

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058131.D
 Acq On : 14 Jun 2018 13:06
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:02:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	861750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1061303	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	888368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	460995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	401902	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	5.55	113	430414	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	8.71	98	988045	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.93	95	426916	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	268509	23.216	ug/l	93
3) Chloromethane	1.49	50	127706	22.420	ug/l	92
4) Vinyl Chloride	1.57	62	114924	20.843	ug/l	97
5) Bromomethane	1.80	94	40206	18.605	ug/l	94
6) Chloroethane	1.89	64	42383	19.483	ug/l	93
7) Trichlorofluoromethane	2.09	101	169446	22.482	ug/l	97
8) Diethyl Ether	2.35	74	30323	21.657	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	99818	22.203	ug/l	99
10) Methyl Iodide	2.70	142	113068	19.492	ug/l	97
11) Tert butyl alcohol	3.28	59	26598	115.246	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	77864	22.529	ug/l	100
13) Acrolein	2.48	56	28773	87.052	ug/l #	79
14) Allyl chloride	2.92	41	171174	21.470	ug/l #	97
15) Acrylonitrile	3.37	53	147586	109.308	ug/l	93
16) Acetone	2.62	43	133528	107.576	ug/l	97
17) Carbon Disulfide	2.77	76	257176	20.540	ug/l	98
18) Methyl Acetate	2.94	43	49141	20.466	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	335958	22.091	ug/l	98
20) Methylene Chloride	3.07	84	79796	22.024	ug/l	94
21) trans-1,2-Dichloroethene	3.40	96	171650	22.298	ug/l	95
22) Diisopropyl ether	4.08	45	658870	20.860	ug/l	96
23) Vinyl Acetate	4.03	43	1709588	104.756	ug/l	99
24) 1,1-Dichloroethane	3.98	63	382473	22.033	ug/l	99
25) 2-Butanone	4.84	43	280350	99.384	ug/l	93
26) 2,2-Dichloropropane	4.80	77	326526	22.834	ug/l	92
27) cis-1,2-Dichloroethene	4.81	96	210926	23.102	ug/l	89
28) Bromochloromethane	5.15	49	160407	21.350	ug/l	96
29) Tetrahydrofuran	5.19	42	143508	97.049	ug/l	94
30) Chloroform	5.34	83	396670	22.705	ug/l	95
31) Cyclohexane	5.60	56	312275	20.845	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	319735	21.858	ug/l	99
36) 1,1-Dichloropropene	5.75	75	289857	24.789	ug/l	98
37) Ethyl Acetate	4.93	43	145231	22.763	ug/l #	95
38) Carbon Tetrachloride	5.73	117	284195	24.662	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	276264	23.834	ug/l	90
40) Benzene	6.03	78	664133	24.314	ug/l	100
41) Methacrylonitrile	5.14	41	64926	22.256	ug/l #	97
42) 1,2-Dichloroethane	6.13	62	256530	23.228	ug/l	99
43) Isopropyl Acetate	7.62	43	186423	22.308	ug/l #	99
44) Trichloroethene	6.99	130	192541	24.132	ug/l	97
45) 1,2-Dichloropropane	7.35	63	181667	23.930	ug/l	100
46) Dibromomethane	7.47	93	117850	24.165	ug/l	95
47) Bromodichloromethane	7.75	83	260660	22.827	ug/l	93
48) Methyl methacrylate	7.51	41	106798	20.763	ug/l	97
49) 1,4-Dioxane	7.50	88	18370	431.109	ug/l	94
51) 4-Methyl-2-Pentanone	8.60	43	616866	115.082	ug/l	97
52) Toluene	8.81	92	374783	23.907	ug/l	98
53) t-1,3-Dichloropropene	9.20	75	235809	23.969	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	282786	24.399	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	122293	24.104	ug/l	94
56) Ethyl methacrylate	9.32	69	146153	23.484	ug/l	96
57) 1,3-Dichloropropane	9.67	76	213012	23.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	384828	122.390	ug/l	96
59) 2-Hexanone	9.80	43	448685	114.222	ug/l	98
60) Dibromochloromethane	9.96	129	167093	23.355	ug/l	95
61) 1,2-Dibromoethane	10.10	107	136703	23.430	ug/l	95
64) Tetrachloroethene	9.52	164	180981	22.788	ug/l	95
65) Chlorobenzene	10.73	112	403934	22.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	161266	23.339	ug/l	96
67) Ethyl Benzene	10.86	91	774465	23.836	ug/l	99
68) m/p-Xylenes	11.02	106	501383	47.336	ug/l	96
69) o-Xylene	11.41	106	237304	22.571	ug/l	98
70) Styrene	11.44	104	403167	23.164	ug/l	98
71) Bromoform	11.61	173	114424	22.013	ug/l	95
73) Isopropylbenzene	11.77	105	702697	23.013	ug/l	100
74) N-amyl acetate	11.65	43	245537	20.840	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	146544	22.013	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	151273	21.845	ug/l	97
77) Bromobenzene	12.04	156	204195	22.592	ug/l	94
78) n-propylbenzene	12.16	91	923961	23.255	ug/l	98
79) 2-Chlorotoluene	12.22	91	527120	23.255	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	555407	23.324	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	38144	22.239	ug/l	95
82) 4-Chlorotoluene	12.33	91	587991	25.088	ug/l	97
83) tert-Butylbenzene	12.58	119	598801	22.270	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	566624	22.131	ug/l	97
85) sec-Butylbenzene	12.76	105	712759	21.965	ug/l	99
86) p-Isopropyltoluene	12.89	119	595765	22.779	ug/l	99
87) 1,3-Dichlorobenzene	12.85	146	353935	23.150	ug/l	98
88) 1,4-Dichlorobenzene	12.94	146	336024	22.558	ug/l	99
89) n-Butylbenzene	13.20	91	654215	25.626	ug/l	99
90) Hexachloroethane	13.41	117	147892	22.155	ug/l	96
91) 1,2-Dichlorobenzene	13.20	146	294283	23.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	21763	21.182	ug/l #	42

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Response via : Initial Calibration

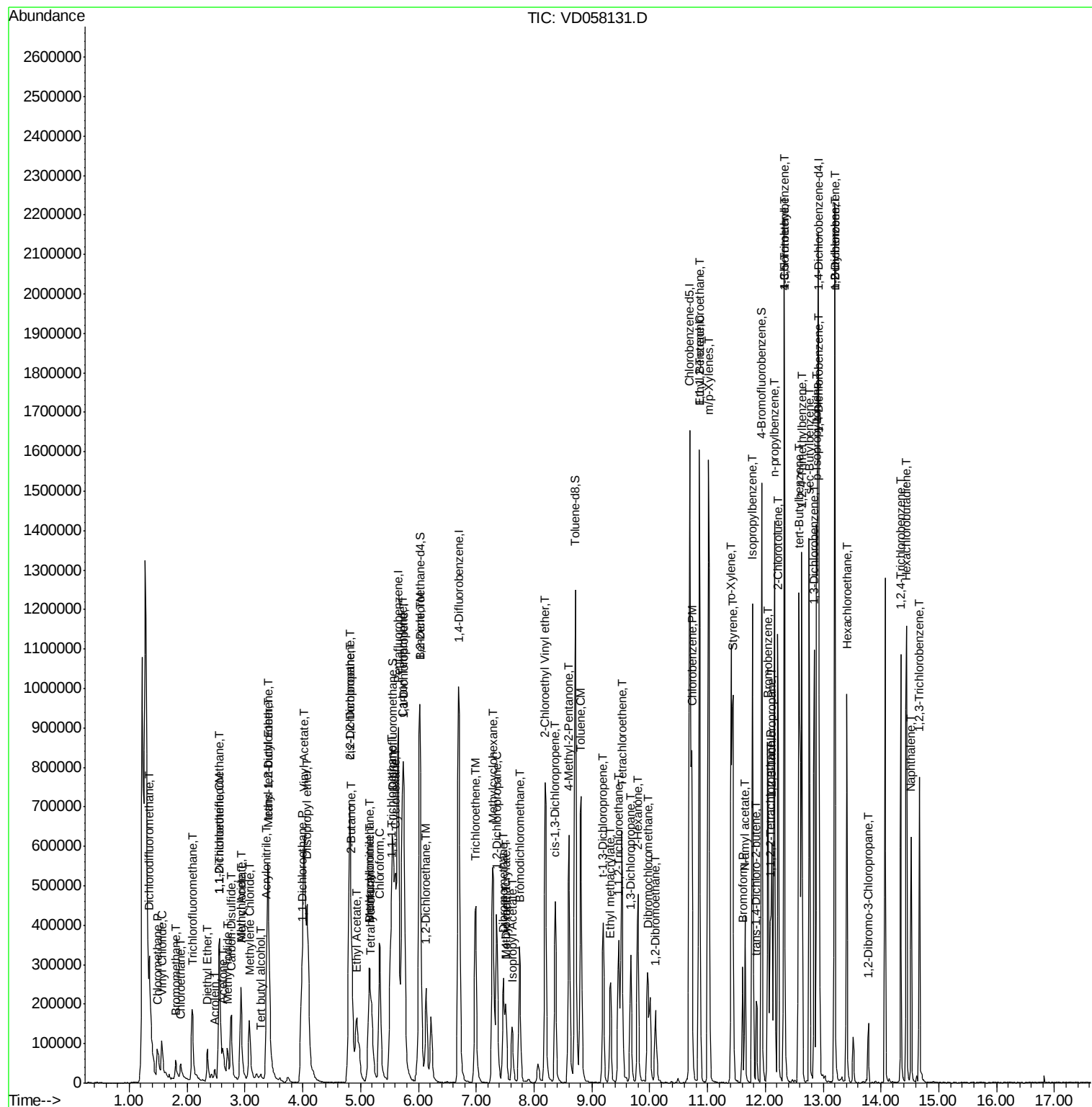
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	258477	22.392	ug/l	98
94) Hexachlorobutadiene	14.44	225	206226	22.713	ug/l	96
95) Naphthalene	14.52	128	334517	22.476	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	218374	22.198	ug/l	98

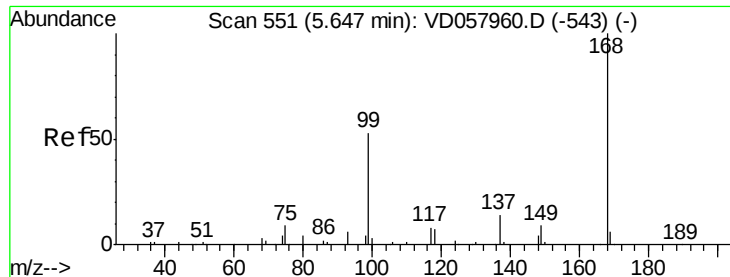
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

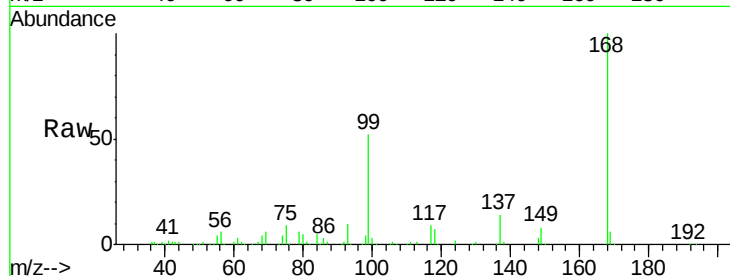
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 861750

Ion Ratio Lower Upper

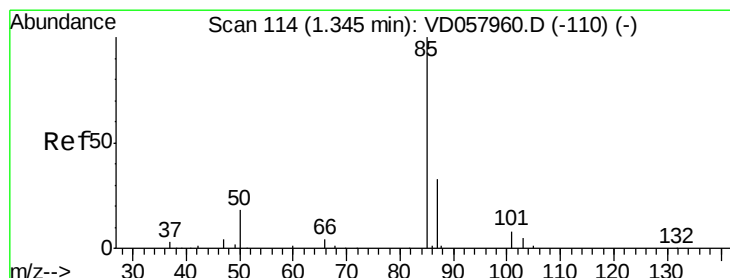
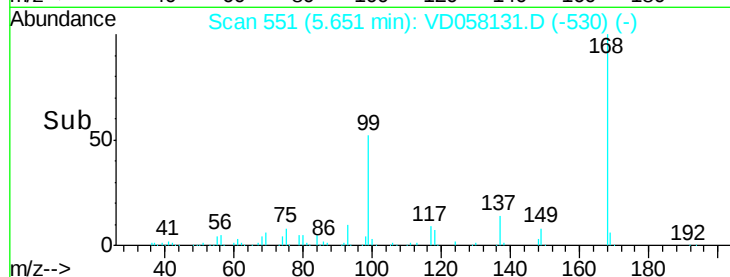
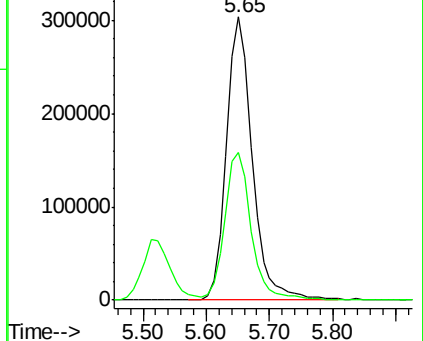
168 100

99 52.2 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: 23.216 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058131.D

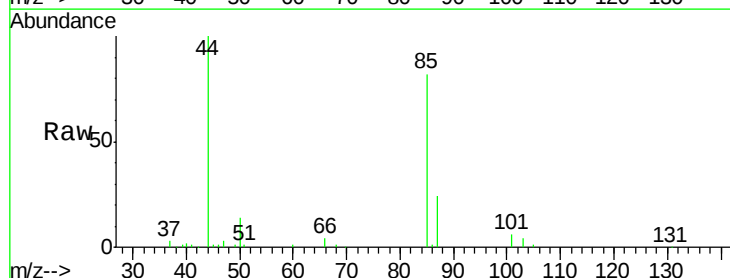
Acq: 14 Jun 2018 13:06

Tgt Ion: 85 Resp: 268509

Ion Ratio Lower Upper

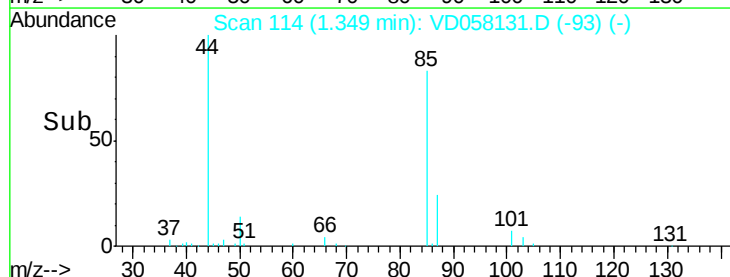
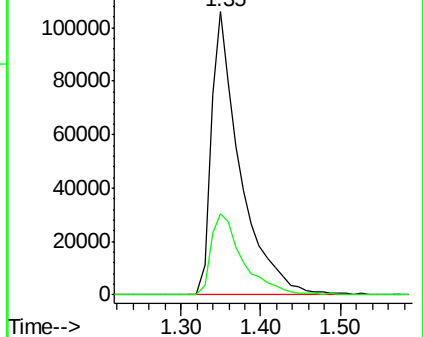
85 100

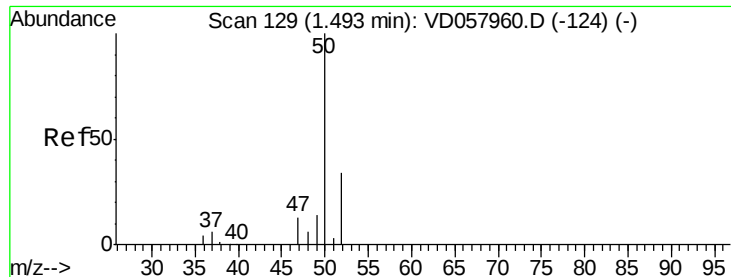
87 28.7 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.420 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

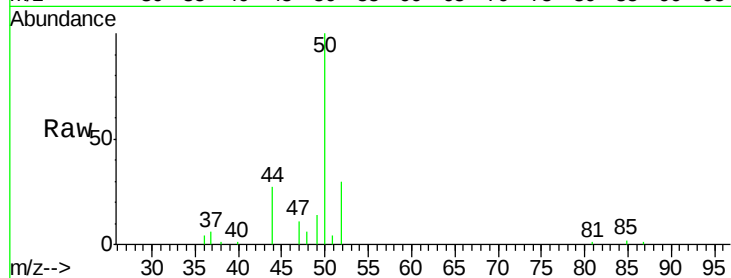
ClientSampleId :

Tot Ion: 50 Resp: 127706

Ion Ratio Lower Upper

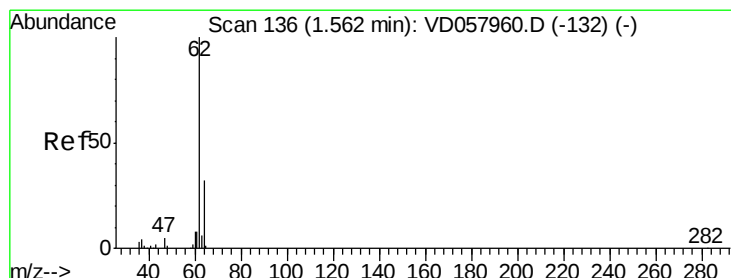
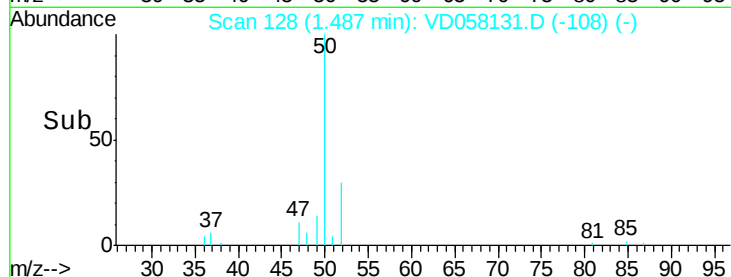
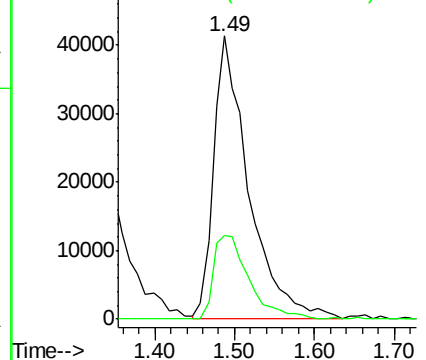
50 100

52 29.5 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: 20.843 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD058131.D

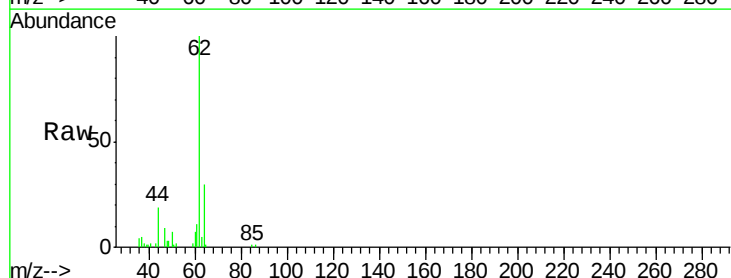
Acq: 14 Jun 2018 13:06

Tgt Ion: 62 Resp: 114924

Ion Ratio Lower Upper

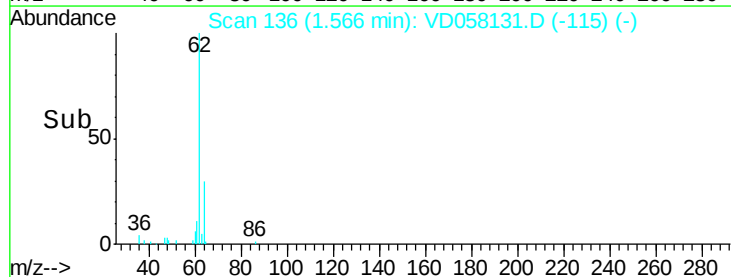
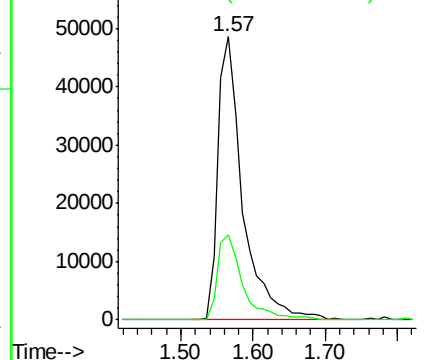
62 100

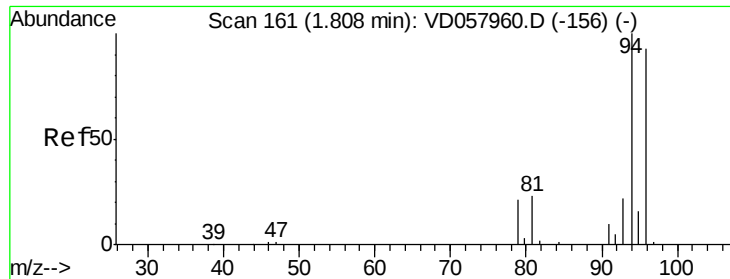
64 29.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.605 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

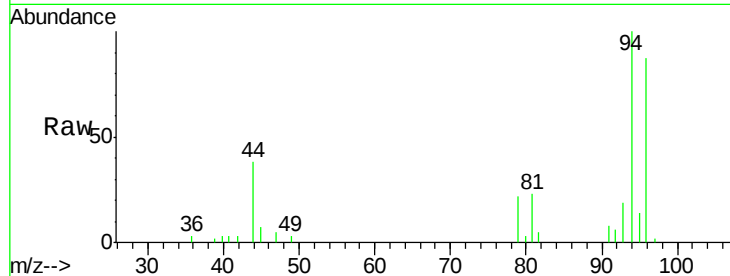
ClientSampleId :

Tot Ion: 94 Resp: 40206

Ion Ratio Lower Upper

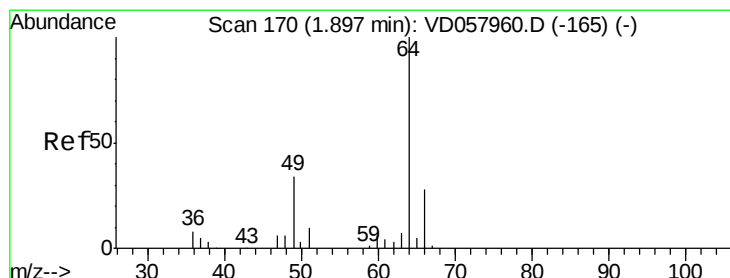
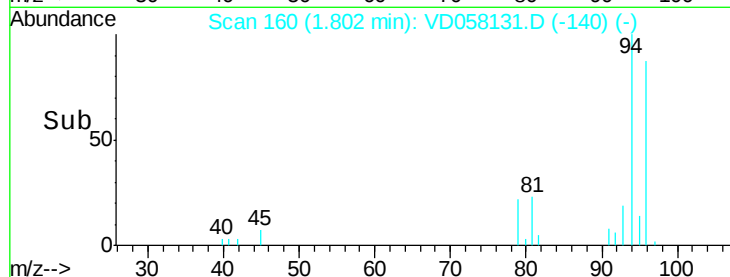
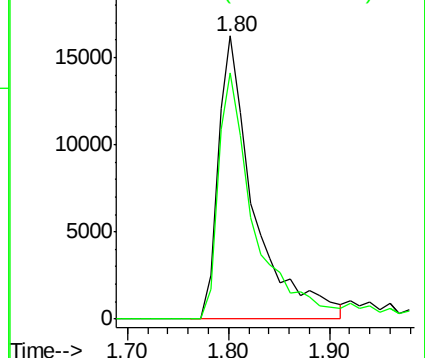
94 100

96 86.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.483 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058131.D

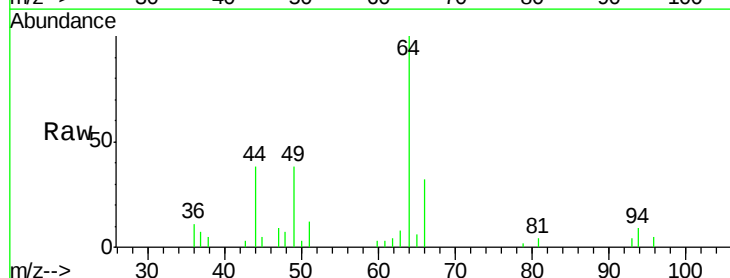
Acq: 14 Jun 2018 13:06

Tgt Ion: 64 Resp: 42383

Ion Ratio Lower Upper

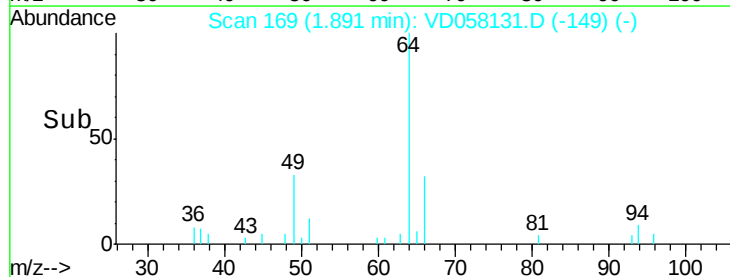
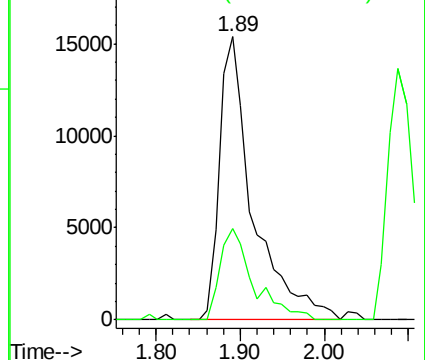
64 100

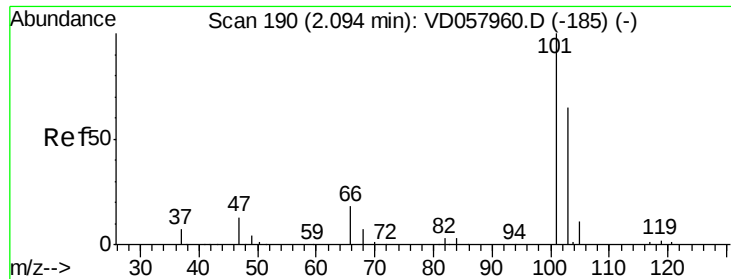
66 32.1 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



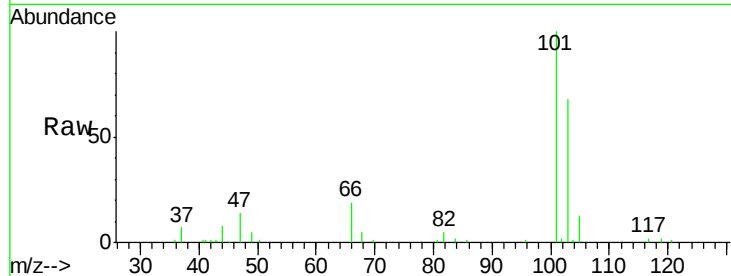


#7

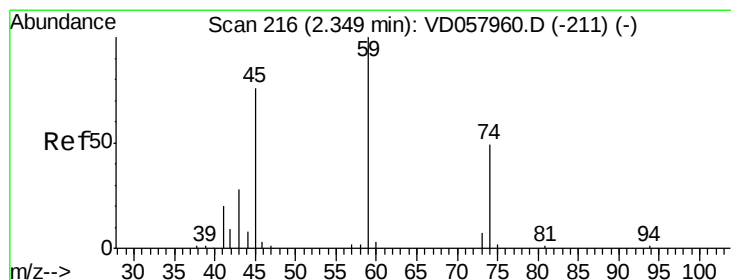
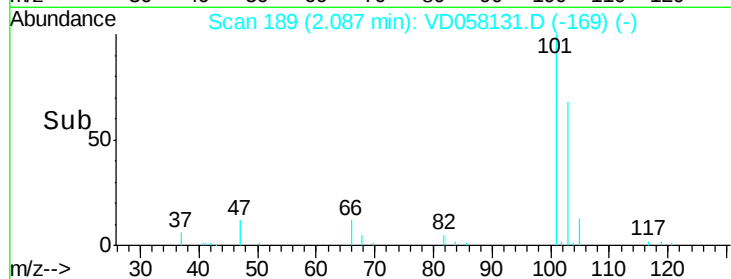
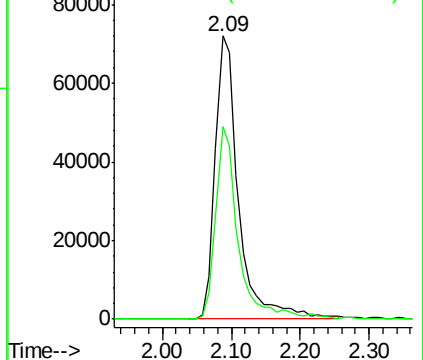
Trichlorofluoromethane
Concen: 22.482 ug/l
RT: 2.09 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 169446
Ion Ratio Lower Upper
101 100
103 67.8 52.4 78.6



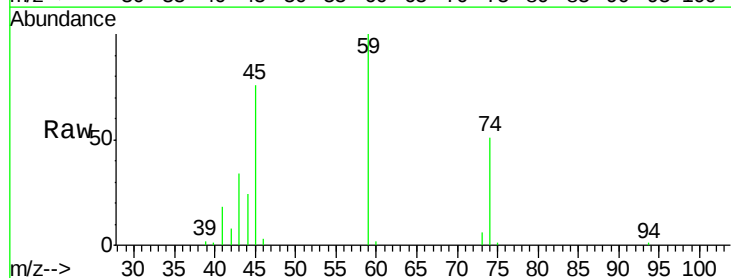
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



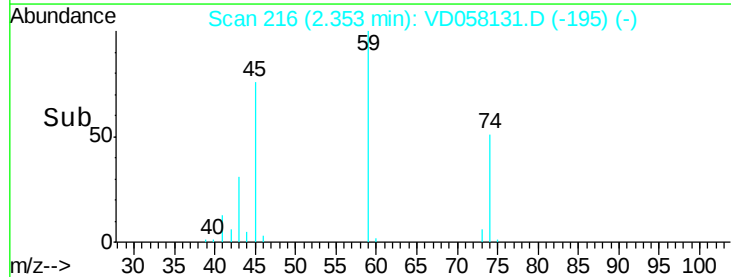
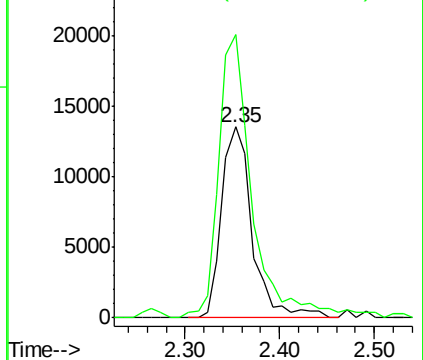
#8

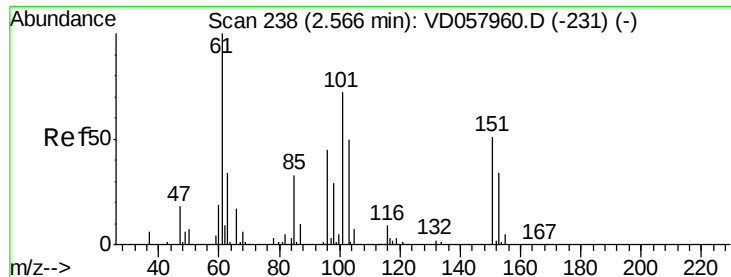
Diethyl Ether
Concen: 21.657 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 74 Resp: 30323
Ion Ratio Lower Upper
74 100
45 148.1 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.203 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampled :

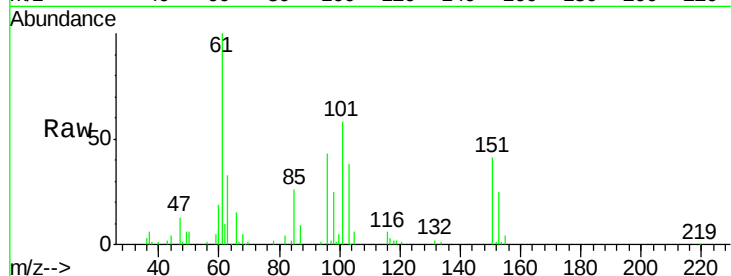
Tot Ion:101 Resp: 99818

Ion Ratio Lower Upper

101 100

85 45.2 37.3 55.9

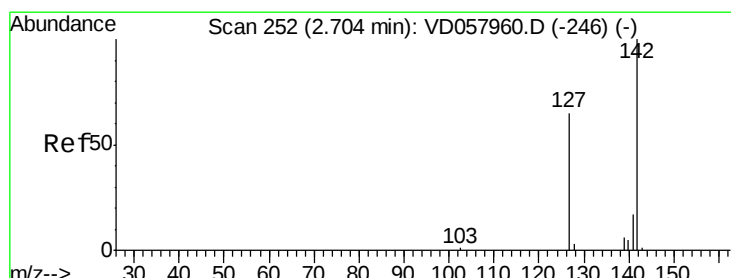
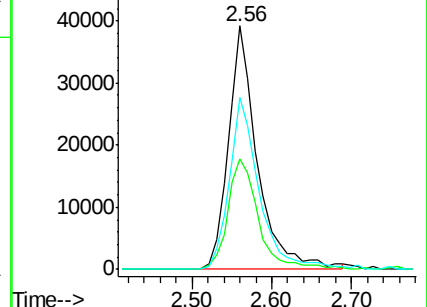
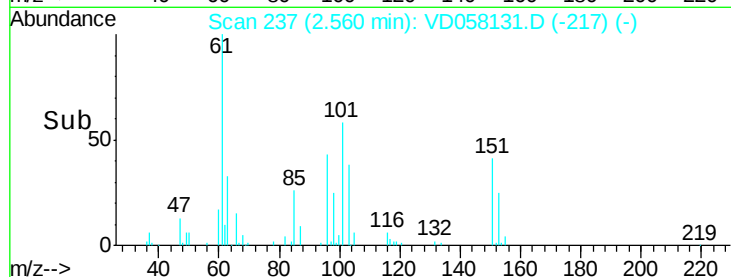
151 70.7 57.0 85.6



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: 19.492 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

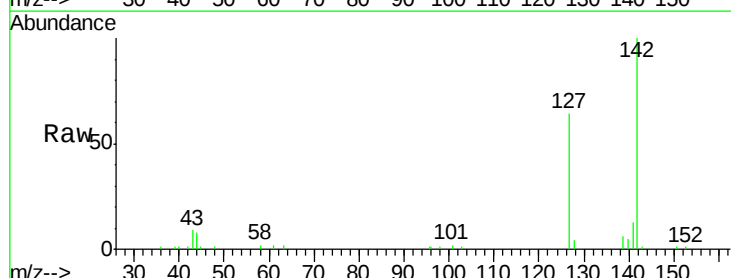
Tgt Ion:142 Resp: 113068

Ion Ratio Lower Upper

142 100

127 63.9 52.0 78.0

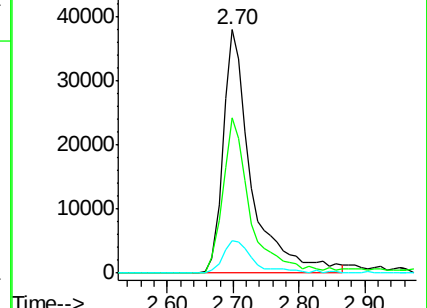
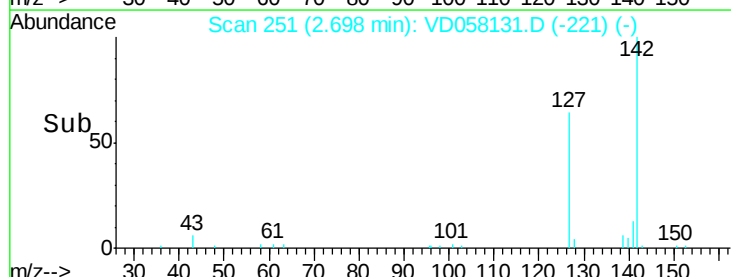
141 13.3 13.2 19.8

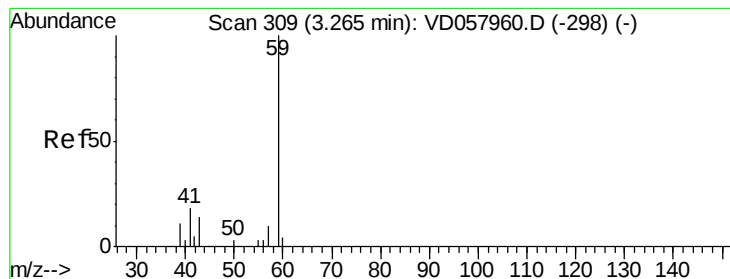


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



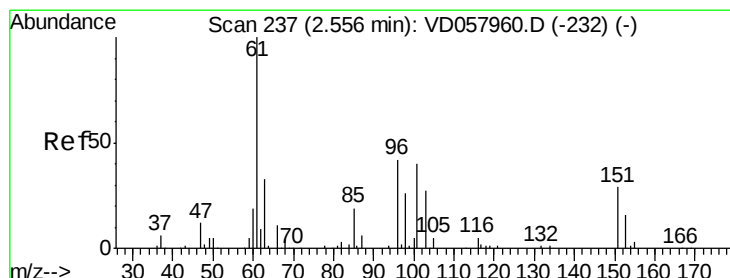
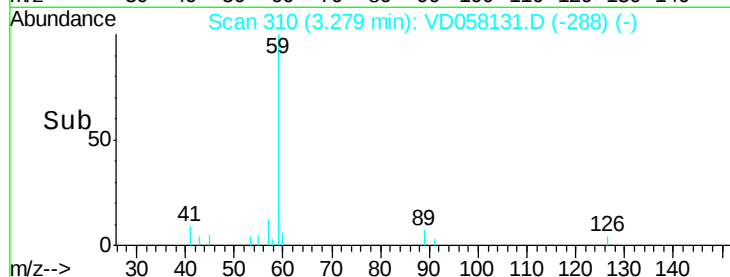
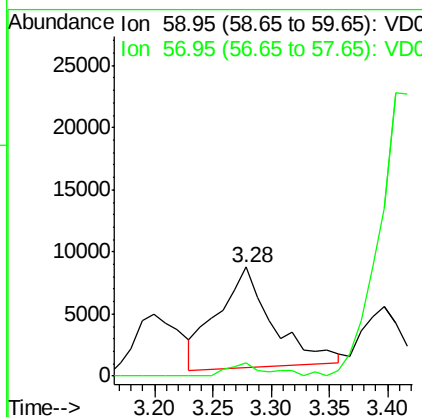
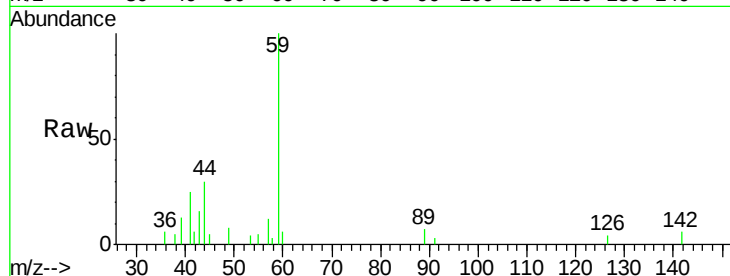


#11

Tert butyl alcohol
Concen: 115.246 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampleId :

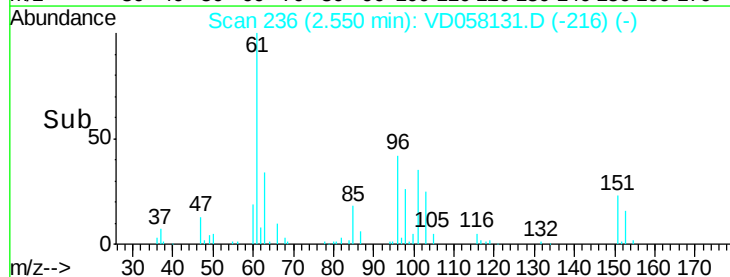
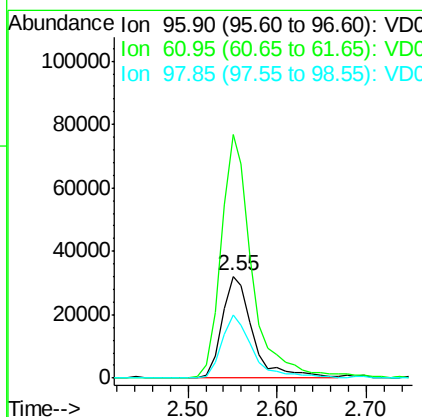
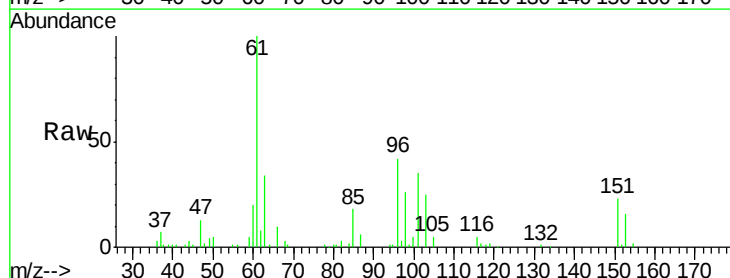
Tot Ion: 59 Resp: 26598
Ion Ratio Lower Upper
59 100
57 12.4 7.8 11.6#

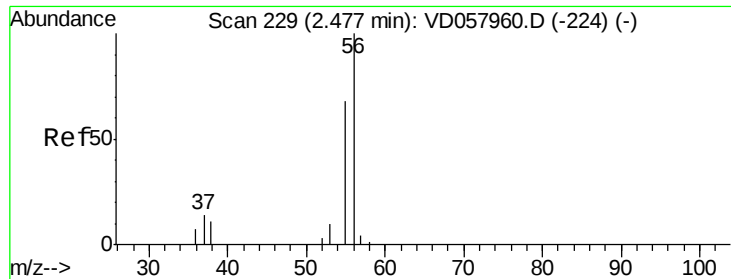


#12

1,1-Dichloroethene
Concen: 22.529 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 96 Resp: 77864
Ion Ratio Lower Upper
96 100
61 238.5 190.2 285.4
98 62.1 49.6 74.4





#13

Acrolein

Concen: 87.052 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

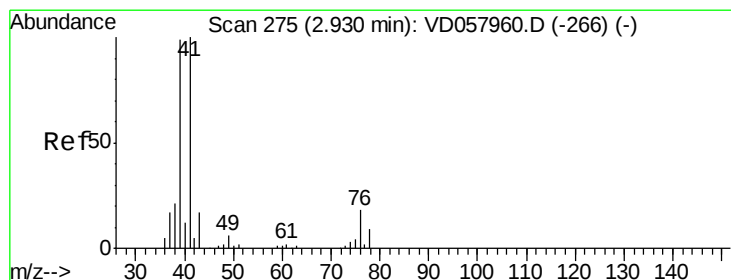
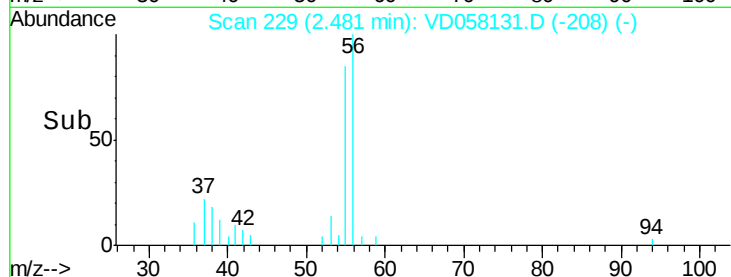
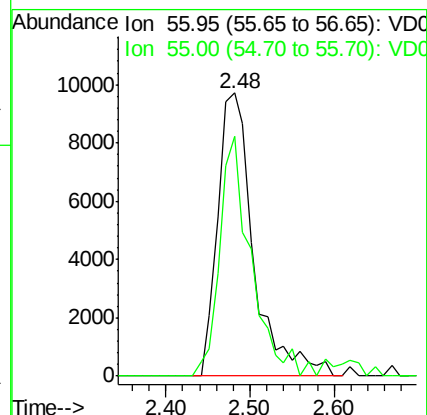
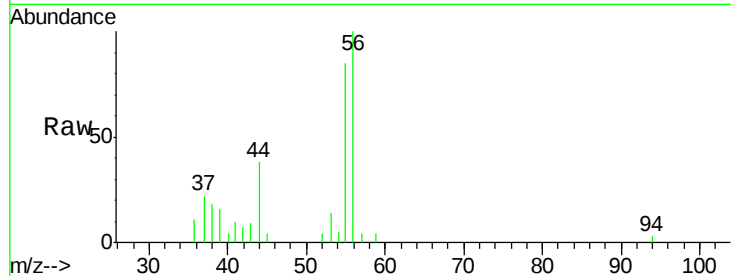
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 28773

Ion Ratio Lower Upper

56 100

55 84.6 54.0 81.0#



#14

Allyl chloride

Concen: 21.470 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

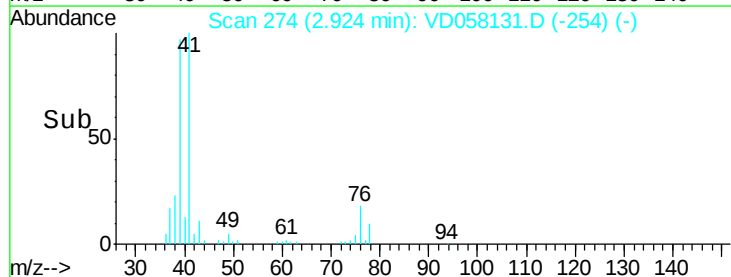
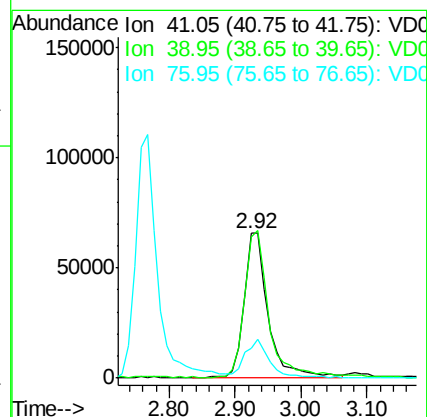
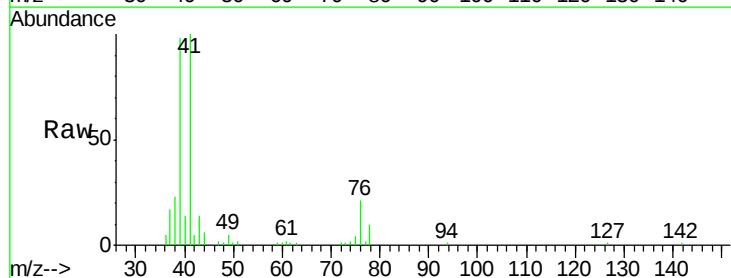
Tgt Ion: 41 Resp: 171174

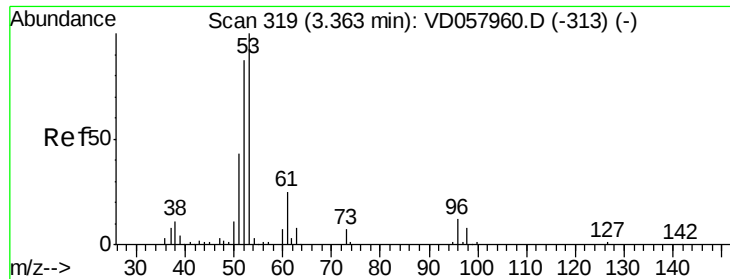
Ion Ratio Lower Upper

41 100

39 97.7 79.5 119.3

76 20.7 20.7 31.1#





#15

Acrylonitrile

Concen: 109.308 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.00 min

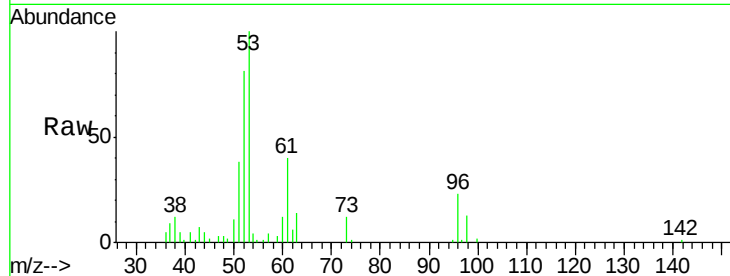
Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

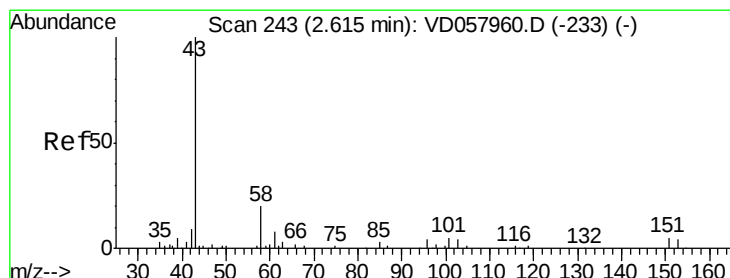
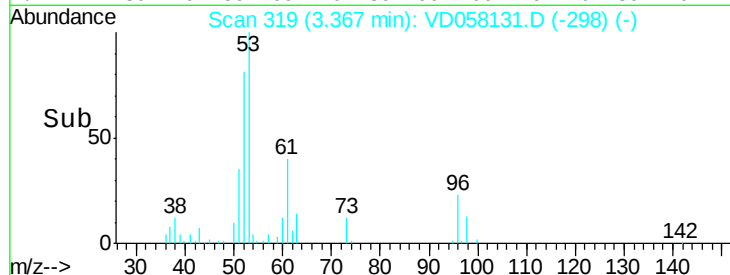
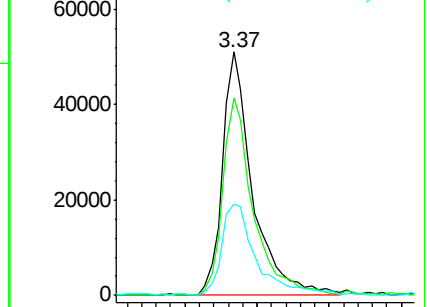
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 53 Resp: 147586

Ion	Ratio	Lower	Upper
53	100		
52	81.0	69.9	104.9
51	37.5	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: 107.576 ug/l

RT: 2.62 min Scan# 243

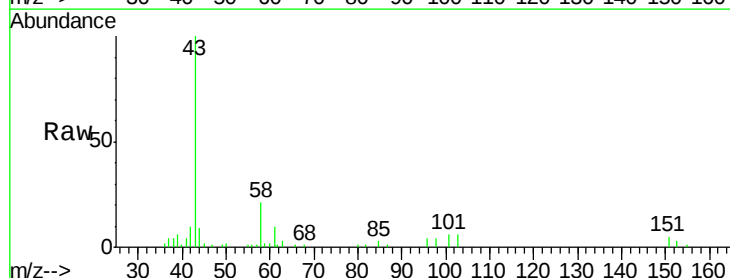
Delta R.T. 0.00 min

Lab File: VD058131.D

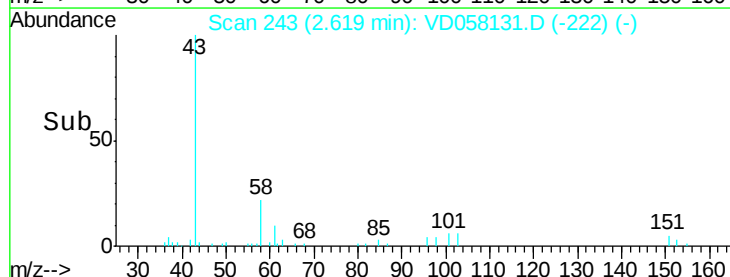
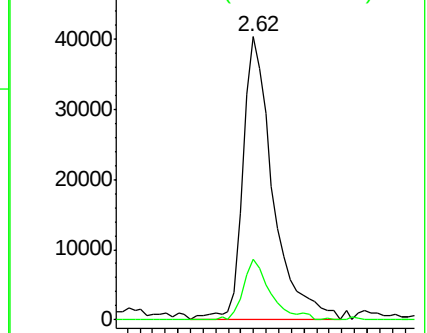
Acq: 14 Jun 2018 13:06

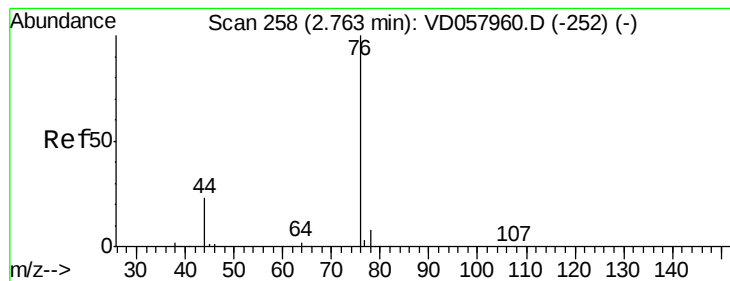
Tgt Ion: 43 Resp: 133528

Ion	Ratio	Lower	Upper
43	100		
58	21.2	15.8	23.8



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





#17

Carbon Disulfide

Concen: 20.540 ug/l

RT: 2.77 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

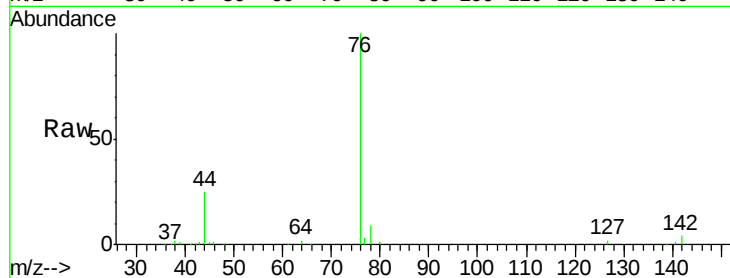
ClientSampleId :

Tot Ion: 76 Resp: 257176

Ion Ratio Lower Upper

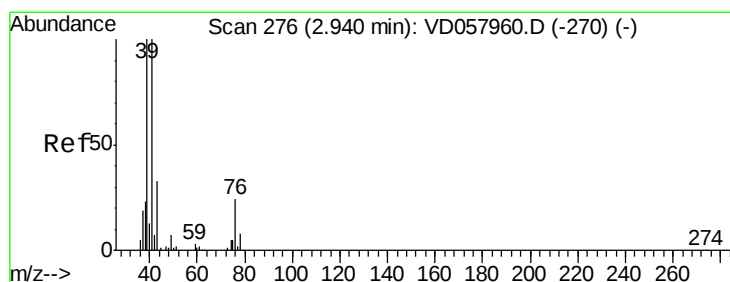
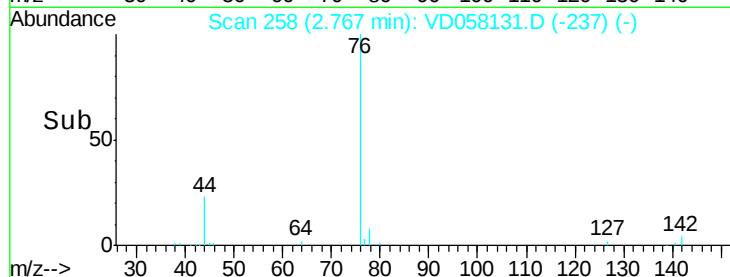
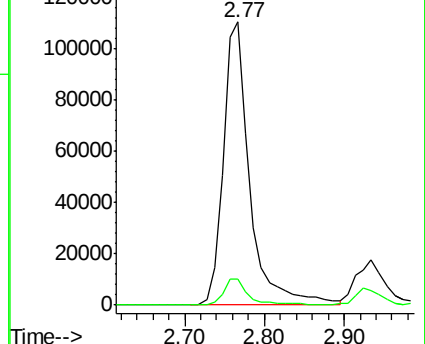
76 100

78 9.1 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.466 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD058131.D

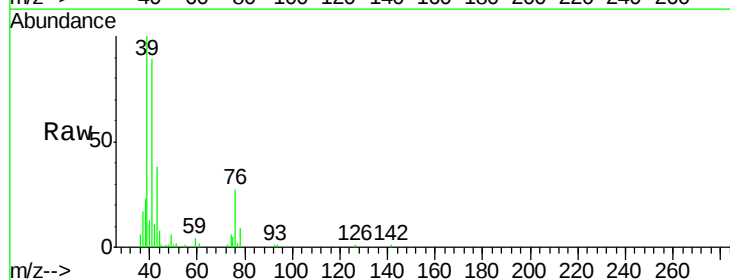
Acq: 14 Jun 2018 13:06

Tgt Ion: 43 Resp: 49141

Ion Ratio Lower Upper

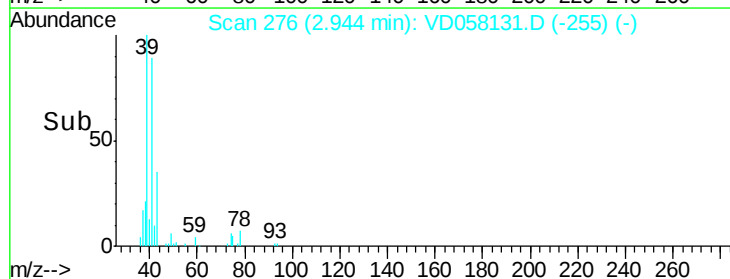
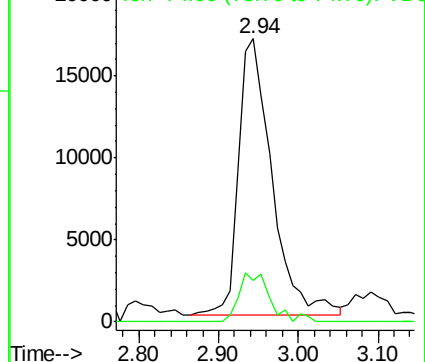
43 100

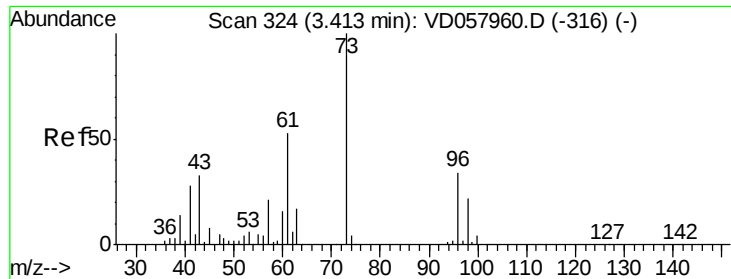
74 14.6 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

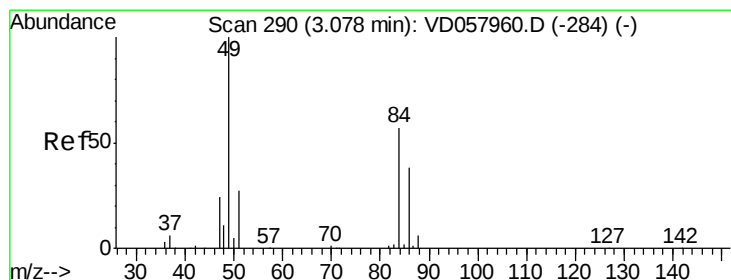
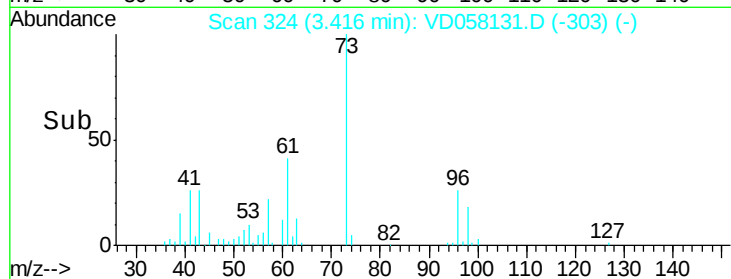
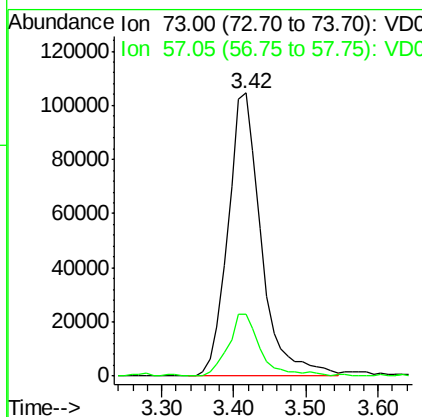
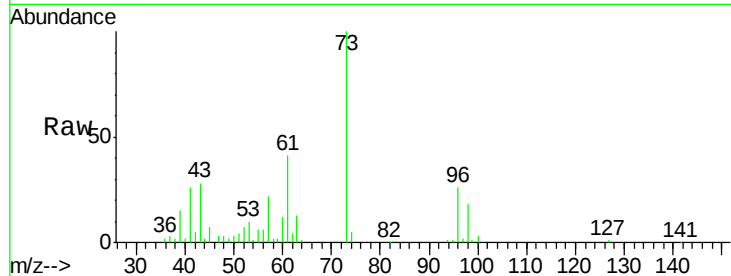




#19
Methvl tert-butvl Ether
Concen: 22.091 ug/l
RT: 3.42 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

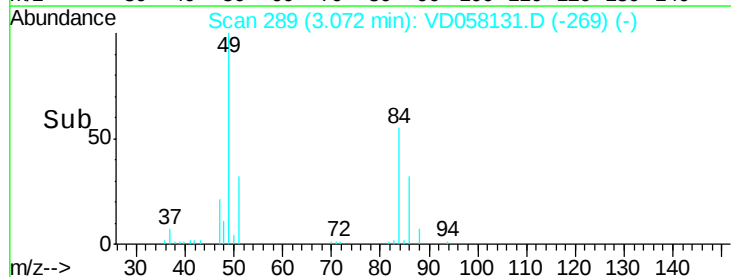
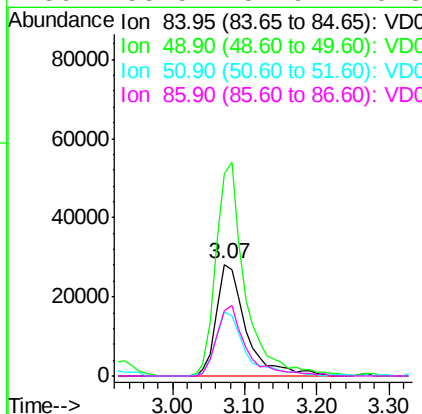
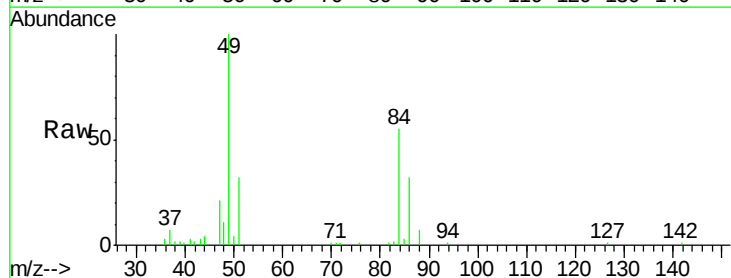
Instrument :
MSVOA_D
ClientSampleId :

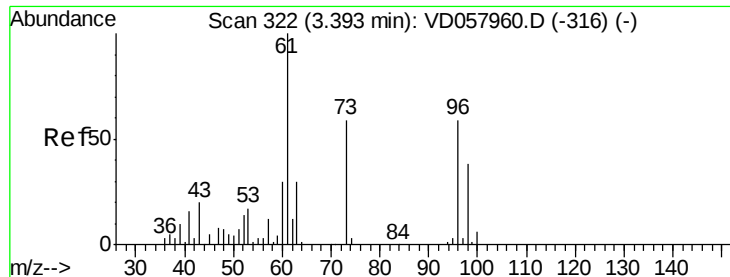
Tot Ion: 73 Resp: 335958
Ion Ratio Lower Upper
73 100
57 21.8 16.7 25.1



#20
Methylene Chloride
Concen: 22.024 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 84 Resp: 79796
Ion Ratio Lower Upper
84 100
49 181.0 141.4 212.0
51 57.3 38.3 57.5
86 58.5 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 22.298 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampleId :

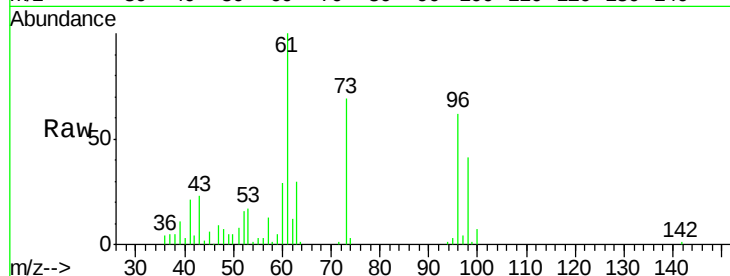
Tot Ion: 96 Resp: 171650

Ion Ratio Lower Upper

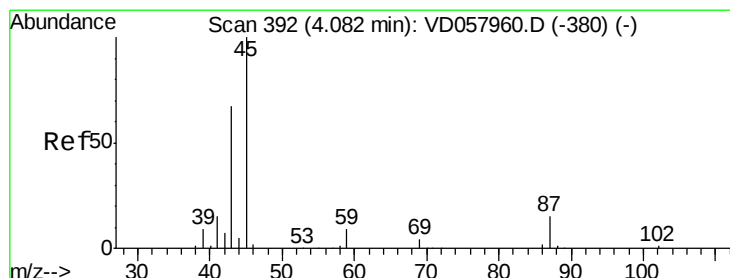
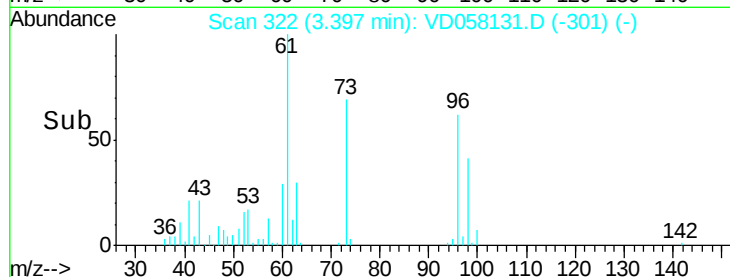
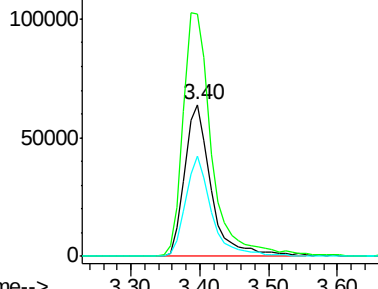
96 100

61 160.1 135.2 202.8

98 66.4 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: 20.860 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Tgt Ion: 45 Resp: 658870

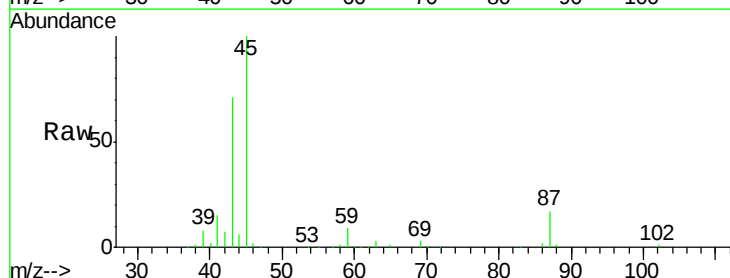
Ion Ratio Lower Upper

45 100

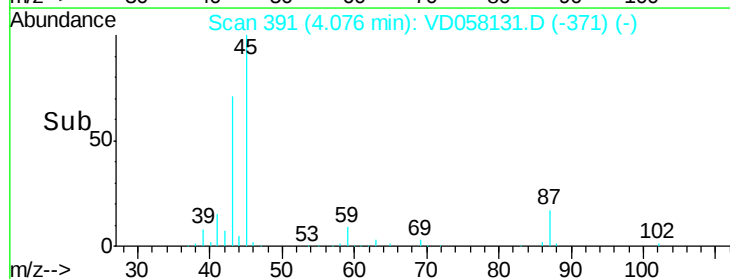
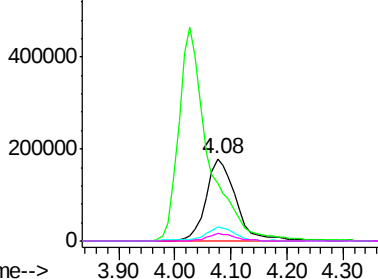
43 70.7 53.8 80.8

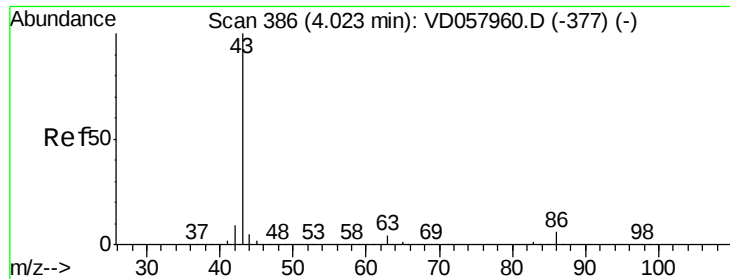
87 17.1 12.5 18.7

59 8.9 7.3 10.9



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

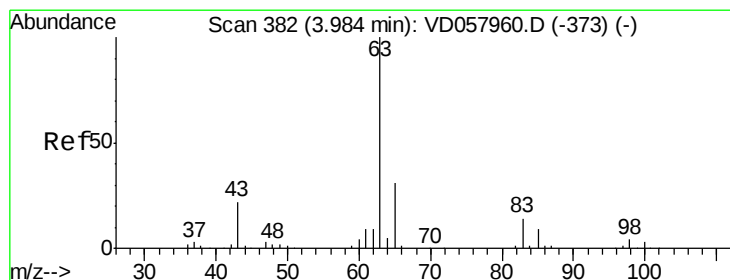
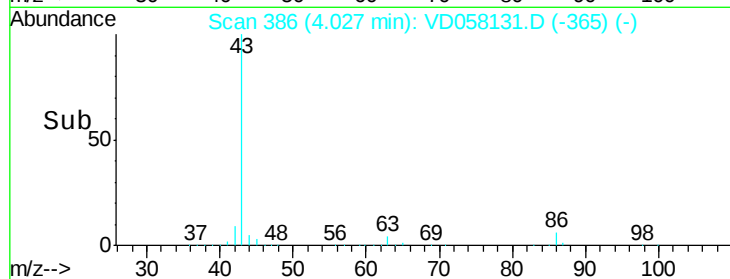
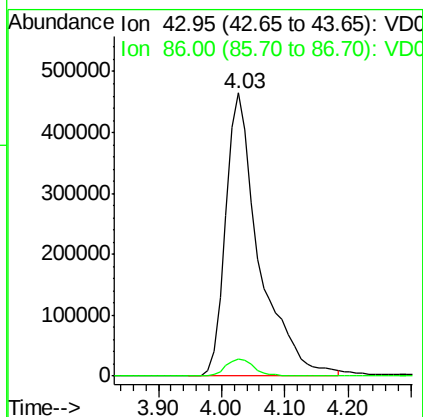
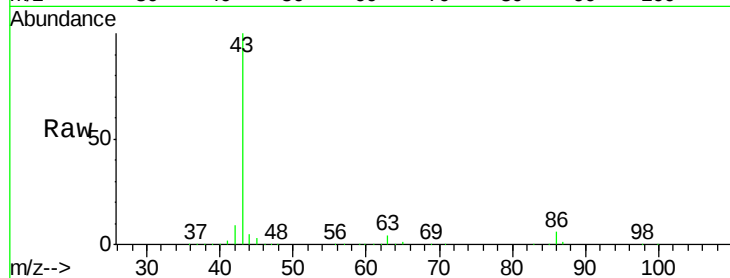




#23
 Vinyl Acetate
 Concen: 104.756 ug/l
 RT: 4.03 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

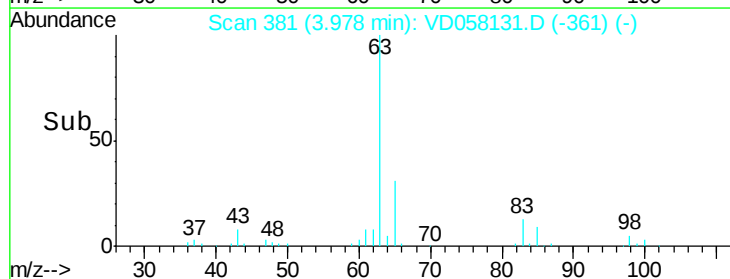
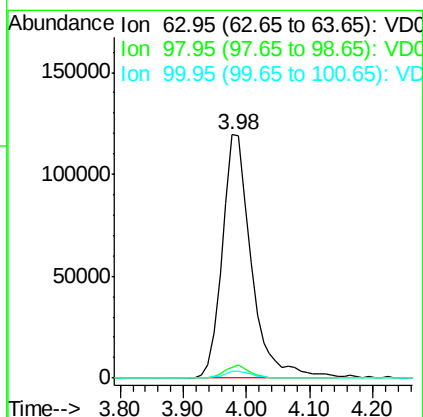
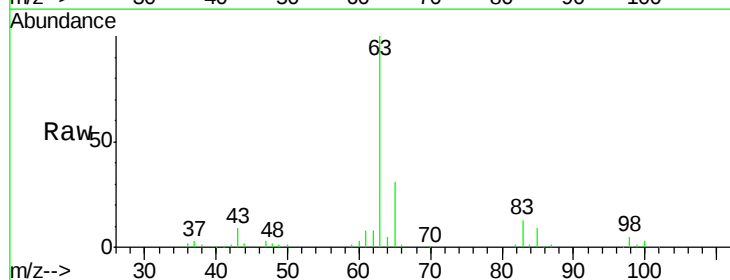
Instrument :
 MSVOA_D
 ClientSampled :

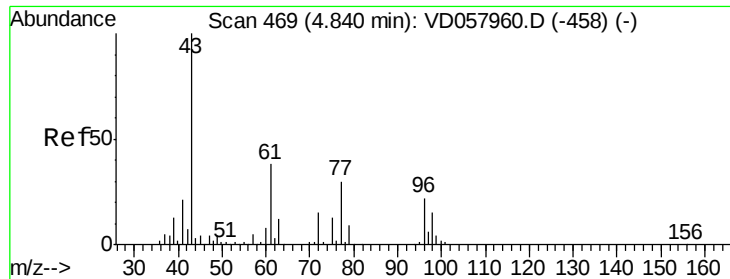
Tot Ion: 43 Resp: 1709588
 Ion Ratio Lower Upper
 43 100
 86 6.1 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 22.033 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Tgt Ion: 63 Resp: 382473
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.0 5.8
 100 2.9 1.4 4.2





#25

2-Butanone

Concen: 99.384 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

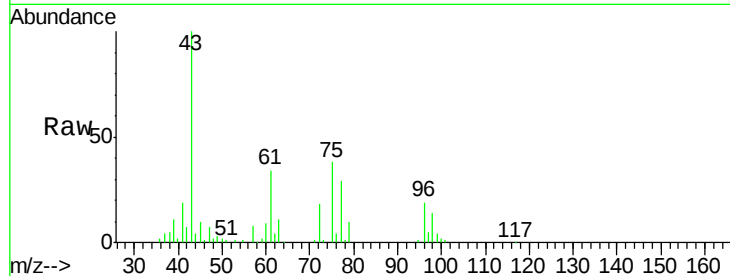
ClientSampled :

Tot Ion: 43 Resp: 280350

Ion Ratio Lower Upper

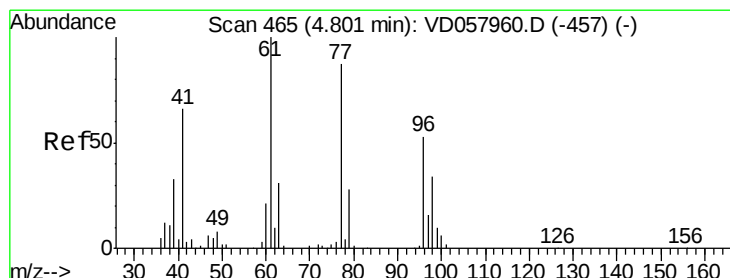
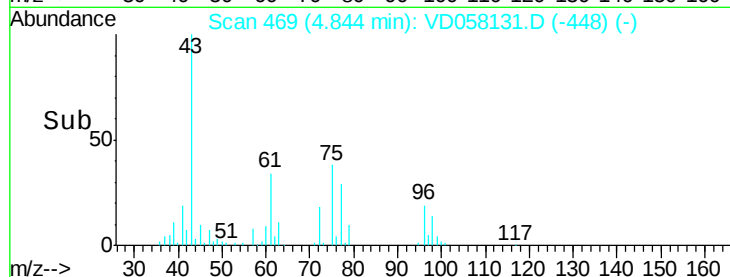
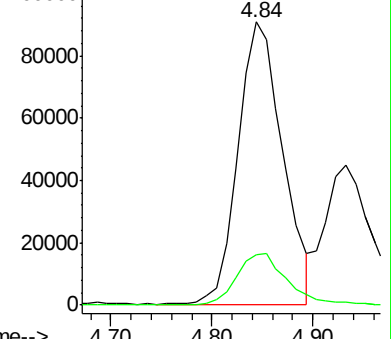
43 100

72 18.0 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.834 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD058131.D

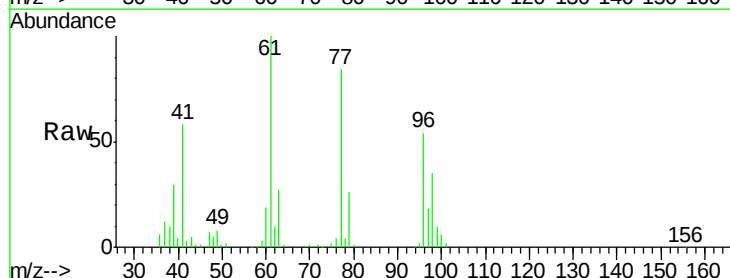
Acq: 14 Jun 2018 13:06

Tgt Ion: 77 Resp: 326526

Ion Ratio Lower Upper

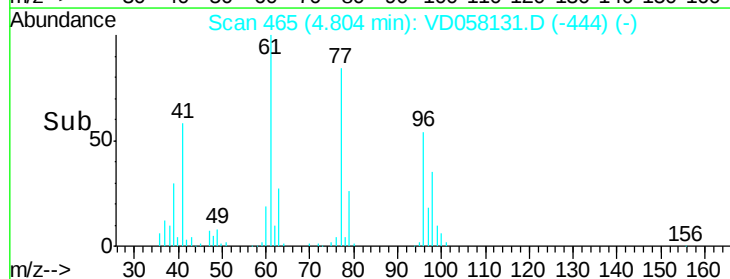
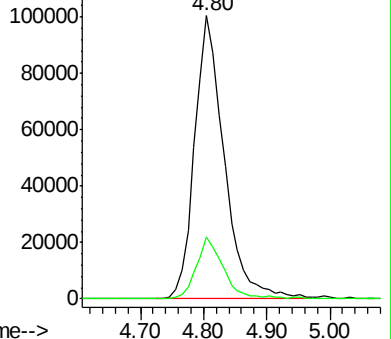
77 100

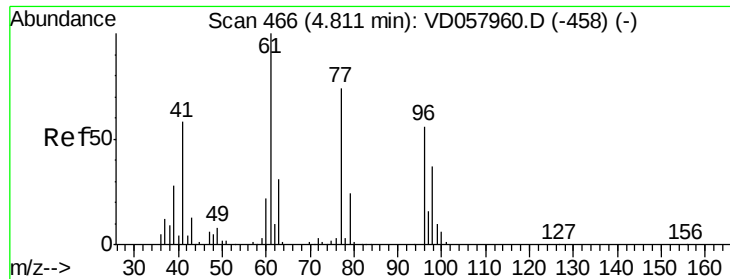
97 21.8 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



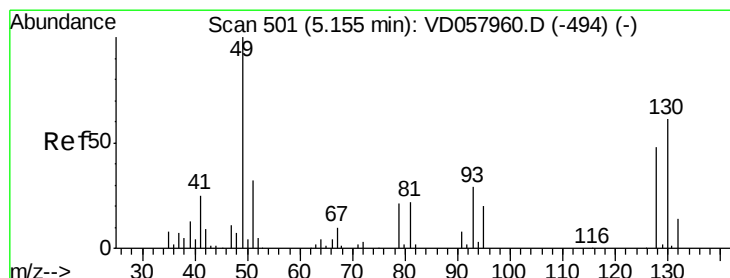
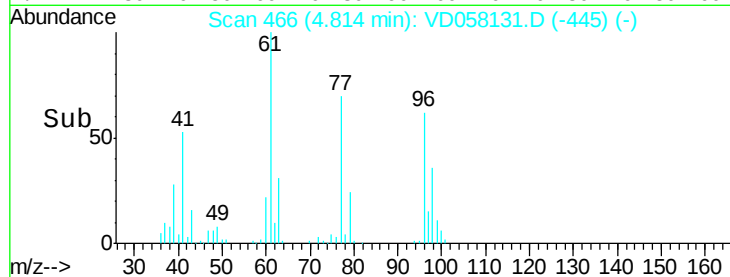
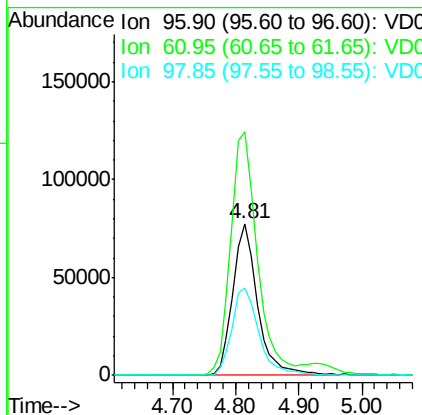
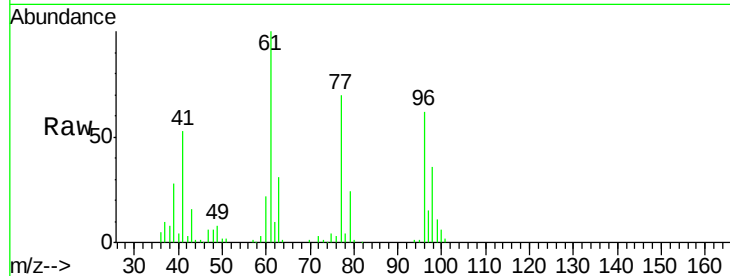


#27

cis-1,2-Dichloroethene
Concen: 23.102 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampled :

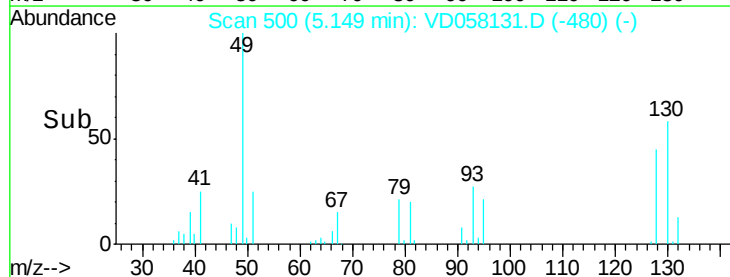
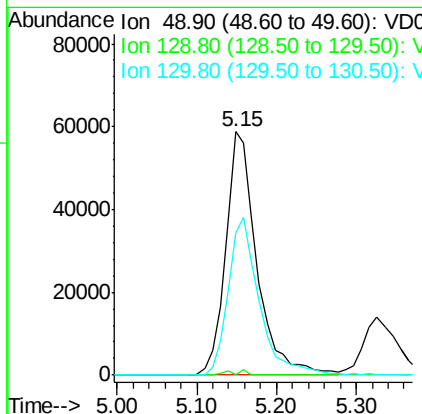
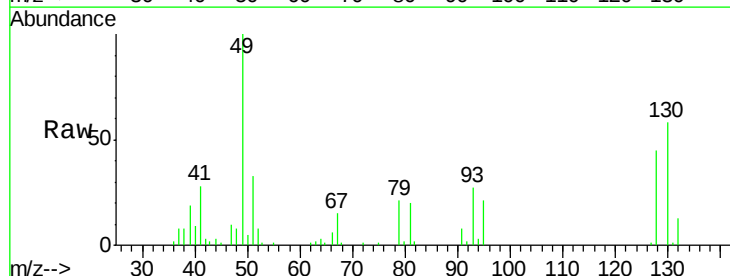
Tot Ion	96	Resp	210926
Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	355.0
98	57.8	0.0	129.6

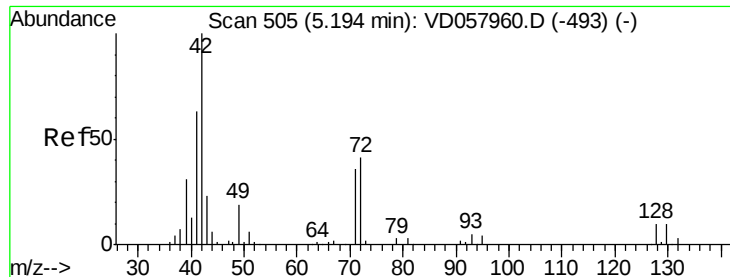


#28

Bromochloromethane
Concen: 21.350 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion	49	Resp	160407
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	58.3	48.8	73.2

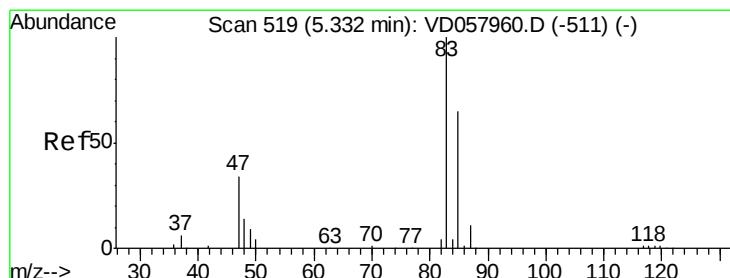
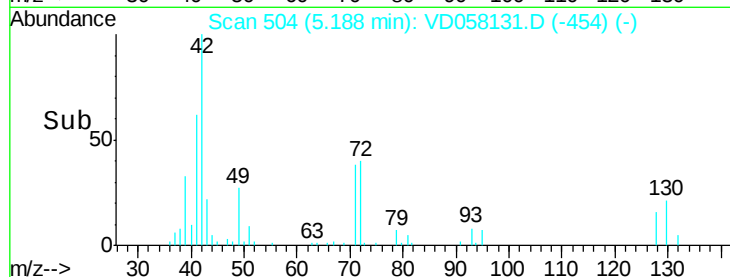
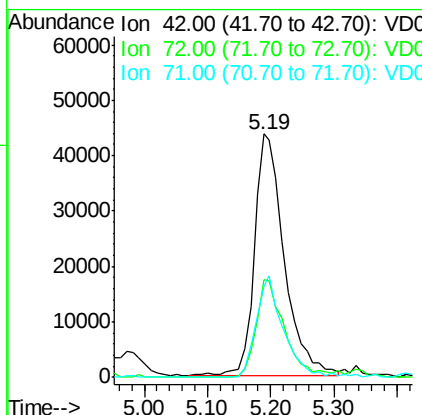
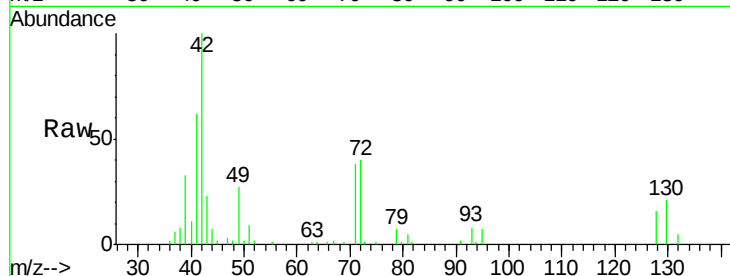




#29
Tetrahydrofuran
Concen: 97.049 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

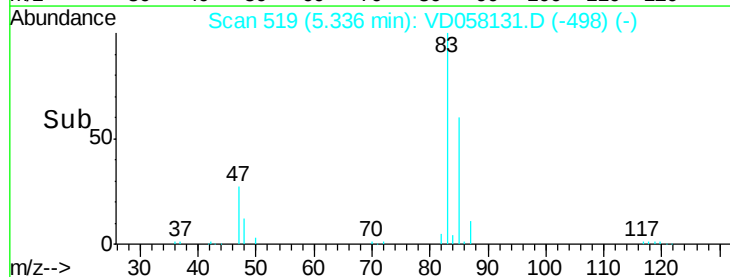
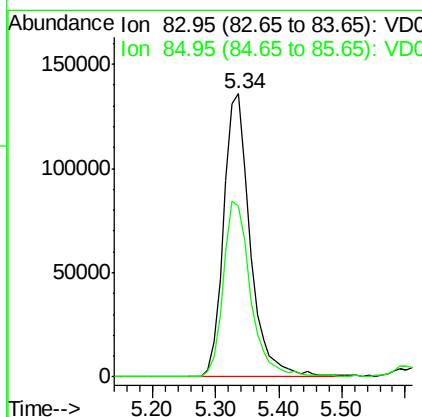
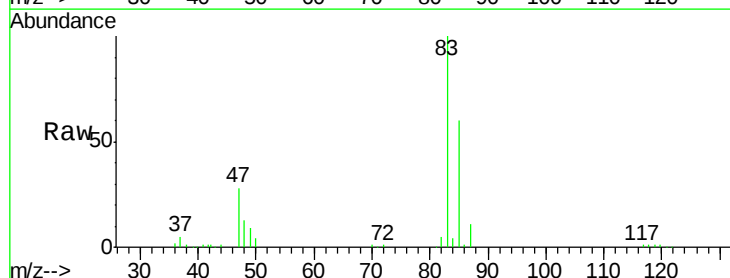
Instrument :
MSVOA_D
ClientSampled :

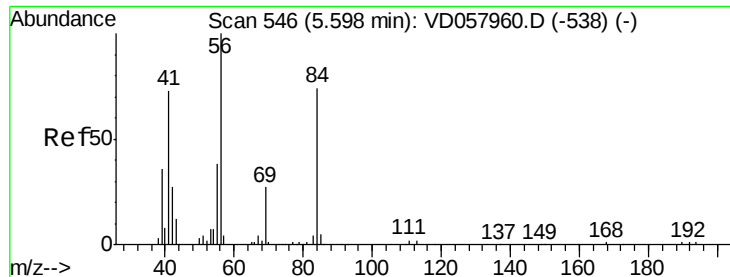
Tot Ion: 42 Resp: 143508
Ion Ratio Lower Upper
42 100
72 39.0 28.5 42.7
71 39.0 27.9 41.9



#30
Chloroform
Concen: 22.705 ug/l
RT: 5.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 83 Resp: 396670
Ion Ratio Lower Upper
83 100
85 60.2 51.6 77.4

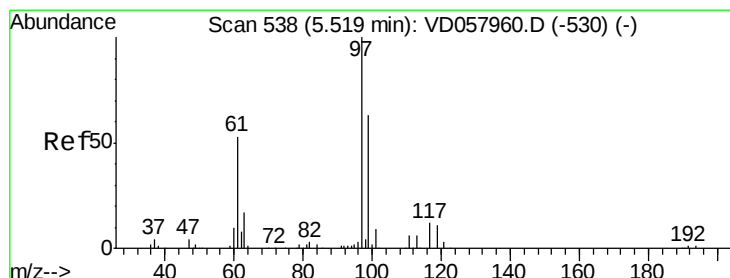
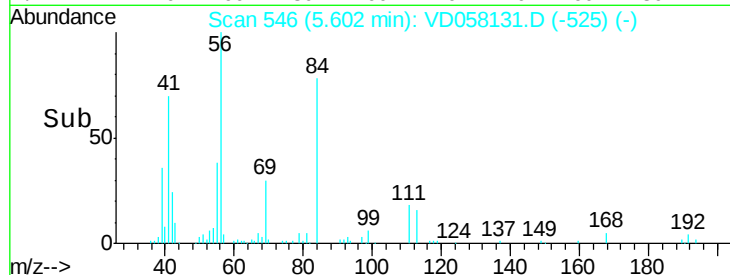
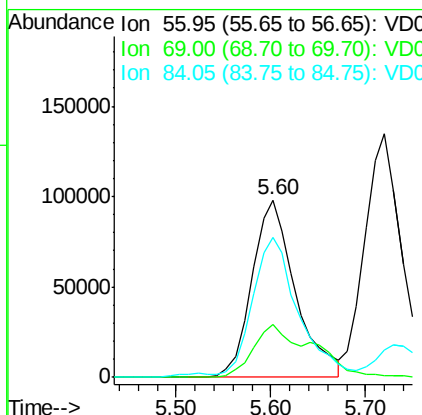
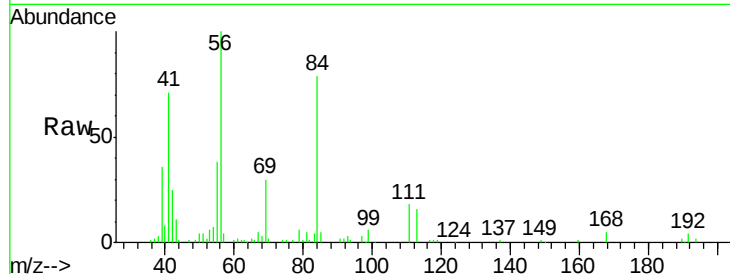




#31
Cyclohexane
Concen: 20.845 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

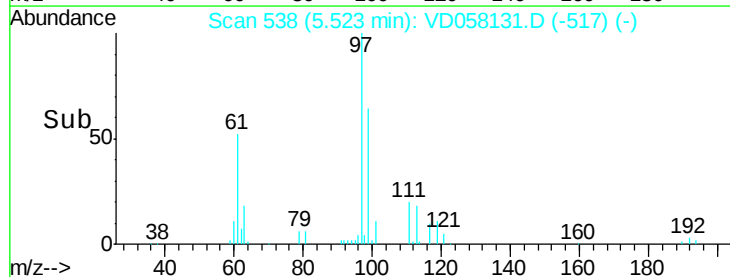
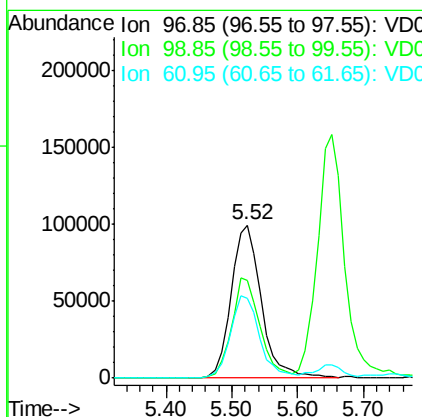
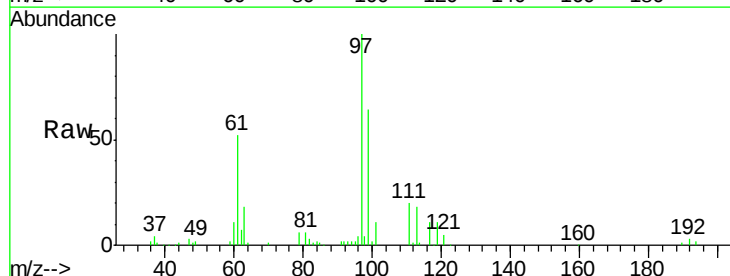
Instrument :
MSVOA_D
ClientSampleId :

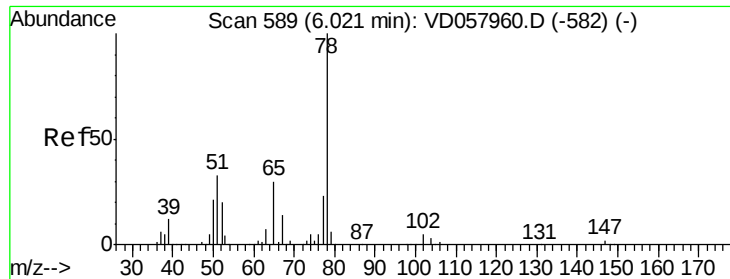
Tot Ion: 56 Resp: 312275
Ion Ratio Lower Upper
56 100
69 29.6 21.5 32.3
84 78.9 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 21.858 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 97 Resp: 319735
Ion Ratio Lower Upper
97 100
99 63.8 50.1 75.1
61 52.5 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 21.858 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

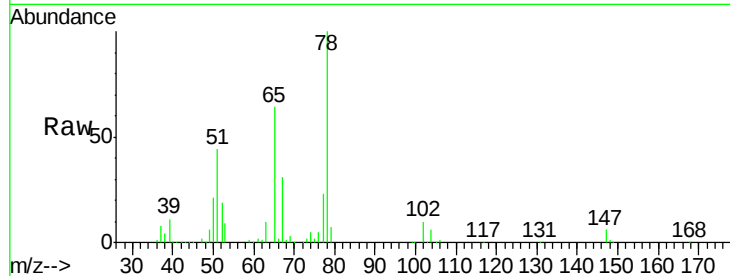
ClientSampleId :

Tot Ion: 65 Resp: 401902

Ion Ratio Lower Upper

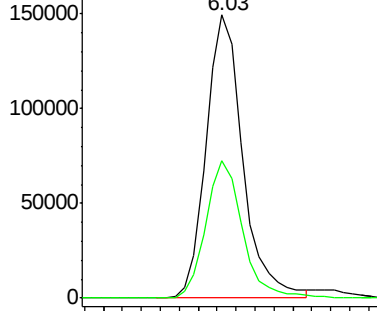
65 100

67 48.5 0.0 94.0

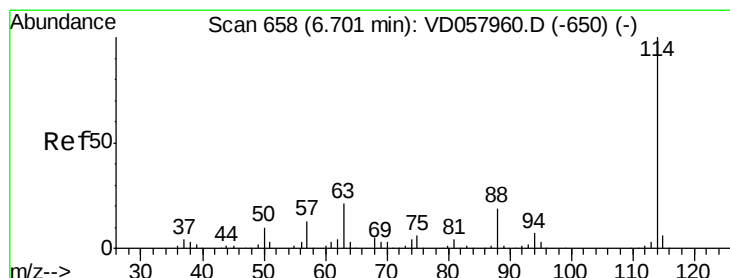
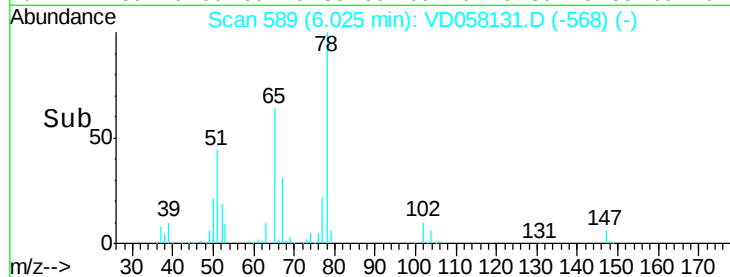


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

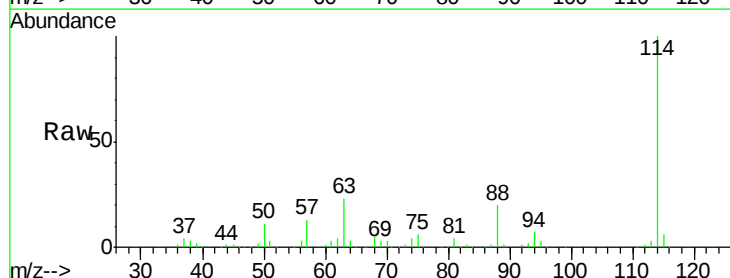
Tgt Ion: 114 Resp: 1061303

Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.8

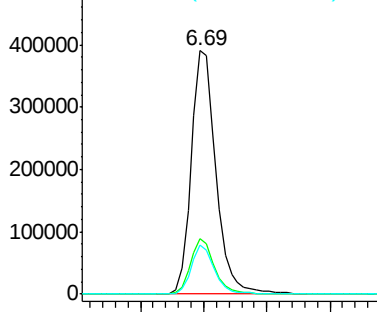
88 20.3 0.0 37.8



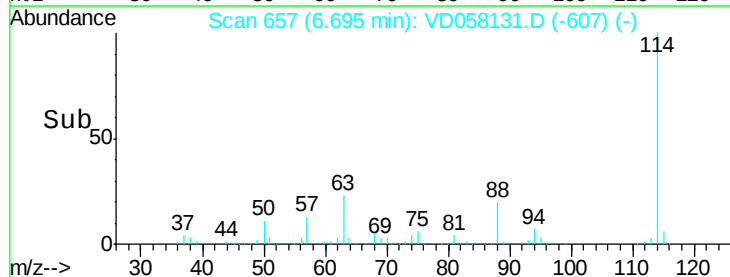
Abundance Ion 114.00 (113.70 to 114.70): V

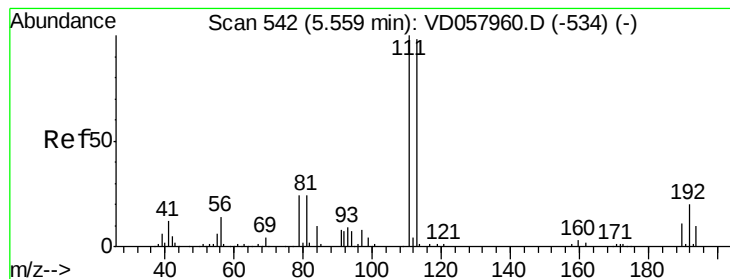
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampleId :

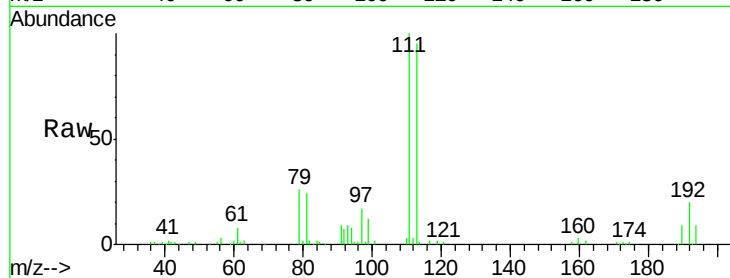
Tot Ion:113 Resp: 430414

Ion Ratio Lower Upper

113 100

111 105.8 81.5 122.3

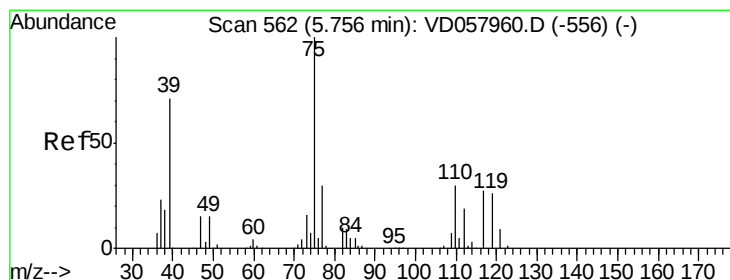
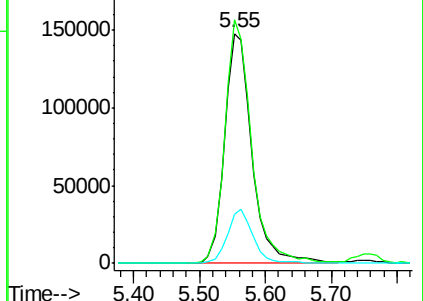
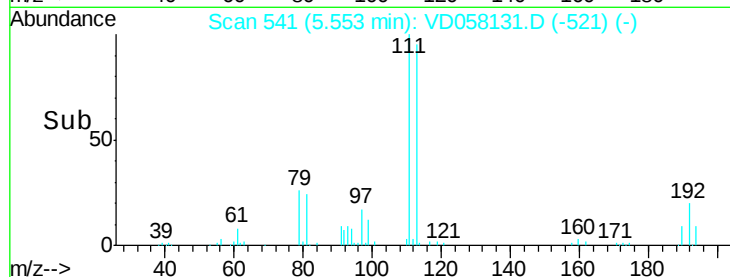
192 21.2 16.4 24.6



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: 24.789 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

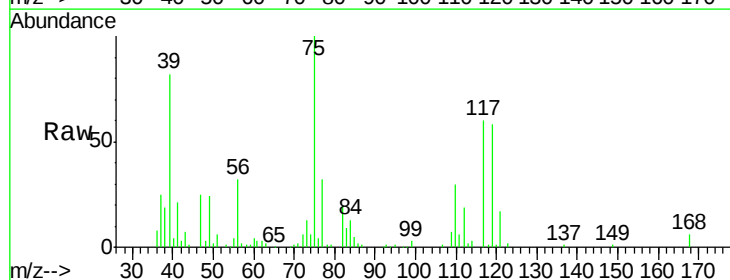
Tgt Ion: 75 Resp: 289857

Ion Ratio Lower Upper

75 100

110 29.7 14.8 44.3

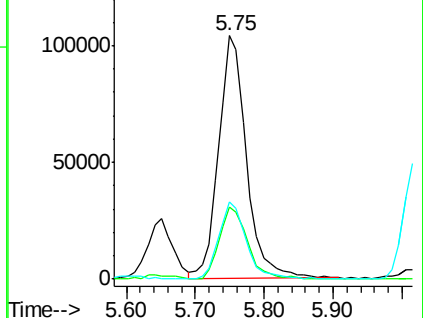
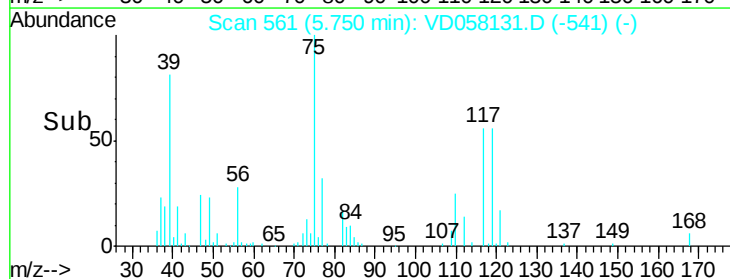
77 31.8 23.9 35.9

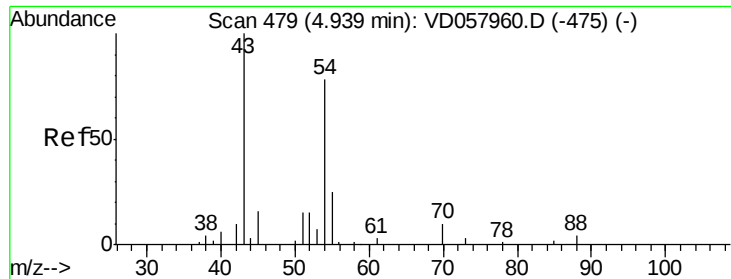


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

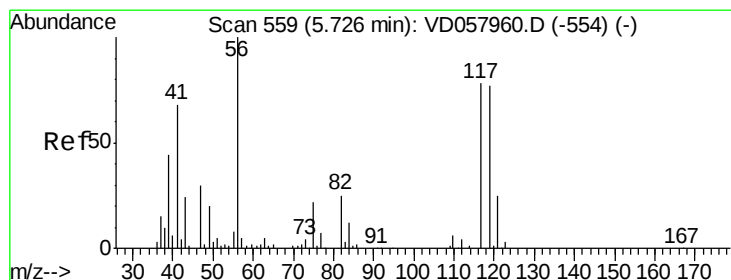
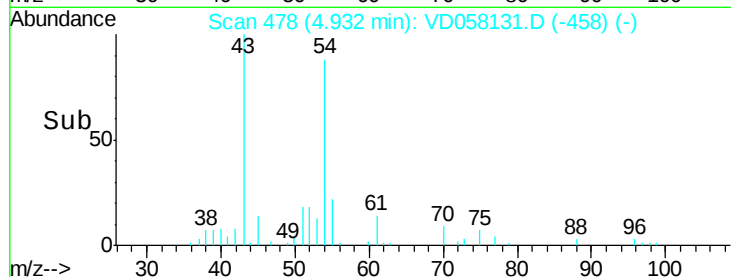
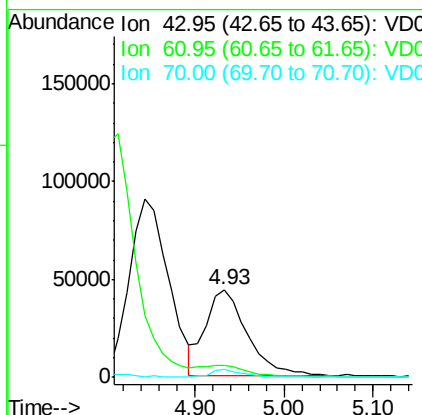
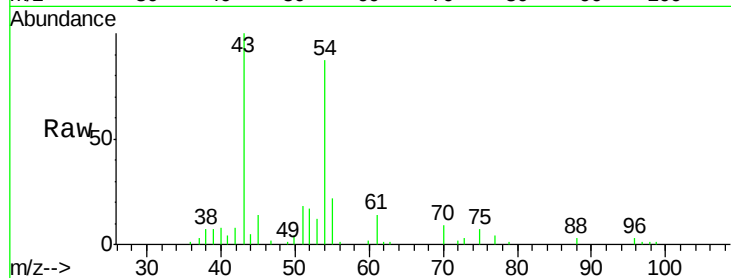




#37
Ethyl Acetate
Concen: 22.763 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

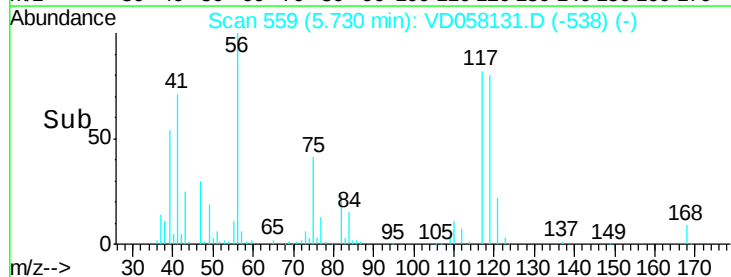
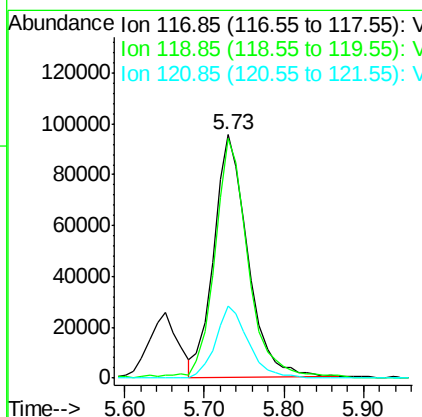
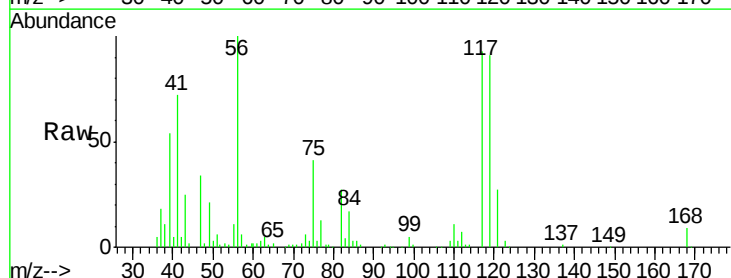
Instrument :
MSVOA_D
ClientSampleId :

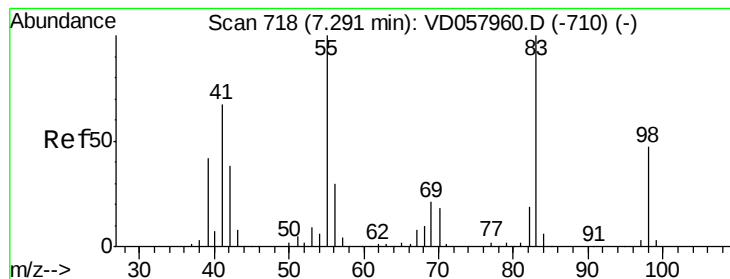
Tot Ion: 43 Resp: 145231
Ion Ratio Lower Upper
43 100
61 14.0 9.9 14.9
70 9.2 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 24.662 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 117 Resp: 284195
Ion Ratio Lower Upper
117 100
119 98.5 76.1 114.1
121 29.5 24.9 37.3





#39

Methvlcvclohexane

Concen: 23.834 ug/l

RT: 7.29 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampleId :

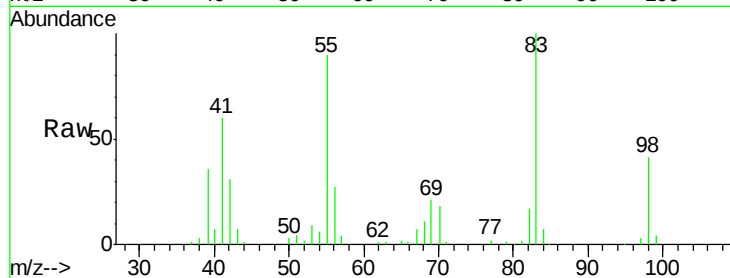
Tot Ion: 83 Resp: 276264

Ion Ratio Lower Upper

83 100

55 90.4 80.3 120.5

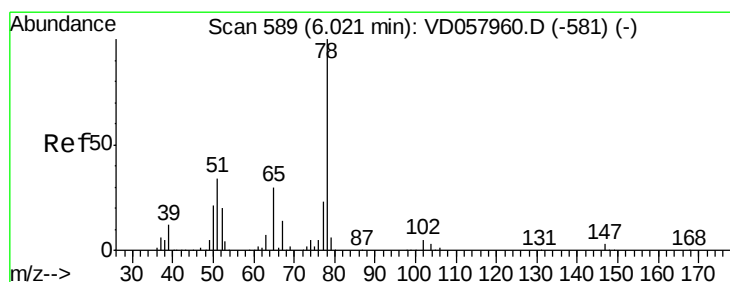
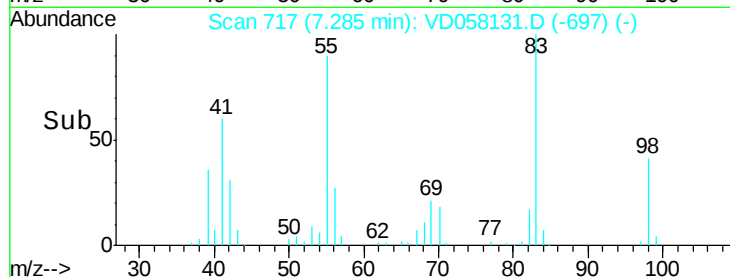
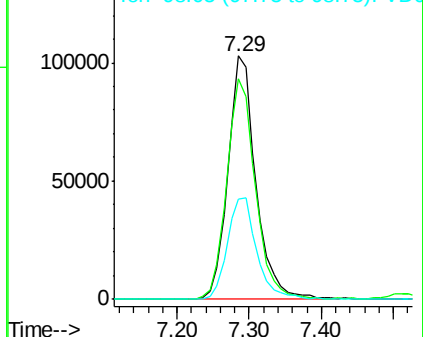
98 41.0 38.0 57.0



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: 24.314 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD058131.D

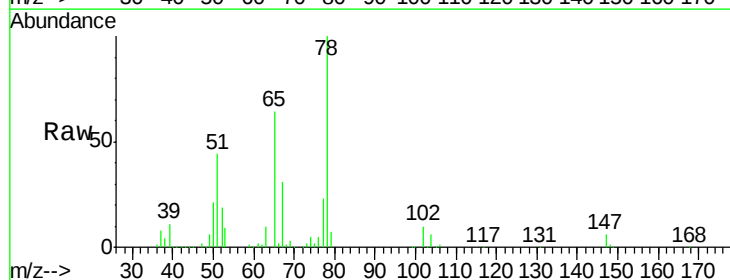
Acq: 14 Jun 2018 13:06

Tgt Ion: 78 Resp: 664133

Ion Ratio Lower Upper

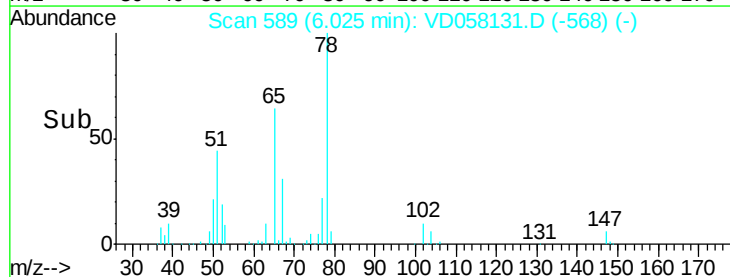
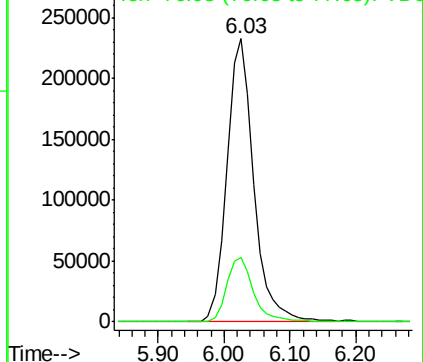
78 100

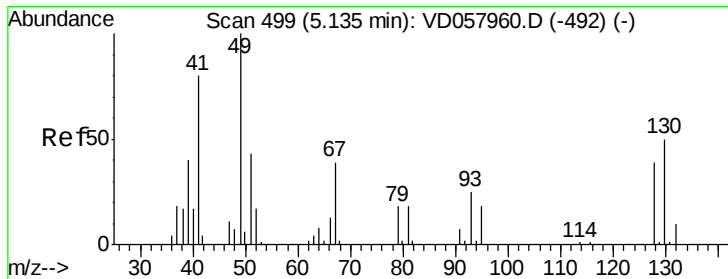
77 22.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 22.256 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 64926

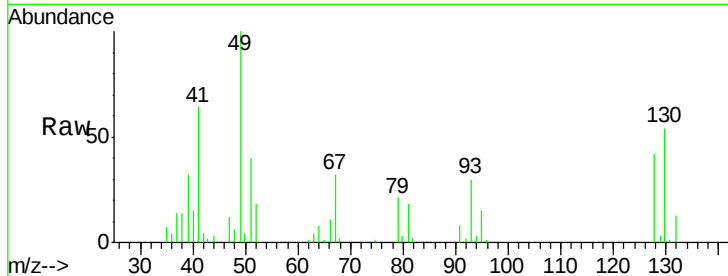
Ion Ratio Lower Upper

41 100

39 50.5 40.7 61.1

67 49.5 38.8 58.2

52 27.6 17.3 25.9#

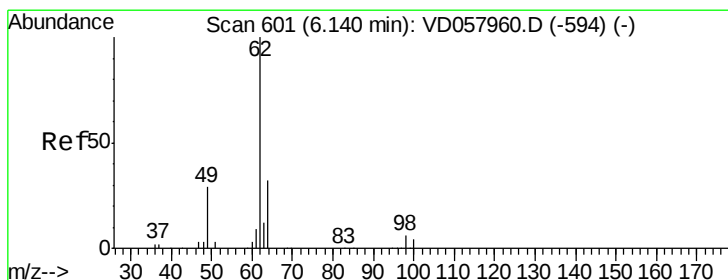
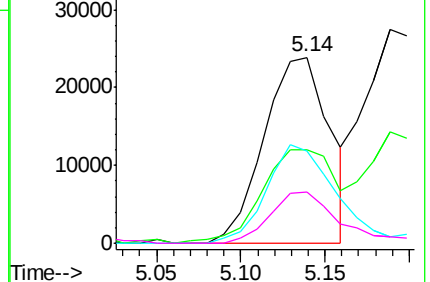
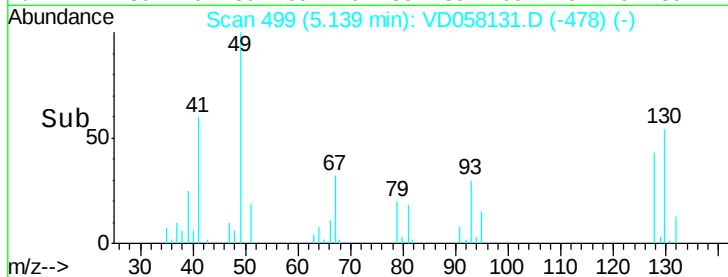


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.228 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD058131.D

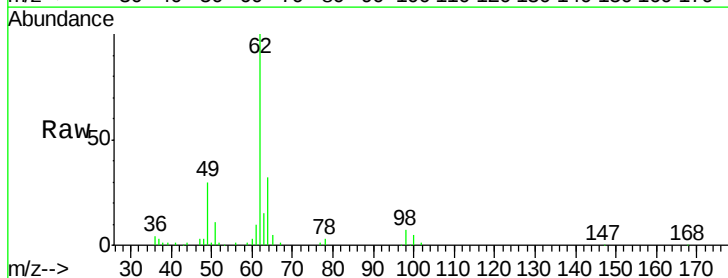
Acq: 14 Jun 2018 13:06

Tgt Ion: 62 Resp: 256530

Ion Ratio Lower Upper

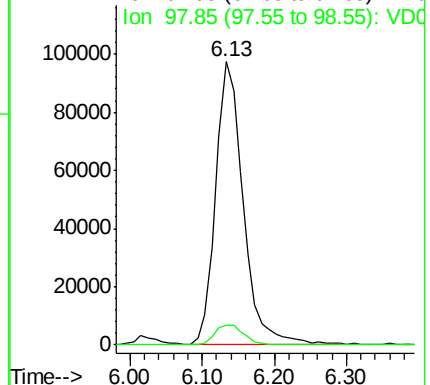
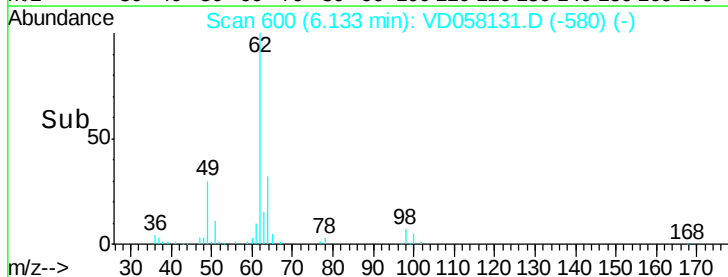
62 100

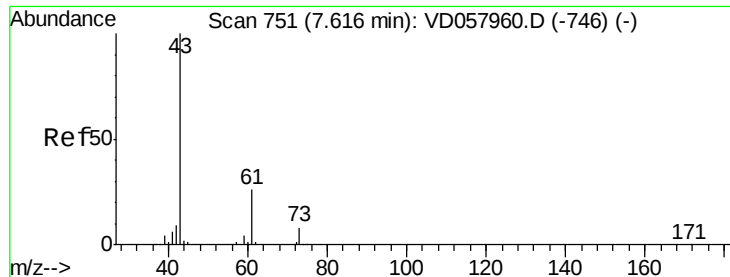
98 6.8 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



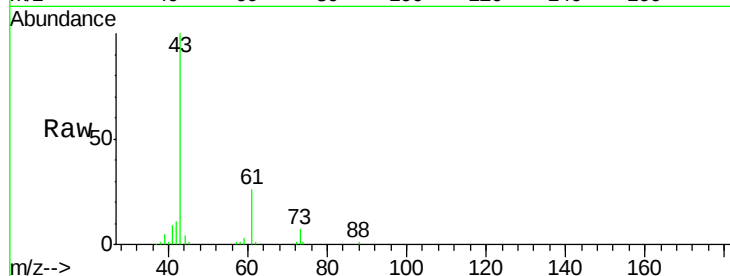


#43

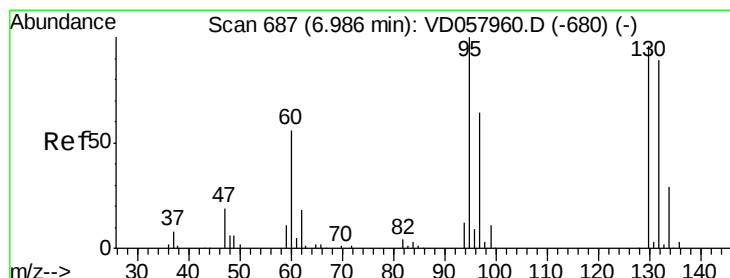
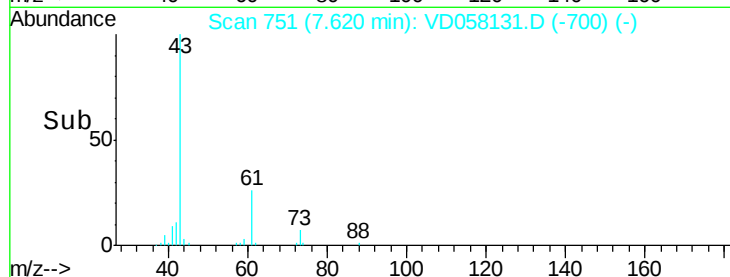
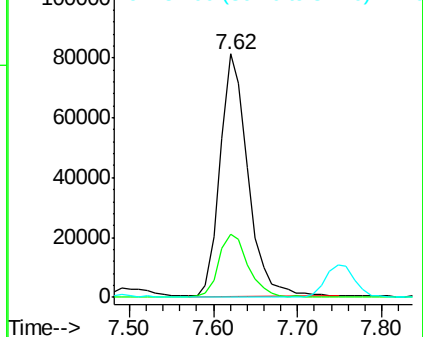
Isopropyl Acetate
 Concen: 22.308 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 186423
 Ion Ratio Lower Upper
 43 100
 61 26.1 20.6 30.8
 87 0.0 0.2 0.4#



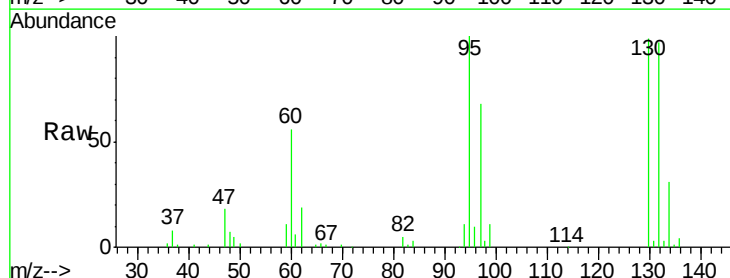
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



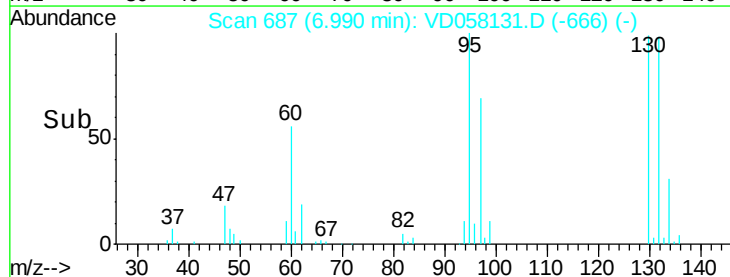
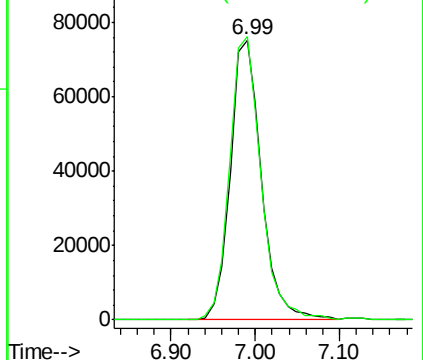
#44

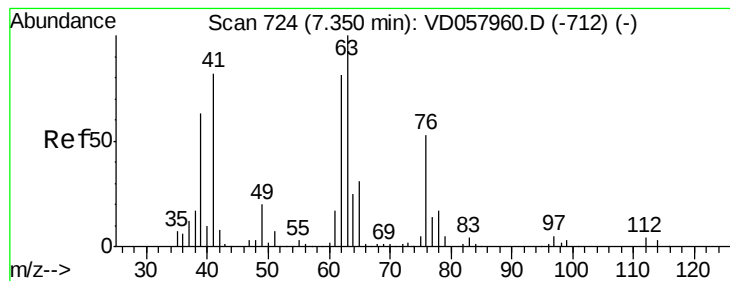
Trichloroethene
 Concen: 24.132 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Tgt Ion: 130 Resp: 192541
 Ion Ratio Lower Upper
 130 100
 95 101.1 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 23.930 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

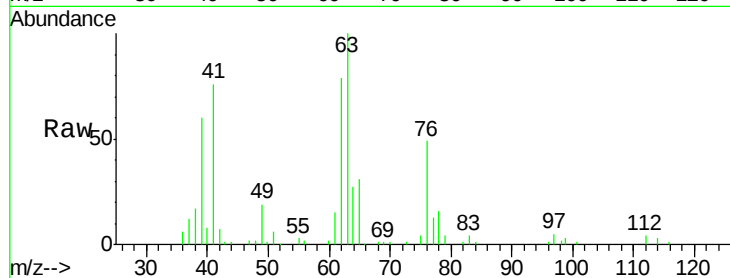
ClientSampled :

Tot Ion: 63 Resp: 181667

Ion Ratio Lower Upper

63 100

65 31.0 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

80000

60000

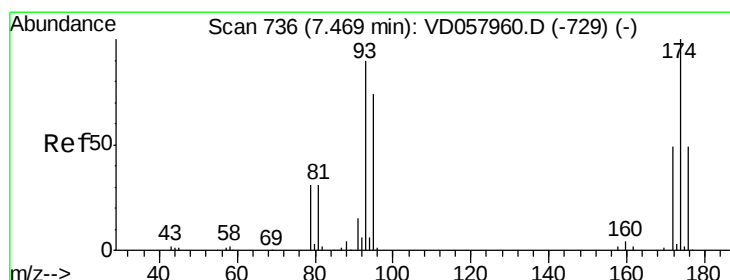
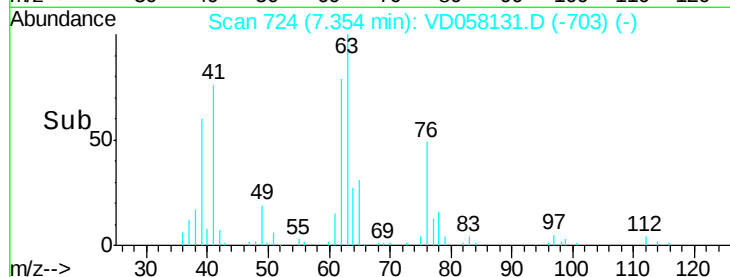
40000

20000

0

7.20 7.30 7.40 7.50

Time-->



#46

Dibromomethane

Concen: 24.165 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

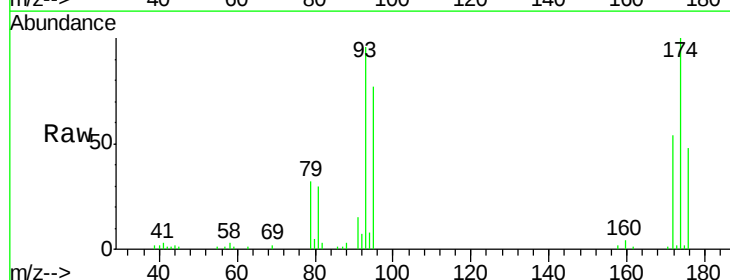
Tgt Ion: 93 Resp: 117850

Ion Ratio Lower Upper

93 100

95 80.5 65.7 98.5

174 103.9 89.0 133.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

7.47

60000

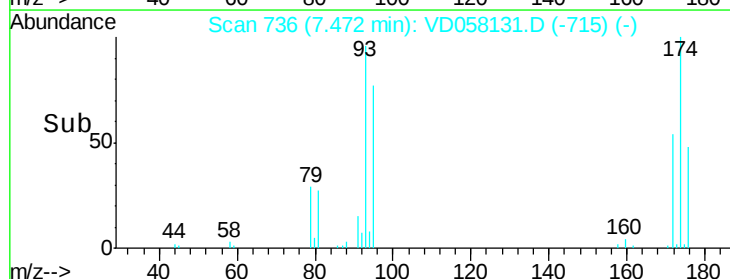
40000

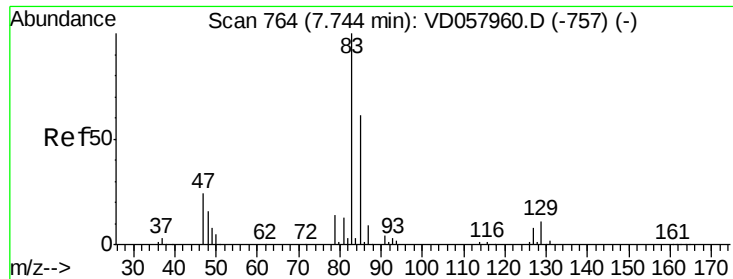
20000

0

7.40 7.50 7.60

Time-->





#47

Bromodichloromethane

Concen: 22.827 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampleId :

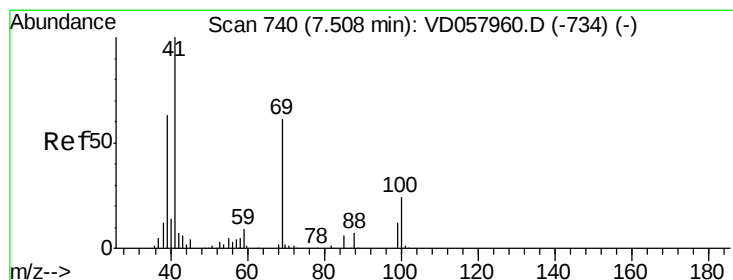
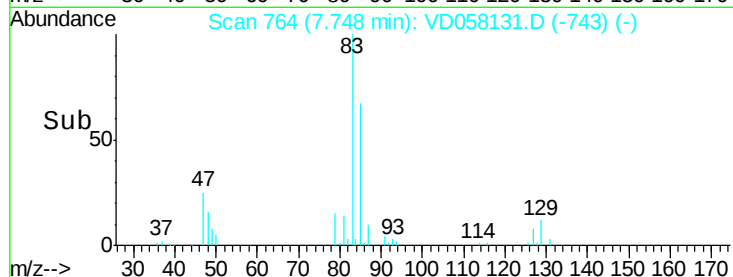
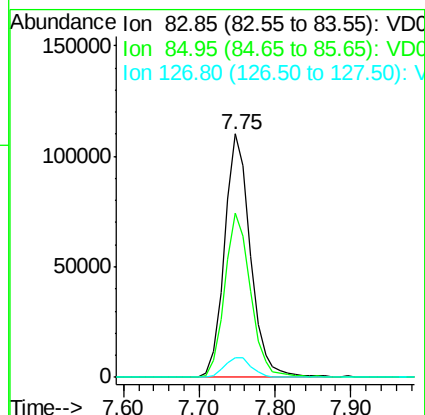
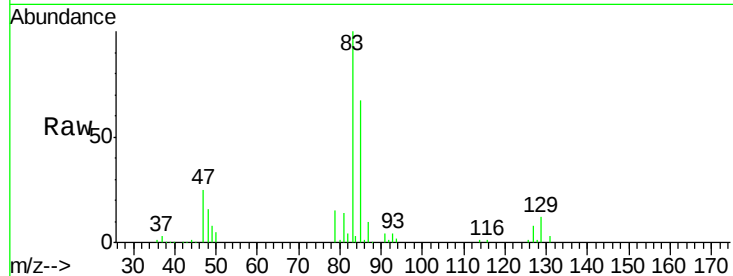
Tot Ion: 83 Resp: 260660

Ion Ratio Lower Upper

83 100

85 67.3 49.1 73.7

127 8.3 6.2 9.2



#48

Methyl methacrylate

Concen: 20.763 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

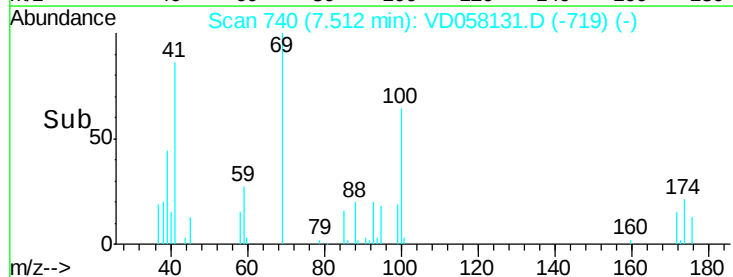
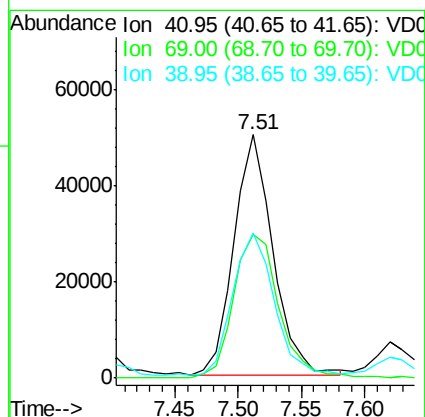
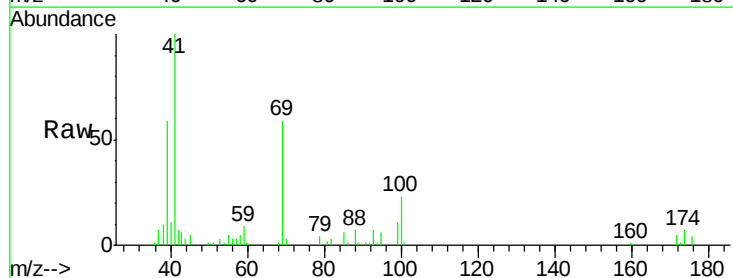
Tgt Ion: 41 Resp: 106798

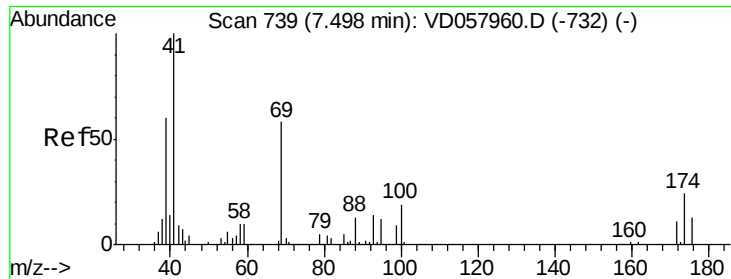
Ion Ratio Lower Upper

41 100

69 59.2 48.0 72.0

39 59.4 50.7 76.1





#49

1,4-Dioxane

Concen: 431.109 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

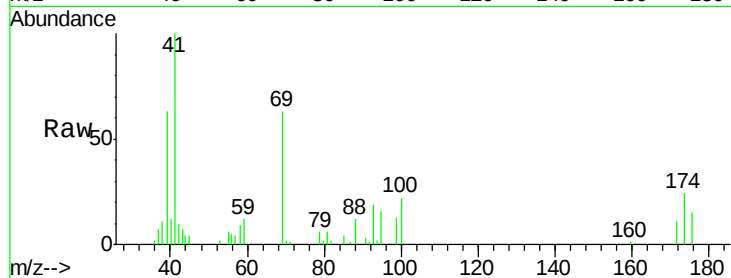
Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 18370

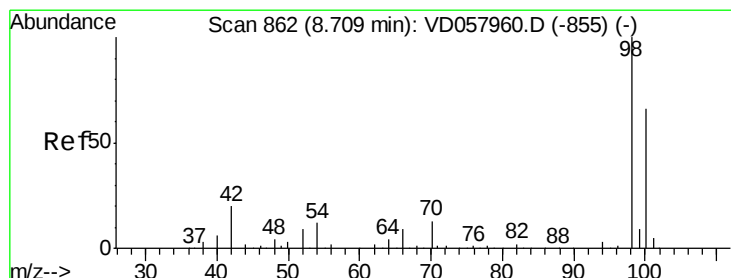
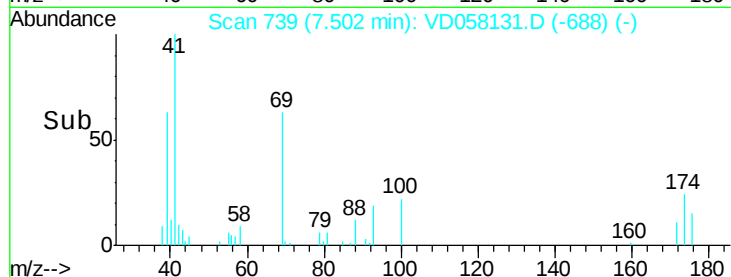
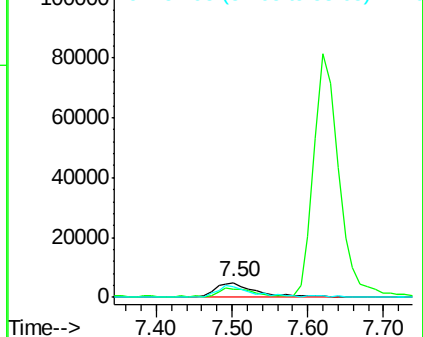
Ion	Ratio	Lower	Upper
88	100		
43	55.4	46.6	69.8
58	72.7	63.6	95.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 431.109 ug/l

RT: 8.71 min Scan# 862

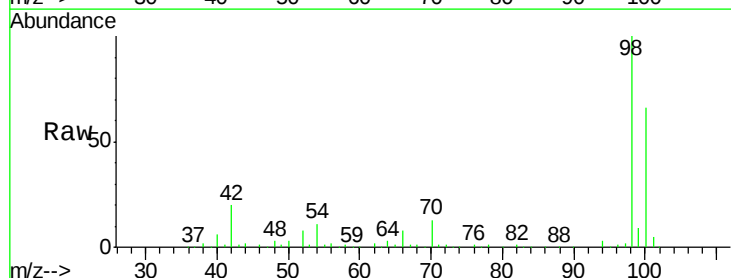
Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

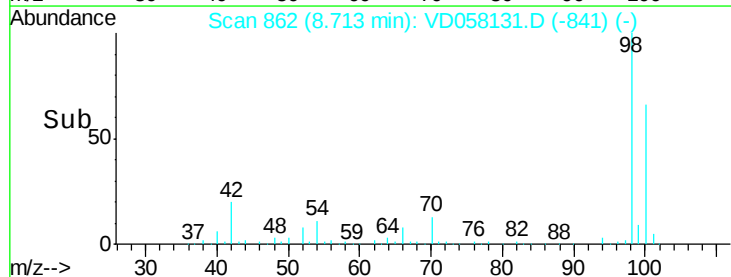
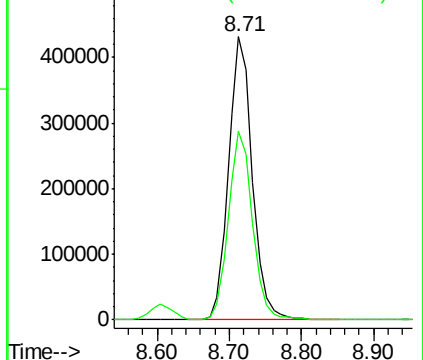
Tgt Ion: 98 Resp: 988045

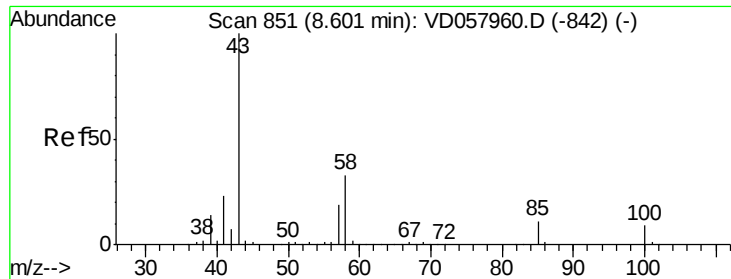
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 115.082 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

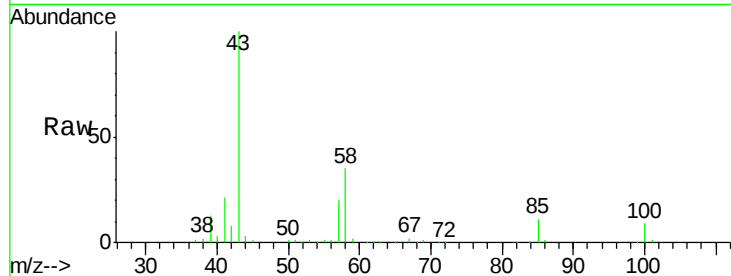
ClientSampleId :

Tot Ion: 43 Resp: 616866

Ion Ratio Lower Upper

43 100

58 34.7 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

250000

200000

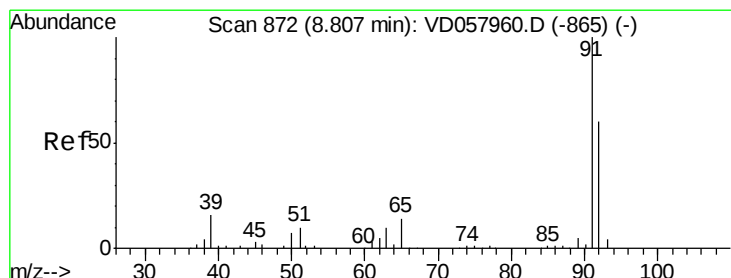
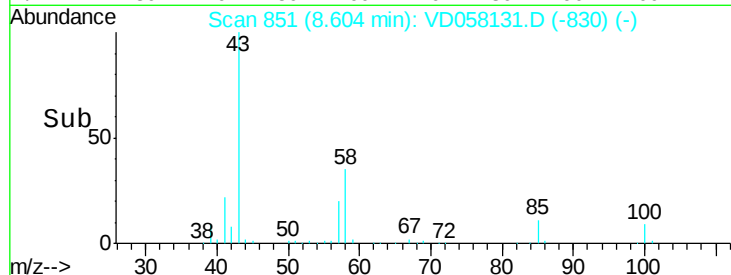
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.907 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058131.D

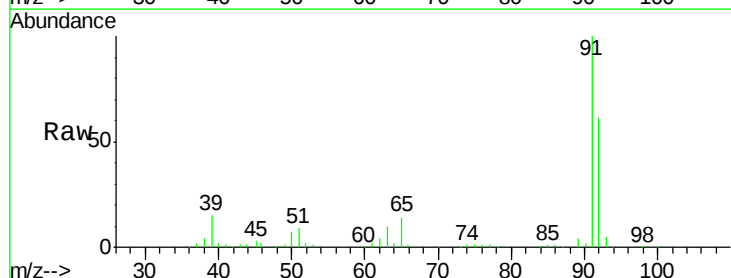
Acq: 14 Jun 2018 13:06

Tgt Ion: 92 Resp: 374783

Ion Ratio Lower Upper

92 100

91 164.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

300000

250000

200000

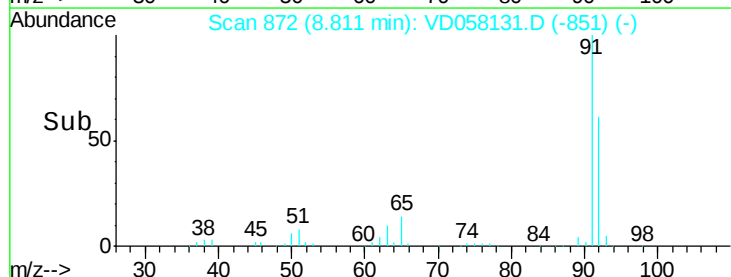
150000

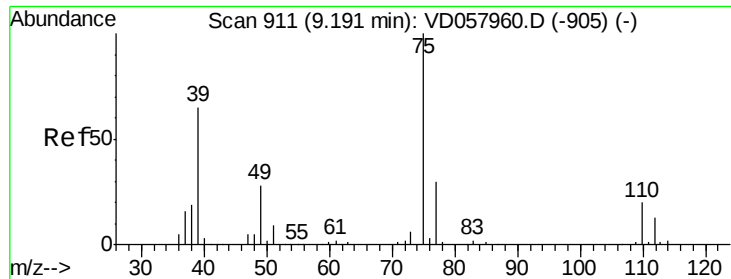
100000

50000

0

Time-->

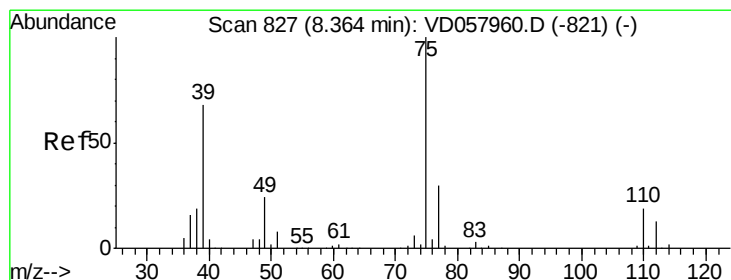
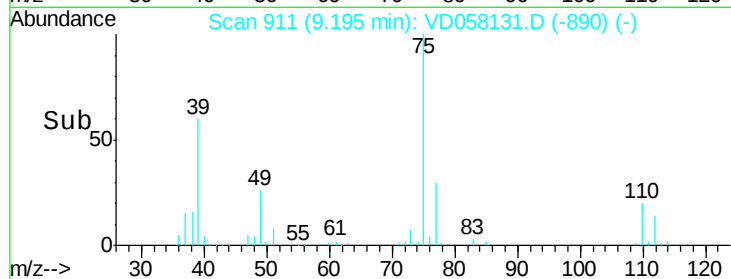
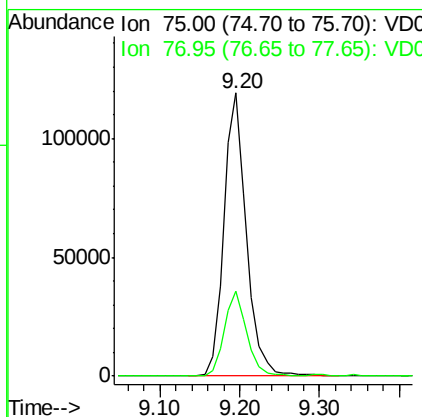
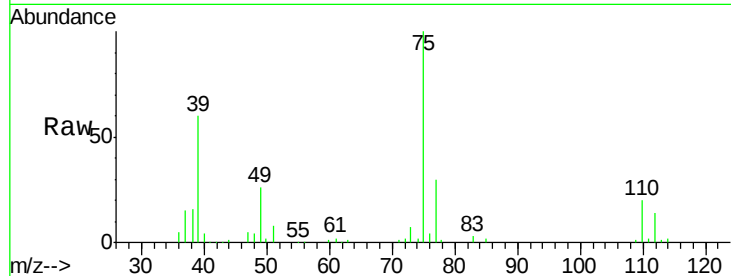




#53
 t-1,3-Dichloropropene
 Concen: 23.969 ug/l
 RT: 9.20 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

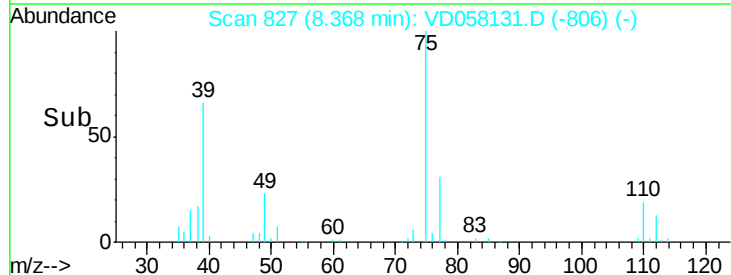
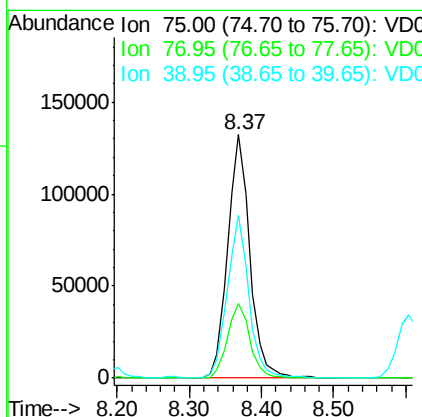
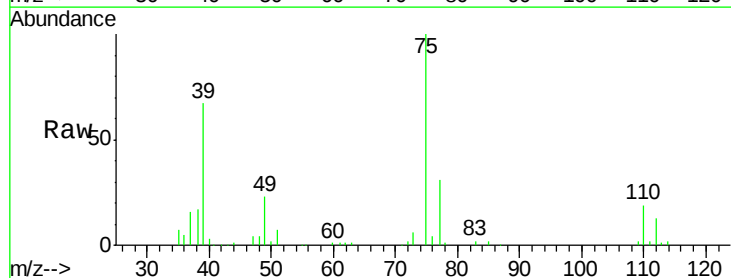
Instrument :
 MSVOA_D
 ClientSampleId :

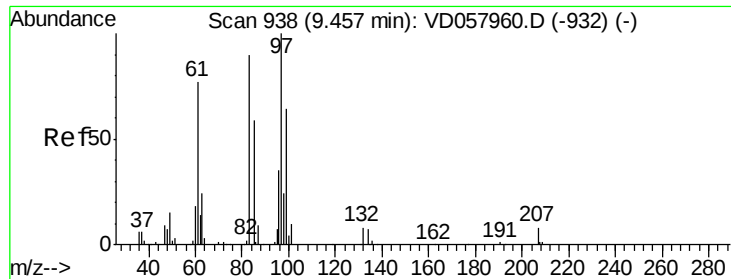
Tot Ion: 75 Resp: 235809
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 24.399 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Tgt Ion: 75 Resp: 282786
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.1 36.1
 39 66.8 54.0 81.0

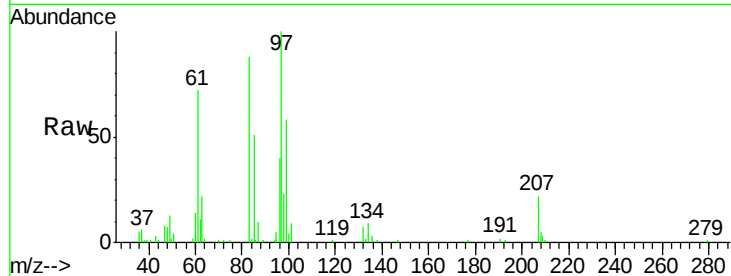




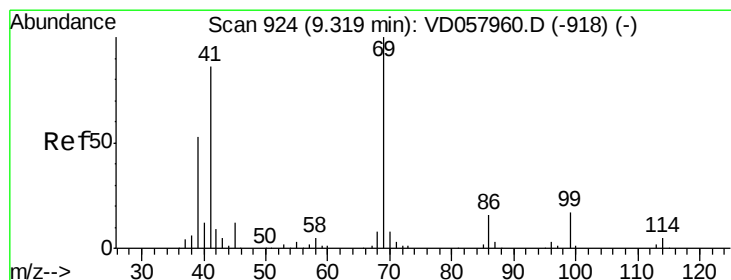
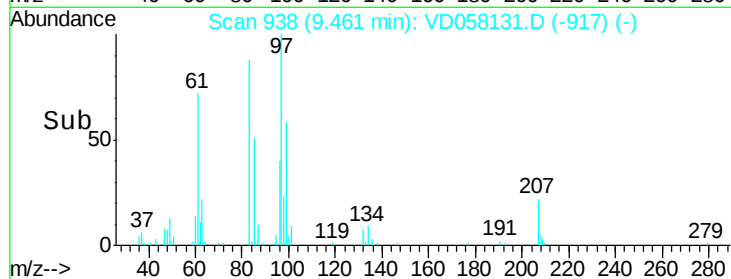
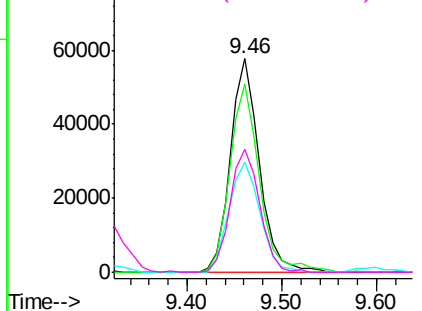
#55
 1,1,2-Trichloroethane
 Concen: 24.104 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 122293
 Ion Ratio Lower Upper
 97 100
 83 87.9 71.8 107.8
 85 51.3 47.2 70.8
 99 57.7 51.4 77.0

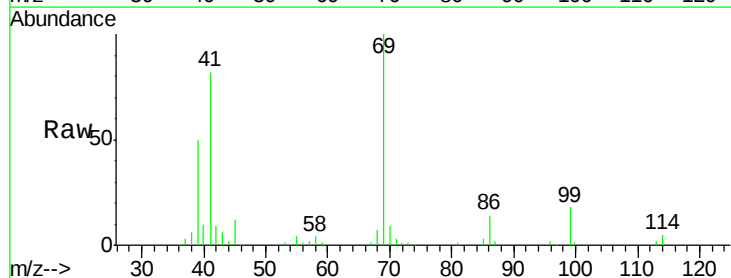


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

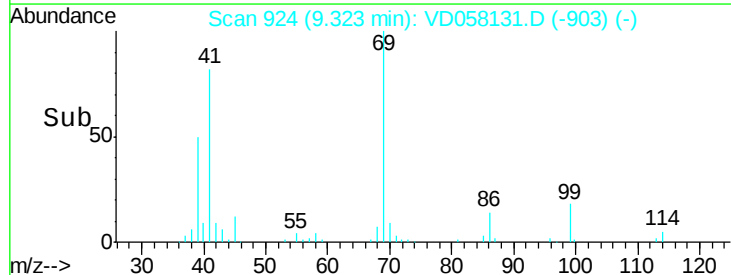
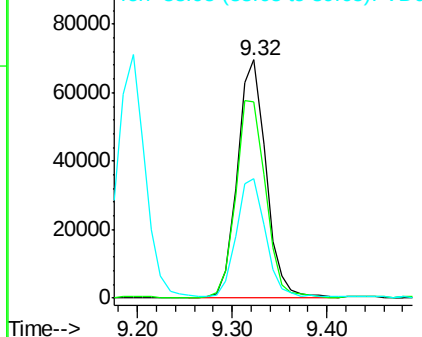


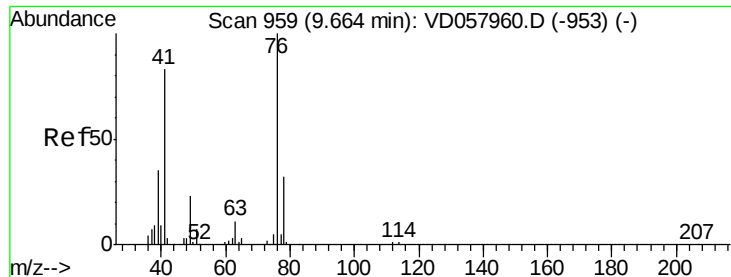
#56
 Ethyl methacrylate
 Concen: 23.484 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Tgt Ion: 69 Resp: 146153
 Ion Ratio Lower Upper
 69 100
 41 82.4 68.4 102.6
 39 49.9 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: 23.938 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

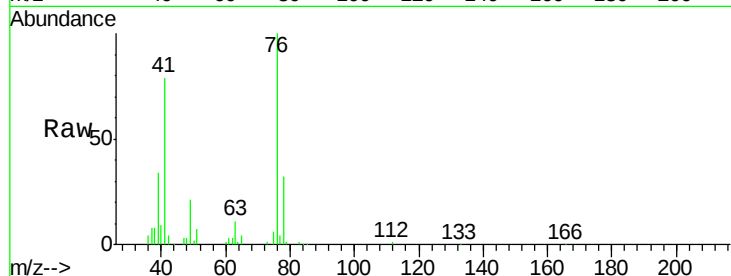
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 213012

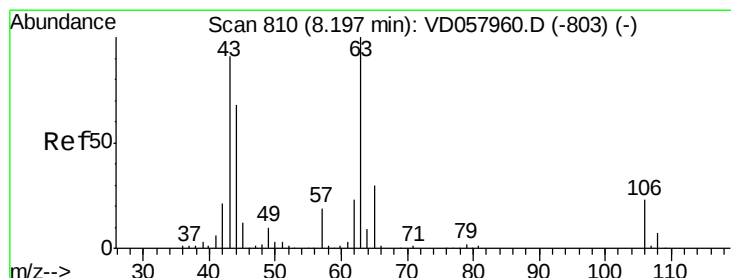
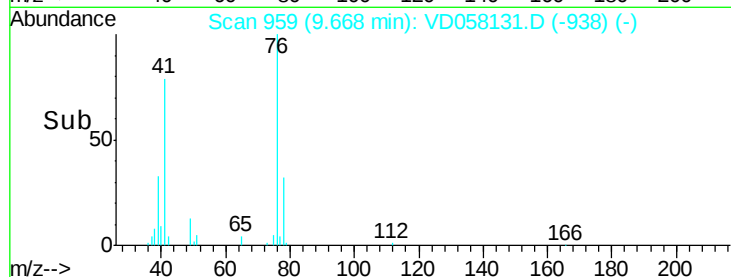
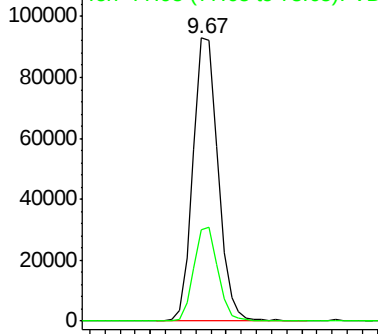
Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 122.390 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058131.D

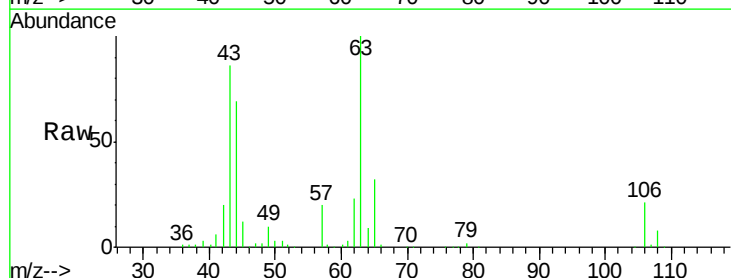
Acq: 14 Jun 2018 13:06

Tgt Ion: 63 Resp: 384828

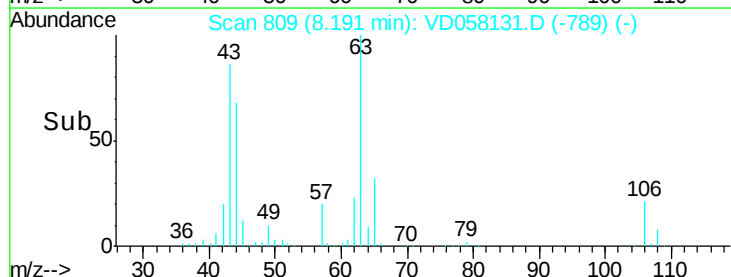
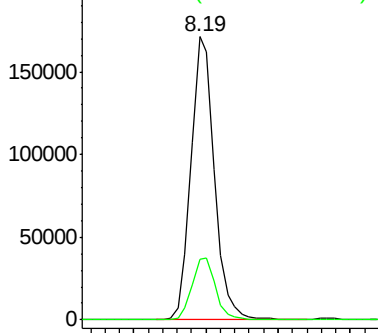
Ion Ratio Lower Upper

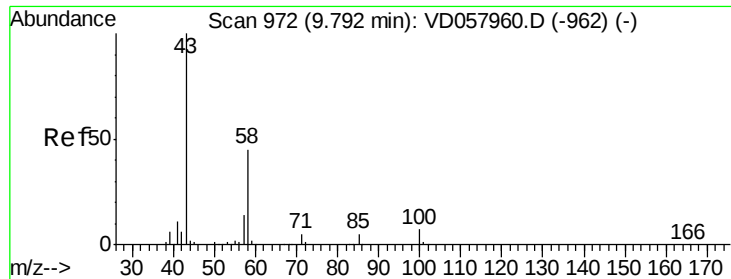
63 100

106 21.2 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

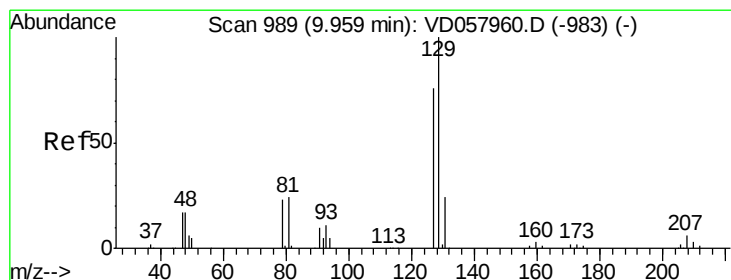
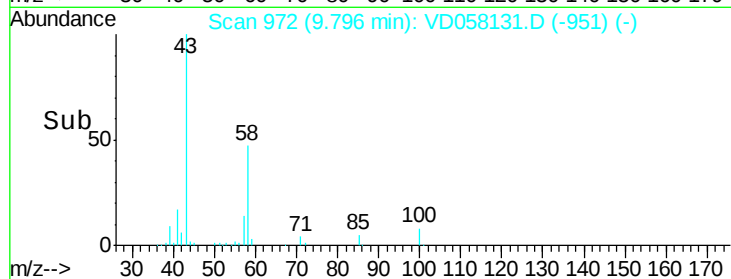
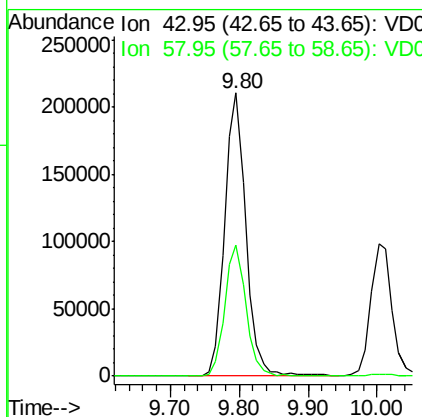
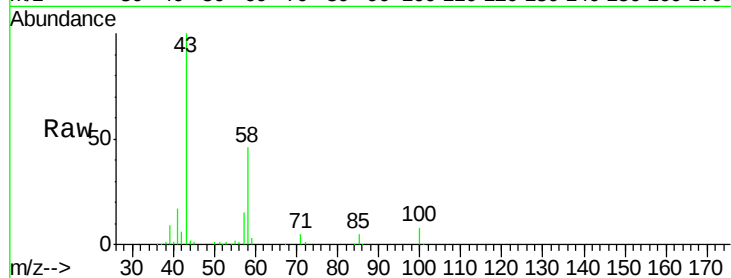




#59
2-Hexanone
Concen: 114.222 ug/l
RT: 9.80 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

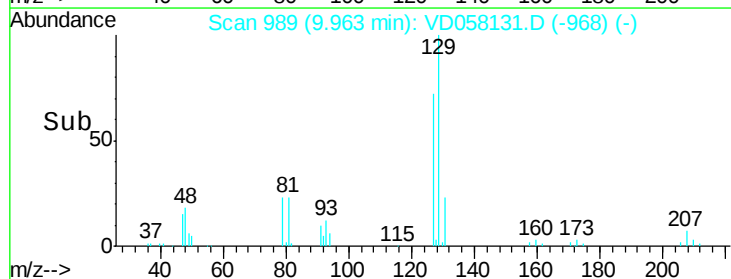
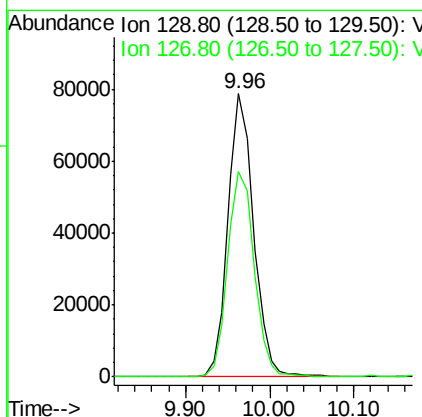
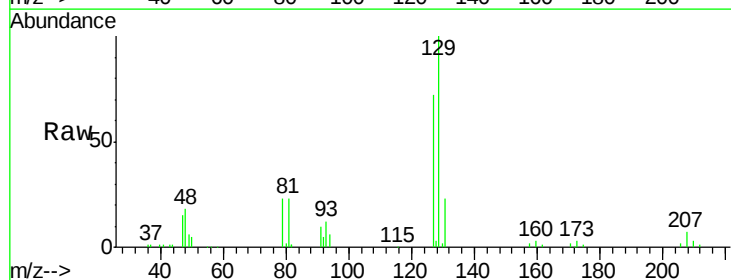
Instrument :
MSVOA_D
ClientSampleID :

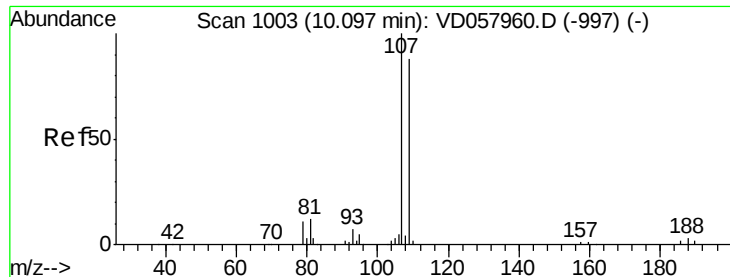
Tot Ion: 43 Resp: 448685
Ion Ratio Lower Upper
43 100
58 46.5 22.5 67.5



#60
Dibromochloromethane
Concen: 23.355 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 129 Resp: 167093
Ion Ratio Lower Upper
129 100
127 72.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 23.430 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

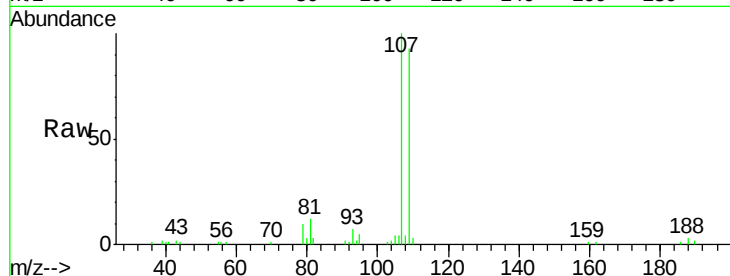
ClientSampleId :

Tot Ion:107 Resp: 136703

Ion Ratio Lower Upper

107 100

109 92.8 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

80000

60000

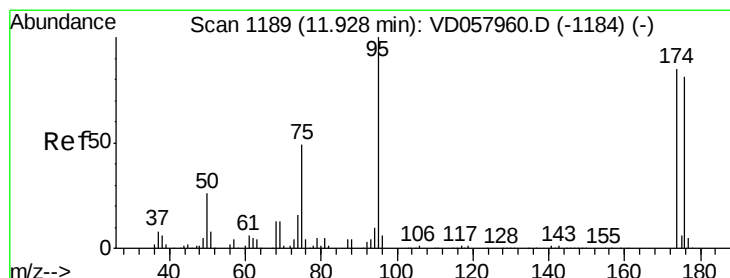
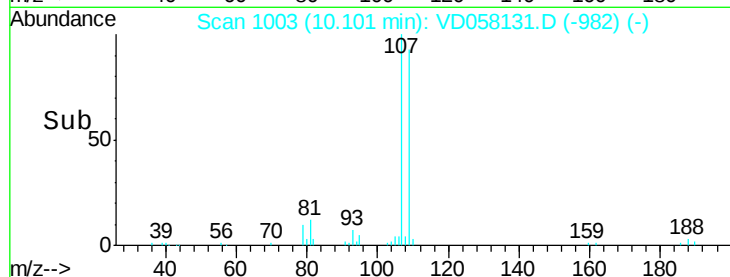
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 23.430 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

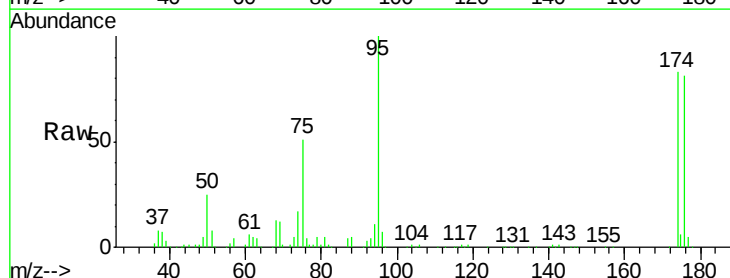
Tgt Ion: 95 Resp: 426916

Ion Ratio Lower Upper

95 100

174 82.7 0.0 169.4

176 80.5 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

400000

300000

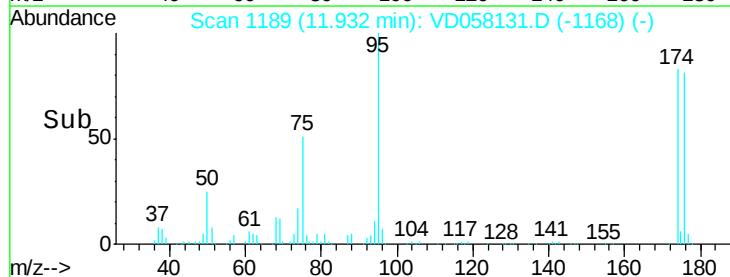
200000

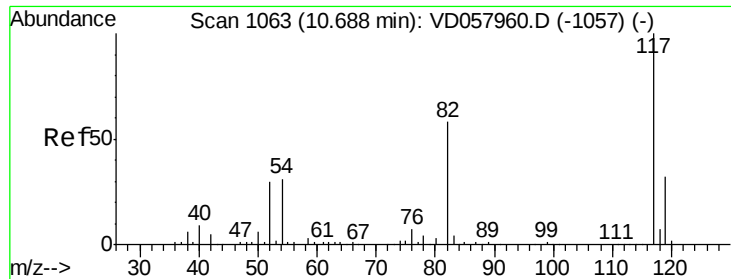
100000

0

Time-->

11.90 11.93 12.00

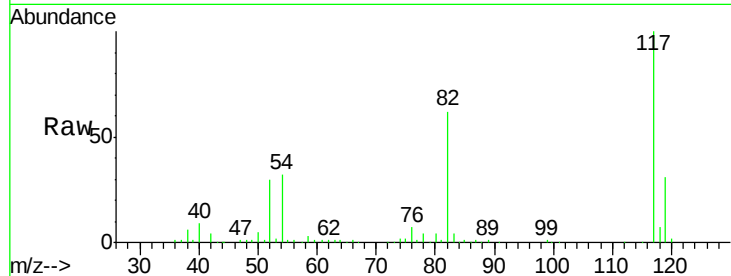




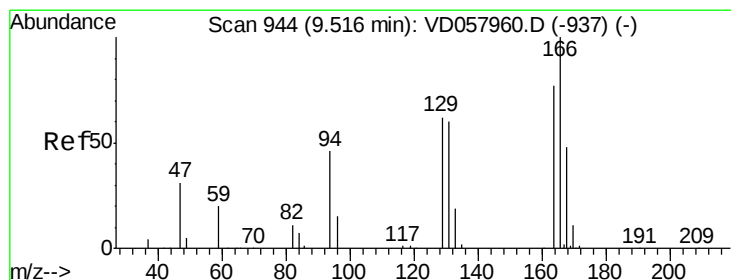
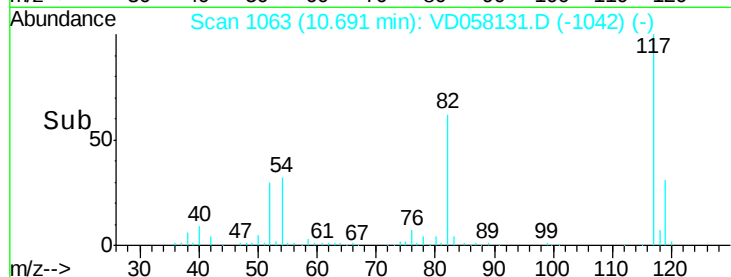
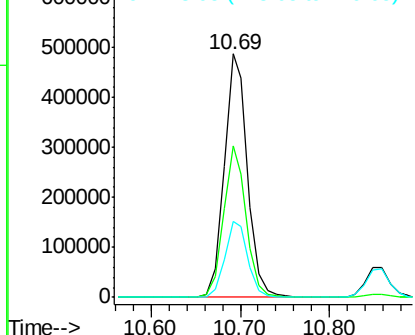
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 888368
Ion Ratio Lower Upper
117 100
82 62.3 46.8 70.2
119 31.0 25.8 38.6

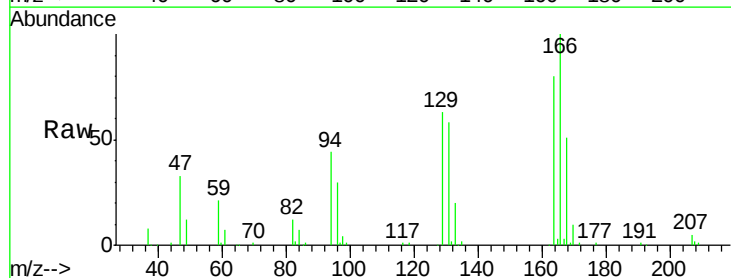


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

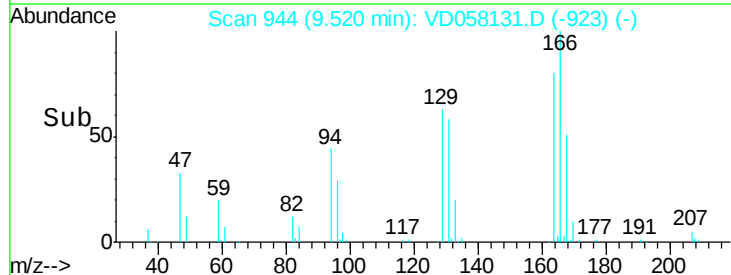
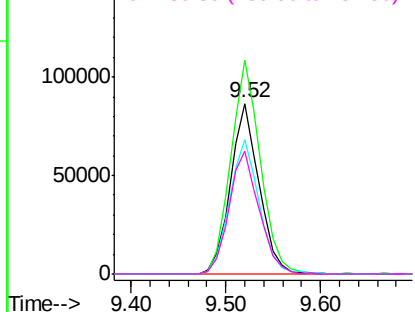


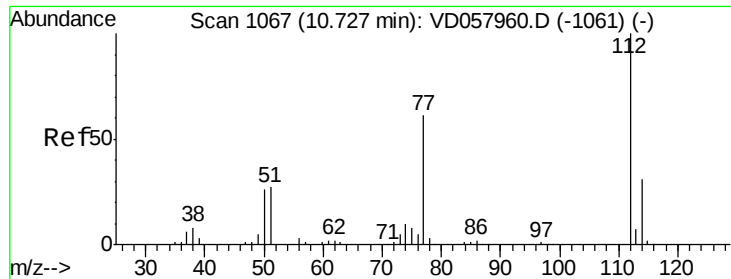
#64
Tetrachloroethene
Concen: 22.788 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion:164 Resp: 180981
Ion Ratio Lower Upper
164 100
166 125.1 104.4 156.6
129 79.1 65.0 97.6
131 72.1 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

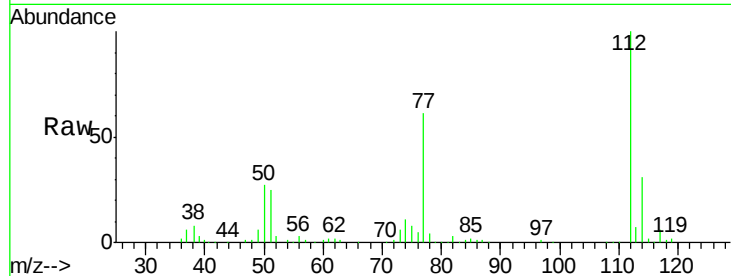




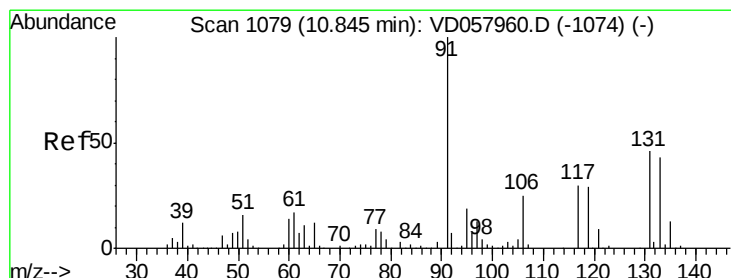
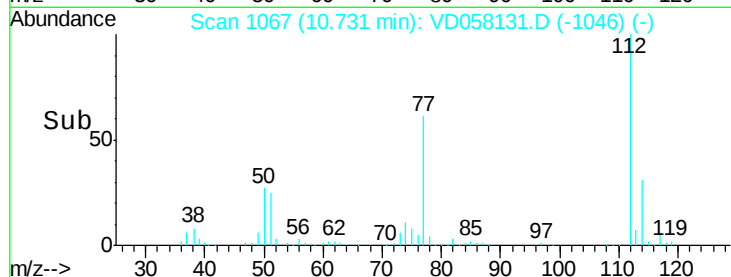
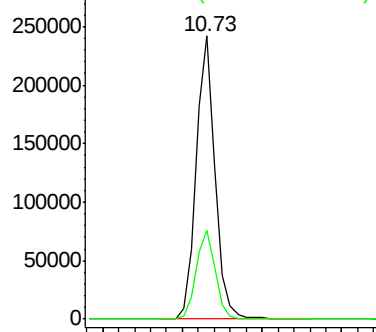
#65
Chlorobenzene
Concen: 22.460 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 403934
Ion Ratio Lower Upper
112 100
114 31.3 24.9 37.3

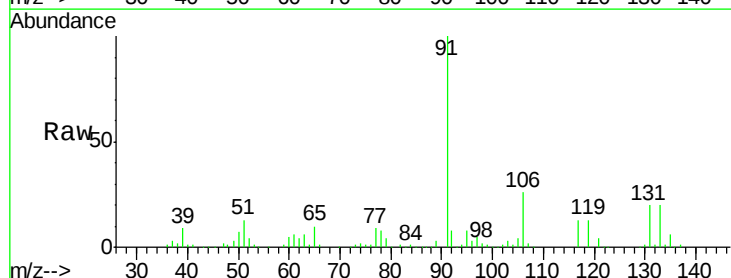


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

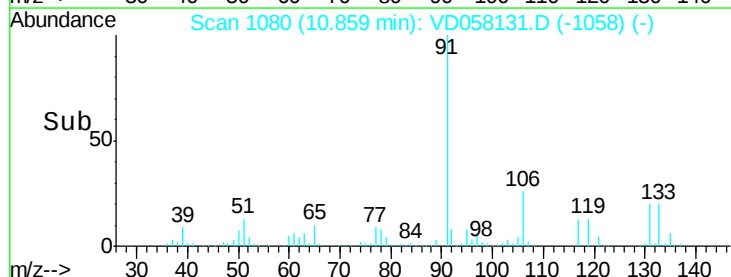
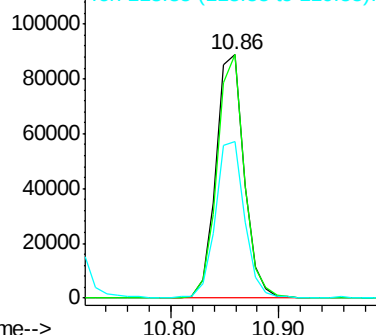


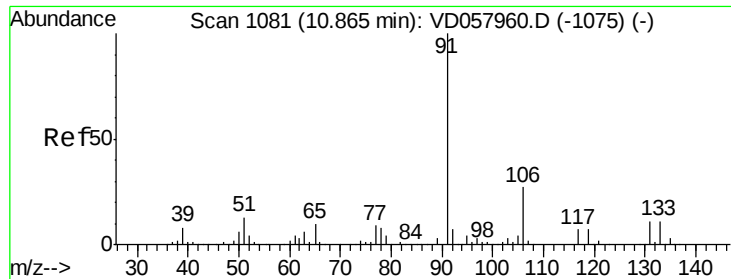
#66
1,1,1,2-Tetrachloroethane
Concen: 23.339 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion:131 Resp: 161266
Ion Ratio Lower Upper
131 100
133 99.9 46.9 140.6
119 64.2 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: 23.836 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

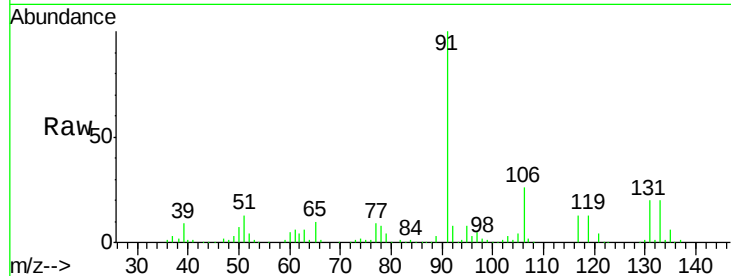
ClientSampled :

Tot Ion: 91 Resp: 774465

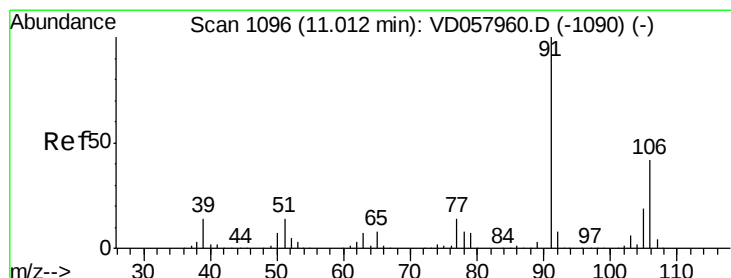
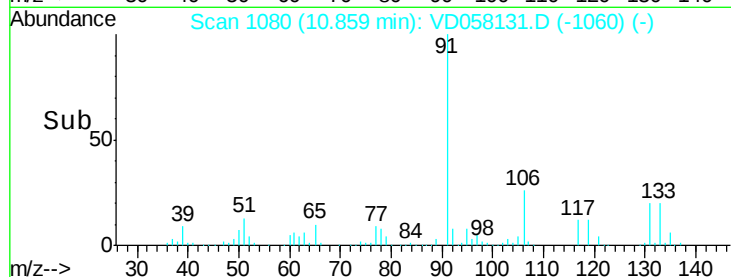
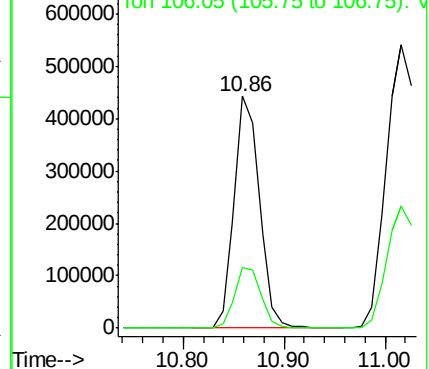
Ion Ratio Lower Upper

91 100

106 26.2 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 47.336 ug/l

RT: 11.02 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD058131.D

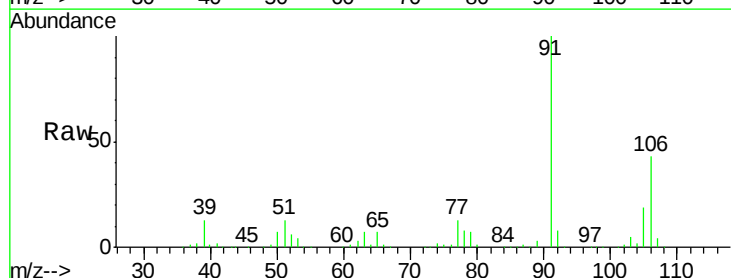
Acq: 14 Jun 2018 13:06

Tgt Ion: 106 Resp: 501383

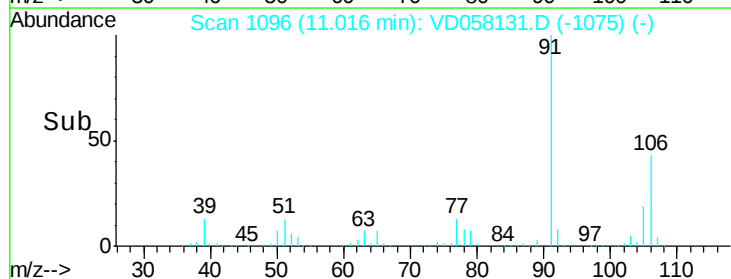
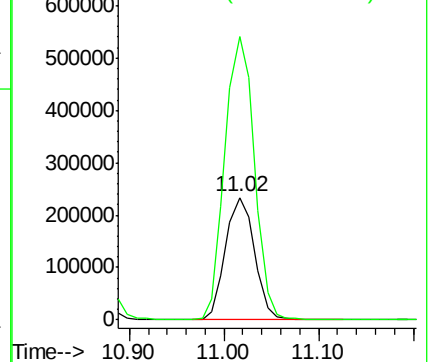
Ion Ratio Lower Upper

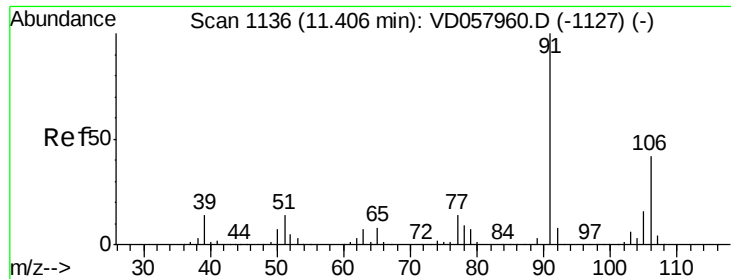
106 100

91 231.4 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

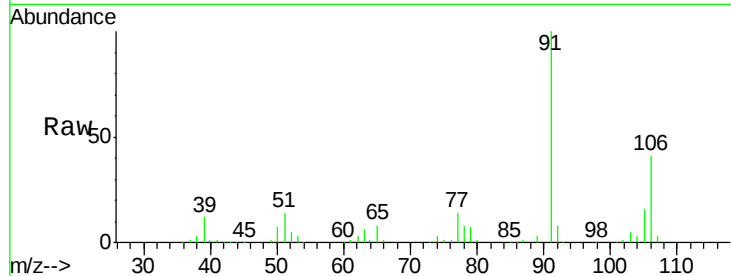




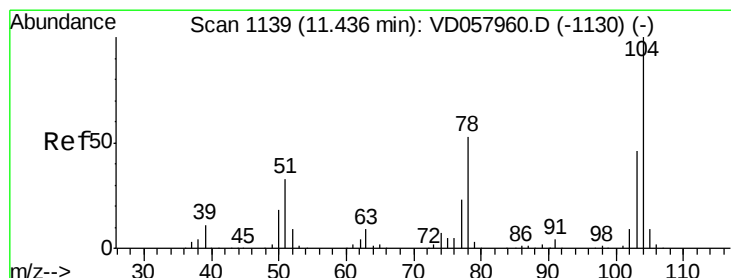
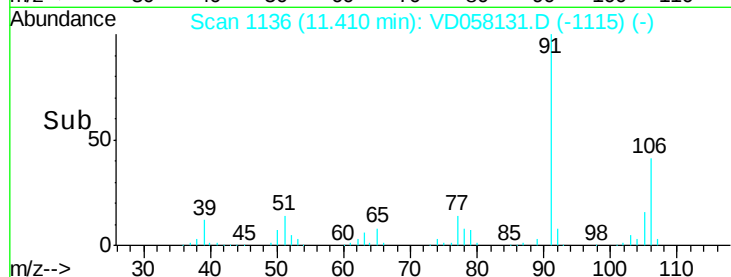
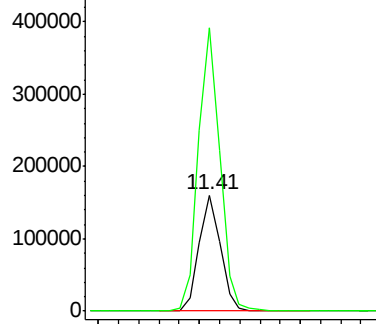
#69
o-Xylene
Concen: 22.571 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 237304
Ion Ratio Lower Upper
106 100
91 244.2 120.6 361.7

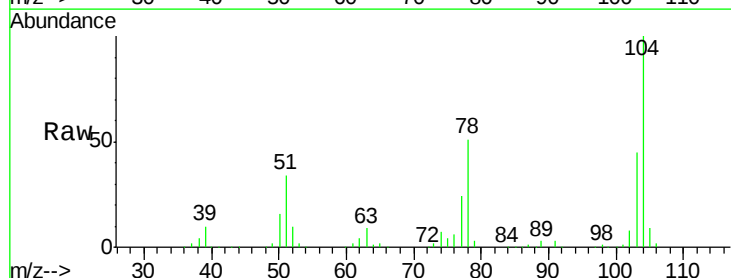


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

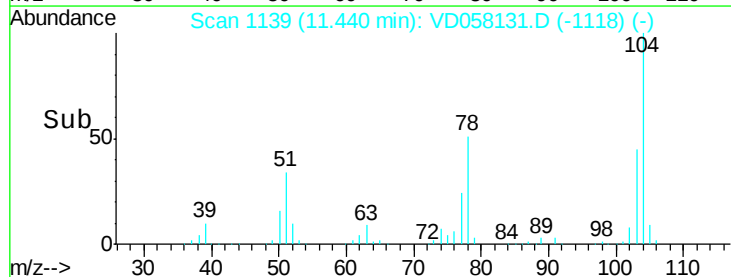
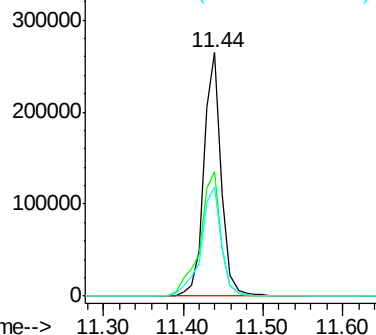


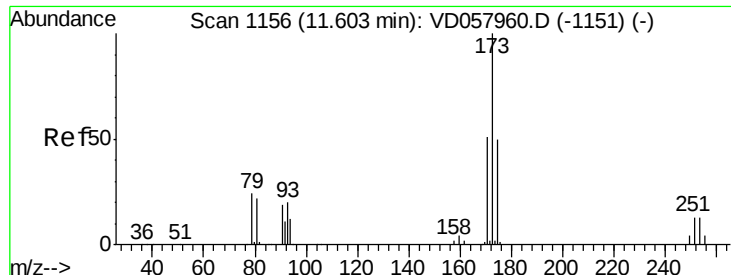
#70
Styrene
Concen: 23.164 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion:104 Resp: 403167
Ion Ratio Lower Upper
104 100
78 51.4 42.1 63.1
103 45.0 37.0 55.6



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

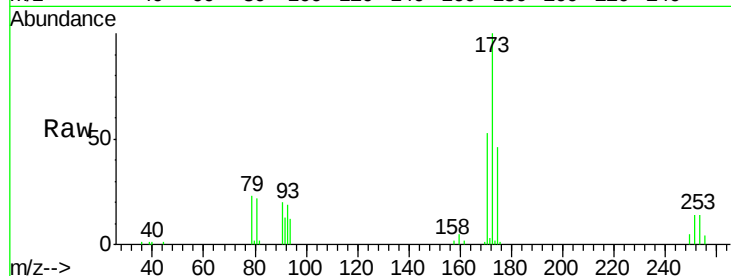




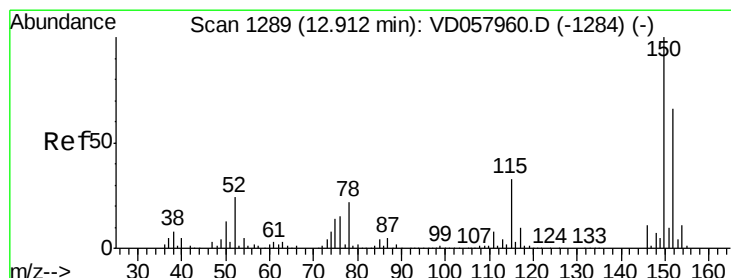
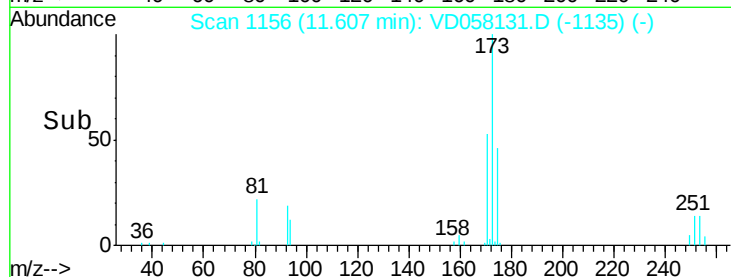
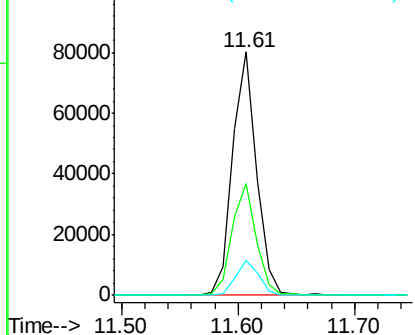
#71
Bromoform
Concen: 22.013 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 114424
Ion Ratio Lower Upper
173 100
175 45.9 25.1 75.2
254 14.2 10.7 16.1

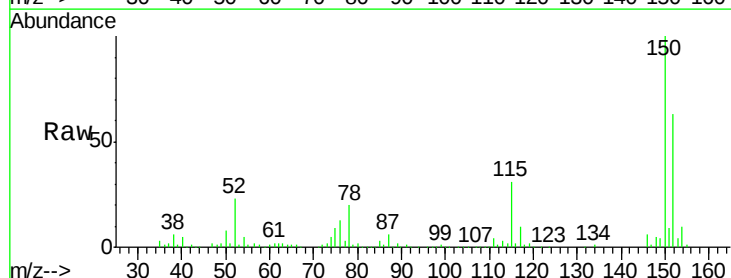


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

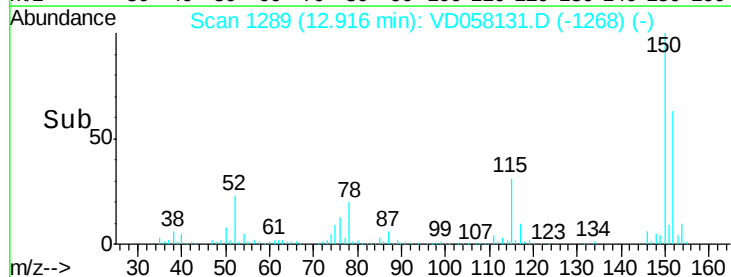
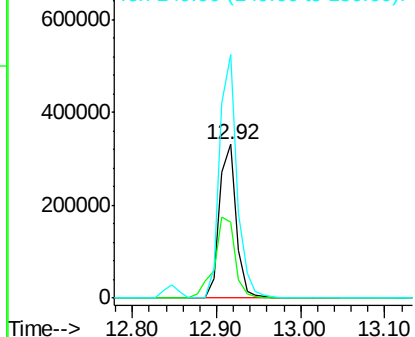


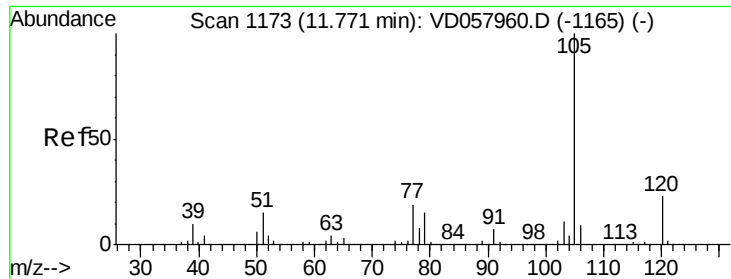
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion:152 Resp: 460995
Ion Ratio Lower Upper
152 100
115 49.1 25.6 76.6
150 158.2 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: 23.013 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

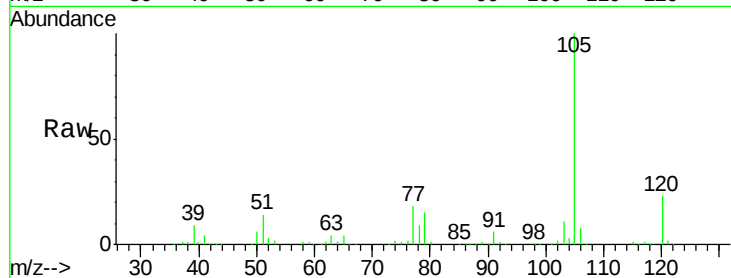
ClientSampleId :

Tot Ion:105 Resp: 702697

Ion Ratio Lower Upper

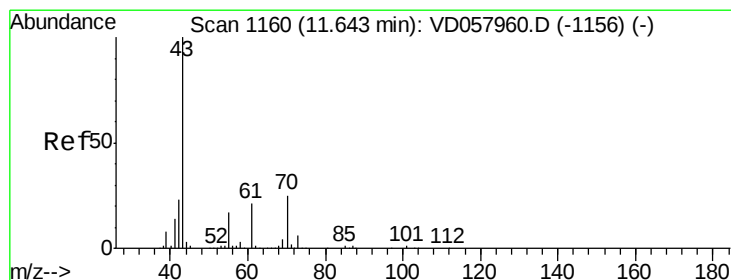
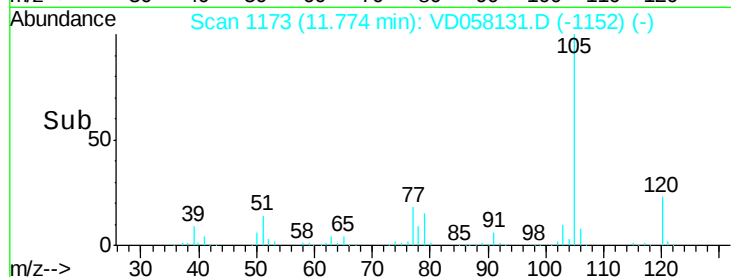
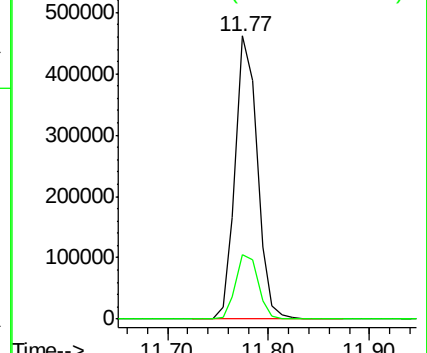
105 100

120 22.6 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.840 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Tgt Ion: 43 Resp: 245537

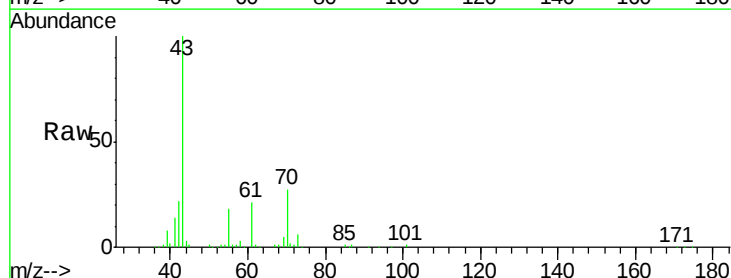
Ion Ratio Lower Upper

43 100

70 27.1 20.3 30.5

55 17.6 13.9 20.9

61 21.2 16.6 24.8

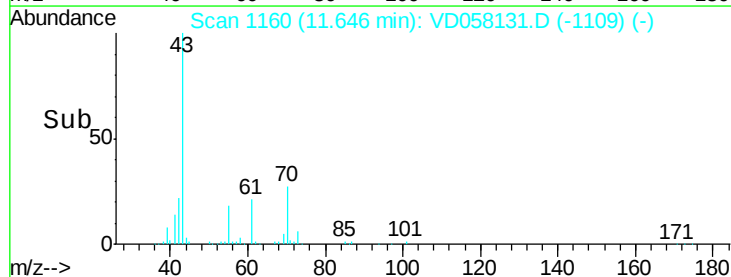
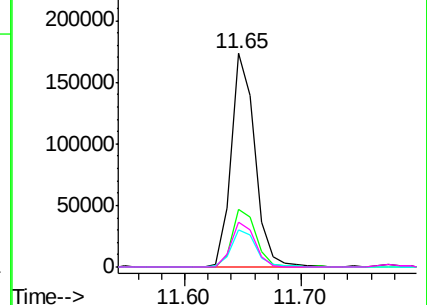


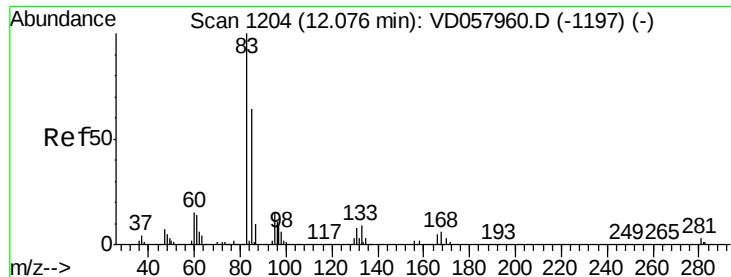
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.013 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampled :

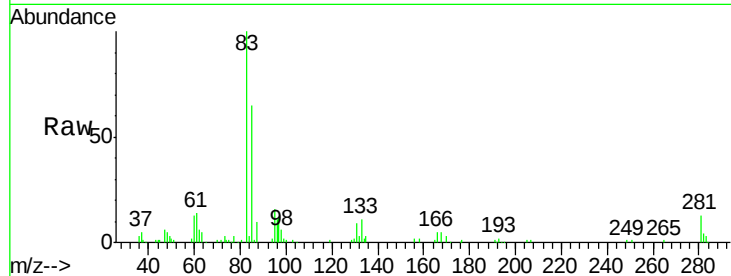
Tot Ion: 83 Resp: 146544

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.6

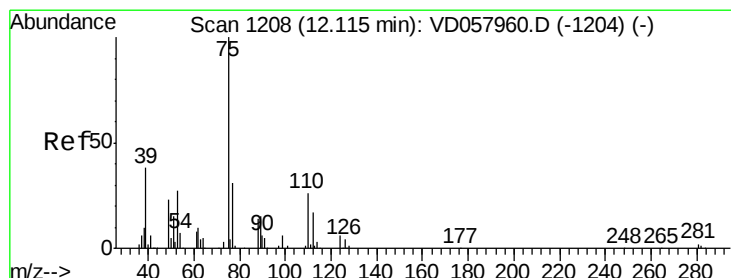
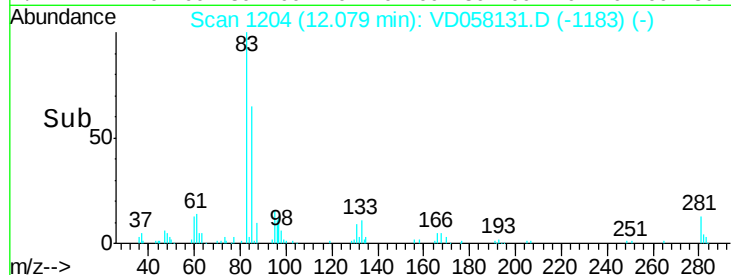
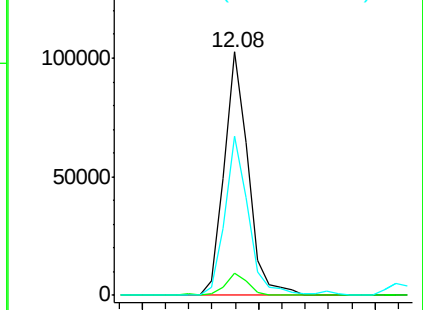
85 65.3 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.845 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058131.D

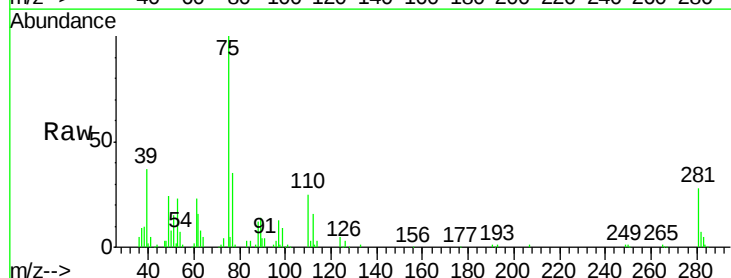
Acq: 14 Jun 2018 13:06

Tgt Ion: 75 Resp: 151273

Ion Ratio Lower Upper

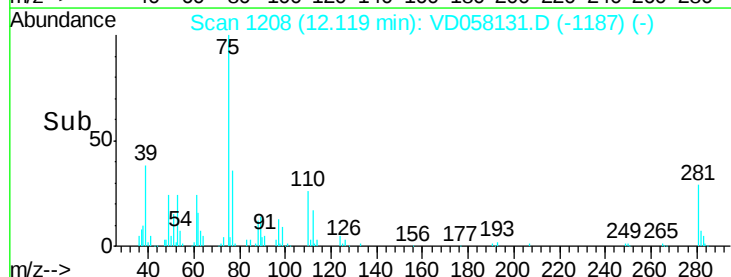
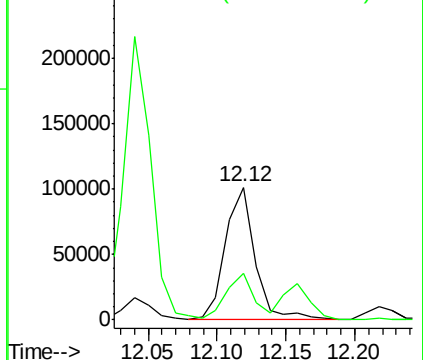
75 100

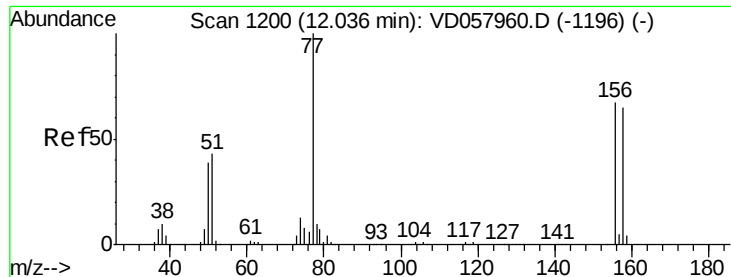
77 34.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.592 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampleId :

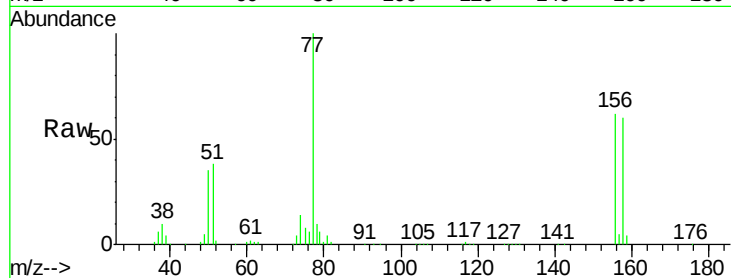
Tot Ion:156 Resp: 204195

Ion Ratio Lower Upper

156 100

77 161.2 75.0 224.8

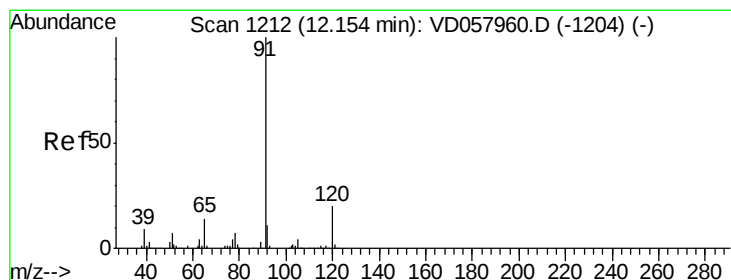
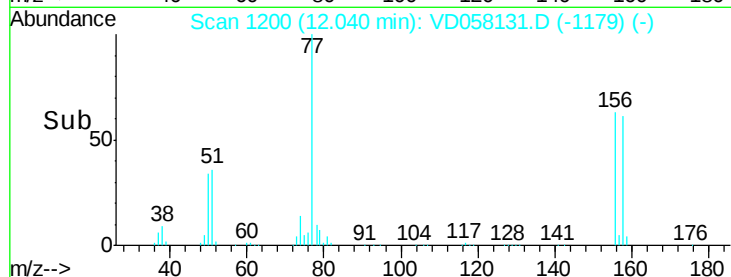
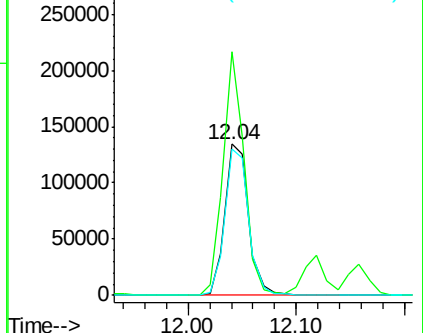
158 96.6 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.255 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058131.D

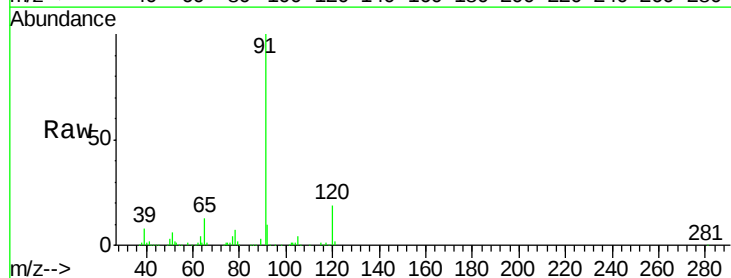
Acq: 14 Jun 2018 13:06

Tgt Ion: 91 Resp: 923961

Ion Ratio Lower Upper

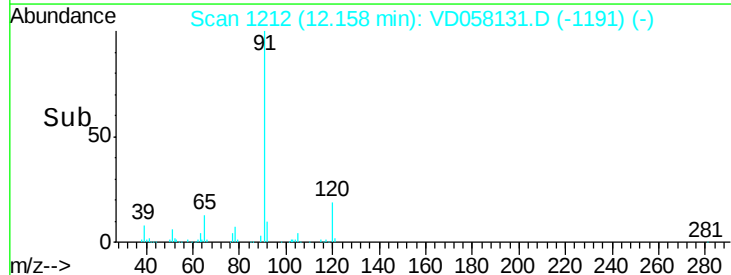
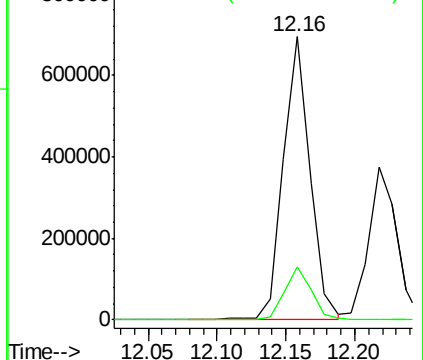
91 100

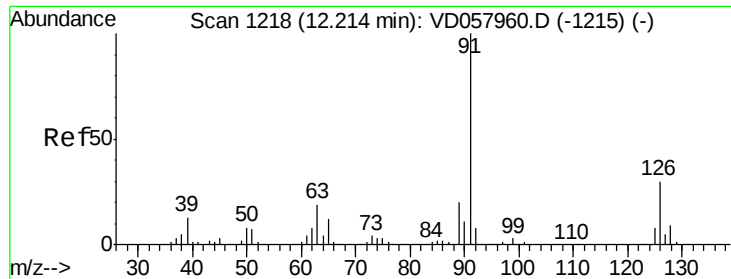
120 18.8 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

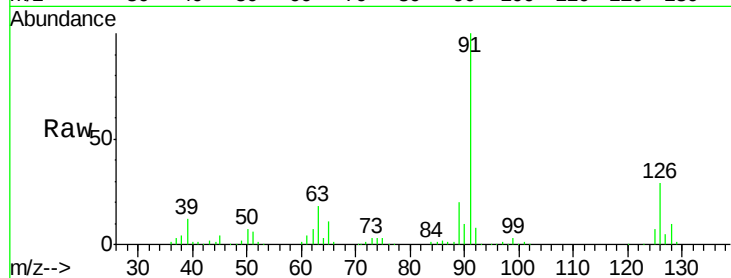




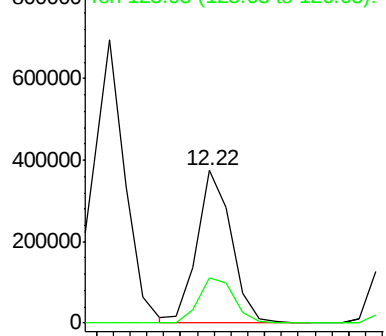
#79
 2-Chlorotoluene
 Concen: 23.255 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Instrument :
 MSVOA_D
 ClientSampleId :

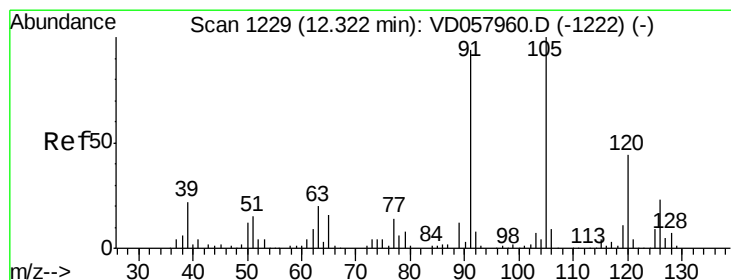
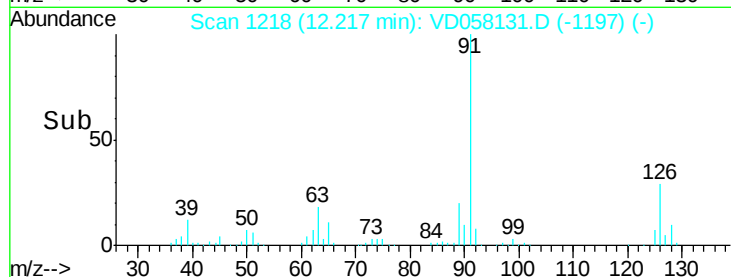
Tot Ion: 91 Resp: 527120
 Ion Ratio Lower Upper
 91 100
 126 29.3 14.6 44.0



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

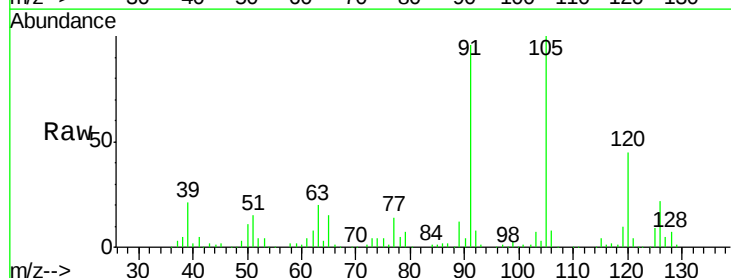


Time--> 12.15 12.20 12.25 12.30

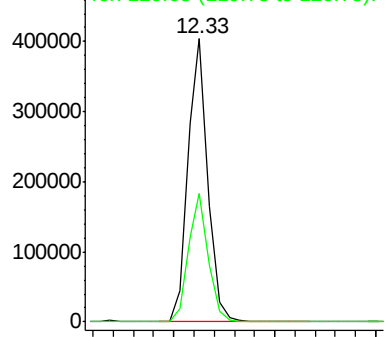


#80
 1,3,5-Trimethylbenzene
 Concen: 23.324 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

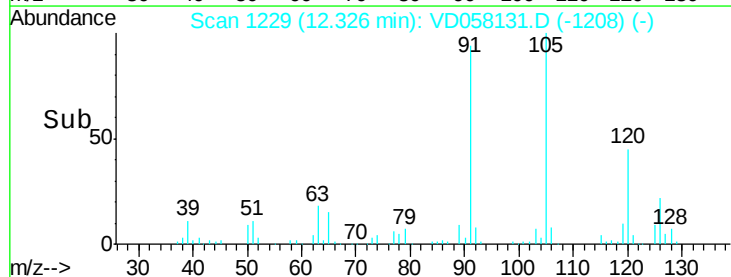
Tgt Ion: 105 Resp: 555407
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.0 66.0

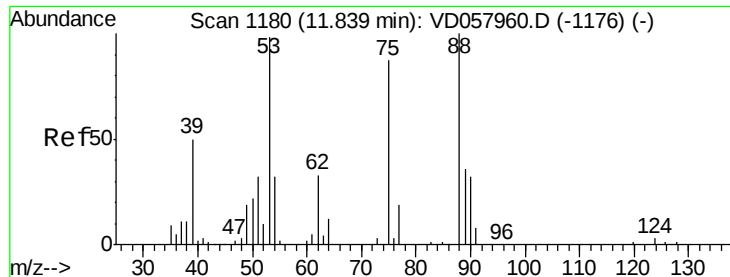


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V



Time--> 12.30 12.40





#81

trans-1,4-Dichloro-2-butene

Concen: 22.239 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampleId :

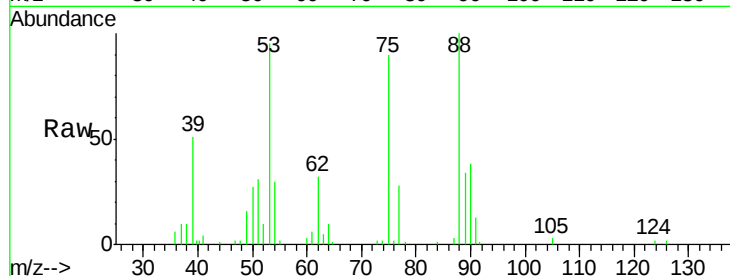
Tot Ion: 75 Resp: 38144

Ion Ratio Lower Upper

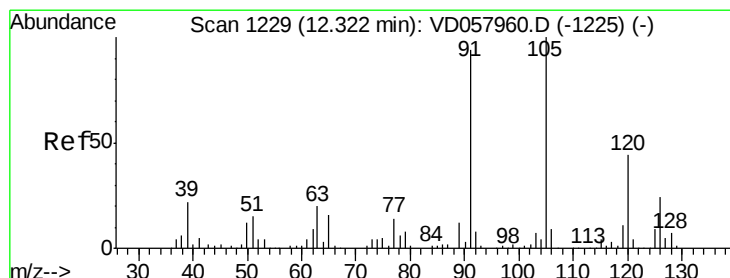
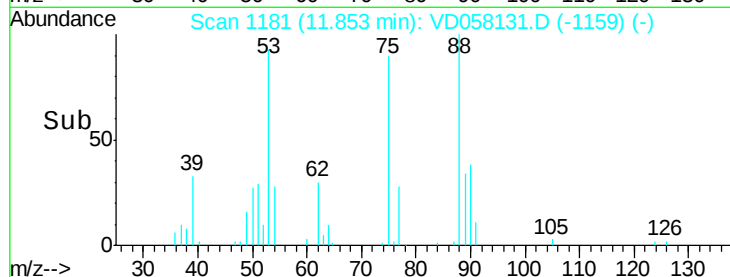
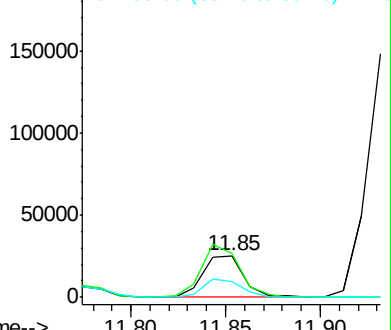
75 100

53 105.9 89.3 133.9

89 38.0 33.3 49.9



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



#82

4-Chlorotoluene

Concen: 25.088 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058131.D

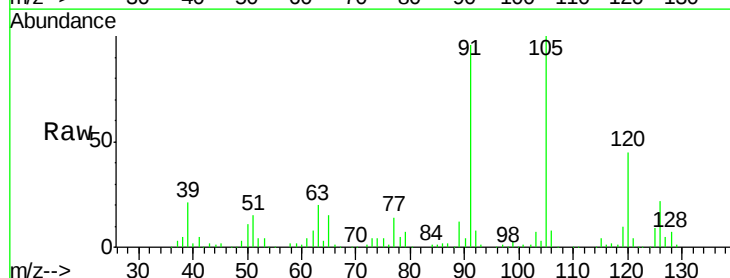
Acq: 14 Jun 2018 13:06

Tgt Ion: 91 Resp: 587991

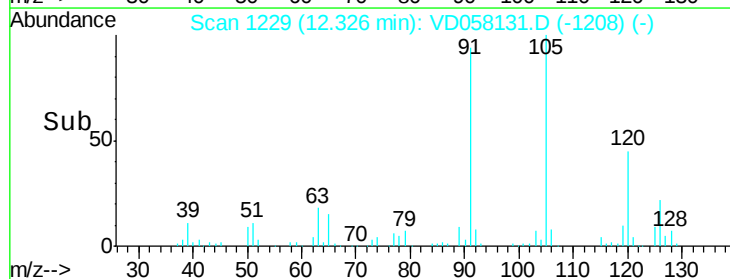
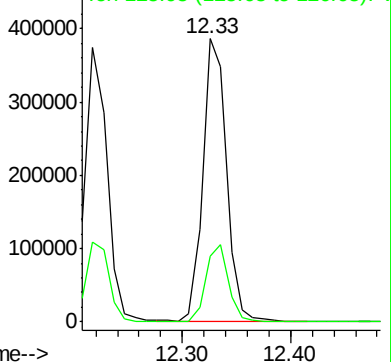
Ion Ratio Lower Upper

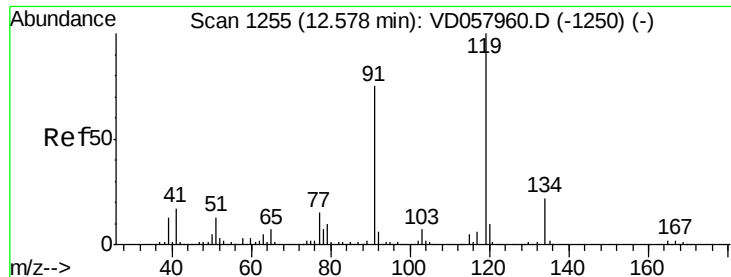
91 100

126 23.4 12.5 37.5



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

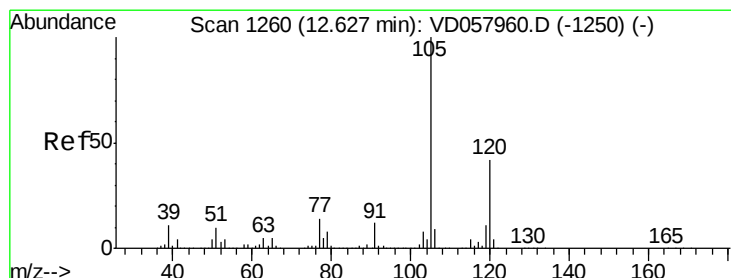
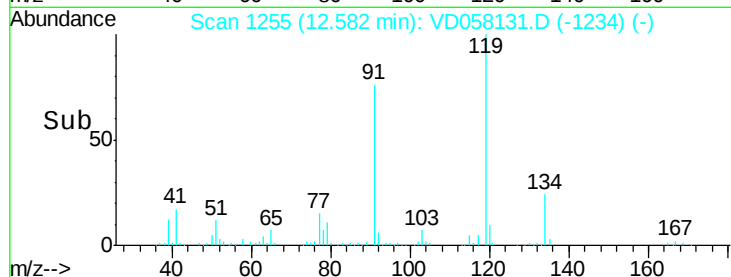
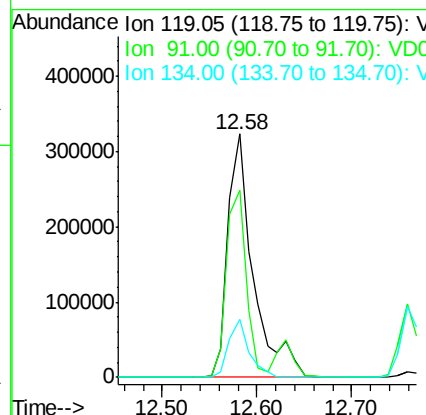
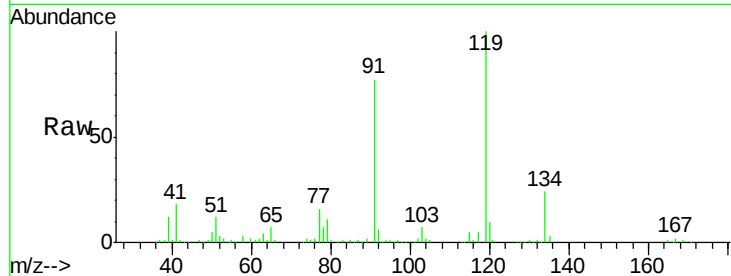




#83
 tert-Butylbenzene
 Concen: 22.270 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

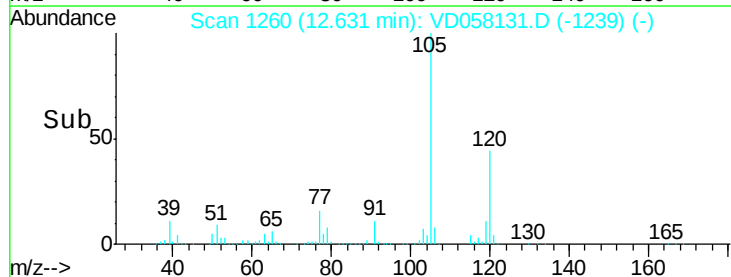
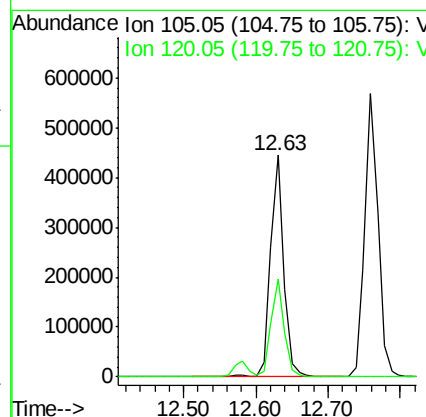
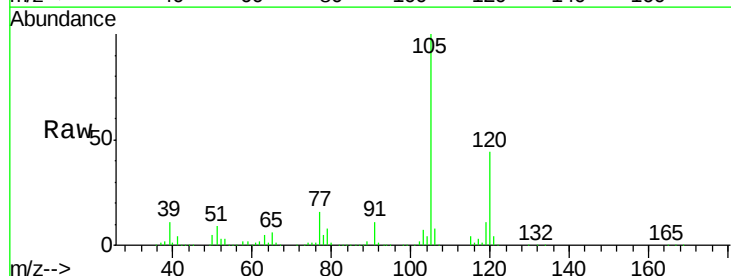
Instrument :
 MSVOA_D
 ClientSampleId :

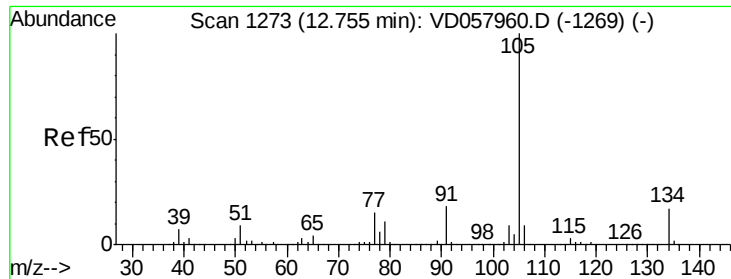
Tot Ion:119 Resp: 598801
 Ion Ratio Lower Upper
 119 100
 91 76.8 37.6 112.9
 134 23.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.131 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Tgt Ion:105 Resp: 566624
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.2 63.6





#85

sec-Butylbenzene

Concen: 21.965 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

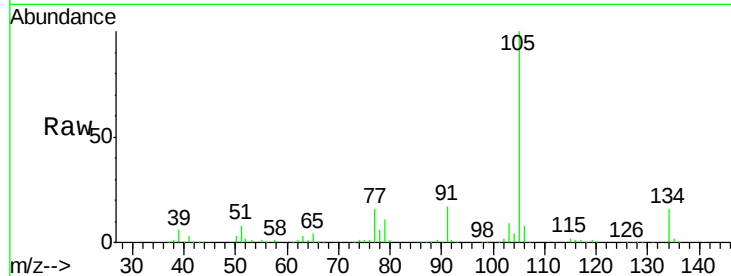
ClientSampleId :

Tot Ion:105 Resp: 712759

Ion Ratio Lower Upper

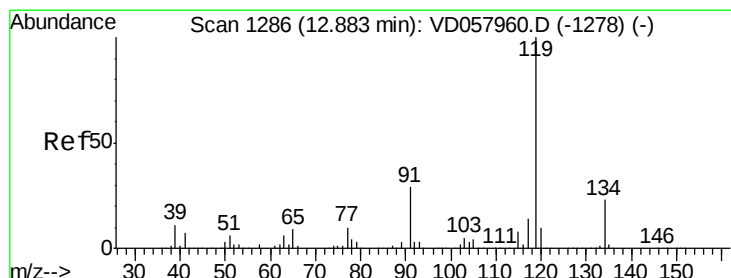
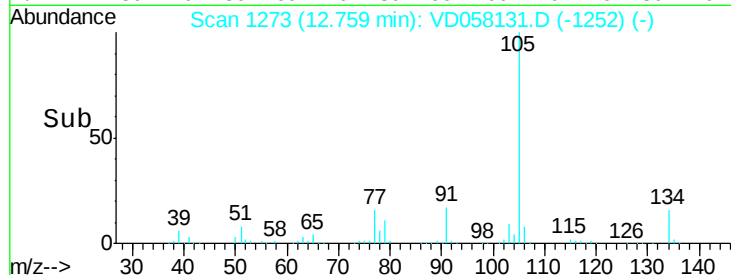
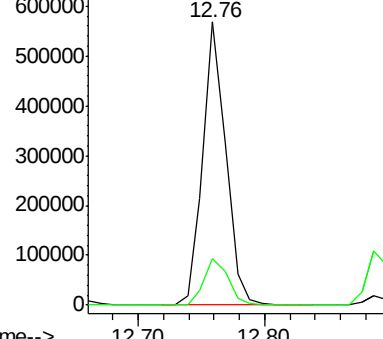
105 100

134 16.4 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.779 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

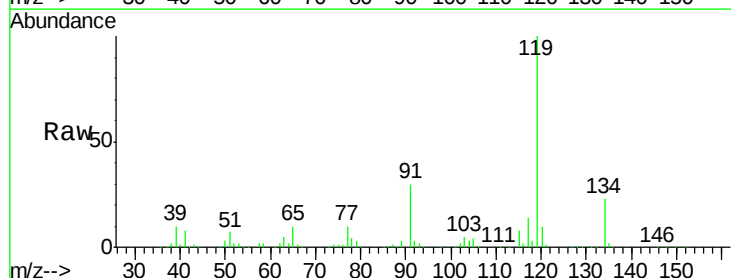
Tgt Ion:119 Resp: 595765

Ion Ratio Lower Upper

119 100

134 23.5 11.5 34.4

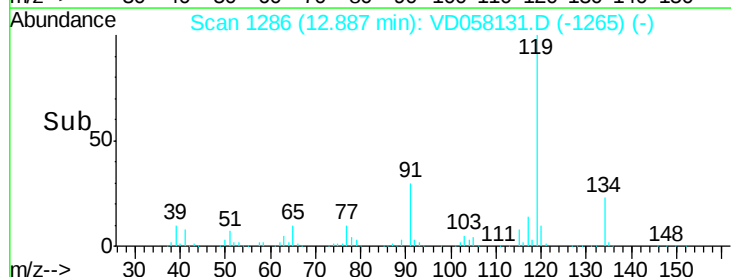
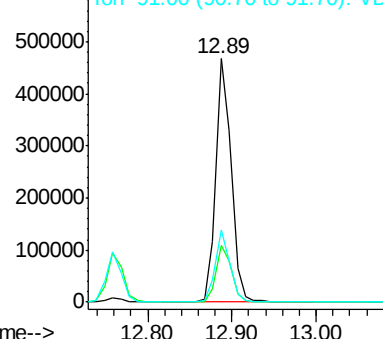
91 29.6 14.5 43.6

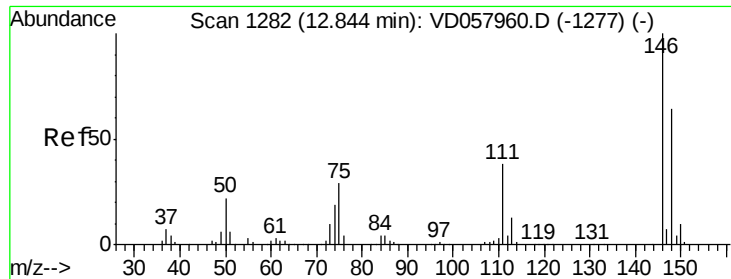


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

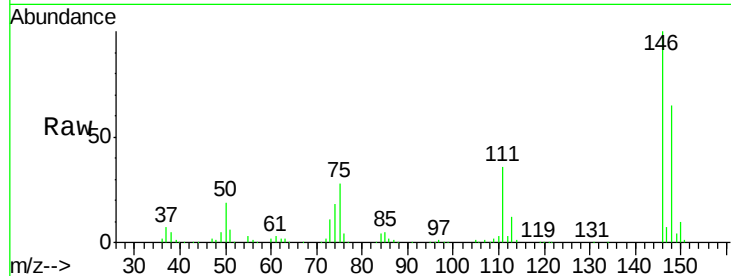




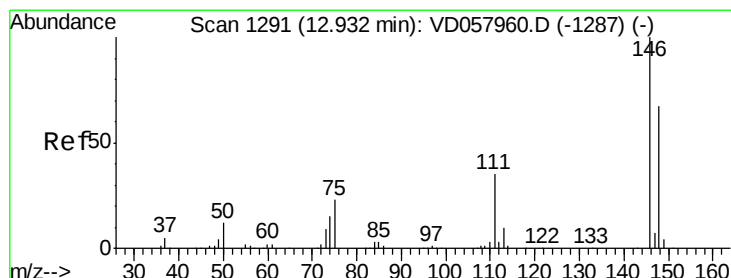
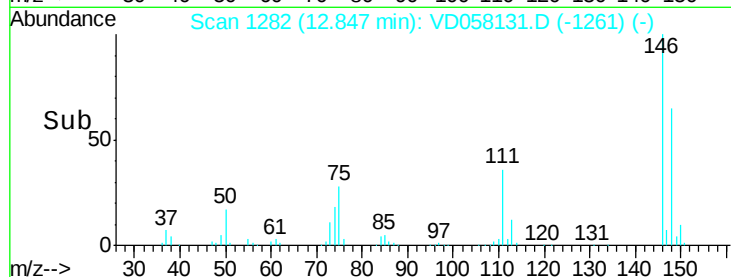
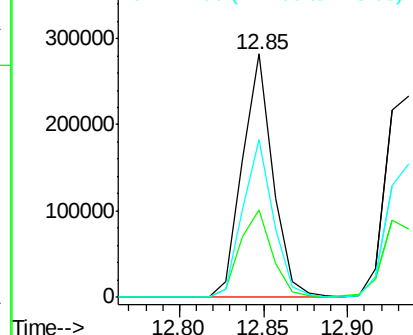
#87
 1,3-Dichlorobenzene
 Concen: 23.150 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 353935
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.1 57.3
 148 64.7 32.0 96.2

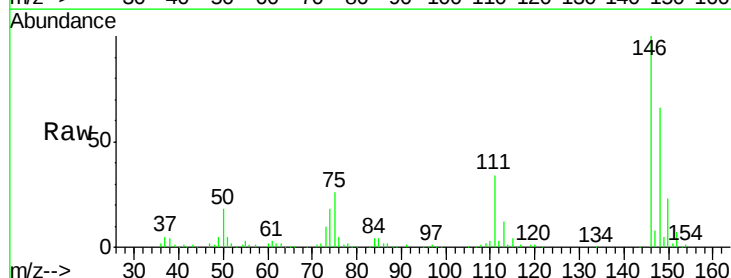


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

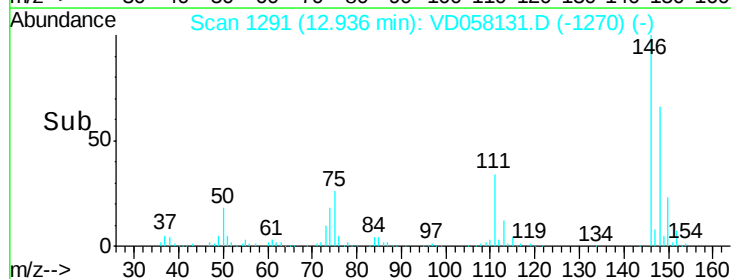
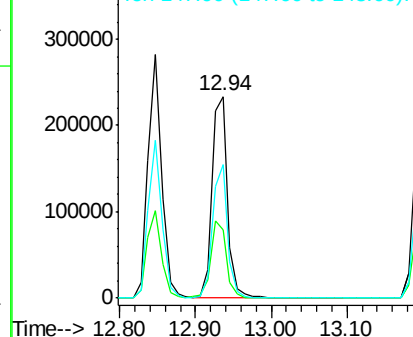


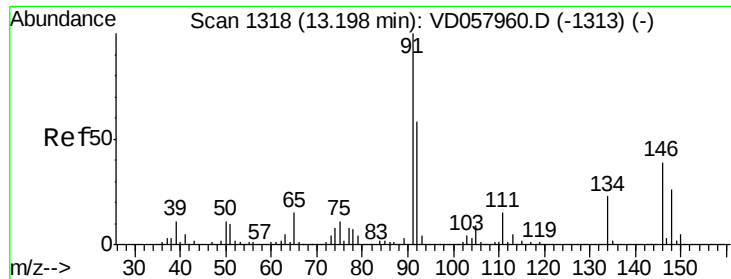
#88
 1,4-Dichlorobenzene
 Concen: 22.558 ug/l
 RT: 12.94 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Tgt Ion:146 Resp: 336024
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.3 52.0
 148 66.3 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

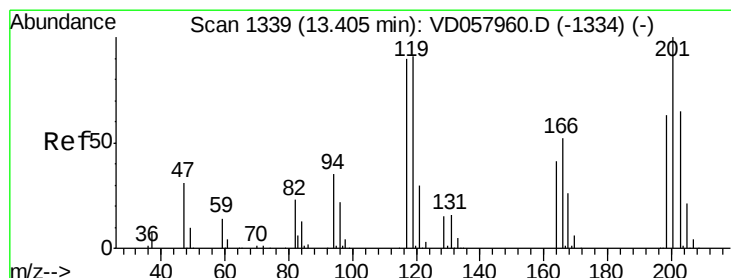
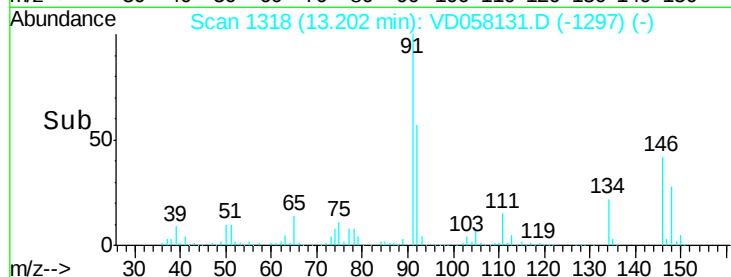
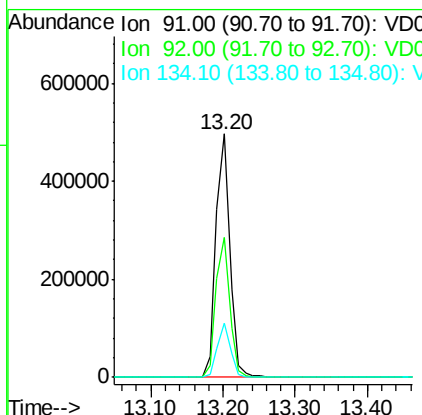
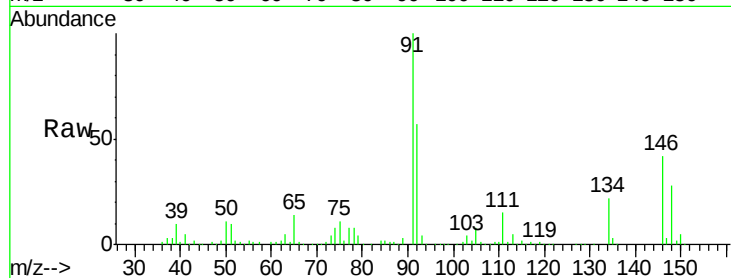




#89
n-Butylbenzene
Concen: 25.626 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

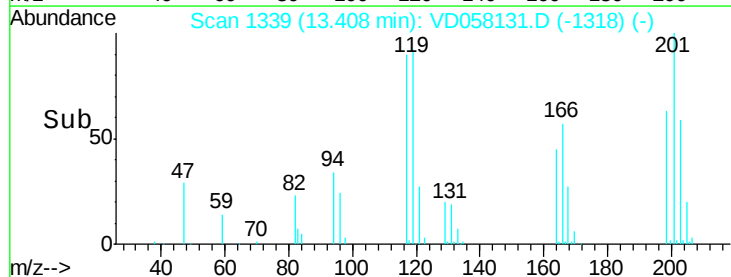
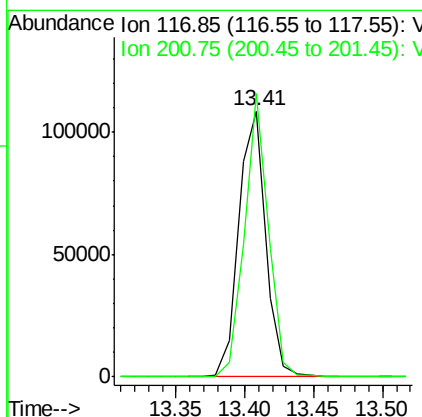
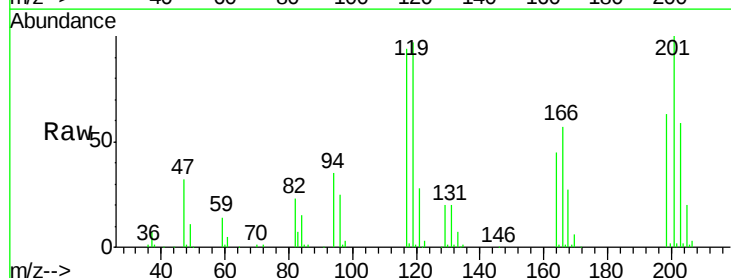
Instrument :
MSVOA_D
ClientSampleId :

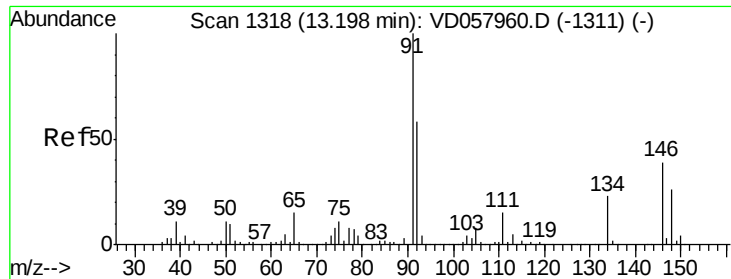
Tot Ion: 91 Resp: 654215
Ion Ratio Lower Upper
91 100
92 57.3 29.2 87.6
134 22.5 11.3 33.9



#90
Hexachloroethane
Concen: 22.155 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058131.D
Acq: 14 Jun 2018 13:06

Tgt Ion: 117 Resp: 147892
Ion Ratio Lower Upper
117 100
201 106.6 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 23.818 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampled :

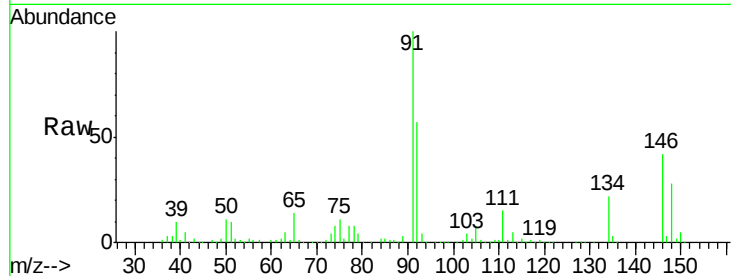
Tot Ion:146 Resp: 294283

Ion Ratio Lower Upper

146 100

111 36.6 19.4 58.2

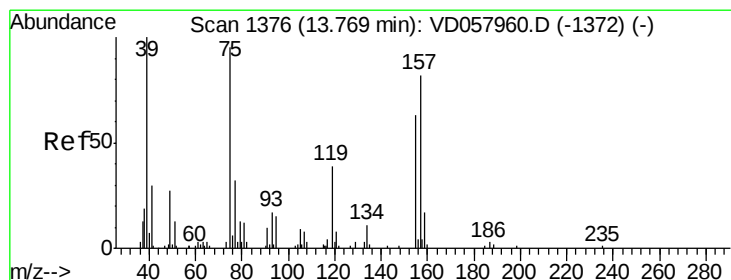
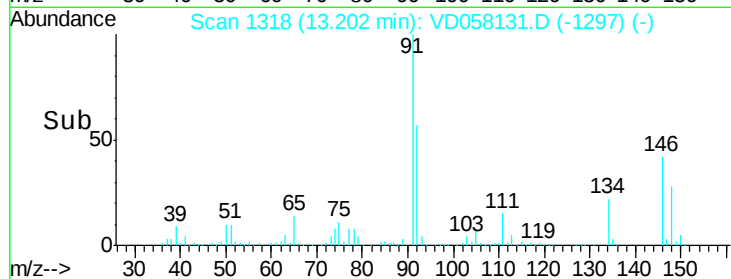
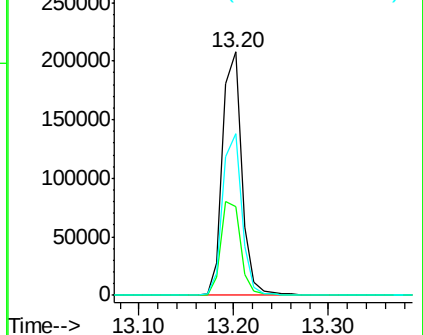
148 66.3 32.6 98.0



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: 21.182 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

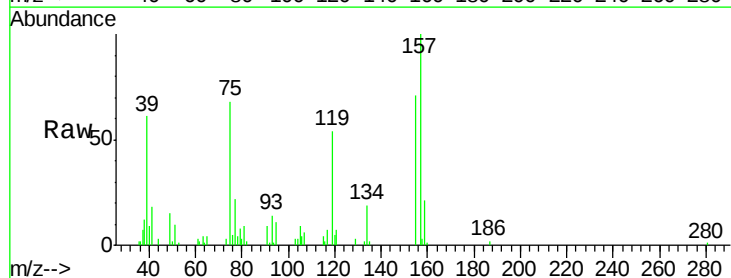
Tgt Ion: 75 Resp: 21763

Ion Ratio Lower Upper

75 100

155 104.2 33.4 100.1#

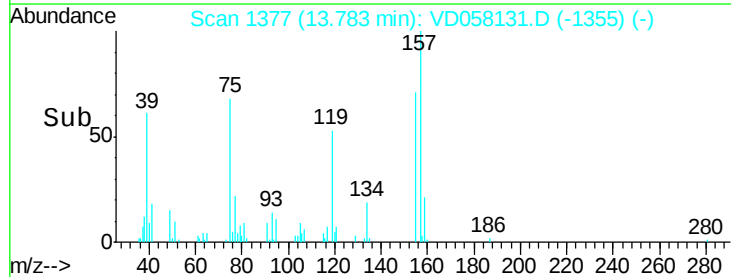
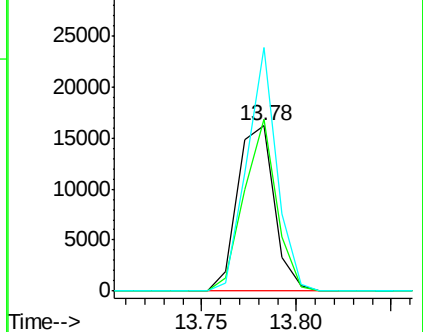
157 147.4 42.9 128.5#

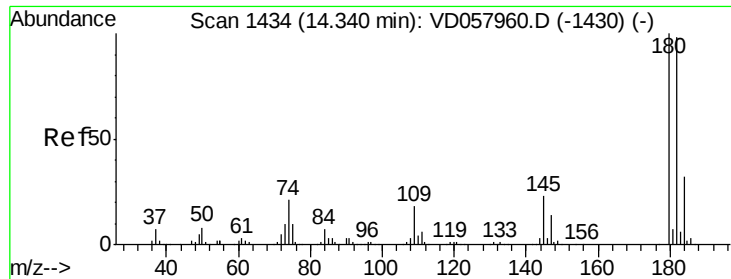


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

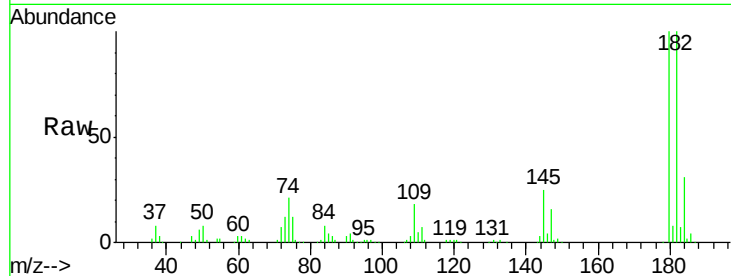




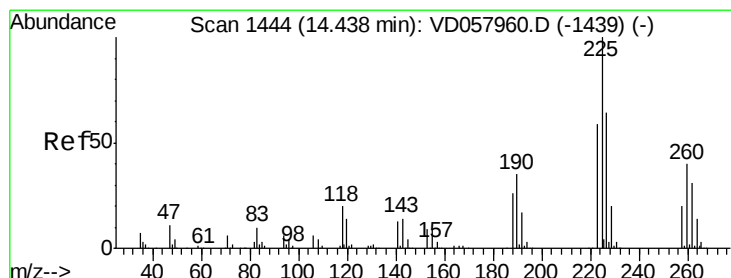
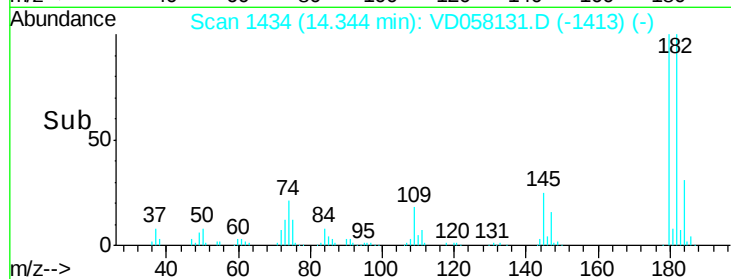
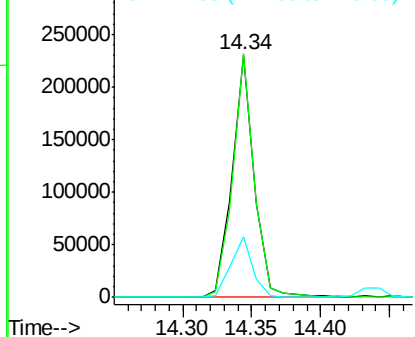
#93
 1,2,4-Trichlorobenzene
 Concen: 22.392 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 258477
 Ion Ratio Lower Upper
 180 100
 182 100.3 49.0 147.2
 145 24.7 11.8 35.3

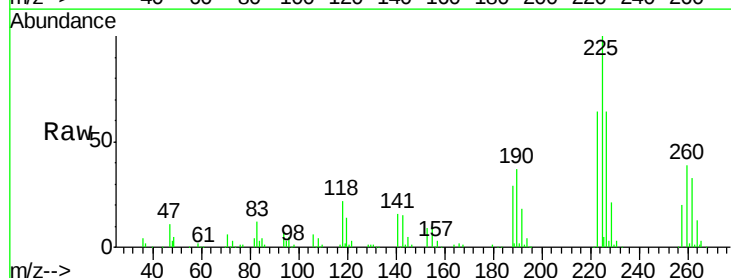


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

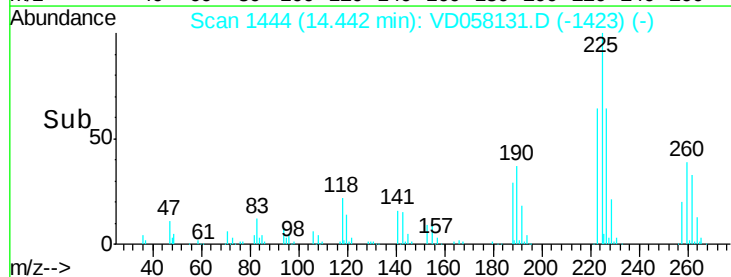
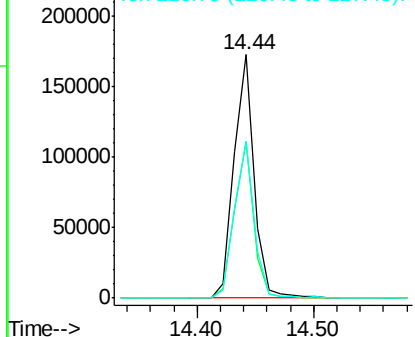


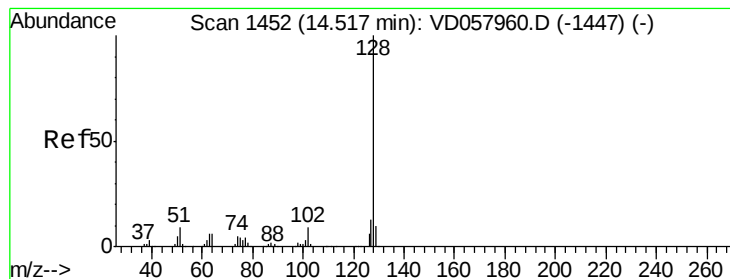
#94
 Hexachlorobutadiene
 Concen: 22.713 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058131.D
 Acq: 14 Jun 2018 13:06

Tgt Ion:225 Resp: 206226
 Ion Ratio Lower Upper
 225 100
 223 64.4 29.5 88.6
 227 64.4 32.0 96.0



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





#95

Naphthalene

Concen: 22.476 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058131.D

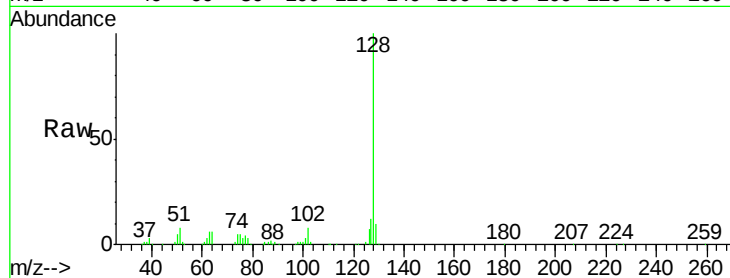
Acq: 14 Jun 2018 13:06

Instrument :

MSVOA_D

ClientSampleId :

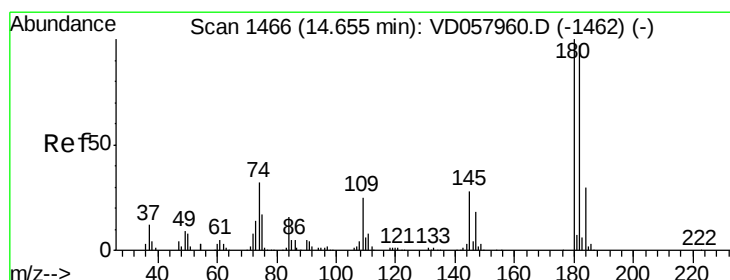
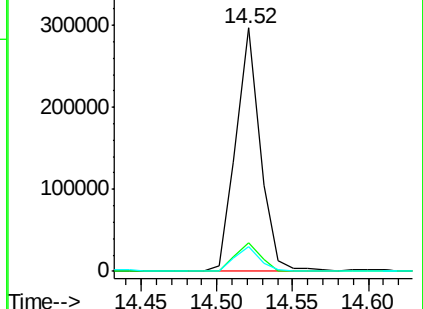
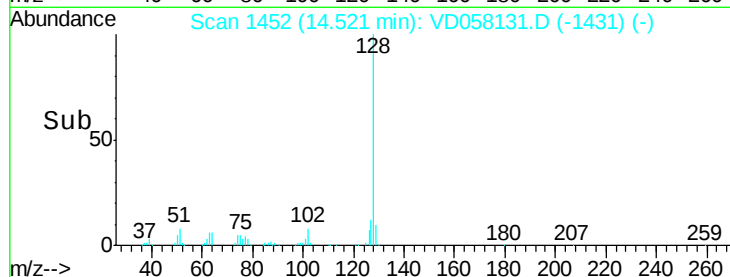
Tot Ion:	128	Resp:	334517
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.2	15.2
129	10.4	8.2	12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.198 ug/l

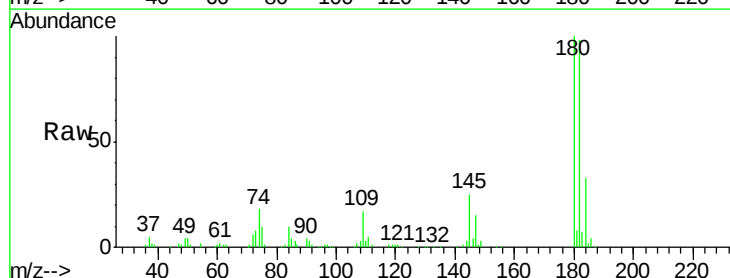
RT: 14.67 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD058131.D

Acq: 14 Jun 2018 13:06

Tgt Ion:	180	Resp:	218374
Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.5	145.5
145	25.5	14.2	42.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

