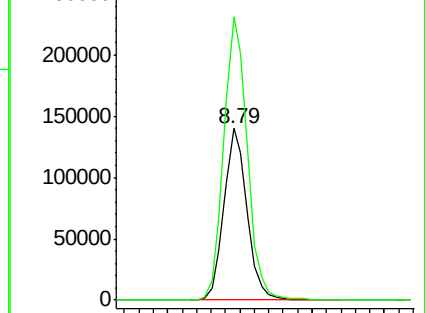
92 100

91 165.1 133.0 199.6



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: 67.538 ug/l

RT: 9.17 min Scan# 909

Delta R.T. -0.02 min

Lab File: VD058042.D

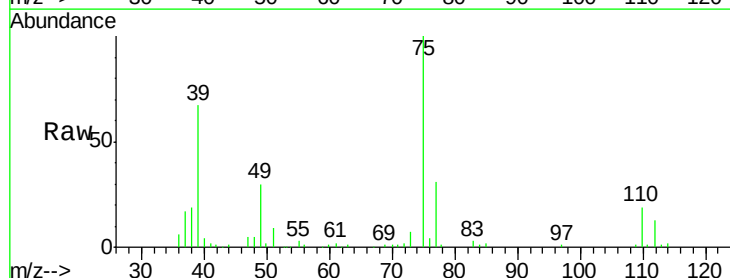
Acq: 9 Jun 2018 4:30

Tgt Ion: 75 Resp: 245369

Ion Ratio Lower Upper

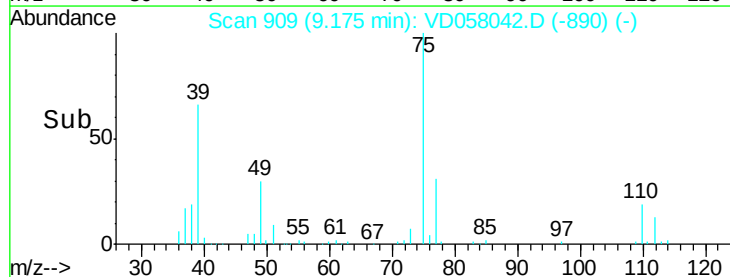
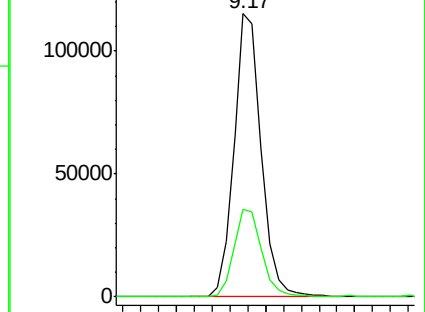
75 100

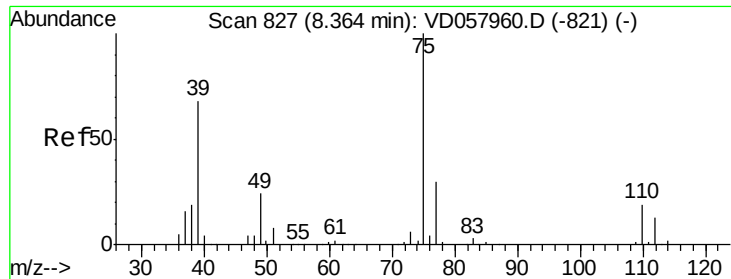
77 30.8 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



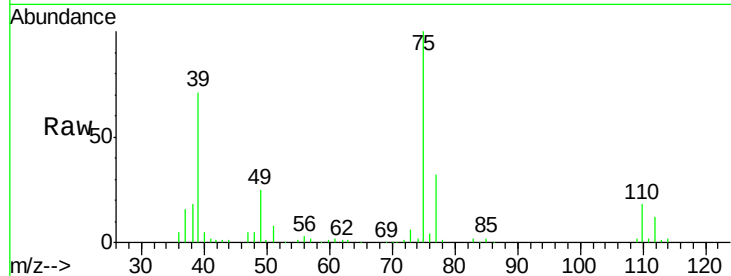


#54

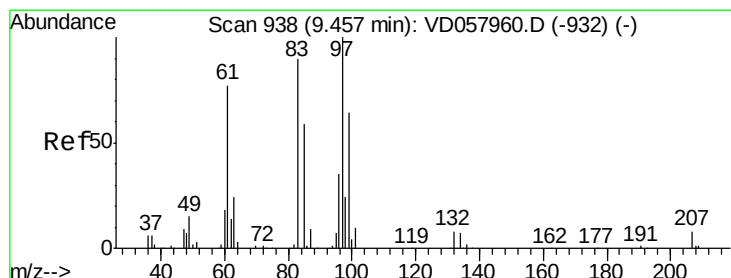
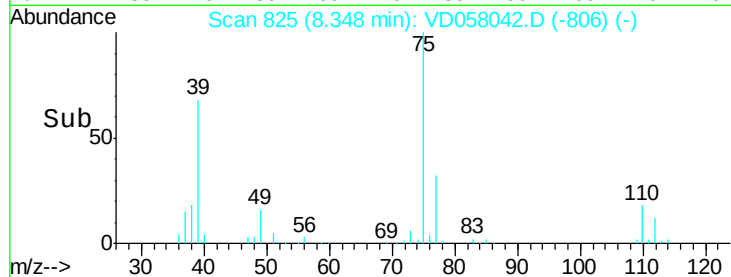
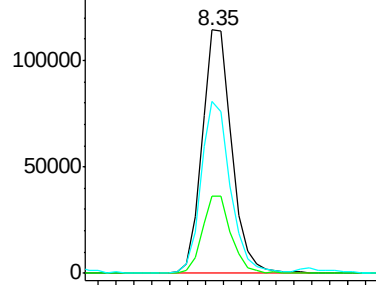
cis-1,3-Dichloropropene
Concen: 62.124 ug/l
RT: 8.35 min Scan# 825
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.1	36.1
39	70.9	54.0	81.0



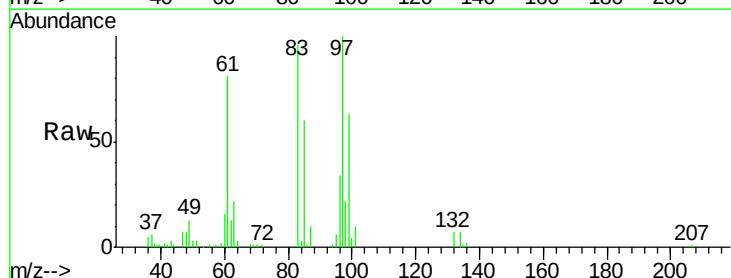
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



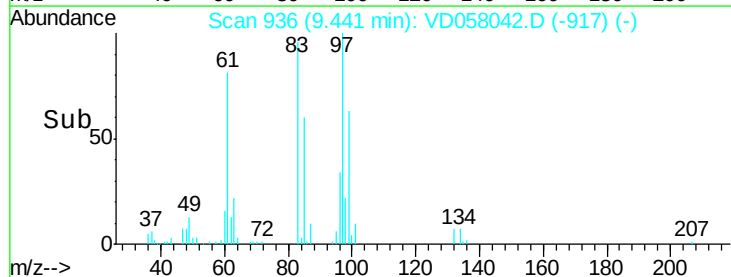
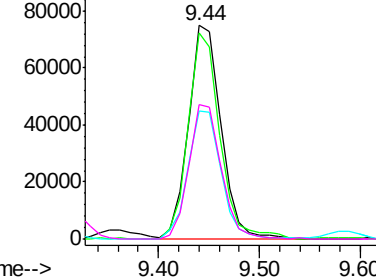
#55

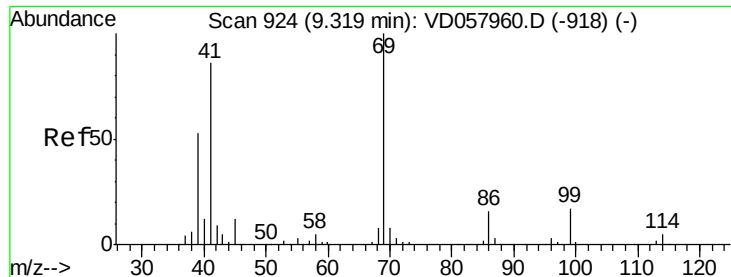
1,1,2-Trichloroethane
Concen: 90.285 ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	96.2	71.8	107.8
85	60.2	47.2	70.8
99	62.7	51.4	77.0



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





#56

Ethyl methacrylate

Concen: 101.540 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

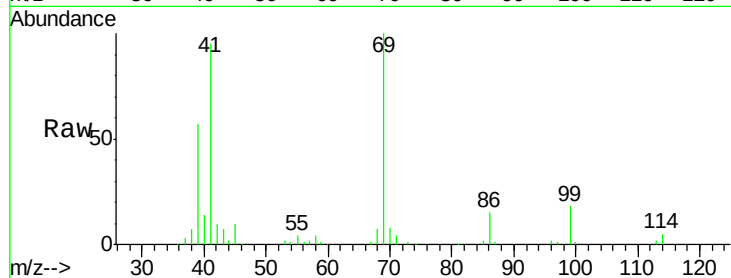
Tot Ion: 69 Resp: 233367

Ion Ratio Lower Upper

69 100

41 94.7 68.4 102.6

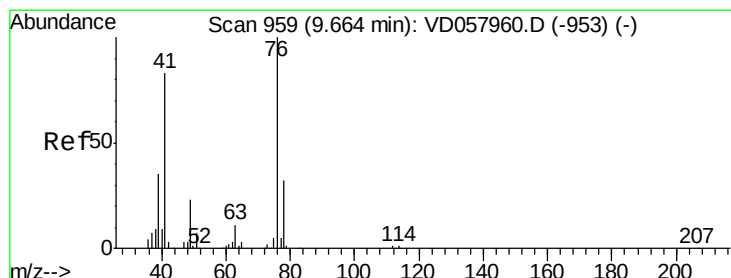
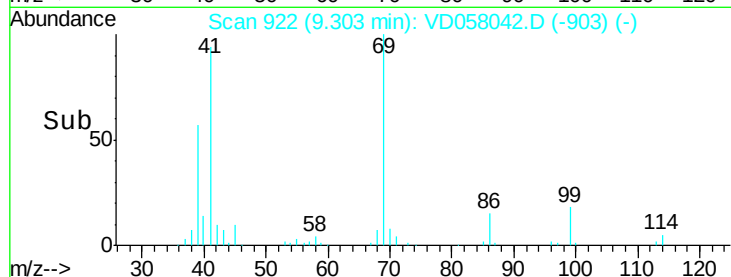
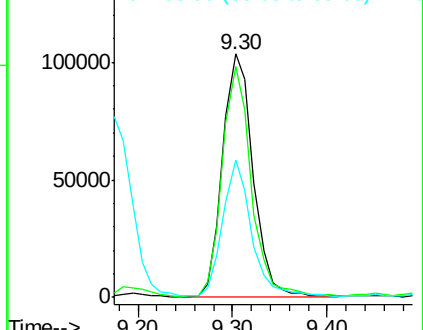
39 56.6 43.0 64.4



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 88.071 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058042.D

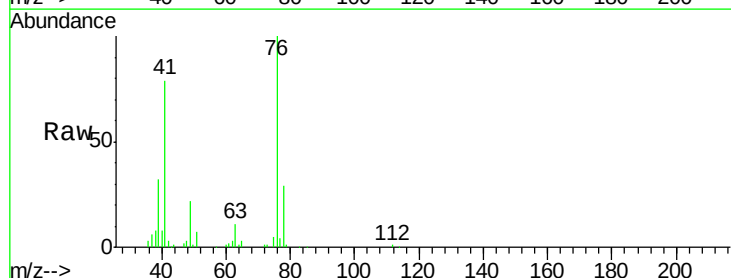
Acq: 9 Jun 2018 4:30

Tgt Ion: 76 Resp: 289411

Ion Ratio Lower Upper

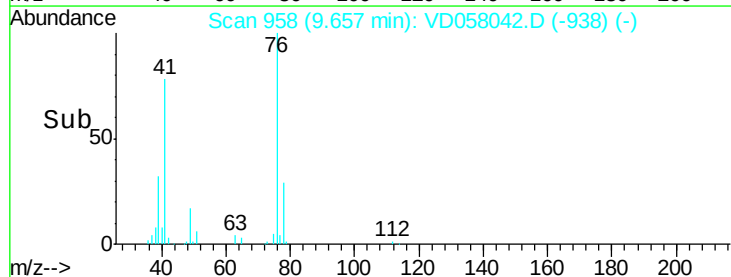
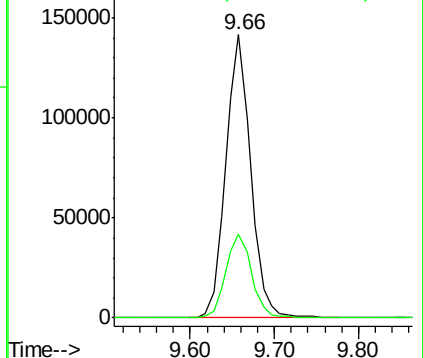
76 100

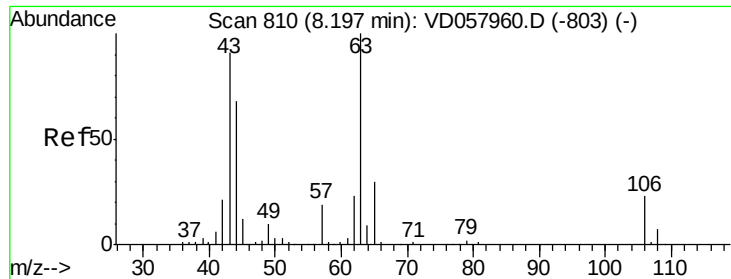
78 29.4 25.4 38.2



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: 487.436 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

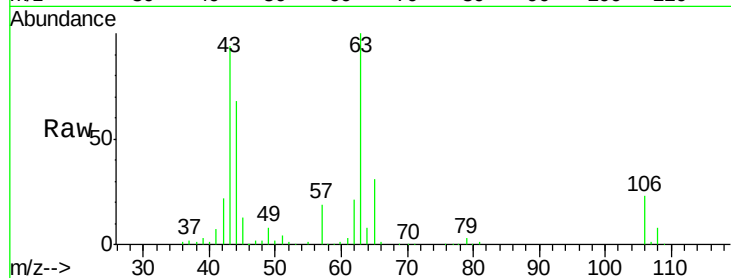
ClientSampleId :

Tot Ion: 63 Resp: 565987

Ion Ratio Lower Upper

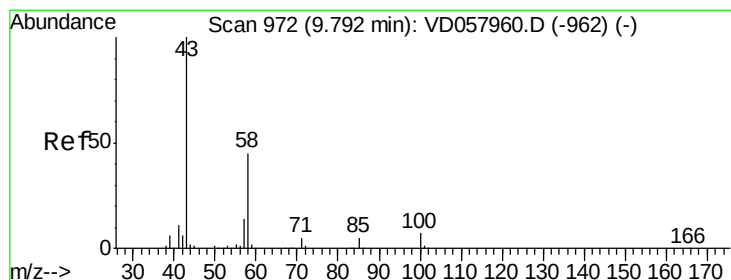
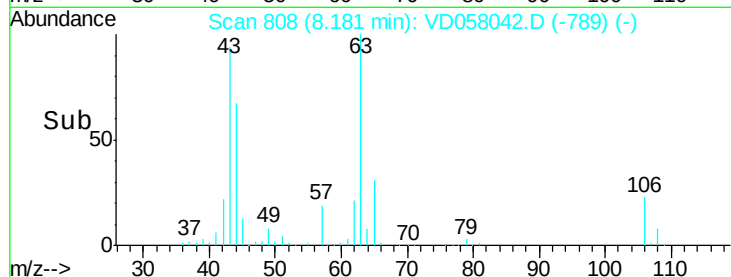
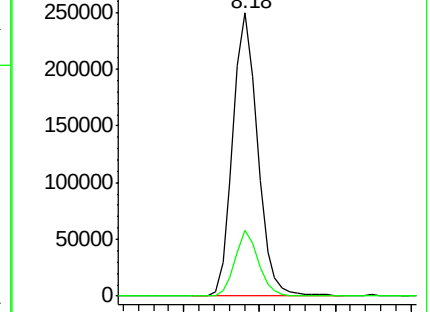
63 100

106 23.3 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#59

2-Hexanone

Concen: 548.126 ug/l

RT: 9.78 min Scan# 970

Delta R.T. -0.02 min

Lab File: VD058042.D

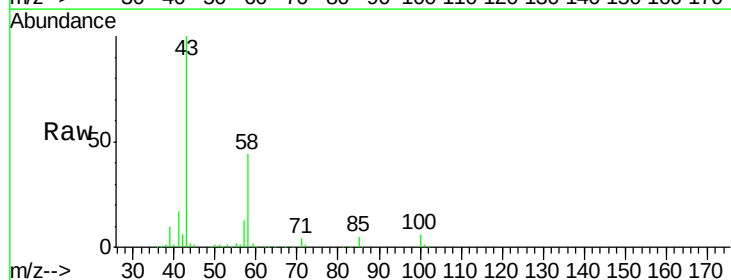
Acq: 9 Jun 2018 4:30

Tgt Ion: 43 Resp: 795136

Ion Ratio Lower Upper

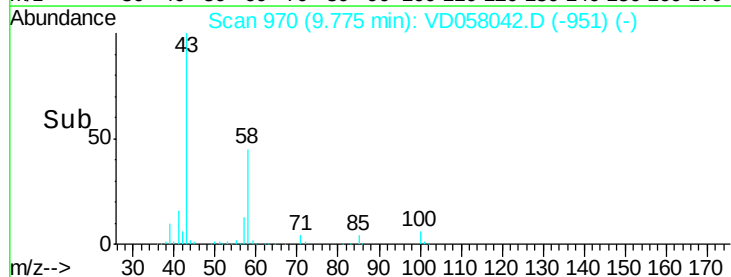
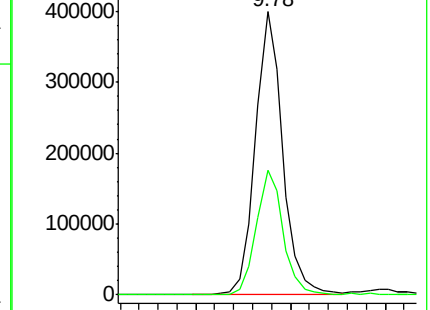
43 100

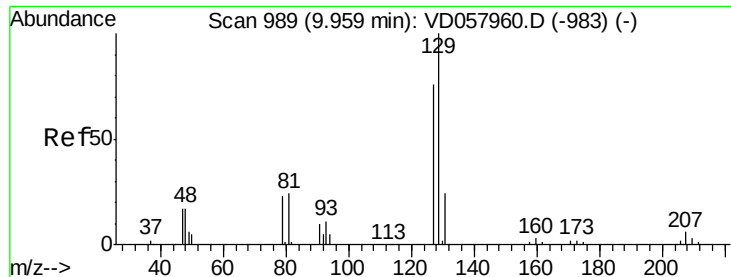
58 43.9 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#60

Dibromochloromethane

Concen: 79.183 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

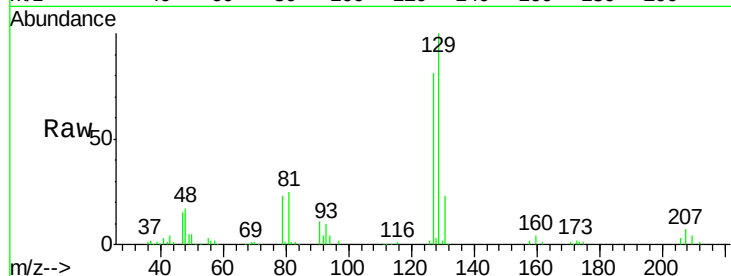
ClientSampled :

Tot Ion:129 Resp: 209206

Ion Ratio Lower Upper

129 100

127 80.8 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.95

100000

80000

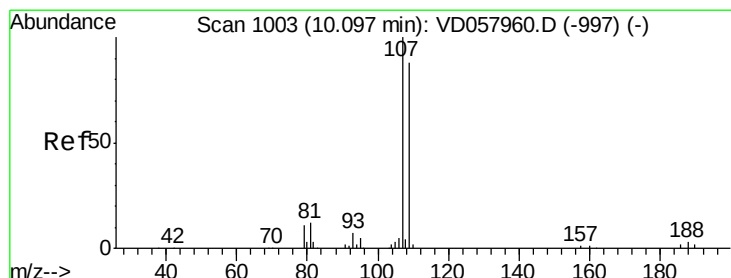
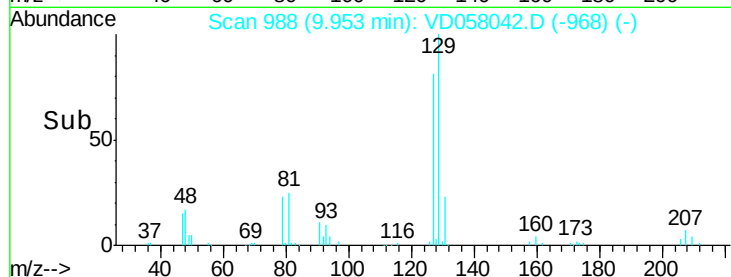
60000

40000

20000

0

Time--> 9.80 9.90 10.00 10.10



#61

1,2-Dibromoethane

Concen: 83.919 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.02 min

Lab File: VD058042.D

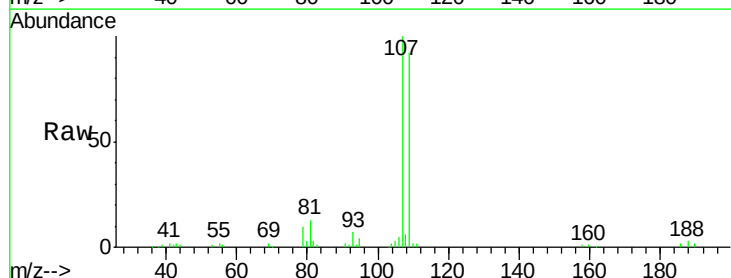
Acq: 9 Jun 2018 4:30

Tgt Ion:107 Resp: 180816

Ion Ratio Lower Upper

107 100

109 91.7 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

100000

80000

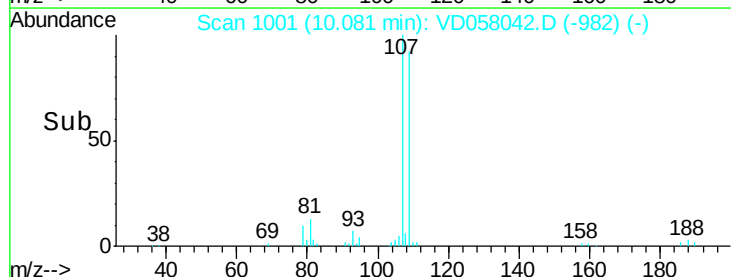
60000

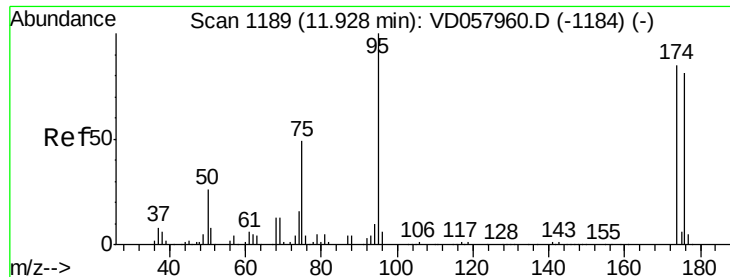
40000

20000

0

Time--> 10.00 10.10 10.20





#62

4-Bromofluorobenzene

Concen: 83.919 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

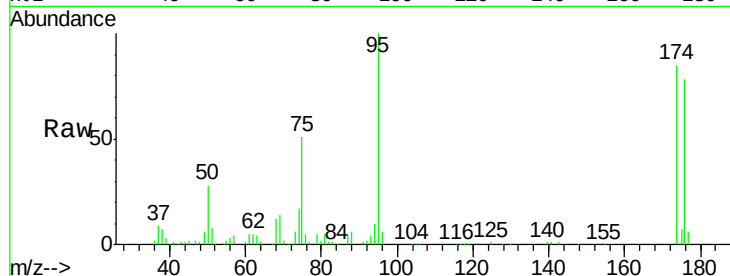
Tot Ion: 95 Resp: 183017

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.4

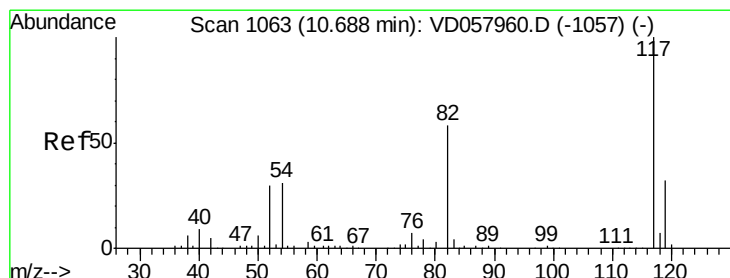
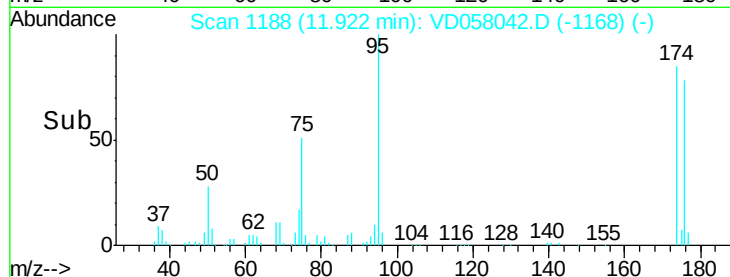
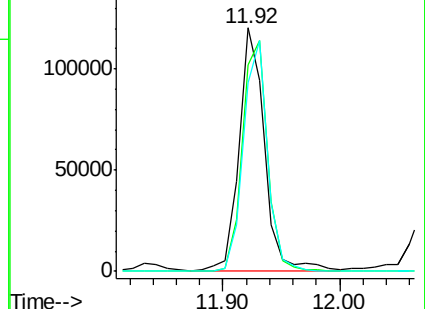
176 77.5 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

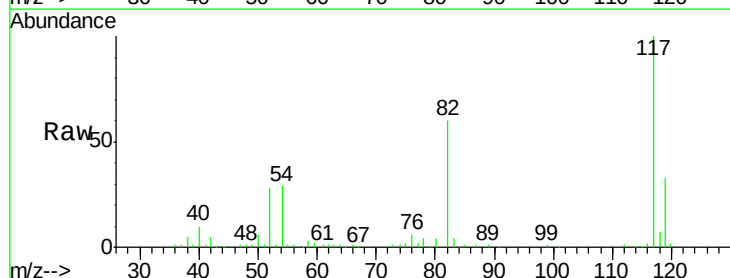
Tgt Ion: 117 Resp: 360949

Ion Ratio Lower Upper

117 100

82 60.4 46.8 70.2

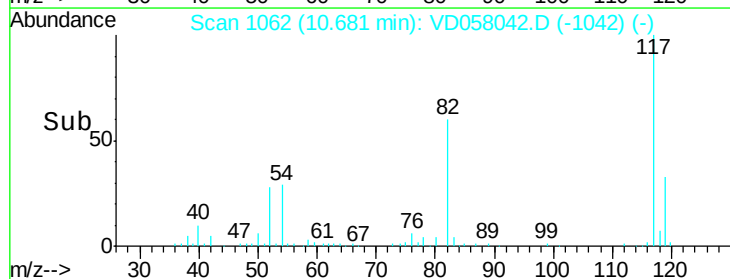
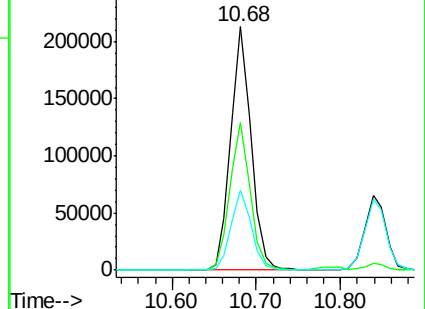
119 32.6 25.8 38.6

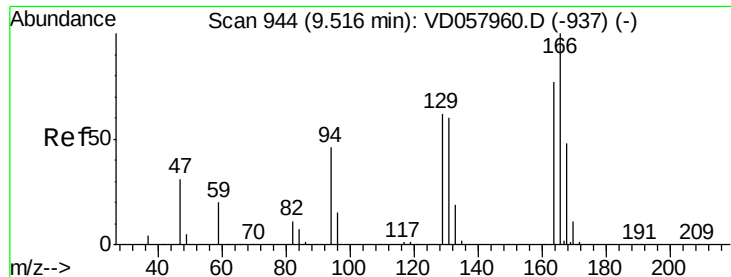


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

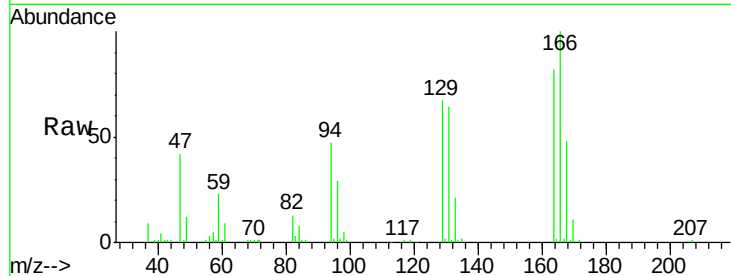




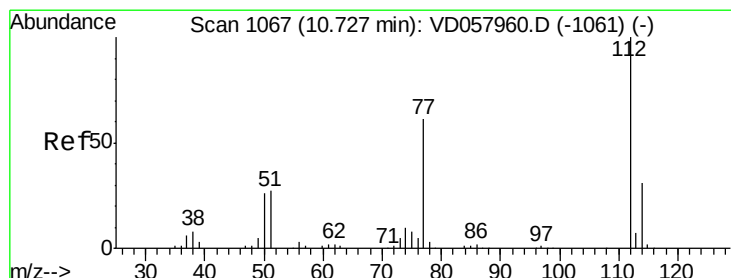
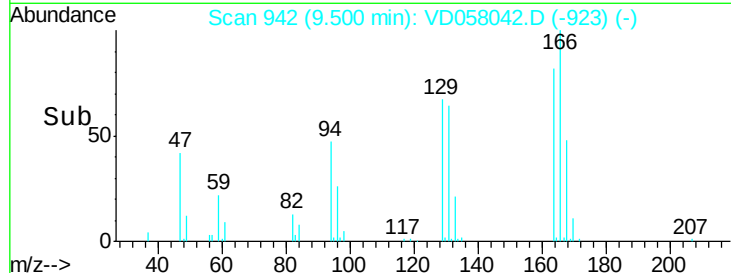
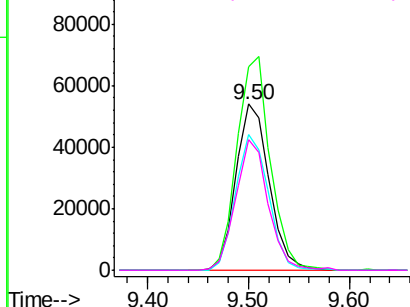
#64
Tetrachloroethene
Concen: 38.406 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:164 Resp: 123932
Ion Ratio Lower Upper
164 100
166 122.6 104.4 156.6
129 81.6 65.0 97.6
131 78.7 62.9 94.3

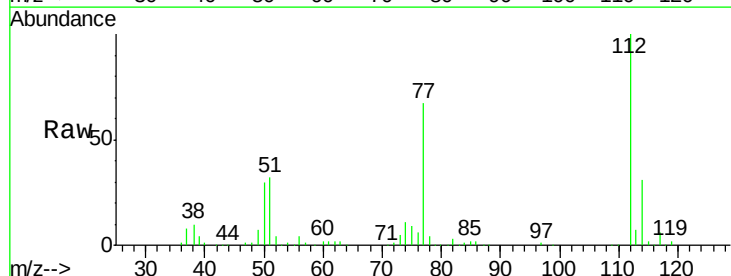


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

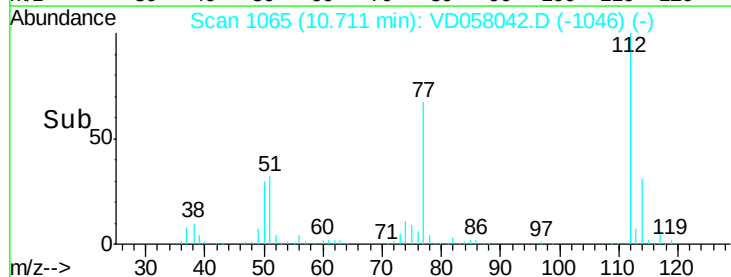
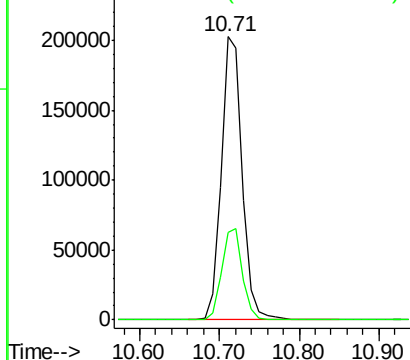


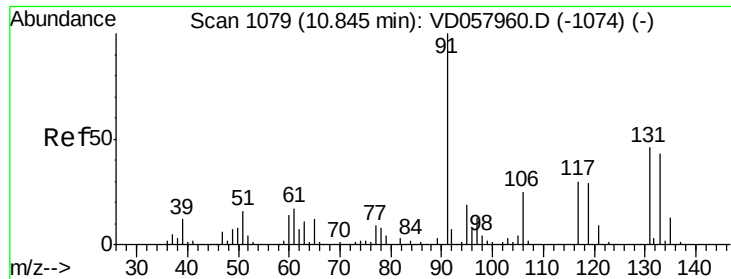
#65
Chlorobenzene
Concen: 51.128 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.02 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion:112 Resp: 373596
Ion Ratio Lower Upper
112 100
114 31.0 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 59.972 ug/l

RT: 10.84 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

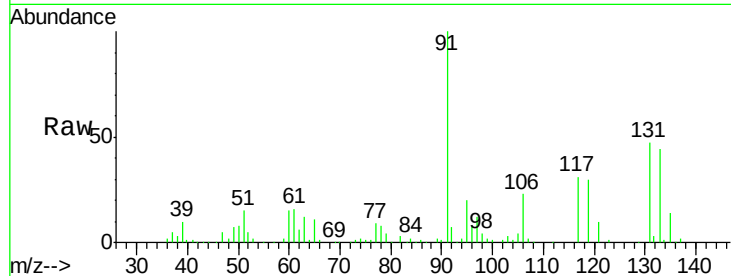
Tot Ion:131 Resp: 168367

Ion Ratio Lower Upper

131 100

133 93.7 46.9 140.6

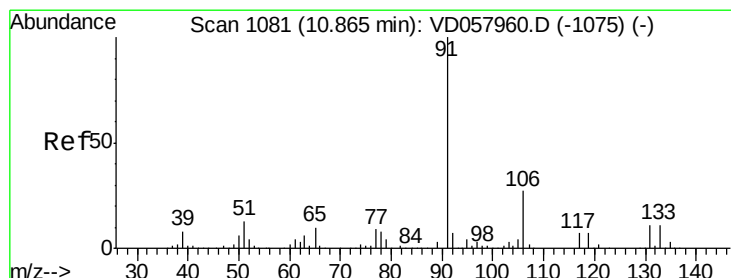
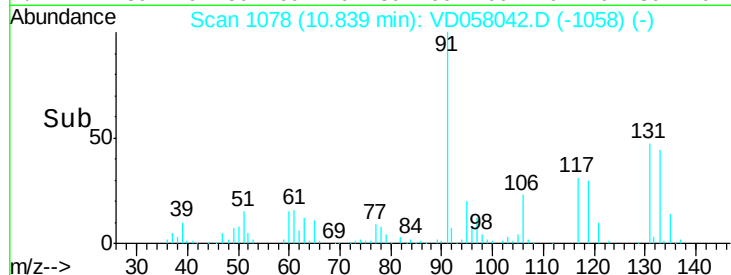
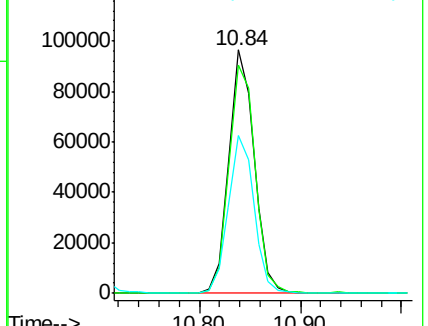
119 64.8 31.8 95.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 46.286 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VD058042.D

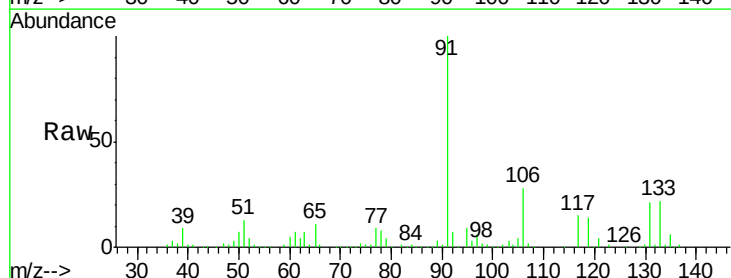
Acq: 9 Jun 2018 4:30

Tgt Ion: 91 Resp: 611040

Ion Ratio Lower Upper

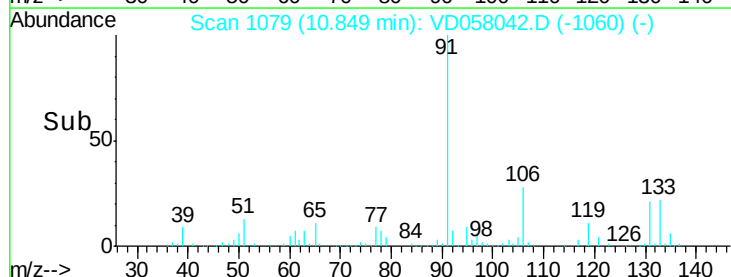
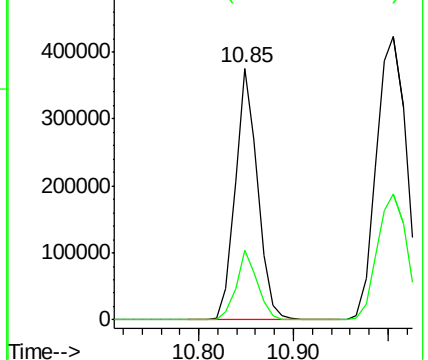
91 100

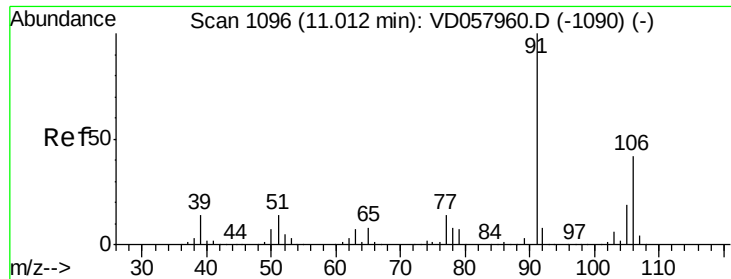
106 27.8 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

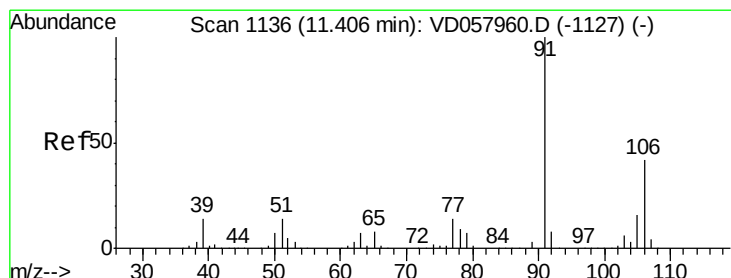
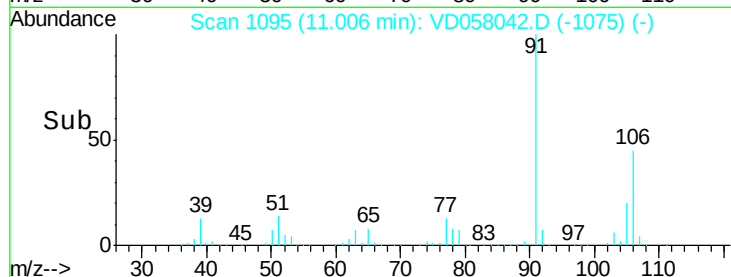
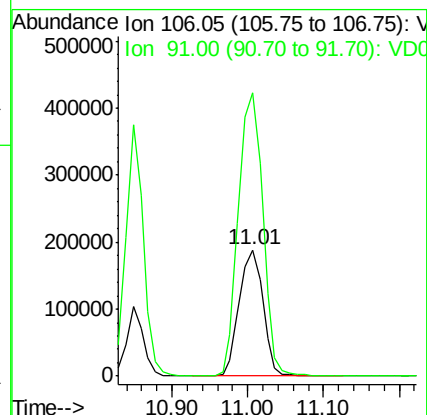
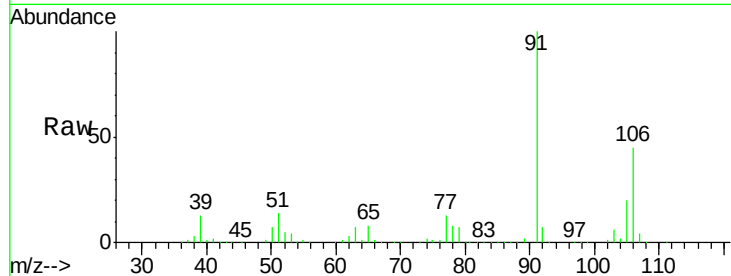




#68
m/p-Xylenes
Concen: 95.342 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

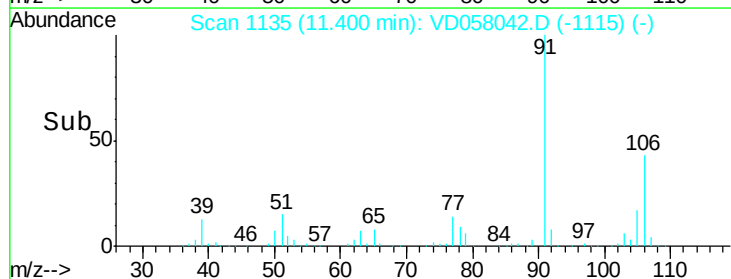
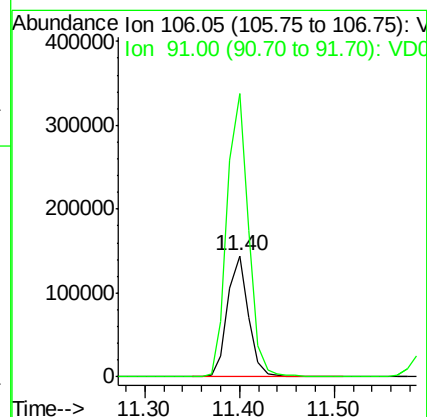
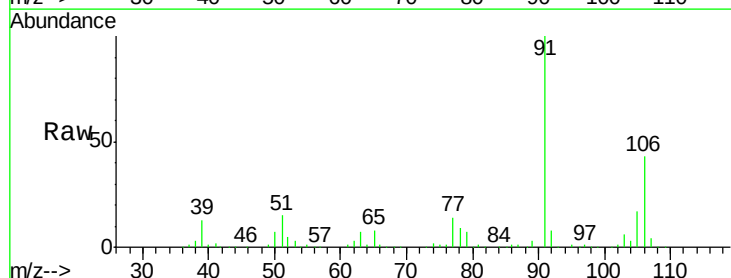
Instrument :
MSVOA_D
ClientSampled :

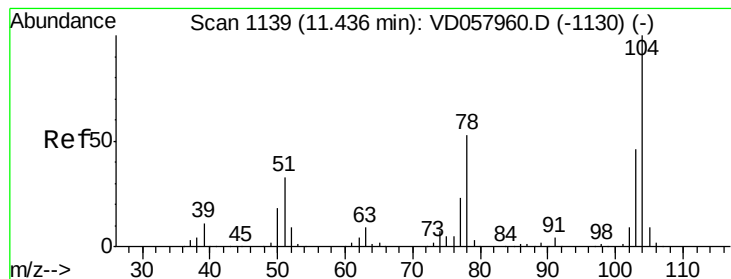
Tot Ion:106 Resp: 410314
Ion Ratio Lower Upper
106 100
91 224.1 190.4 285.6



#69
o-Xylene
Concen: 51.516 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion:106 Resp: 220068
Ion Ratio Lower Upper
106 100
91 233.8 120.6 361.7





#70

Stvrene

Concen: 52.313 ug/l

RT: 11.43 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampled :

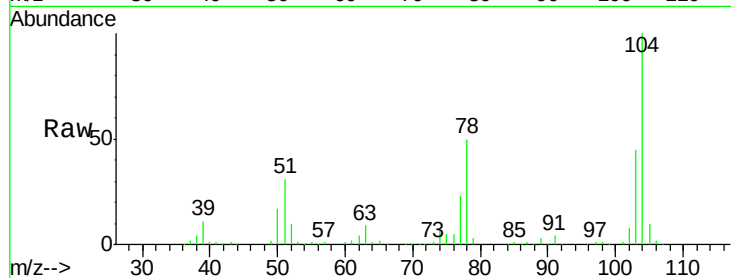
Tot Ion:104 Resp: 369945

Ion Ratio Lower Upper

104 100

78 50.2 42.1 63.1

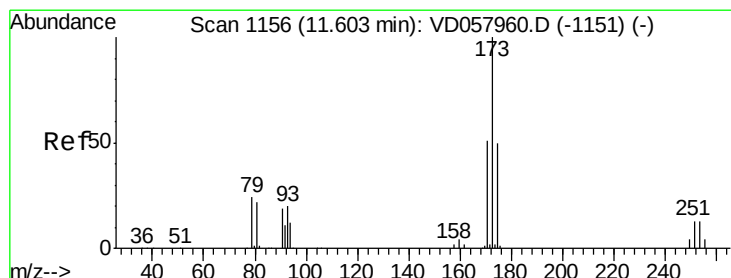
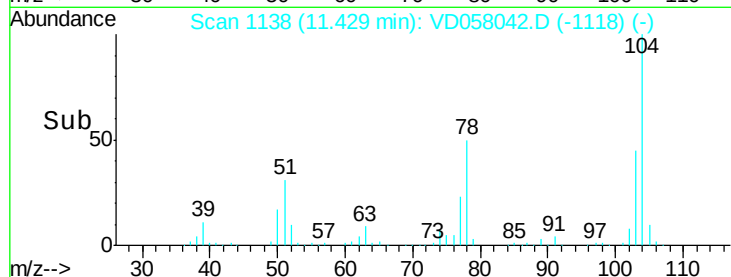
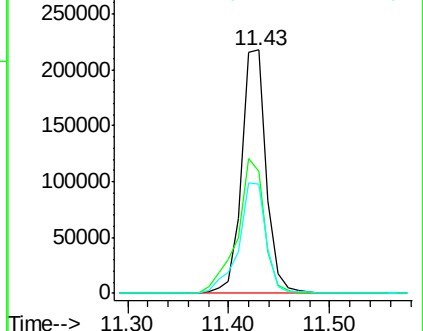
103 44.8 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#71

Bromoform

Concen: 80.590 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

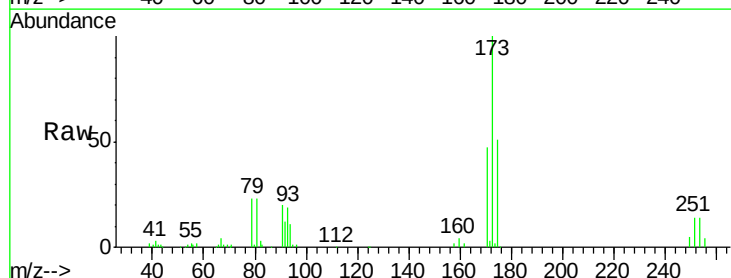
Tgt Ion:173 Resp: 170201

Ion Ratio Lower Upper

173 100

175 51.0 25.1 75.2

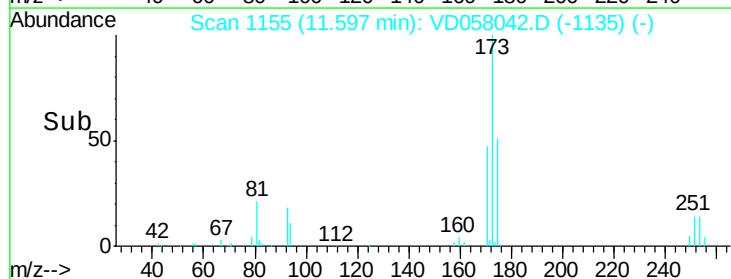
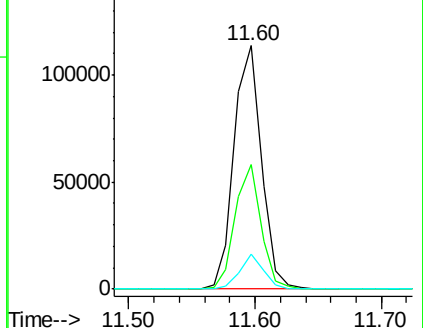
254 14.4 10.7 16.1

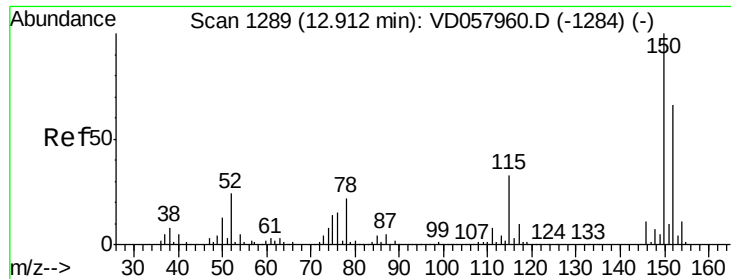


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

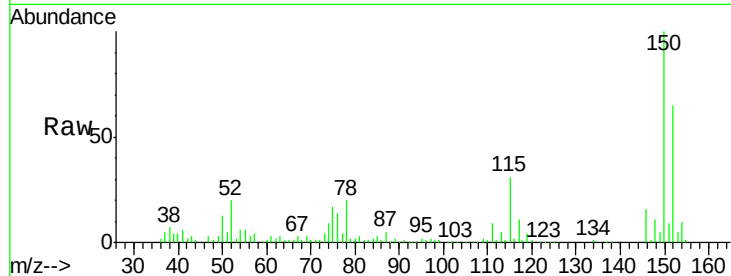
Tot Ion:152 Resp: 178206

Ion Ratio Lower Upper

152 100

115 48.4 25.6 76.6

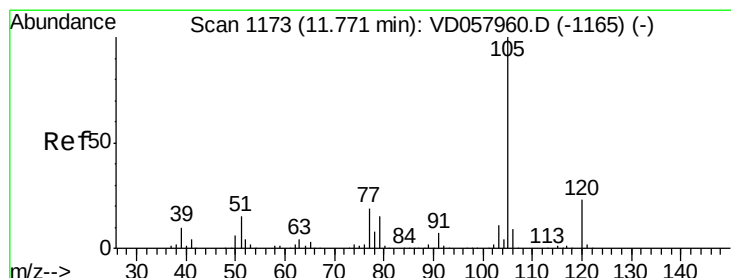
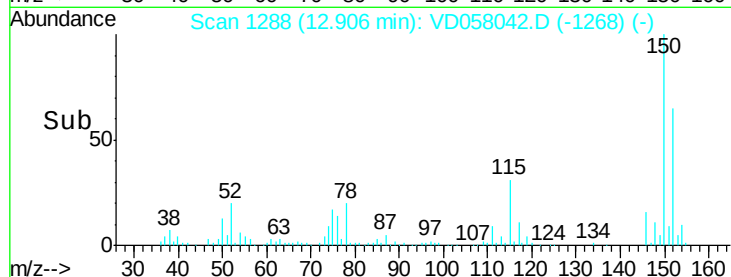
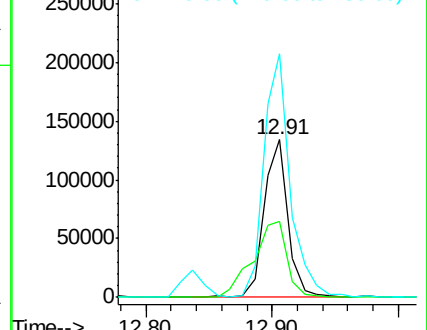
150 154.3 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 45.392 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD058042.D

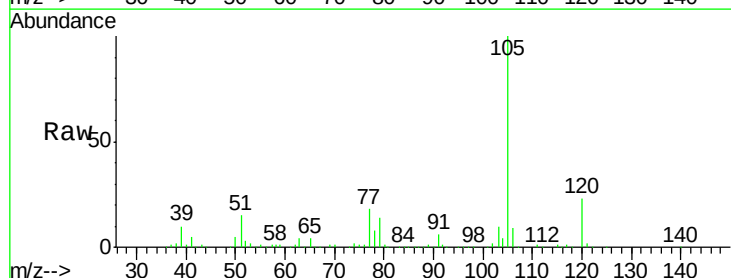
Acq: 9 Jun 2018 4:30

Tgt Ion:105 Resp: 535783

Ion Ratio Lower Upper

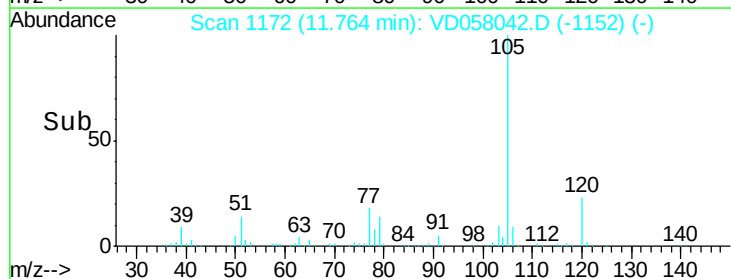
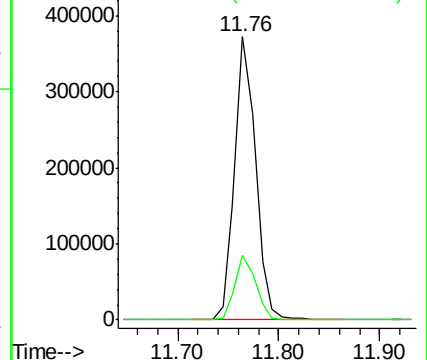
105 100

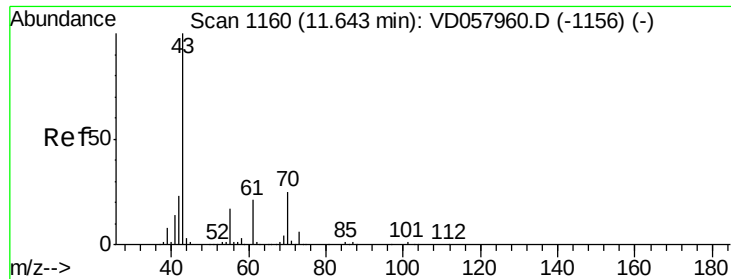
120 22.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 79.211 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 360778

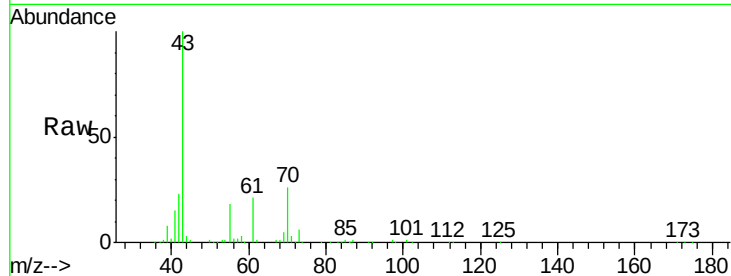
Ion Ratio Lower Upper

43 100

70 25.9 20.3 30.5

55 17.8 13.9 20.9

61 20.7 16.6 24.8

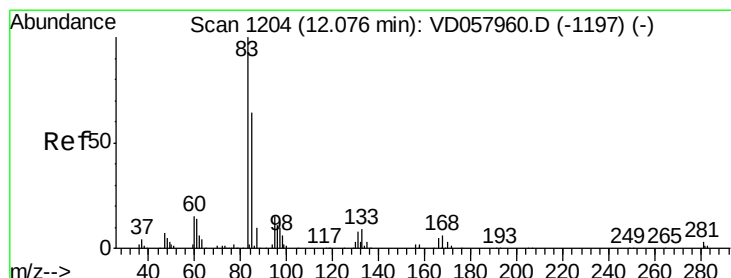
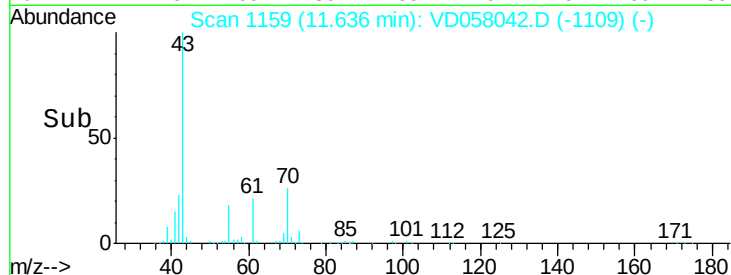
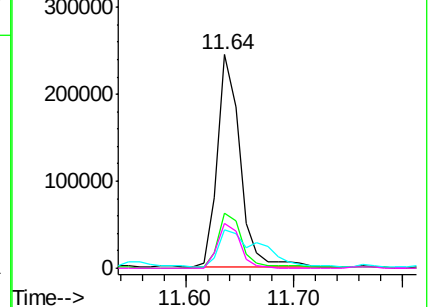


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 98.931 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

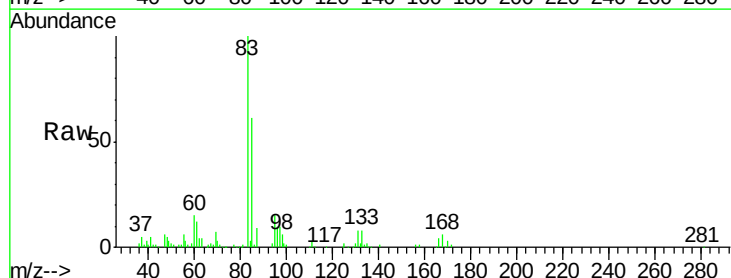
Tgt Ion: 83 Resp: 254595

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.6

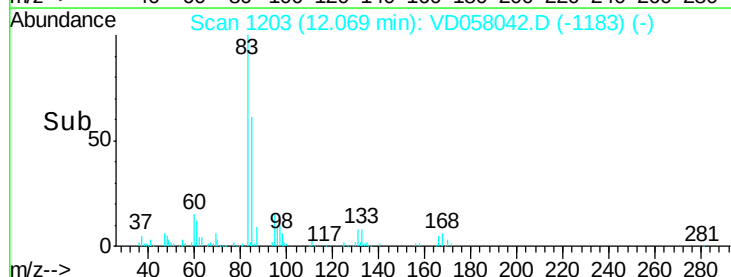
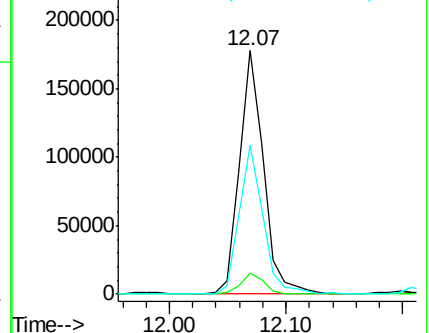
85 61.2 31.9 95.5

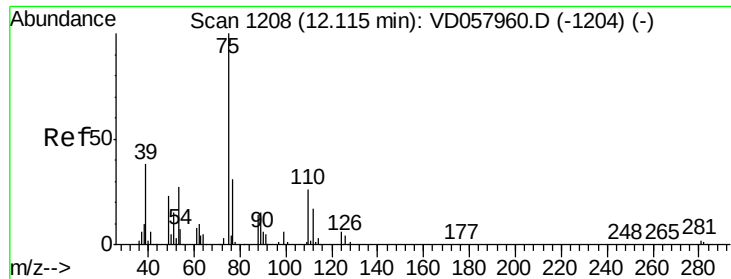


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

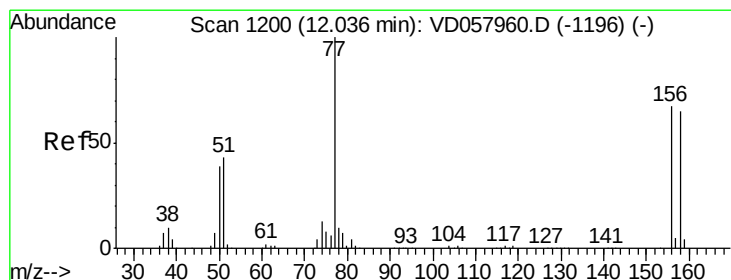
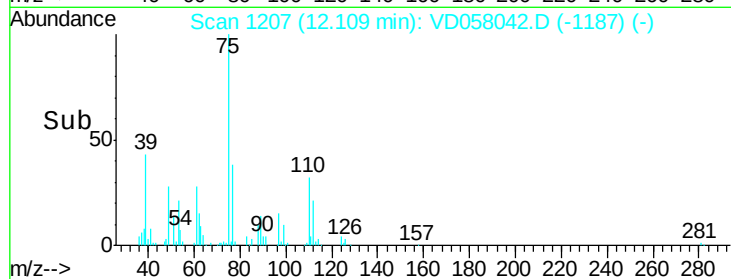
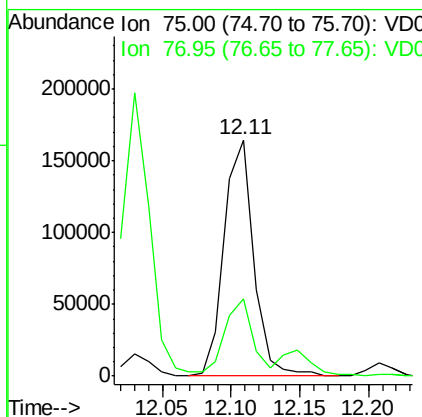
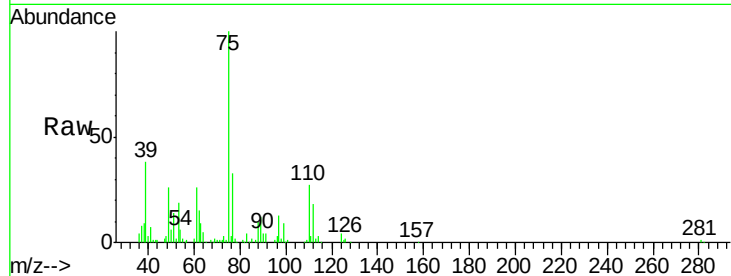




#76
 1,2,3-Trichloropropane
 Concen: 92.311 ug/l
 RT: 12.11 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

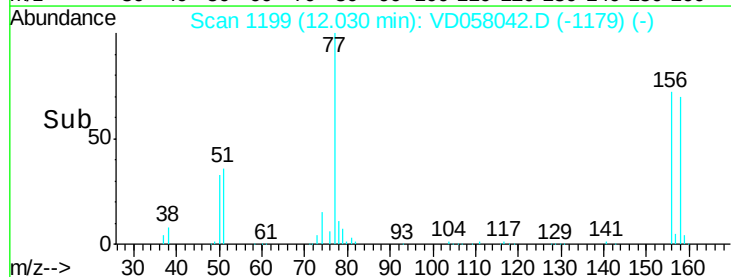
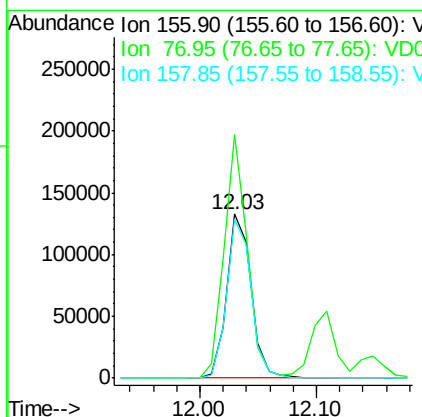
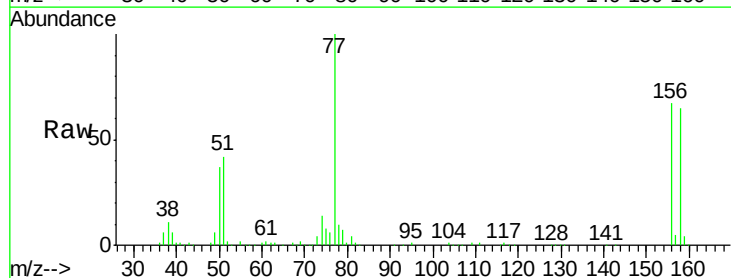
Instrument :
 MSVOA_D
 ClientSampled :

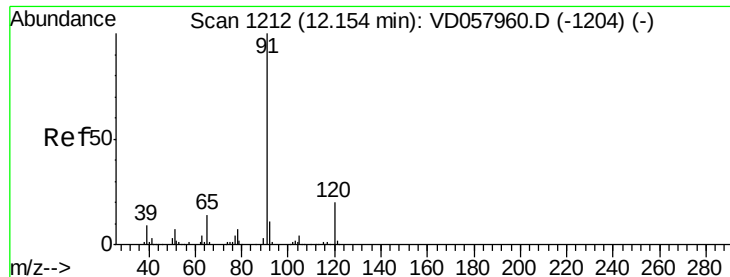
Tot Ion: 75 Resp: 247109
 Ion Ratio Lower Upper
 75 100
 77 32.9 16.7 50.1



#77
 Bromobenzene
 Concen: 55.123 ug/l
 RT: 12.03 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 156 Resp: 192593
 Ion Ratio Lower Upper
 156 100
 77 148.5 75.0 224.8
 158 96.7 48.6 145.9





#78

n-propylbenzene

Concen: 42.552 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

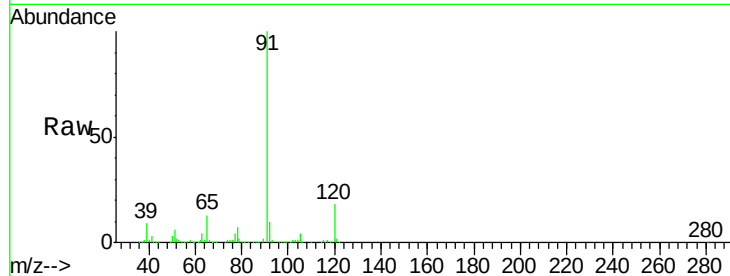
ClientSampled :

Tot Ion: 91 Resp: 653566

Ion Ratio Lower Upper

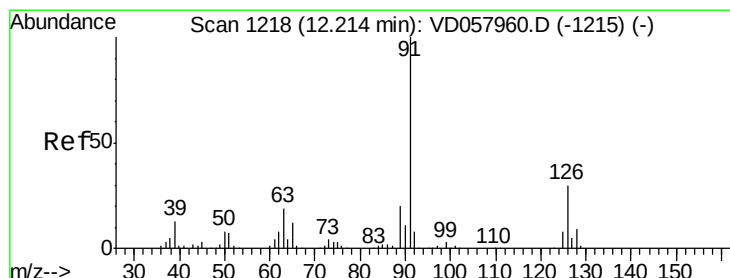
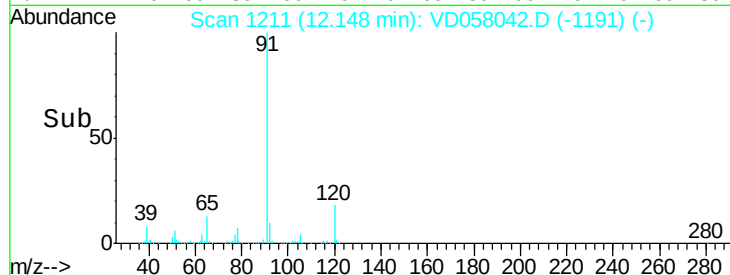
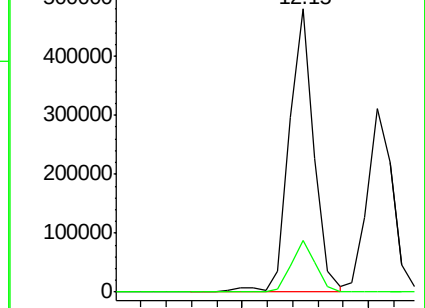
91 100

120 18.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 49.440 ug/l

RT: 12.21 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD058042.D

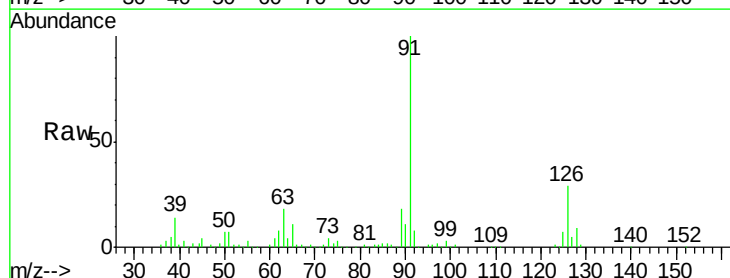
Acq: 9 Jun 2018 4:30

Tgt Ion: 91 Resp: 433208

Ion Ratio Lower Upper

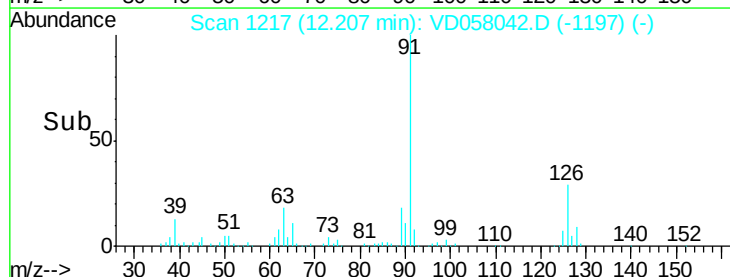
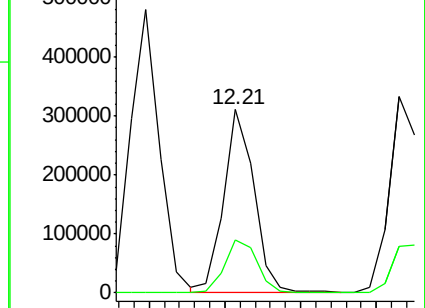
91 100

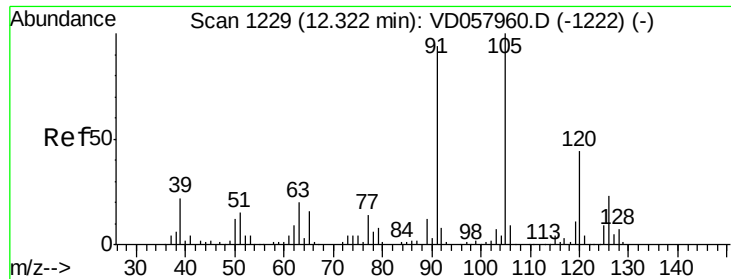
126 28.6 14.6 44.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#80

1,3,5-Trimethylbenzene

Concen: 48.417 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

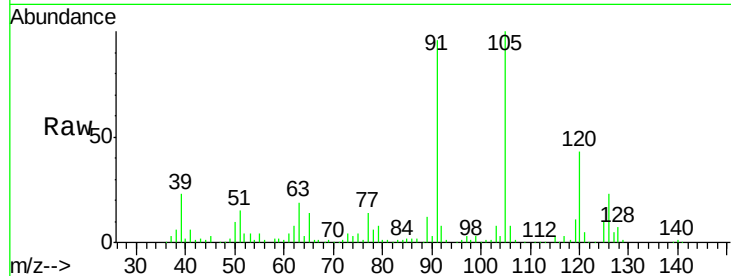
ClientSampled :

Tot Ion:105 Resp: 445688

Ion Ratio Lower Upper

105 100

120 43.2 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.32

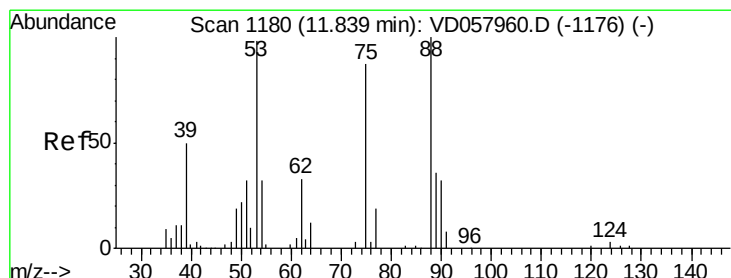
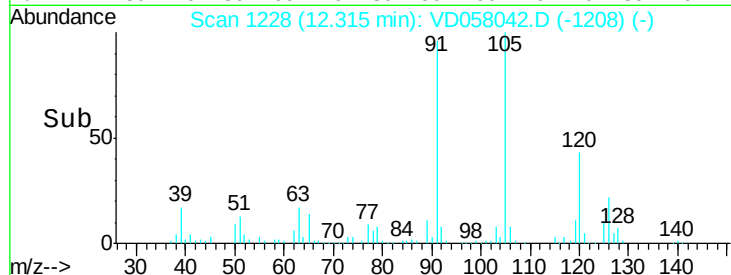
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 77.656 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

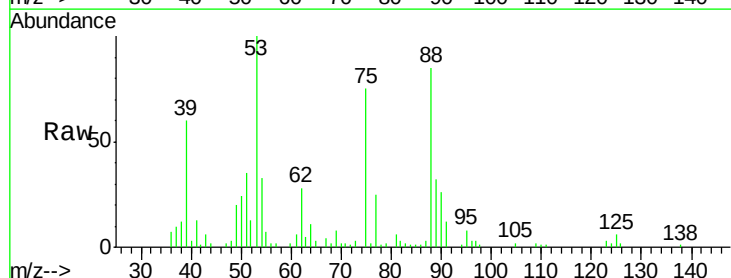
Tgt Ion: 75 Resp: 51488

Ion Ratio Lower Upper

75 100

53 133.3 89.3 133.9

89 42.5 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

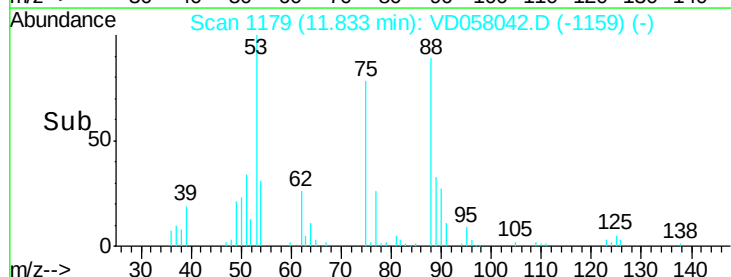
60000

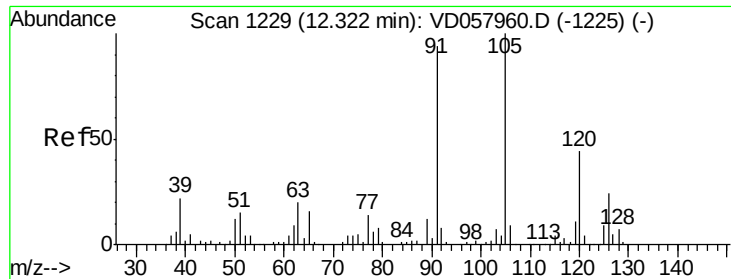
40000

20000

0

Time-->

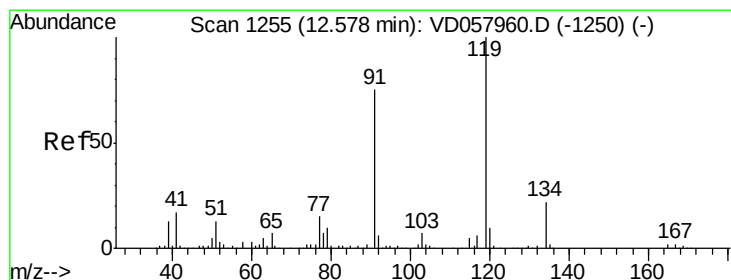
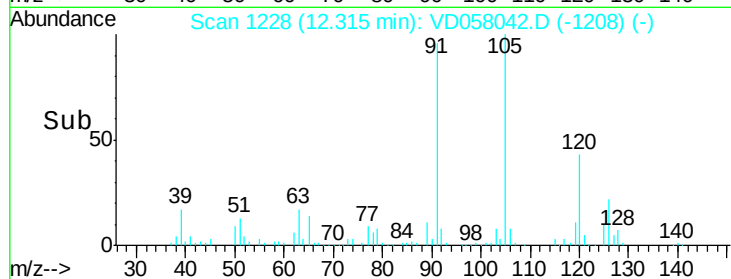
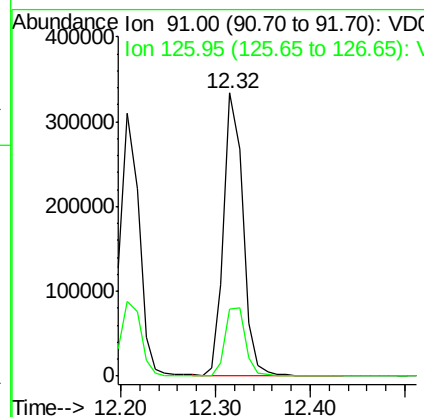
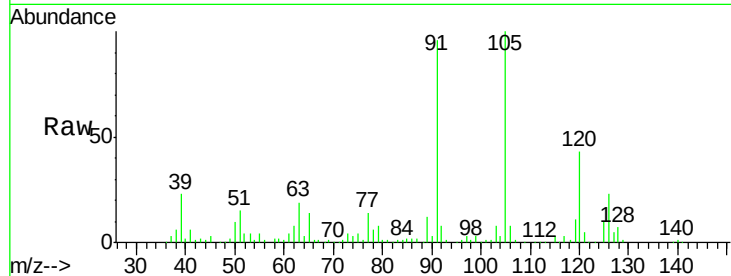




#82
4-Chlorotoluene
Concen: 55.998 ug/l
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

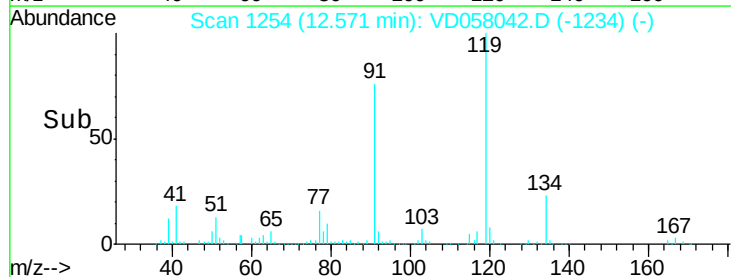
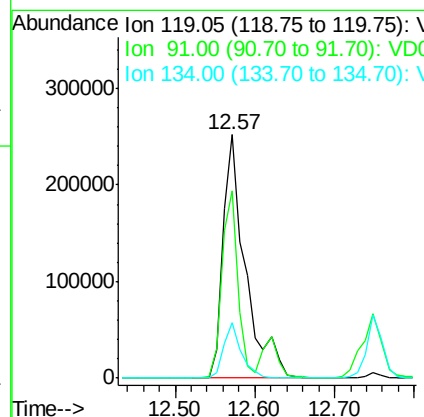
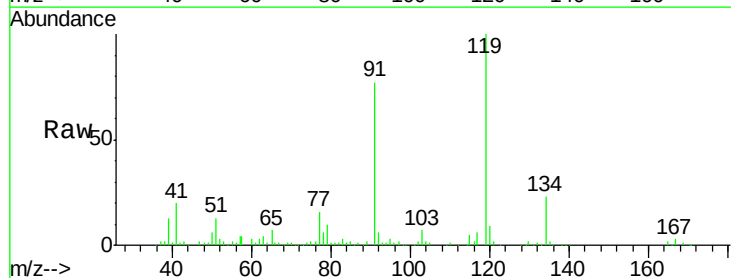
Instrument :
MSVOA_D
ClientSampled :

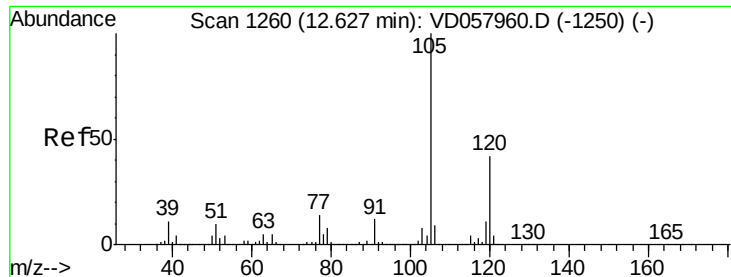
Tot Ion: 91 Resp: 473940
Ion Ratio Lower Upper
91 100
126 23.6 12.5 37.5



#83
tert-Butylbenzene
Concen: 47.996 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058042.D
Acq: 9 Jun 2018 4:30

Tgt Ion: 119 Resp: 498865
Ion Ratio Lower Upper
119 100
91 76.8 37.6 112.9
134 22.6 11.2 33.5

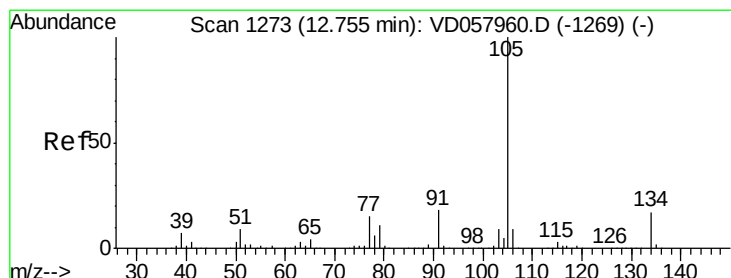
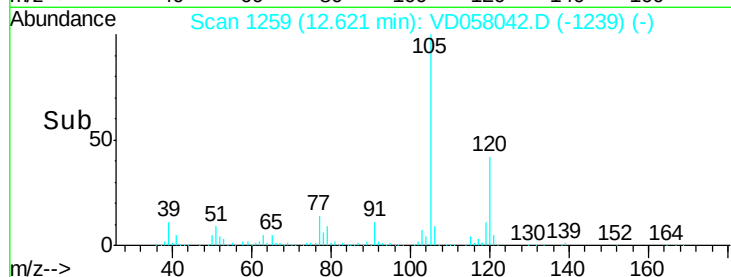
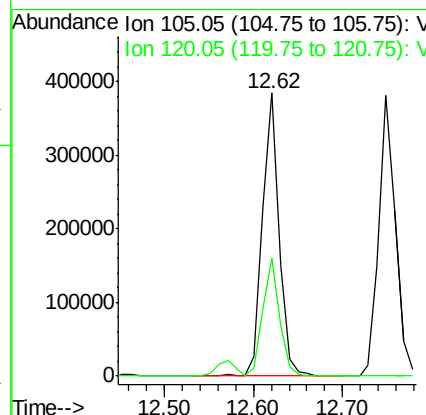
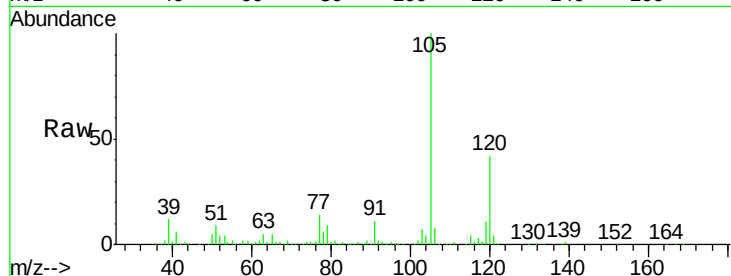




#84
 1,2,4-Trimethylbenzene
 Concen: 49.850 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

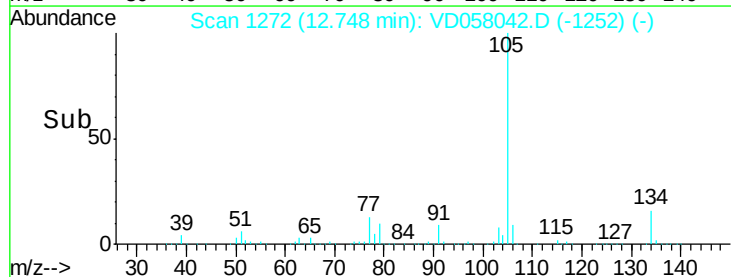
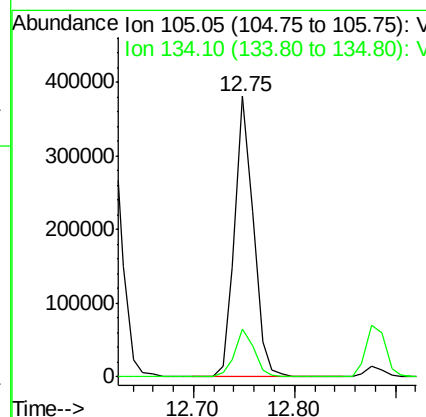
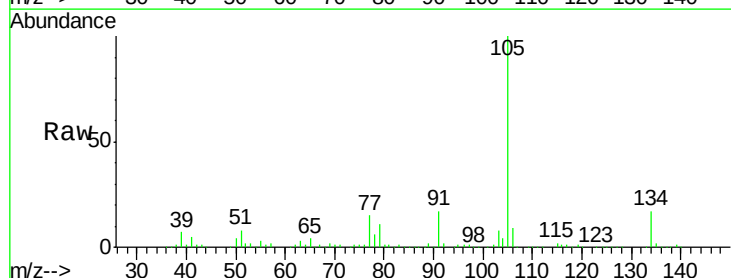
Instrument :
 MSVOA_D
 ClientSampleId :

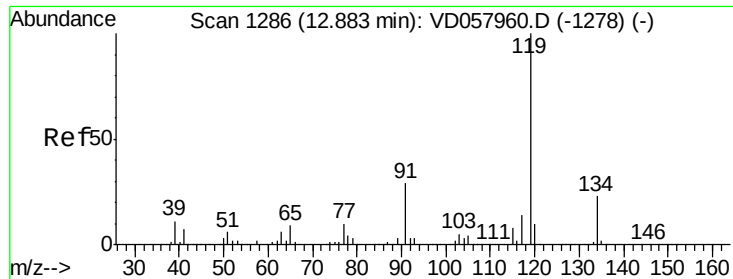
Tot Ion:105 Resp: 493391
 Ion Ratio Lower Upper
 105 100
 120 41.8 21.2 63.6



#85
 sec-Butylbenzene
 Concen: 39.090 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion:105 Resp: 490343
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.3 25.1

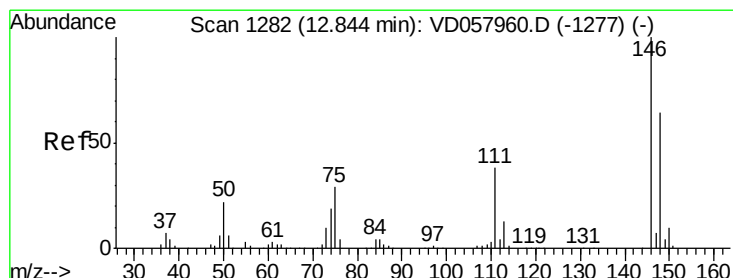
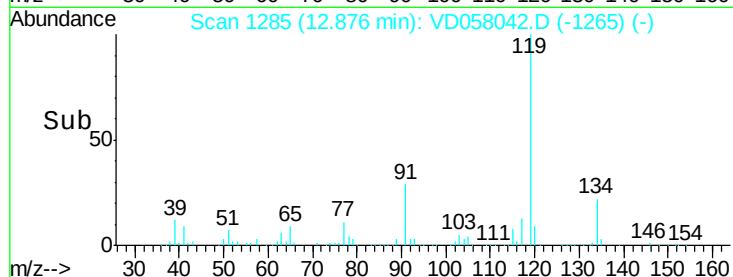
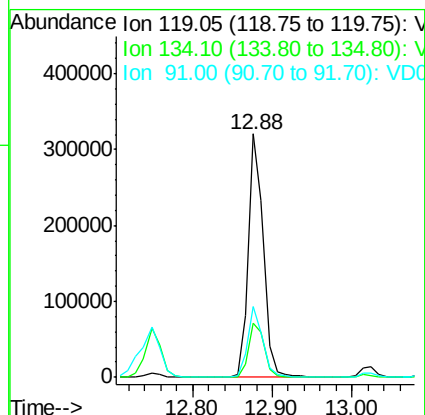
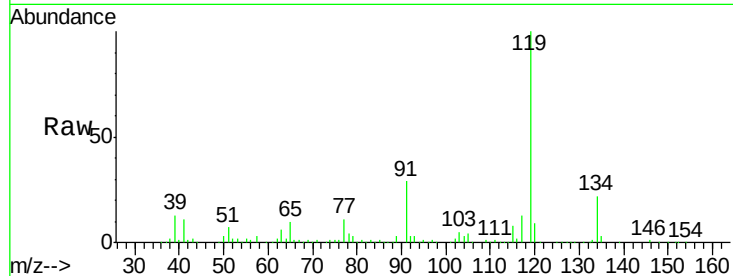




#86
 p-Isopropyltoluene
 Concen: 40.883 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

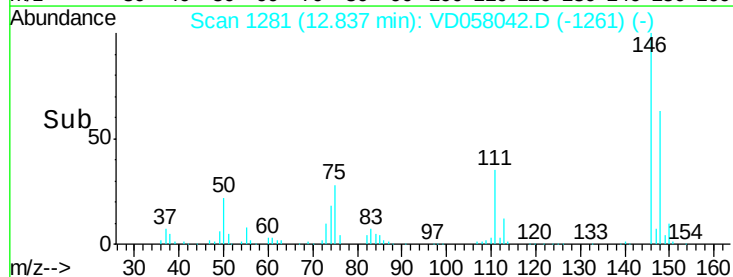
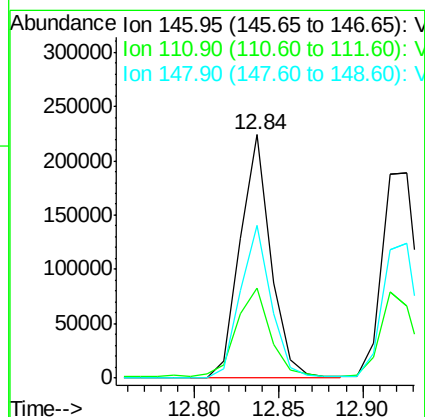
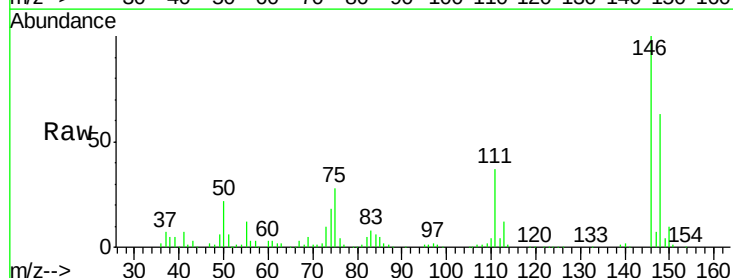
Instrument :
 MSVOA_D
 ClientSampleId :

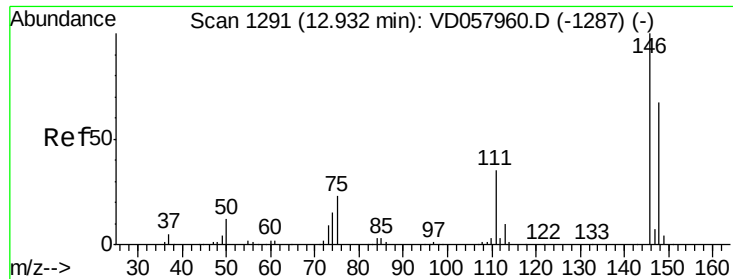
Tot Ion:119 Resp: 413340
 Ion Ratio Lower Upper
 119 100
 134 22.0 11.5 34.4
 91 28.8 14.5 43.6



#87
 1,3-Dichlorobenzene
 Concen: 47.966 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion:146 Resp: 283487
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.3
 148 62.6 32.0 96.2

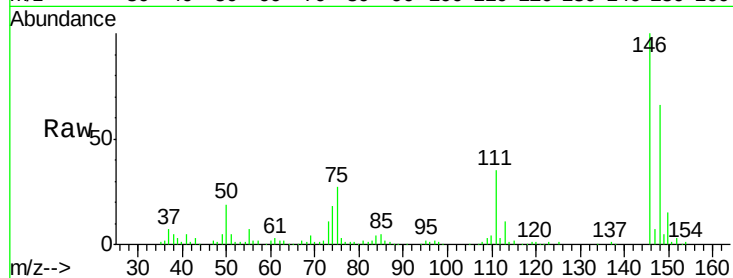




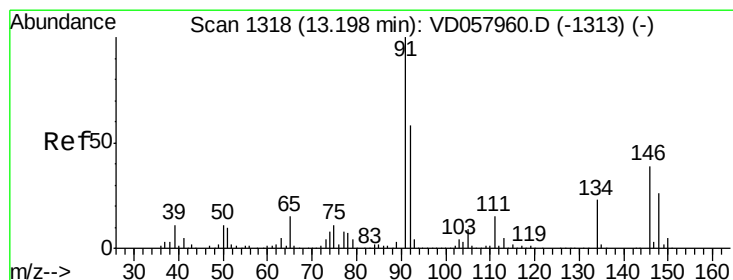
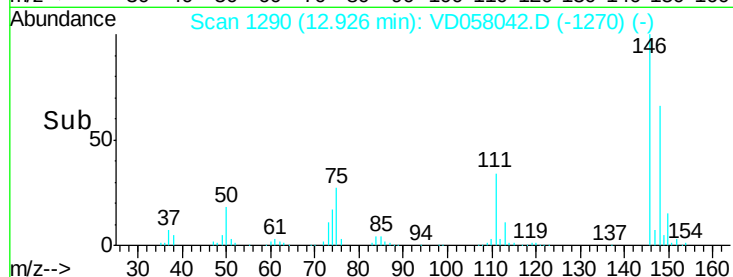
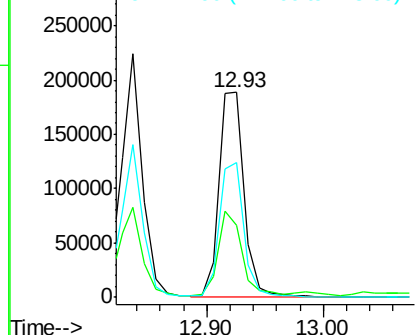
#88
 1,4-Dichlorobenzene
 Concen: 48.669 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 280259
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.3 52.0
 148 65.7 33.4 100.2

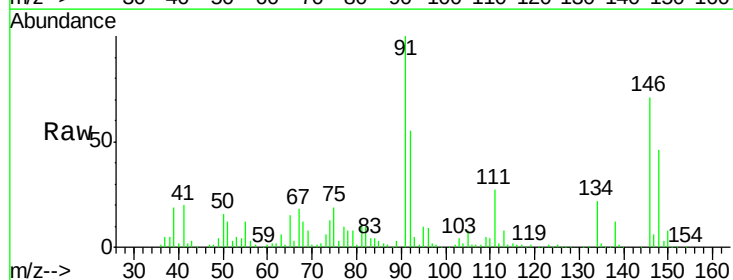


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

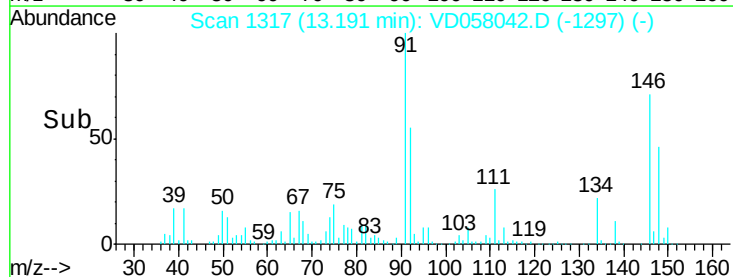
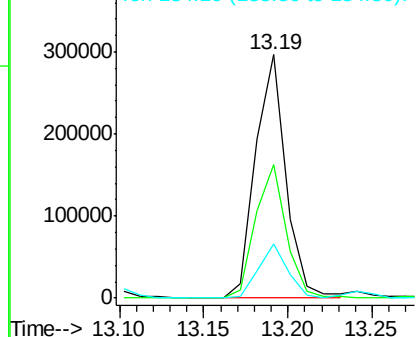


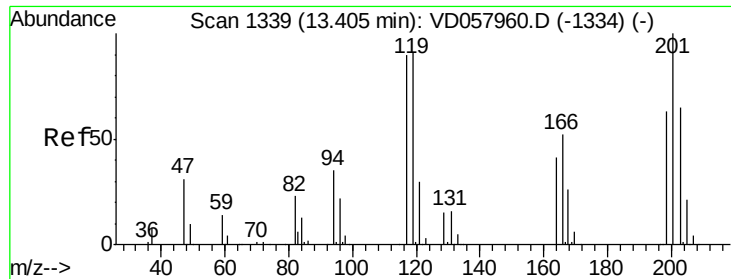
#89
 n-Butylbenzene
 Concen: 39.749 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion: 91 Resp: 370222
 Ion Ratio Lower Upper
 91 100
 92 55.0 29.2 87.6
 134 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 92.00 (91.70 to 92.70): VDC
 Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 39.419 ug/l

RT: 13.40 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

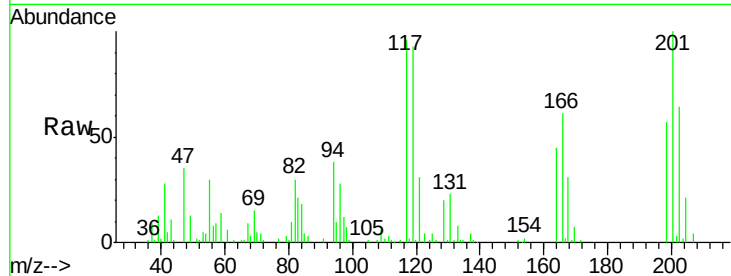
ClientSampleId :

Tot Ion:117 Resp: 101719

Ion Ratio Lower Upper

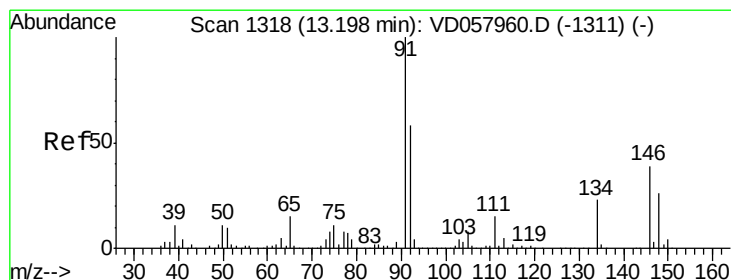
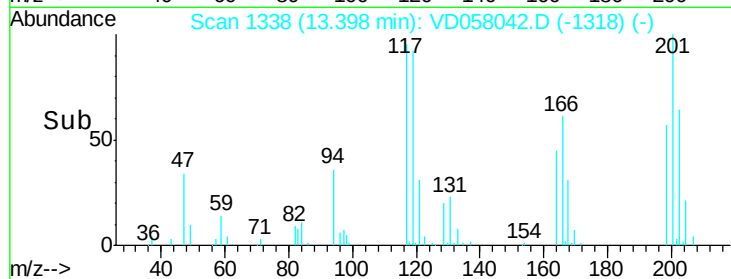
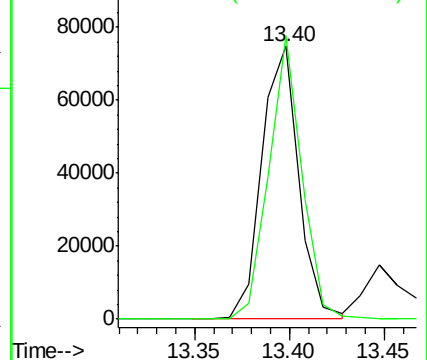
117 100

201 103.7 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 62.138 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

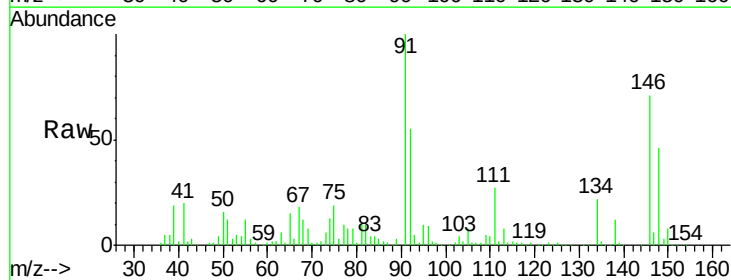
Tgt Ion:146 Resp: 296785

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.2

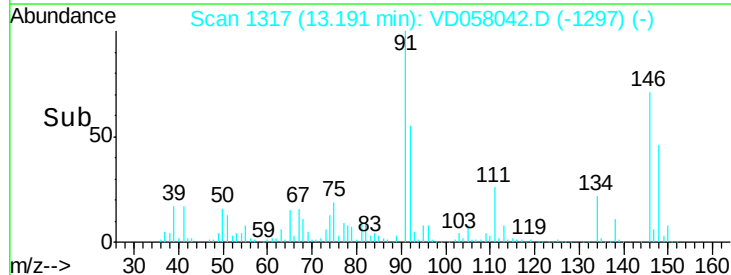
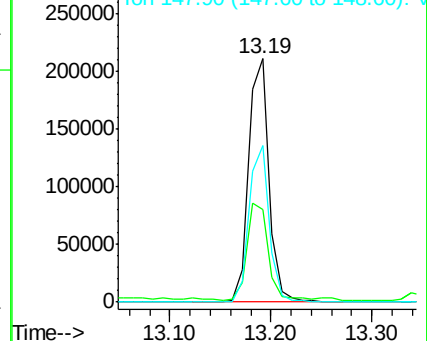
148 64.3 32.6 98.0

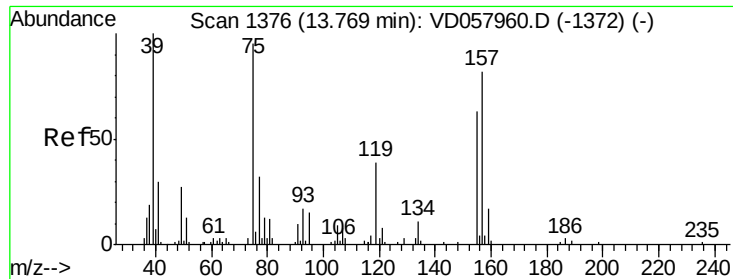


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

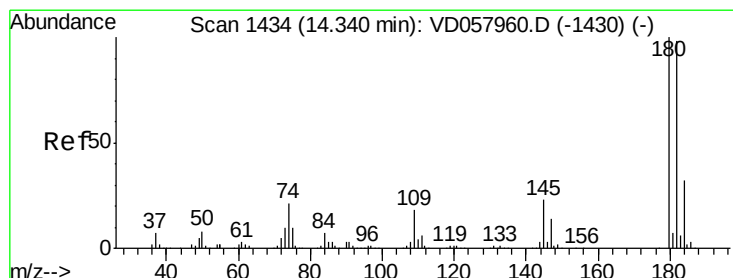
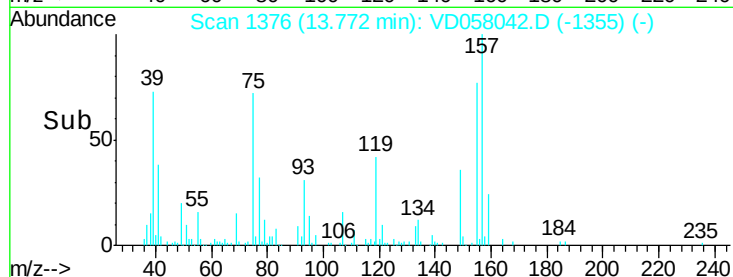
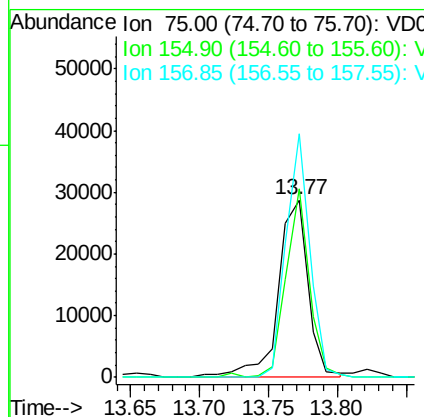
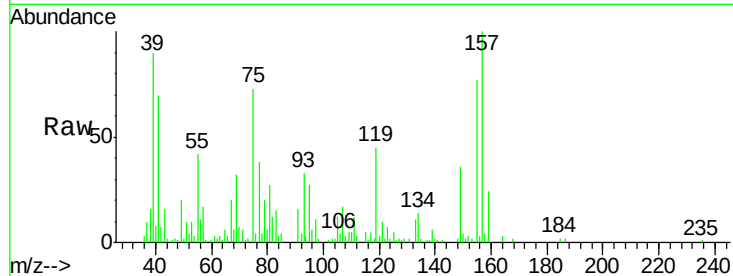




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 108.857 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

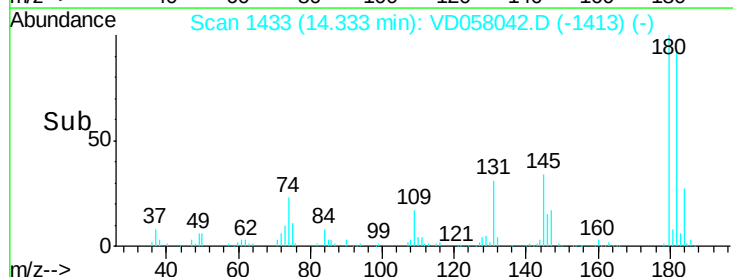
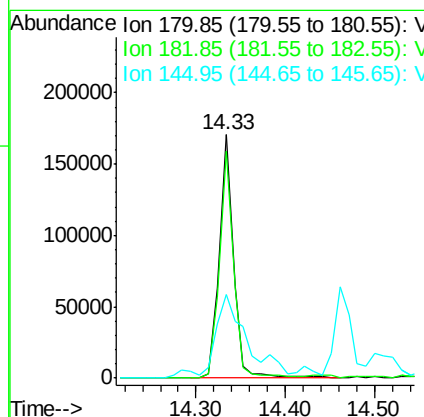
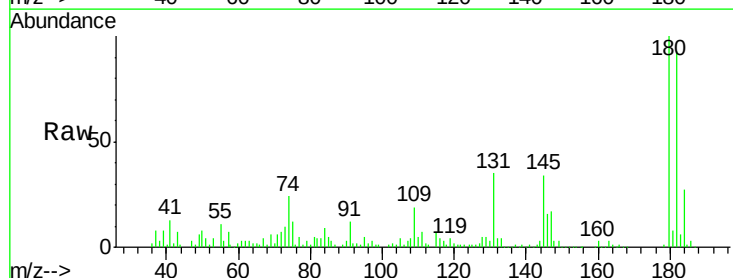
Instrument :
 MSVOA_D
 ClientSampleId :

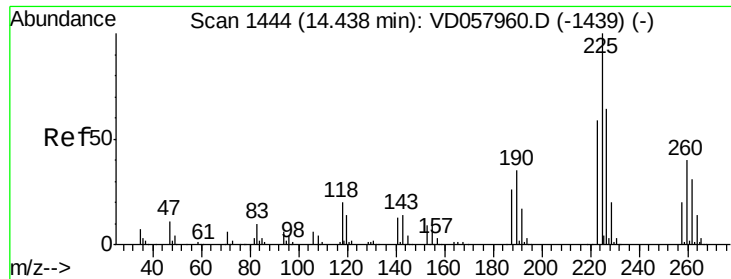
Tot Ion: 75 Resp: 43235
 Ion Ratio Lower Upper
 75 100
 155 106.2 33.4 100.1#
 157 137.1 42.9 128.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 42.978 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Tgt Ion:180 Resp: 191779
 Ion Ratio Lower Upper
 180 100
 182 93.5 49.0 147.2
 145 34.3 11.8 35.3





#94

Hexachlorobutadiene

Concen: 22.143 ug/l

RT: 14.43 min Scan# 1443

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

Instrument :

MSVOA_D

ClientSampled :

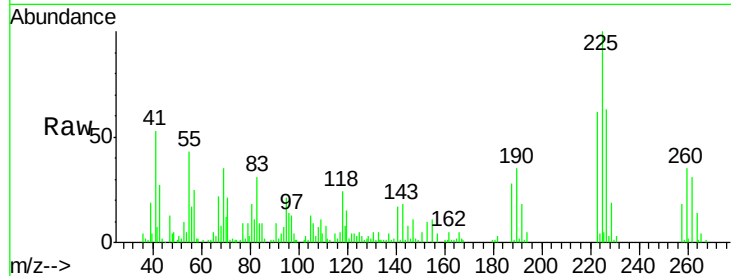
Tot Ion:225 Resp: 77719

Ion Ratio Lower Upper

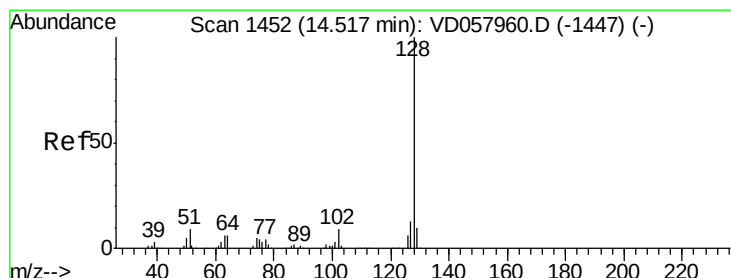
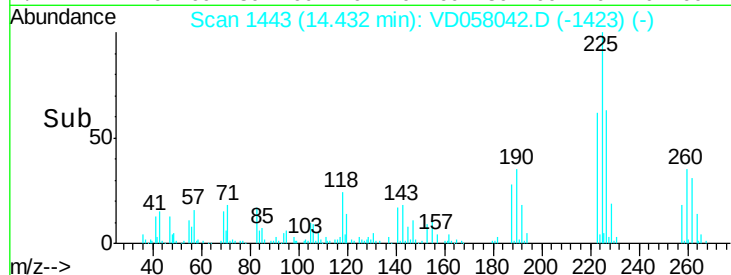
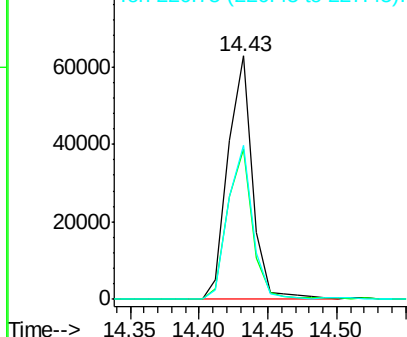
225 100

223 61.7 29.5 88.6

227 63.5 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: 68.690 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058042.D

Acq: 9 Jun 2018 4:30

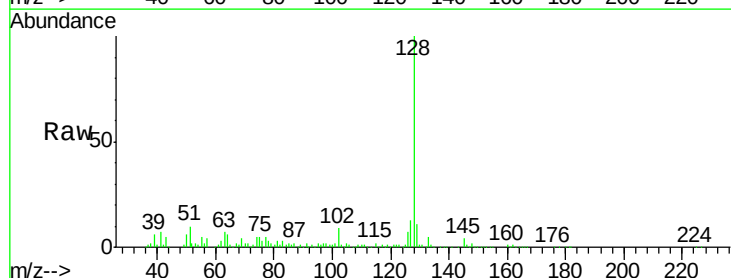
Tgt Ion:128 Resp: 395195

Ion Ratio Lower Upper

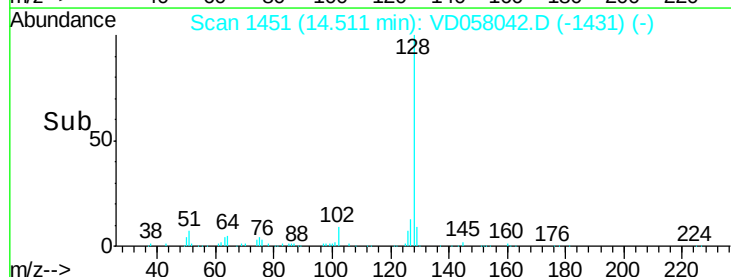
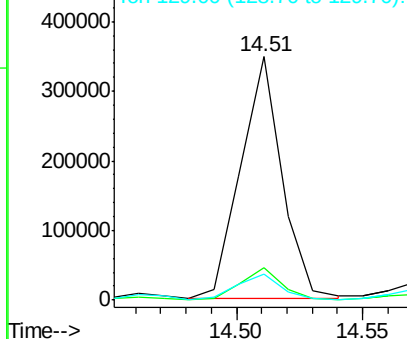
128 100

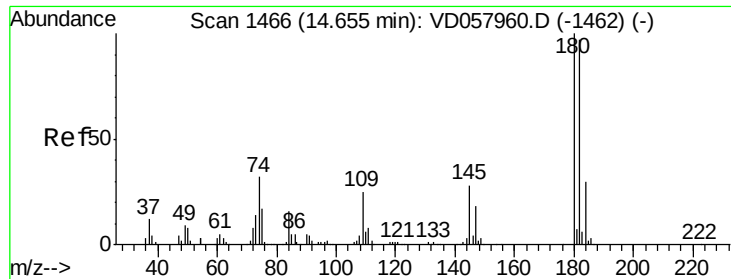
127 13.1 10.2 15.2

129 10.8 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: 49.686 ug/l
 RT: 14.66 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VD058042.D
 Acq: 9 Jun 2018 4:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.9	48.5	145.5
145	57.1	14.2	42.8

