

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058155.D
 Acq On : 15 Jun 2018 16:38
 Operator : VA/AP
 Sample : VD0615SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 23:17:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	867368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1136853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	894595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	469599	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	399548	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	5.55	113	433581	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	8.71	98	981554	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.93	95	425543	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	255614	21.958	ug/l	96
3) Chloromethane	1.49	50	125989	21.975	ug/l	95
4) Vinyl Chloride	1.56	62	122575	22.087	ug/l	97
5) Bromomethane	1.79	94	36423	16.746	ug/l	100
6) Chloroethane	1.88	64	41189	18.812	ug/l #	87
7) Trichlorofluoromethane	2.08	101	153723	20.264	ug/l	96
8) Diethyl Ether	2.35	74	34623	24.568	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	96468	21.319	ug/l	96
10) Methyl Iodide	2.69	142	111486	19.095	ug/l	94
11) Tert butyl alcohol	3.20	59	11333	48.786	ug/l	98
12) 1,1-Dichloroethene	2.54	96	79147	22.752	ug/l	99
13) Acrolein	2.47	56	26547	79.797	ug/l	95
14) Allyl chloride	2.93	41	174332	21.724	ug/l	97
15) Acrylonitrile	3.36	53	104443	76.854	ug/l	96
16) Acetone	2.62	43	141125	112.960	ug/l	95
17) Carbon Disulfide	2.76	76	262222	20.808	ug/l	97
18) Methyl Acetate	2.94	43	51634	21.365	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	311347	20.340	ug/l	98
20) Methylene Chloride	3.06	84	93497	26.607	ug/l #	93
21) trans-1,2-Dichloroethene	3.40	96	122867	15.857	ug/l	93
22) Diisopropyl ether	4.08	45	678634	21.346	ug/l	98
23) Vinyl Acetate	4.02	43	1787257	108.806	ug/l	99
24) 1,1-Dichloroethane	3.97	63	390673	22.359	ug/l	99
25) 2-Butanone	4.85	43	293527	103.381	ug/l	96
26) 2,2-Dichloropropane	4.80	77	314541	21.854	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	202838	22.073	ug/l	96
28) Bromochloromethane	5.15	49	159139	21.044	ug/l	89
29) Tetrahydrofuran	5.19	42	152738	102.622	ug/l	98
30) Chloroform	5.33	83	385111	21.901	ug/l	100
31) Cyclohexane	5.59	56	310758	20.610	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	323074	21.943	ug/l	94
36) 1,1-Dichloropropene	5.75	75	281831	22.501	ug/l	97
37) Ethyl Acetate	4.93	43	140358	20.537	ug/l	96
38) Carbon Tetrachloride	5.72	117	281040	22.767	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	281773	22.694	ug/l	92
40) Benzene	6.02	78	648862	22.176	ug/l	98
41) Methacrylonitrile	5.13	41	73569	23.543	ug/l	97
42) 1,2-Dichloroethane	6.14	62	255309	21.581	ug/l	100
43) Isopropyl Acetate	7.62	43	185999	20.778	ug/l #	92
44) Trichloroethene	6.98	130	194078	22.708	ug/l	98
45) 1,2-Dichloropropane	7.35	63	172752	21.243	ug/l	93
46) Dibromomethane	7.46	93	118712	22.724	ug/l	95
47) Bromodichloromethane	7.75	83	266129	21.757	ug/l	98
48) Methyl methacrylate	7.51	41	109578	19.888	ug/l	95
49) 1,4-Dioxane	7.49	88	20230	443.209	ug/l #	86
51) 4-Methyl-2-Pentanone	8.60	43	637647	111.053	ug/l	99
52) Toluene	8.80	92	371481	22.122	ug/l	94
53) t-1,3-Dichloropropene	9.20	75	223054	21.166	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	274960	22.147	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	125070	23.013	ug/l	94
56) Ethyl methacrylate	9.32	69	142508	21.377	ug/l	98
57) 1,3-Dichloropropane	9.67	76	216558	22.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	389852	115.748	ug/l	97
59) 2-Hexanone	9.79	43	477522	113.484	ug/l	98
60) Dibromochloromethane	9.96	129	170800	22.287	ug/l	94
61) 1,2-Dibromoethane	10.09	107	136938	21.910	ug/l	99
64) Tetrachloroethene	9.51	164	187563	23.452	ug/l	97
65) Chlorobenzene	10.72	112	425420	23.490	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	159800	22.966	ug/l	98
67) Ethyl Benzene	10.86	91	768220	23.479	ug/l	99
68) m/p-Xylenes	11.02	106	519170	48.674	ug/l	95
69) o-Xylene	11.41	106	237087	22.393	ug/l	99
70) Styrene	11.43	104	404932	23.103	ug/l	98
71) Bromoform	11.60	173	116993	22.351	ug/l	96
73) Isopropylbenzene	11.78	105	699458	22.488	ug/l	100
74) N-amyl acetate	11.65	43	255462	21.285	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	146592	21.617	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	155081	21.985	ug/l	97
77) Bromobenzene	12.04	156	200745	21.804	ug/l	93
78) n-propylbenzene	12.16	91	917405	22.666	ug/l	100
79) 2-Chlorotoluene	12.22	91	529059	22.913	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	531022	21.892	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	39458	22.584	ug/l	90
82) 4-Chlorotoluene	12.33	91	569804	23.701	ug/l	95
83) tert-Butylbenzene	12.57	119	624624	22.805	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	587091	22.510	ug/l	95
85) sec-Butylbenzene	12.76	105	734874	22.232	ug/l	97
86) p-Isopropyltoluene	12.89	119	596970	22.407	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	348666	22.387	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	332090	21.885	ug/l	97
89) n-Butylbenzene	13.19	91	647287	24.752	ug/l	97
90) Hexachloroethane	13.40	117	151784	22.321	ug/l	71
91) 1,2-Dichlorobenzene	13.19	146	297617	23.647	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	23338	22.299	ug/l	93

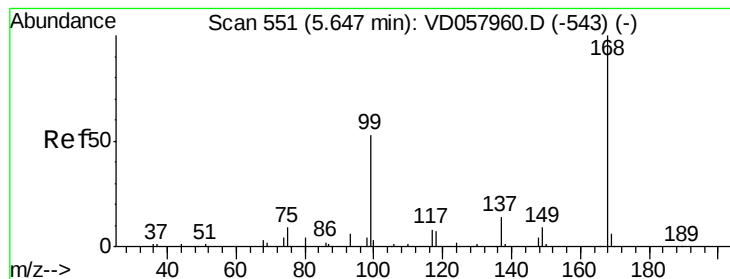
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	278090	23.650	ug/l	99
94) Hexachlorobutadiene	14.43	225	211417	22.858	ug/l	98
95) Naphthalene	14.52	128	346071	22.827	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	237254	23.676	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

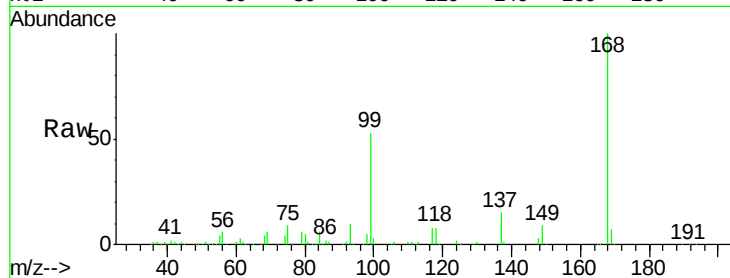
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 867368

Ion Ratio Lower Upper

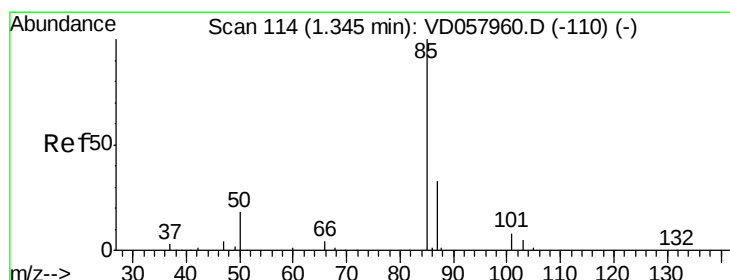
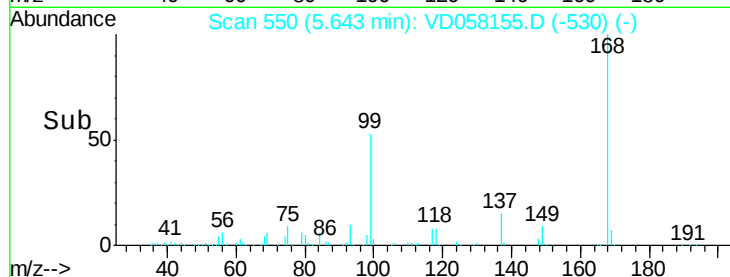
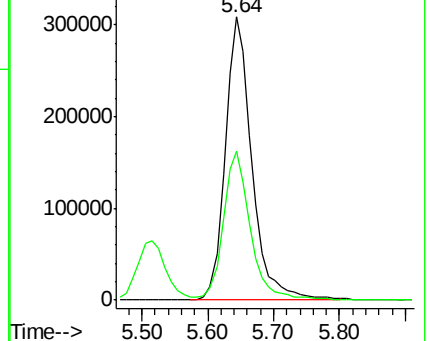
168 100

99 52.8 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: 21.958 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD058155.D

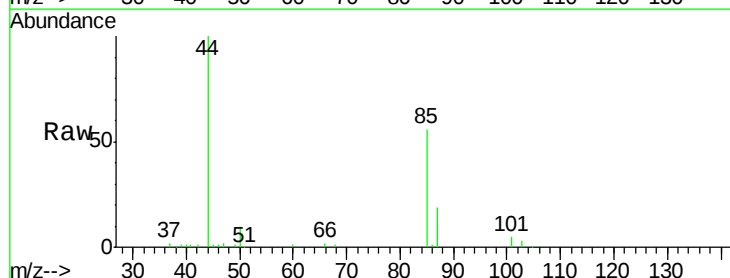
Acq: 15 Jun 2018 16:38

Tgt Ion: 85 Resp: 255614

Ion Ratio Lower Upper

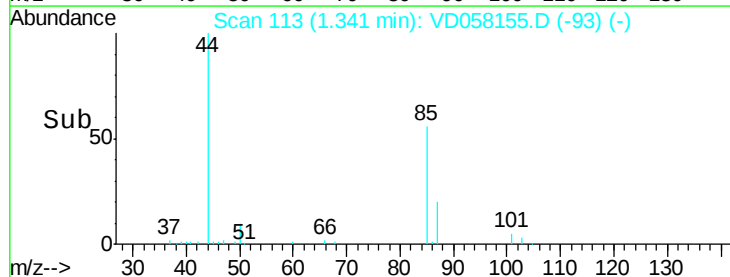
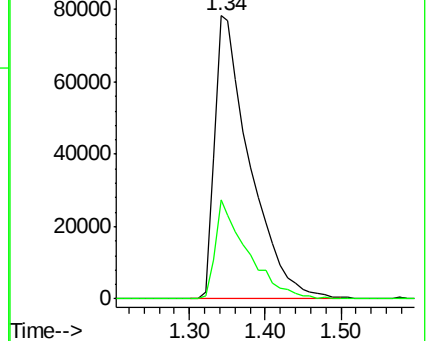
85 100

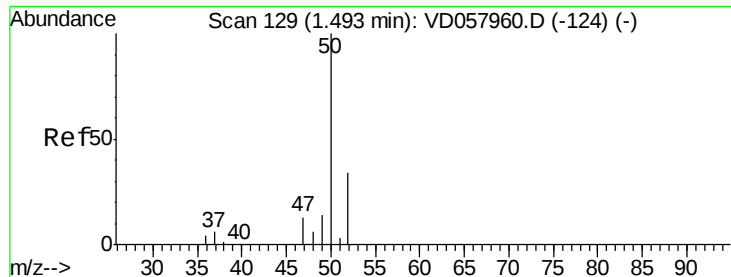
87 35.0 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.975 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

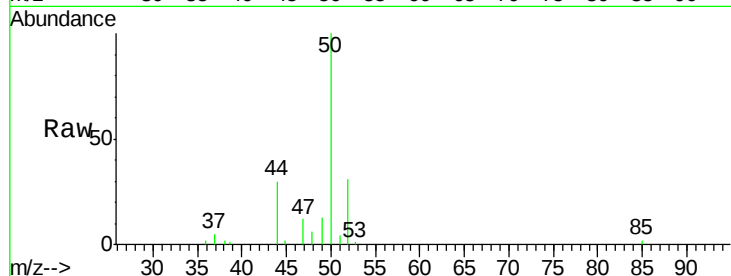
ClientSampleId :

Tot Ion: 50 Resp: 125989

Ion Ratio Lower Upper

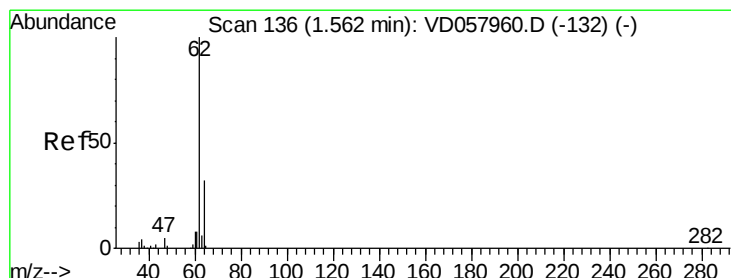
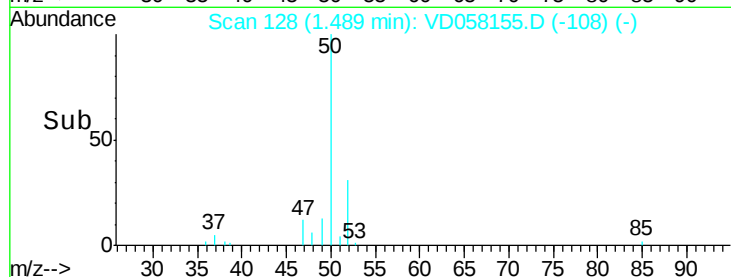
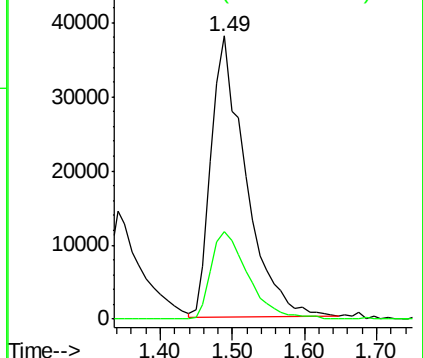
50 100

52 31.1 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: 22.087 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058155.D

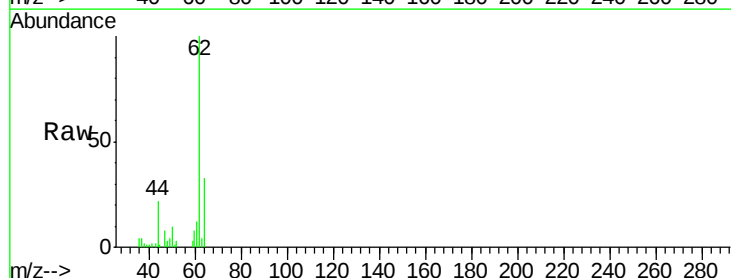
Acq: 15 Jun 2018 16:38

Tgt Ion: 62 Resp: 122575

Ion Ratio Lower Upper

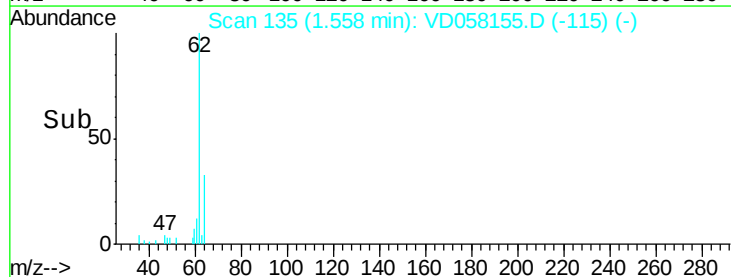
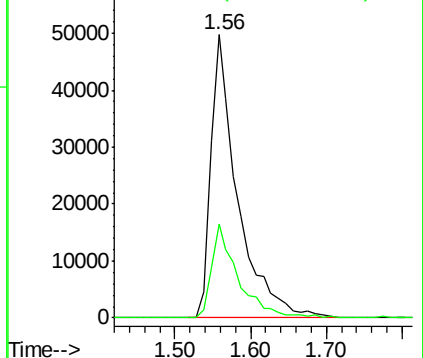
62 100

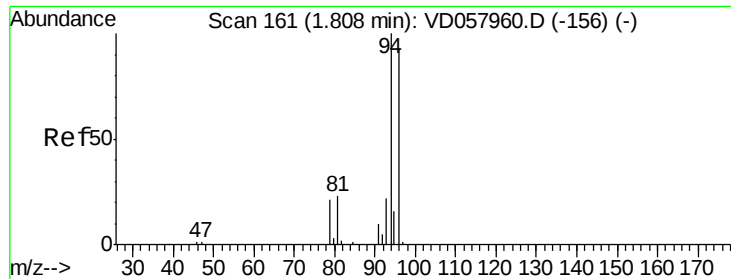
64 33.3 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.746 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

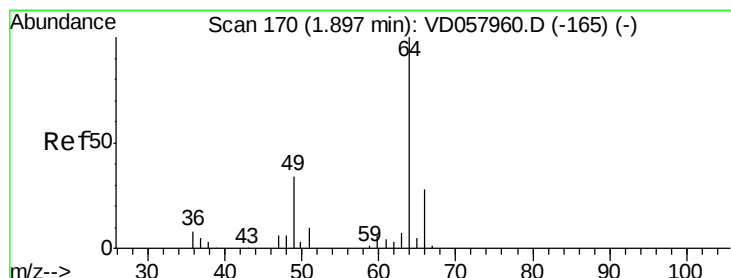
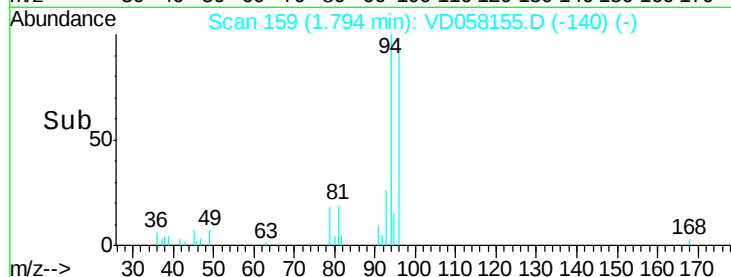
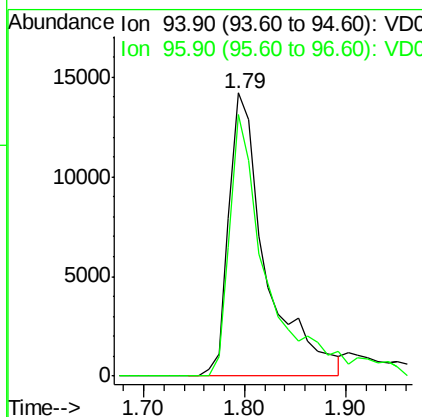
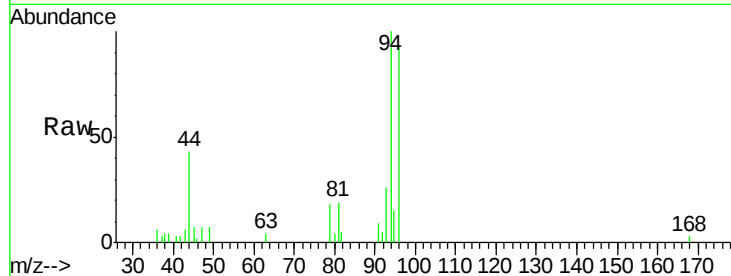
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 36423

Ion Ratio Lower Upper

94 100

96 92.6 74.3 111.5



#6

Chloroethane

Concen: 18.812 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD058155.D

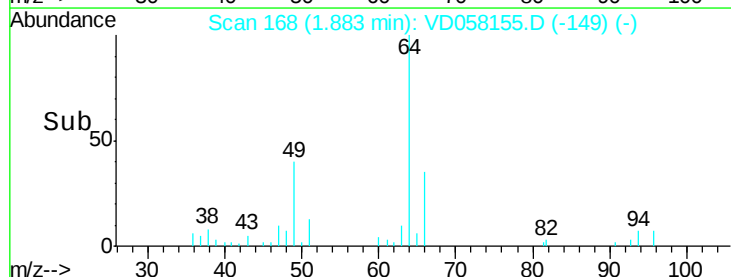
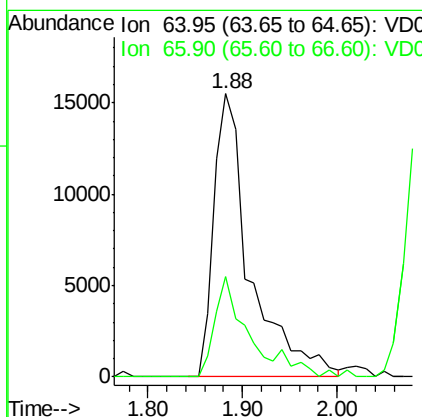
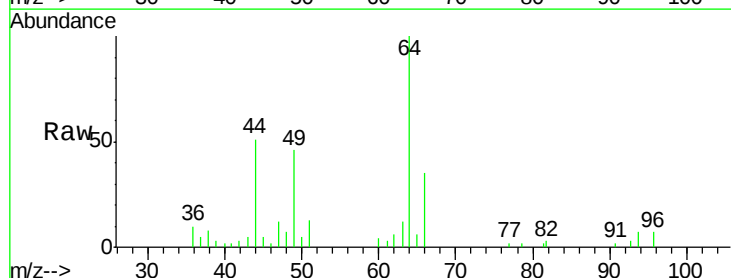
Acq: 15 Jun 2018 16:38

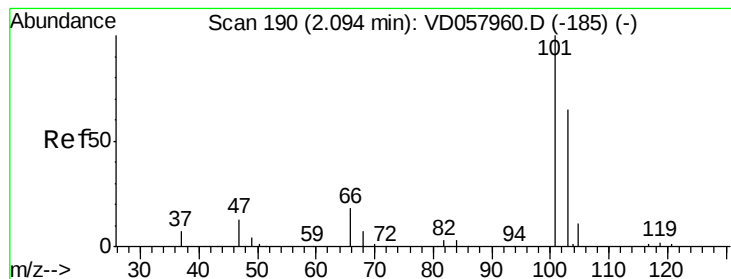
Tgt Ion: 64 Resp: 41189

Ion Ratio Lower Upper

64 100

66 35.5 22.8 34.2#



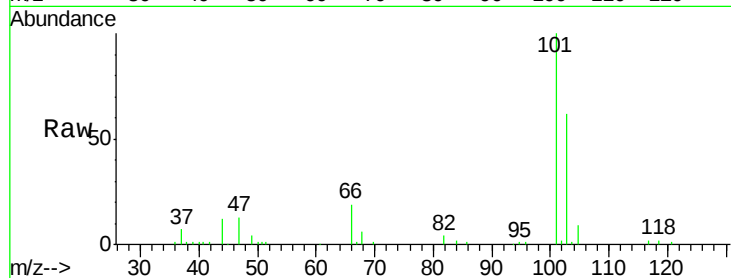


#7

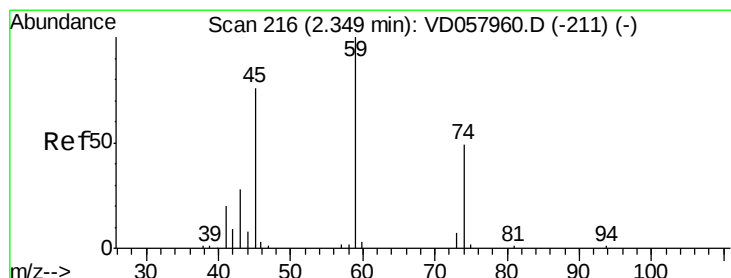
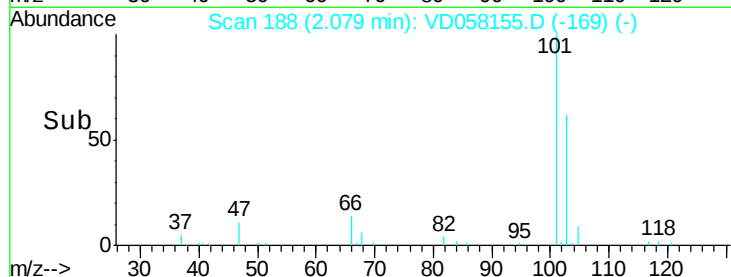
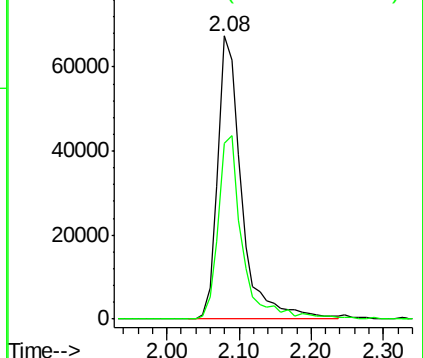
Trichlorofluoromethane
 Concen: 20.264 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 153723
 Ion Ratio Lower Upper
 101 100
 103 62.0 52.4 78.6



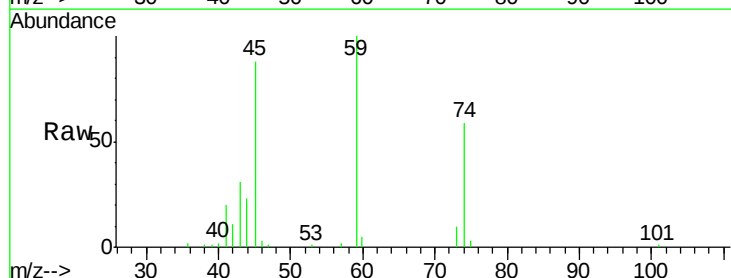
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



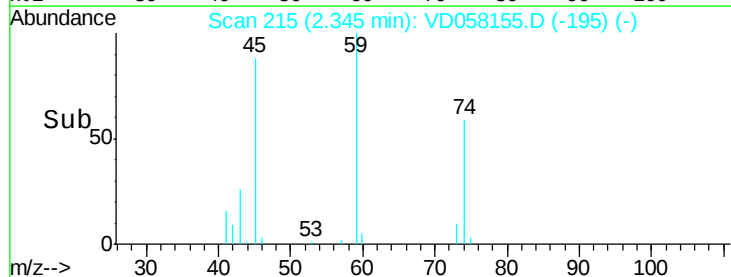
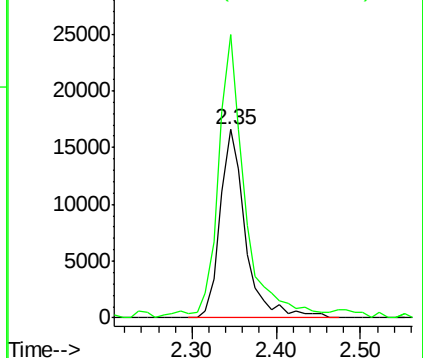
#8

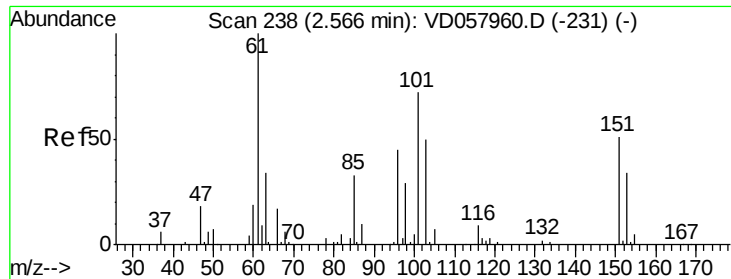
Diethyl Ether
 Concen: 24.568 ug/l
 RT: 2.35 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion: 74 Resp: 34623
 Ion Ratio Lower Upper
 74 100
 45 150.3 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: 21.319 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampled :

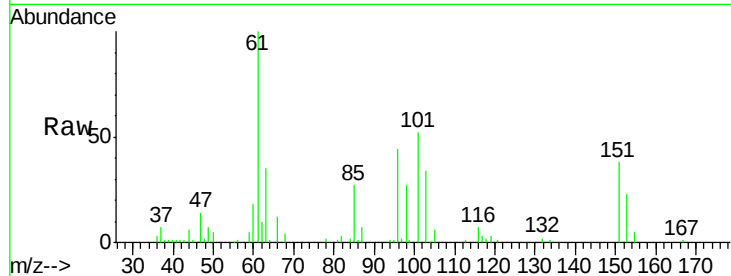
Tot Ion:101 Resp: 96468

Ion Ratio Lower Upper

101 100

85 52.4 37.3 55.9

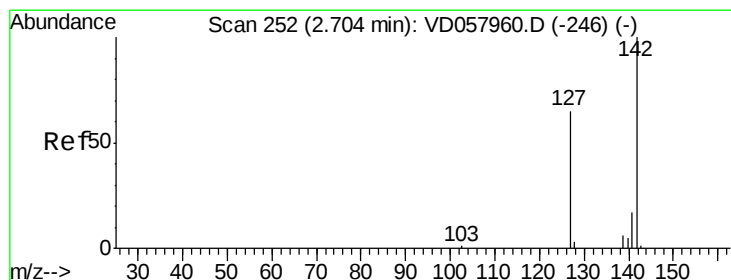
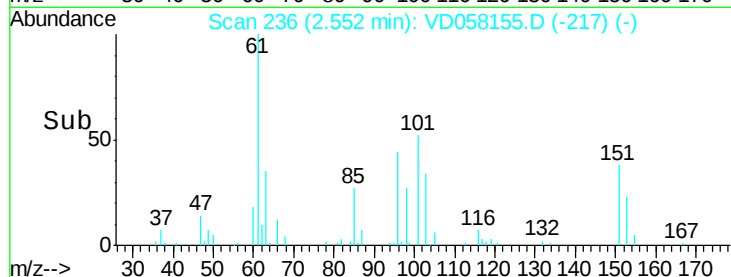
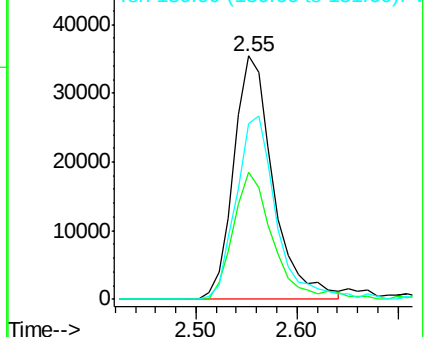
151 72.4 57.0 85.6



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: 19.095 ug/l

RT: 2.69 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

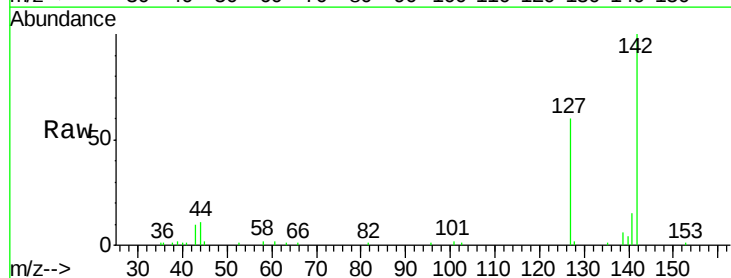
Tgt Ion:142 Resp: 111486

Ion Ratio Lower Upper

142 100

127 59.5 52.0 78.0

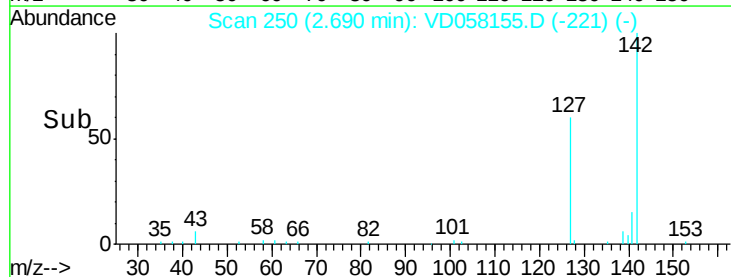
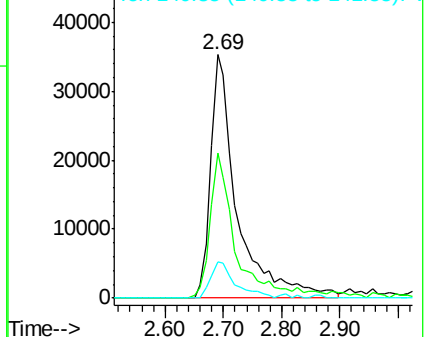
141 15.0 13.2 19.8

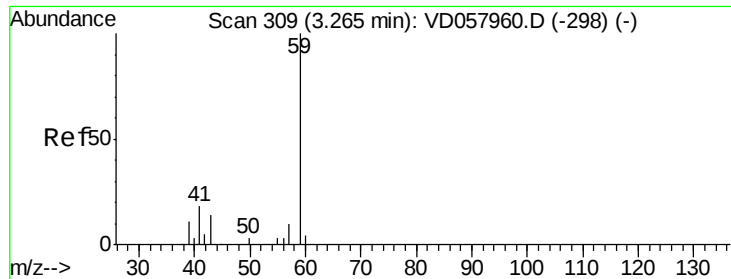


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



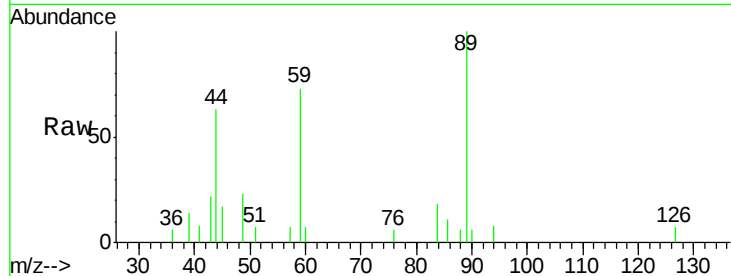


#11

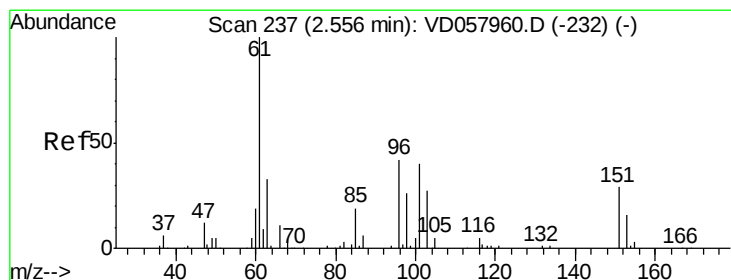
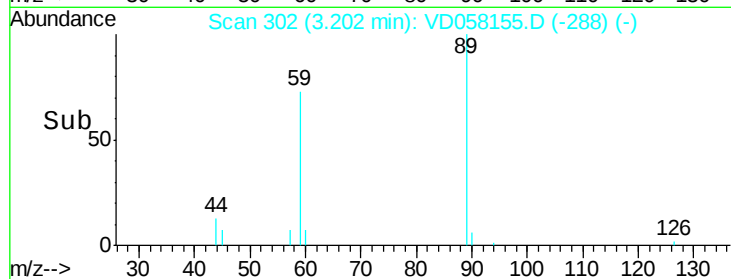
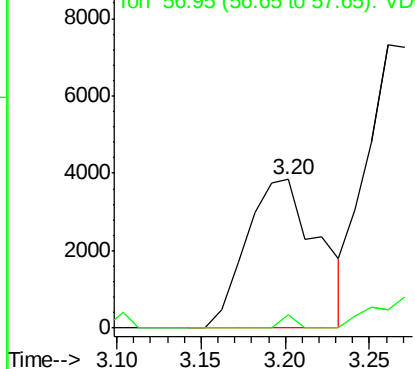
Tert butyl alcohol
 Concen: 48.786 ug/l
 RT: 3.20 min Scan# 302
 Delta R.T. -0.06 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 11333
 Ion Ratio Lower Upper
 59 100
 57 9.0 7.8 11.6



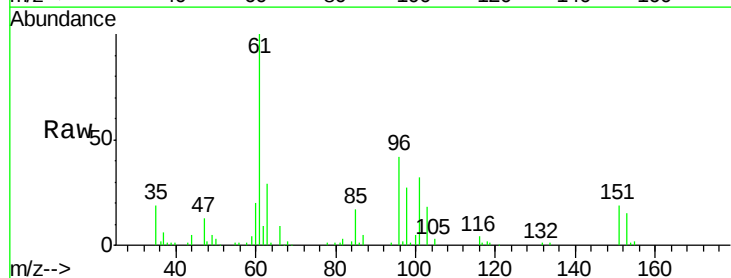
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



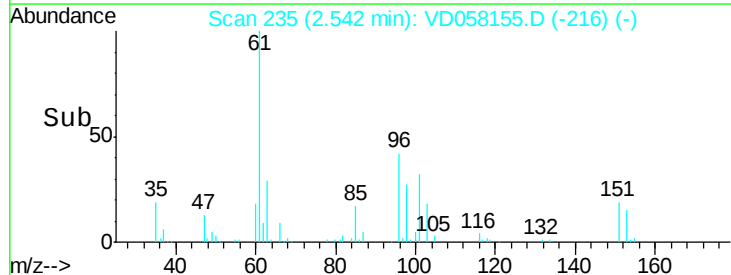
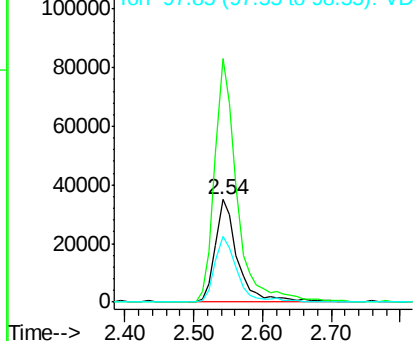
#12

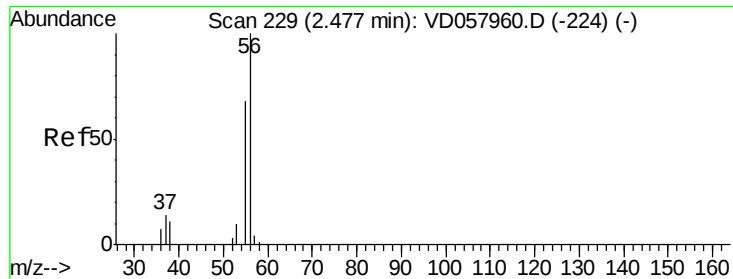
1,1-Dichloroethene
 Concen: 22.752 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion: 96 Resp: 79147
 Ion Ratio Lower Upper
 96 100
 61 237.8 190.2 285.4
 98 64.1 49.6 74.4



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





#13

Acrolein

Concen: 79.797 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

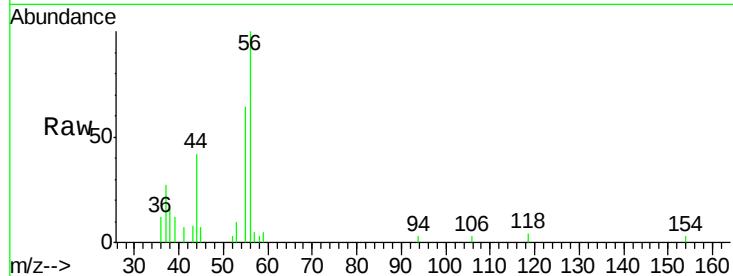
ClientSampleId :

Tot Ion: 56 Resp: 26547

Ion Ratio Lower Upper

56 100

55 63.6 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

12000

10000

8000

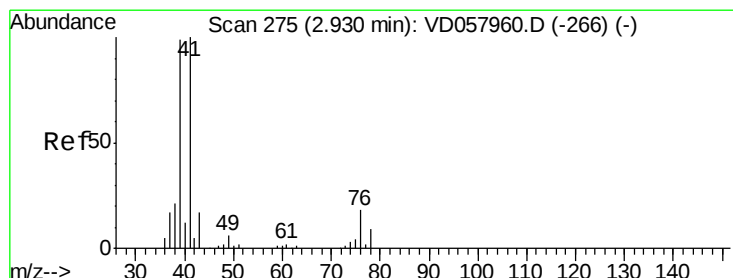
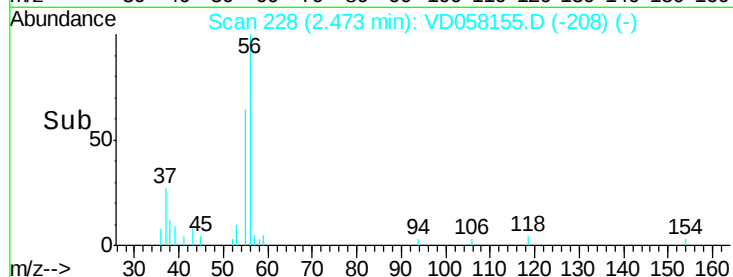
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.724 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

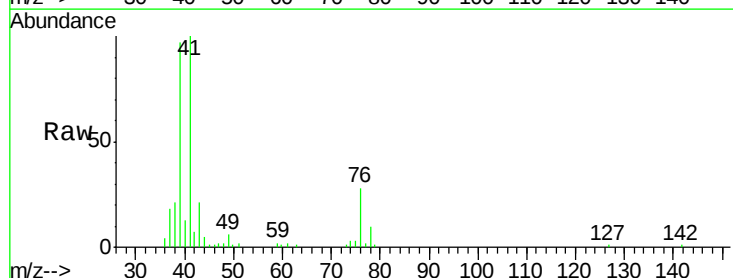
Tgt Ion: 41 Resp: 174332

Ion Ratio Lower Upper

41 100

39 97.0 79.5 119.3

76 28.2 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

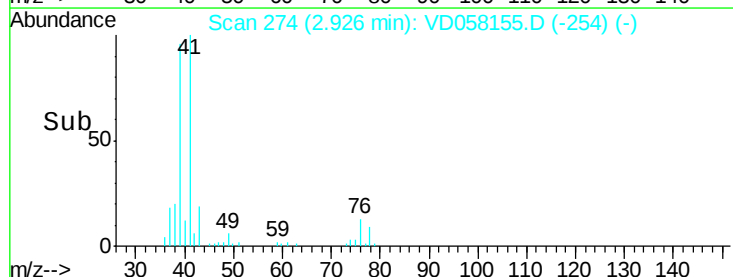
150000

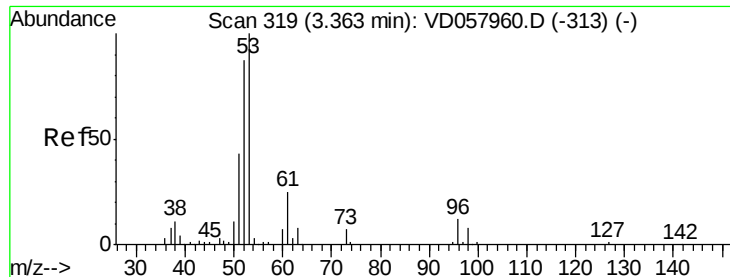
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 76.854 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

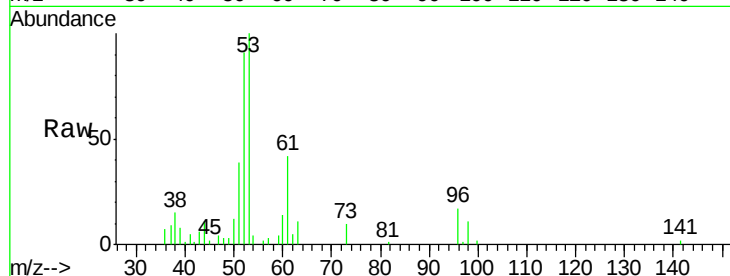
Tot Ion: 53 Resp: 104443

Ion Ratio Lower Upper

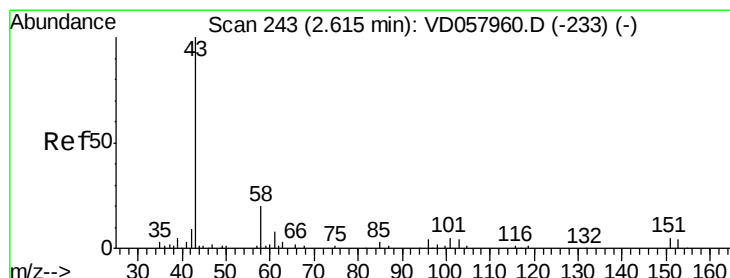
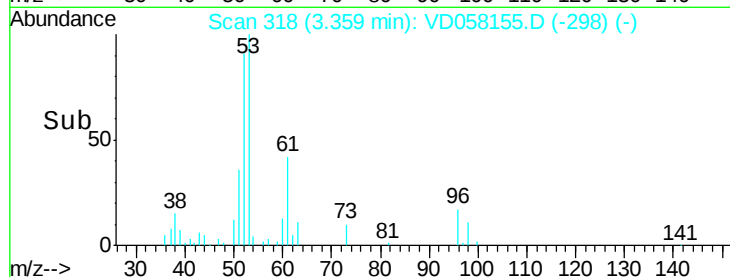
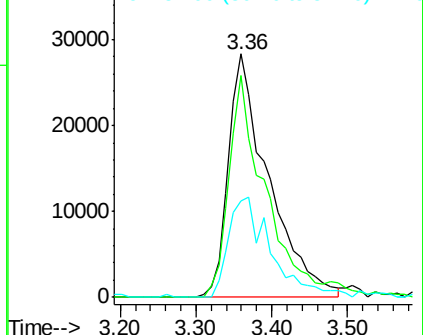
53 100

52 91.0 69.9 104.9

51 39.4 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: 112.960 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058155.D

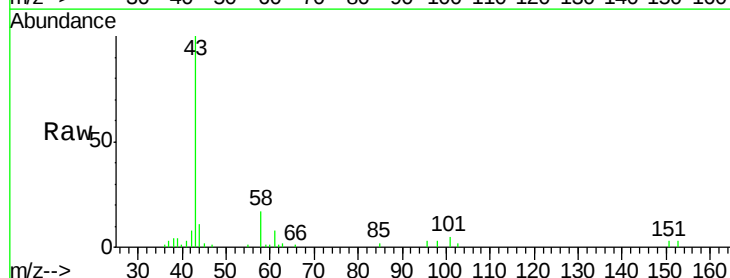
Acq: 15 Jun 2018 16:38

Tgt Ion: 43 Resp: 141125

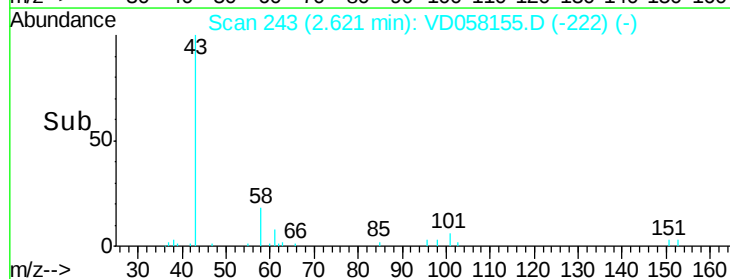
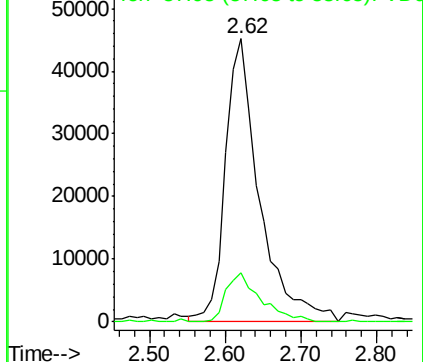
Ion Ratio Lower Upper

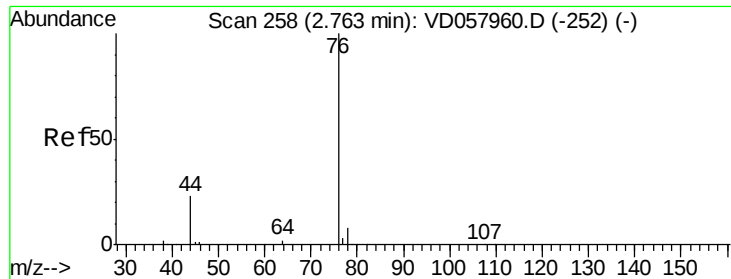
43 100

58 17.4 15.8 23.8



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

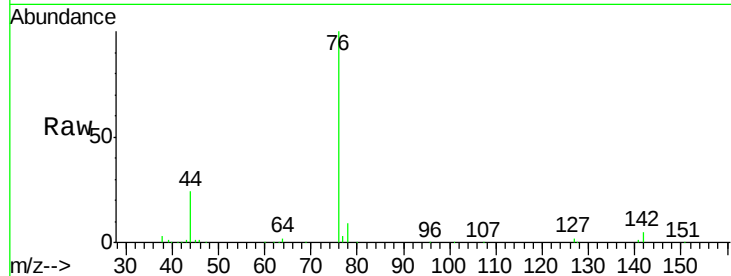




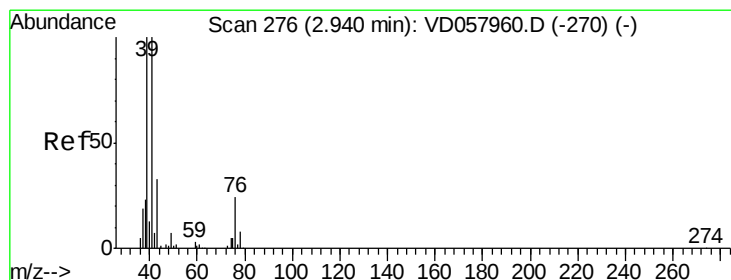
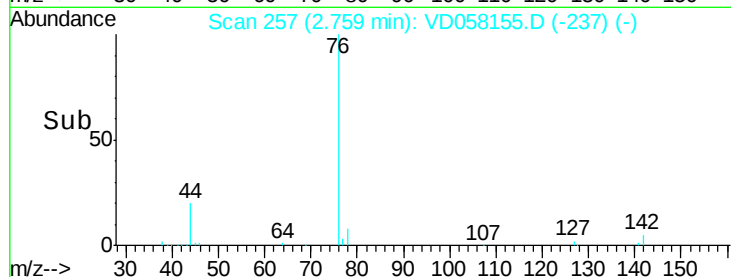
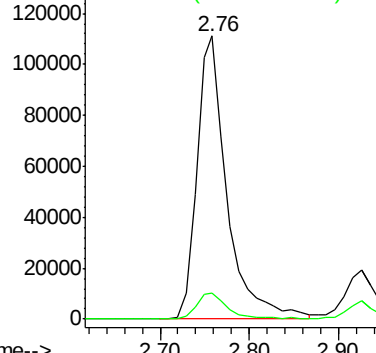
#17
Carbon Disulfide
Concen: 20.808 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 262222
Ion Ratio Lower Upper
76 100
78 9.4 6.7 10.1

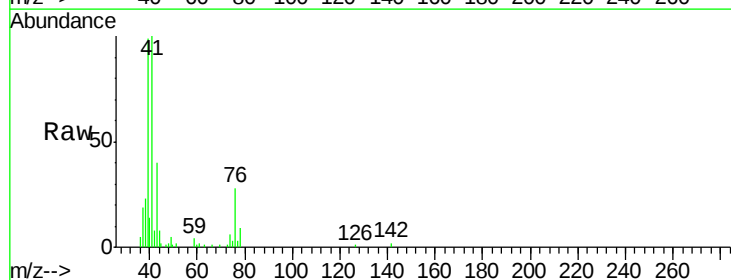


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

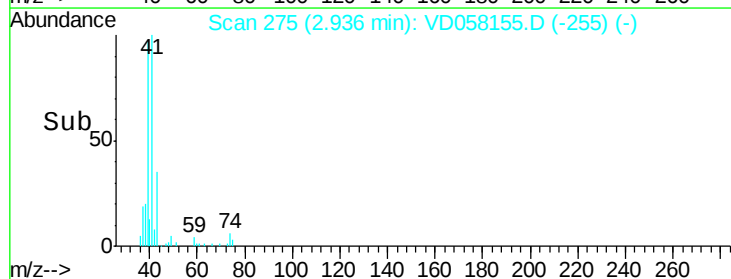
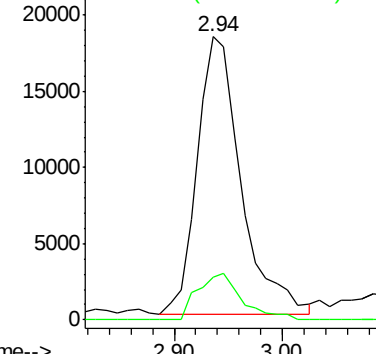


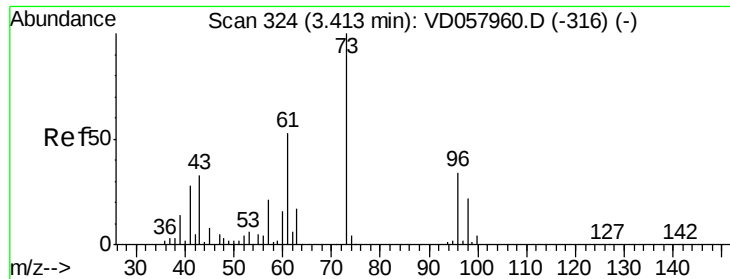
#18
Methyl Acetate
Concen: 21.365 ug/l
RT: 2.94 min Scan# 275
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 43 Resp: 51634
Ion Ratio Lower Upper
43 100
74 15.3 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

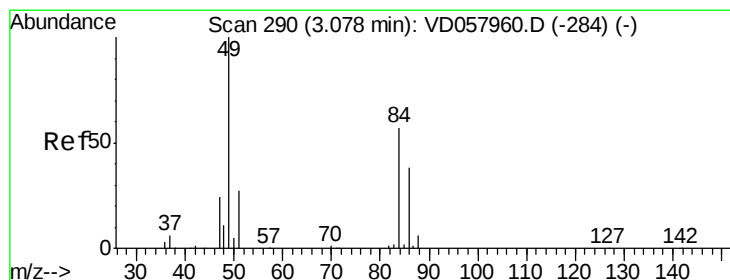
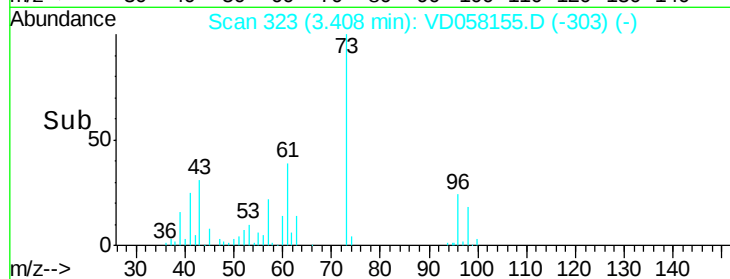
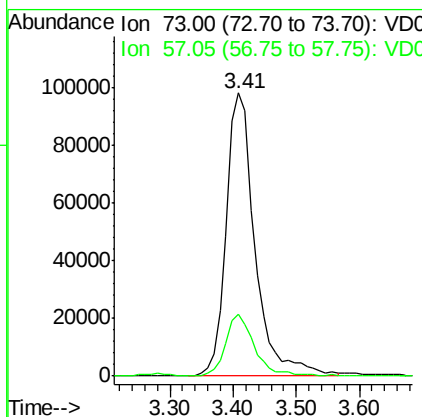
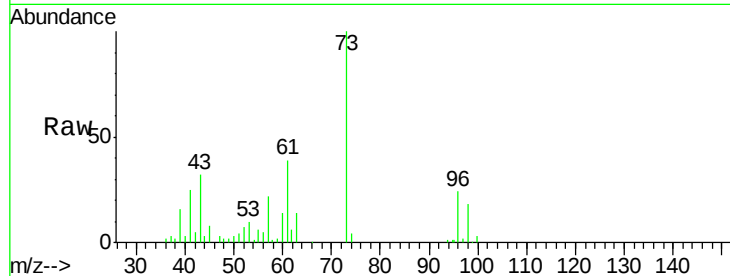




#19
Methyl tert-butyl Ether
Concen: 20.340 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

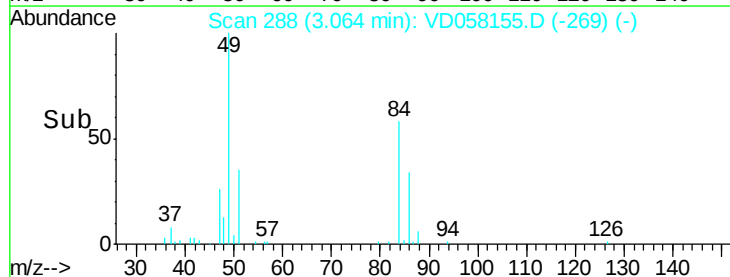
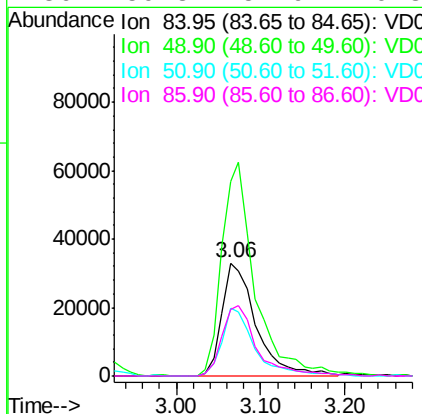
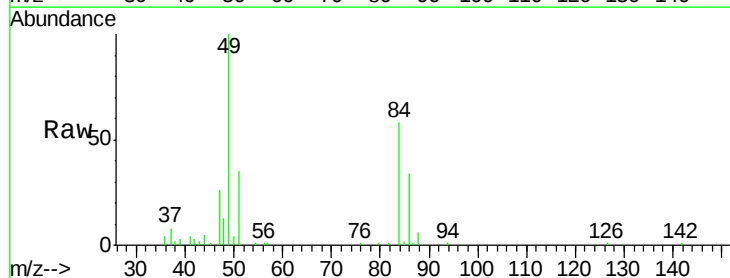
Instrument :
MSVOA_D
ClientSampled :

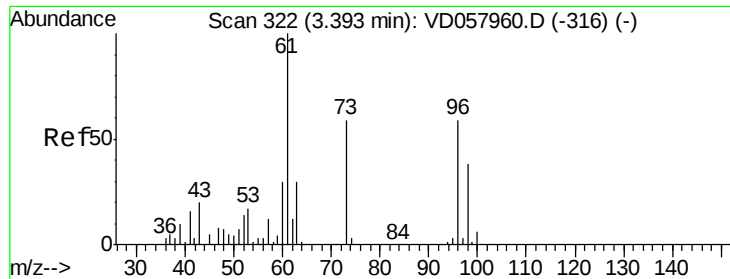
Tot Ion: 73 Resp: 311347
Ion Ratio Lower Upper
73 100
57 21.9 16.7 25.1



#20
Methylene Chloride
Concen: 26.607 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 84 Resp: 93497
Ion Ratio Lower Upper
84 100
49 172.8 141.4 212.0
51 60.4 38.3 57.5#
86 59.3 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 15.857 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

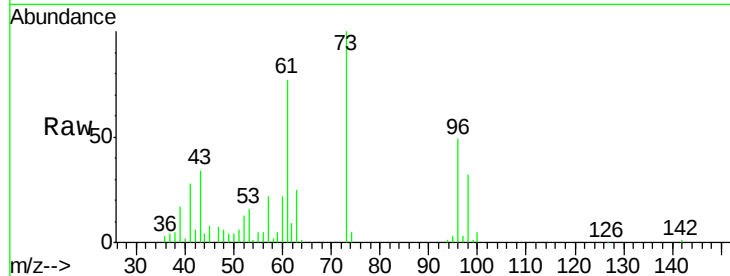
Tot Ion: 96 Resp: 122867

Ion Ratio Lower Upper

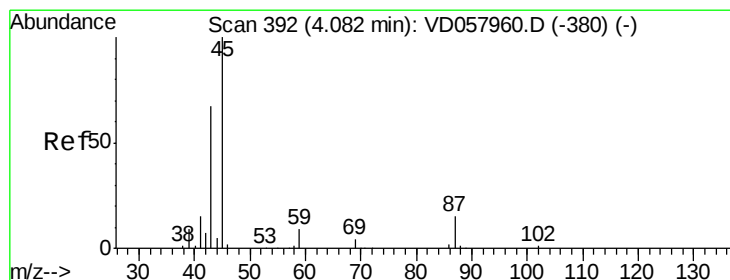
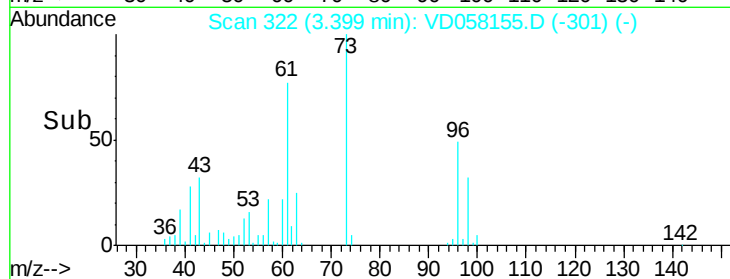
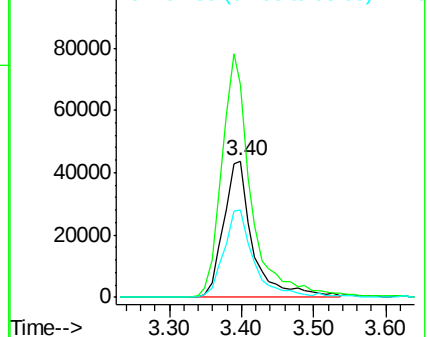
96 100

61 156.3 135.2 202.8

98 64.1 51.7 77.5



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



#22

Diisopropyl ether

Concen: 21.346 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Tgt Ion: 45 Resp: 678634

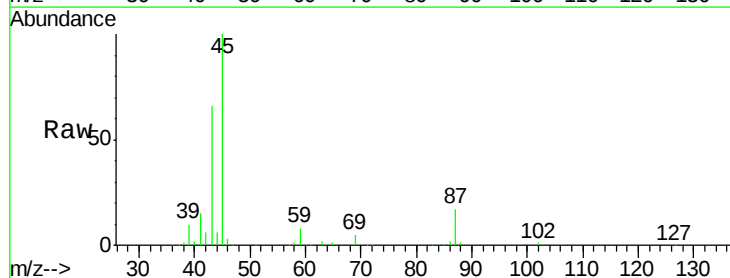
Ion Ratio Lower Upper

45 100

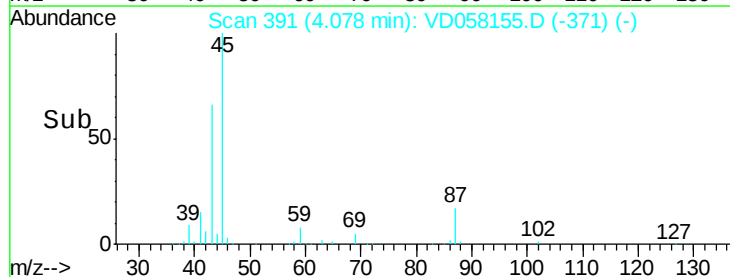
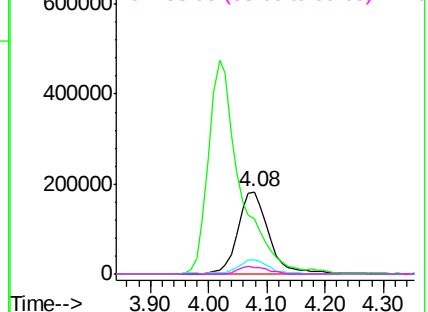
43 66.4 53.8 80.8

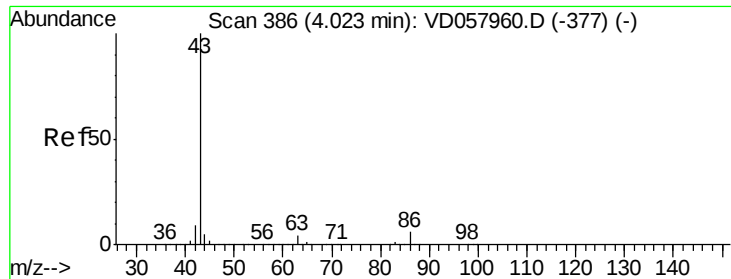
87 17.3 12.5 18.7

59 8.5 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: 108.806 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

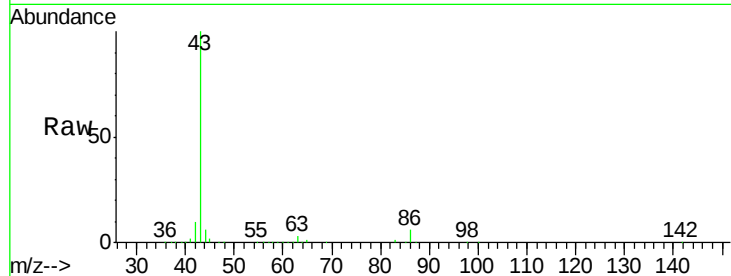
ClientSampleId :

Tot Ion: 43 Resp: 1787257

Ion Ratio Lower Upper

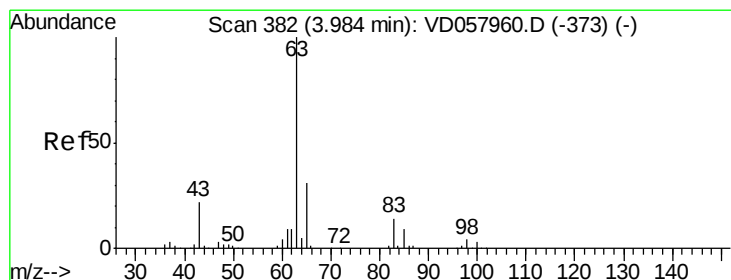
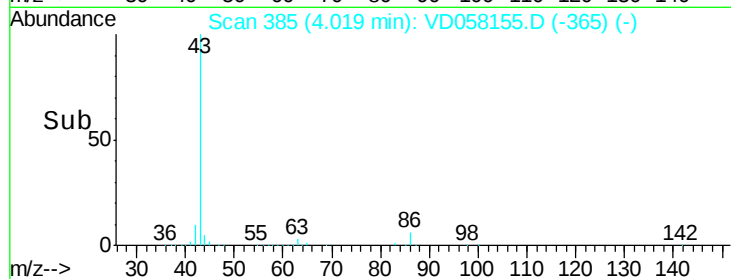
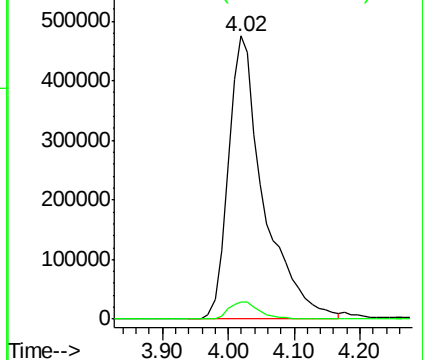
43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.359 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

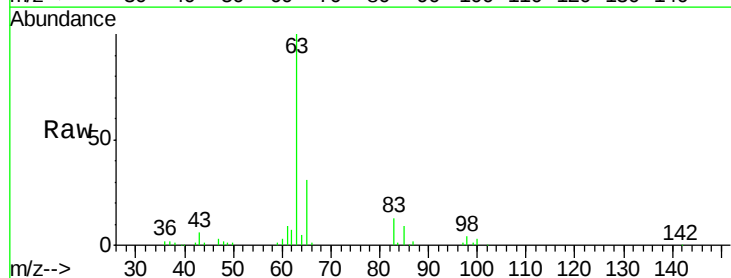
Tgt Ion: 63 Resp: 390673

Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

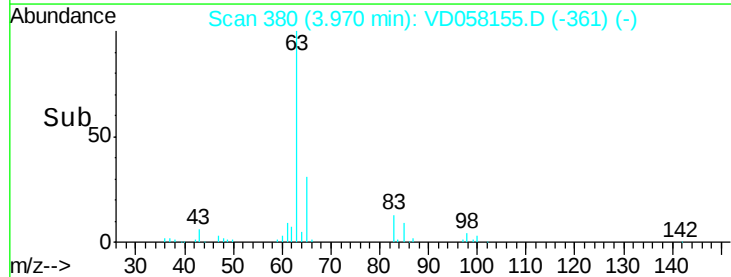
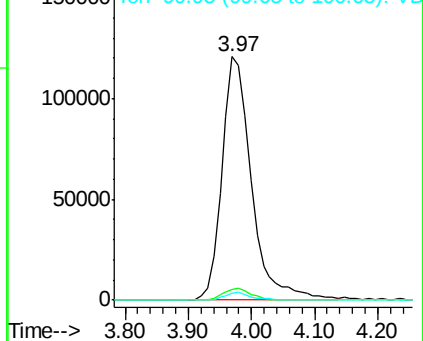
100 2.8 1.4 4.2

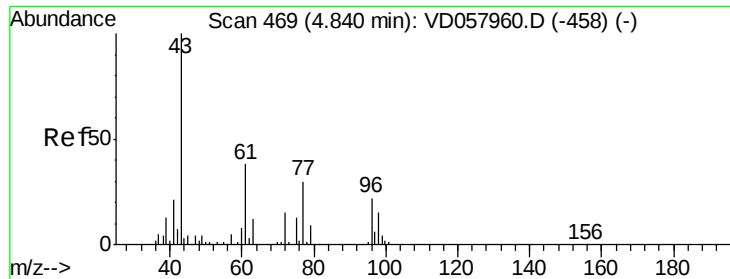


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.381 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

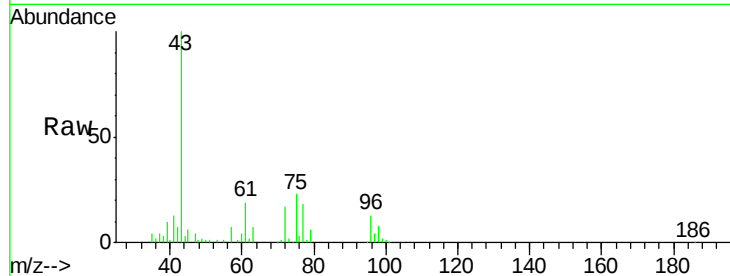
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 293527

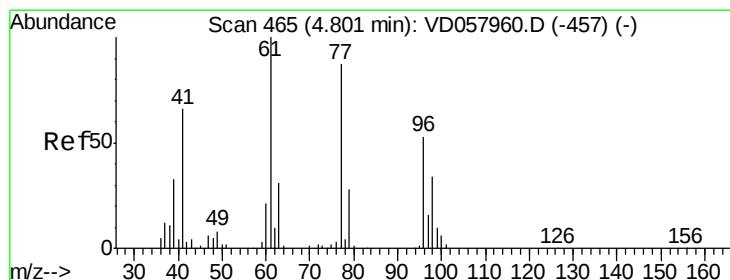
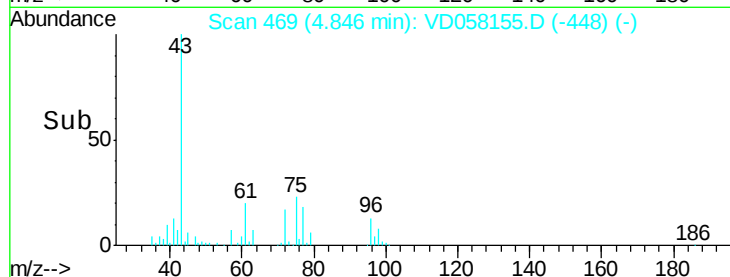
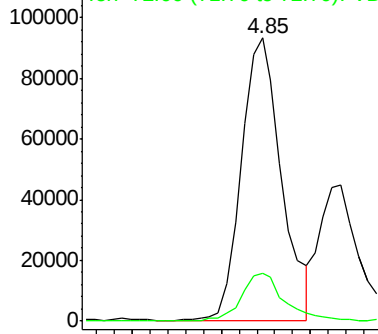
Ion Ratio Lower Upper

43 100

72 16.9 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: 21.854 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD058155.D

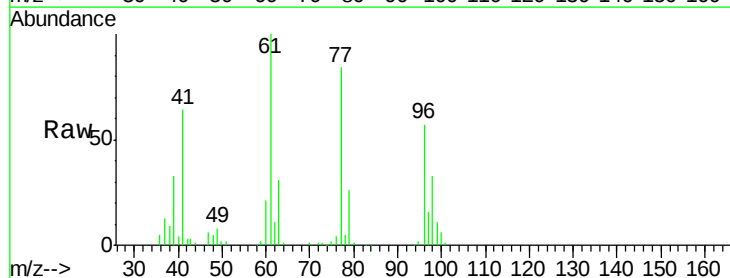
Acq: 15 Jun 2018 16:38

Tgt Ion: 77 Resp: 314541

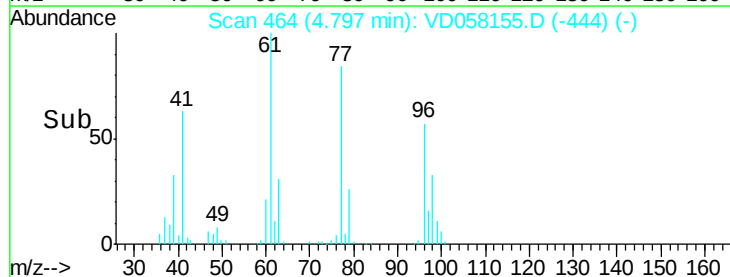
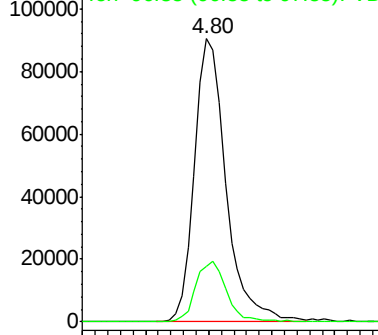
Ion Ratio Lower Upper

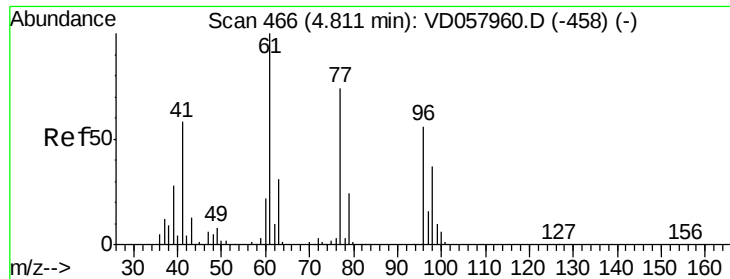
77 100

97 19.6 9.2 27.6



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



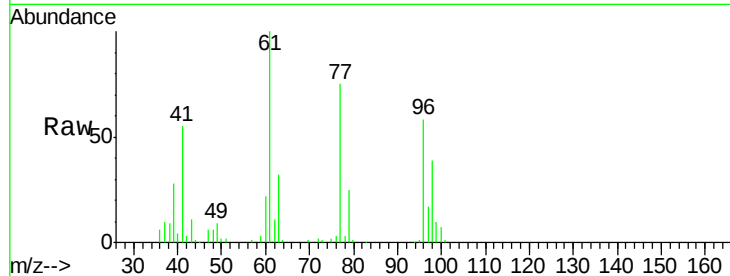


#27

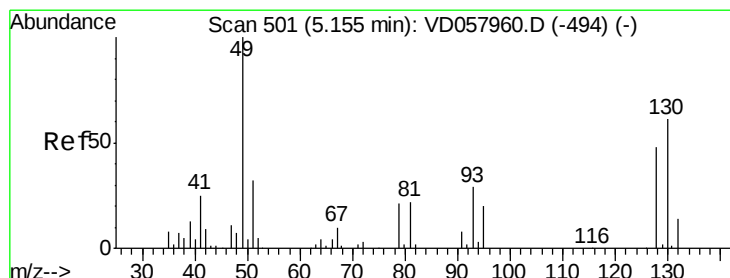
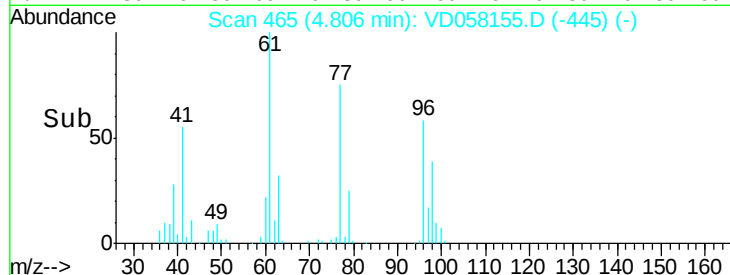
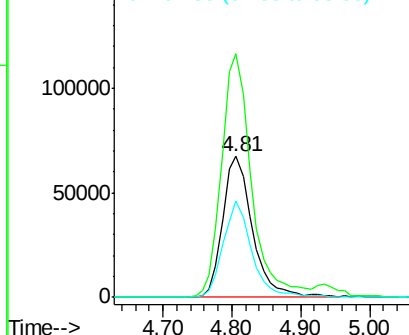
cis-1,2-Dichloroethene
 Concen: 22.073 ug/l
 RT: 4.81 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 202838
 Ion Ratio Lower Upper
 96 100
 61 172.5 0.0 355.0
 98 68.1 0.0 129.6



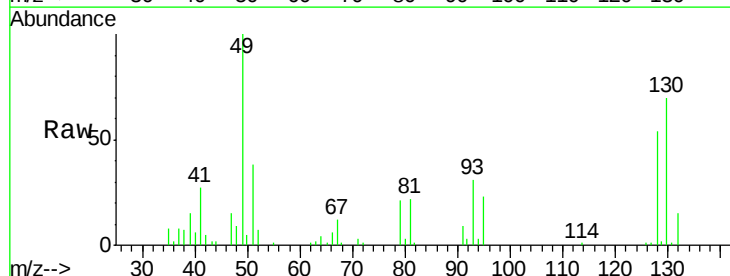
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



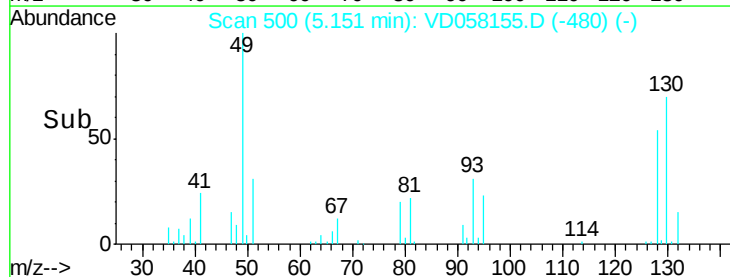
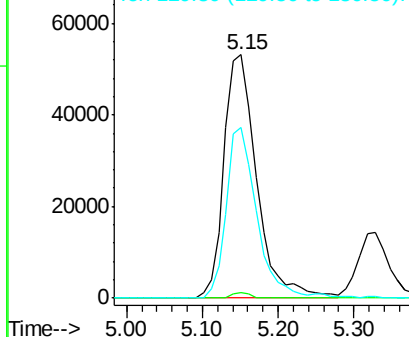
#28

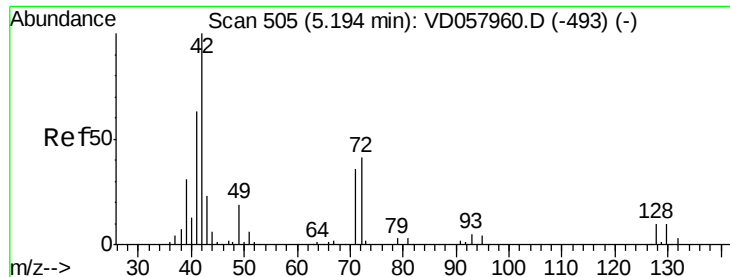
Bromochloromethane
 Concen: 21.044 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion: 49 Resp: 159139
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.6
 130 70.0 48.8 73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

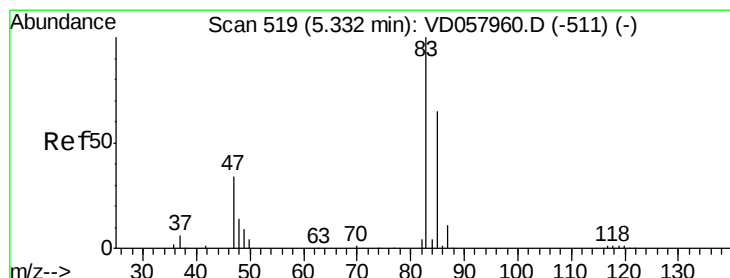
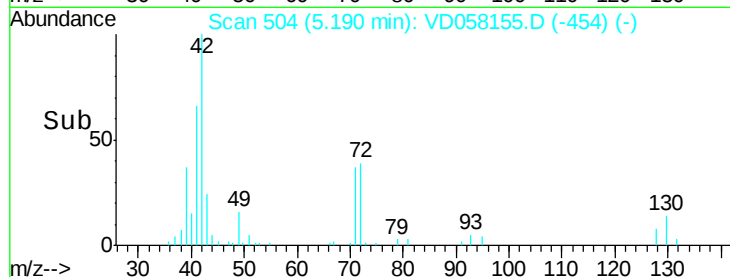
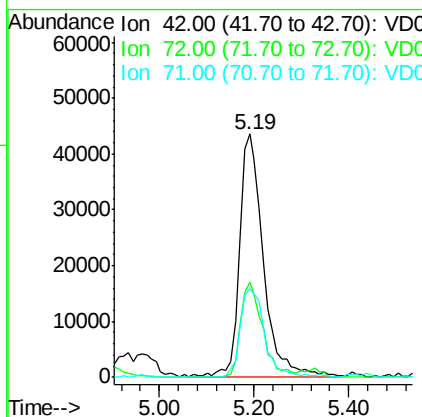
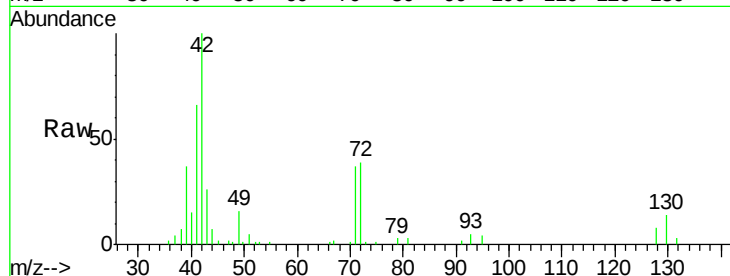




#29
Tetrahydrofuran
Concen: 102.622 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

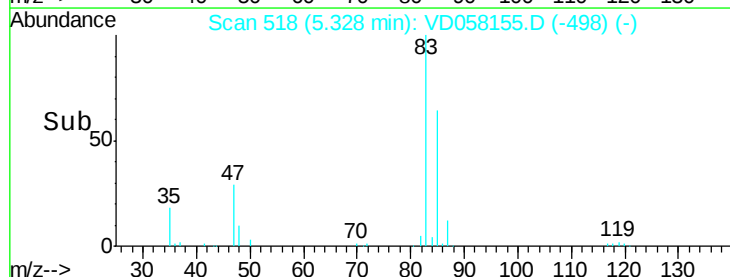
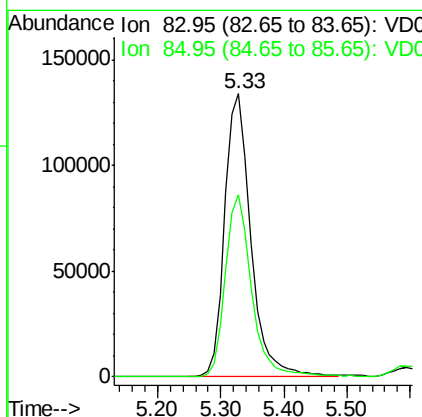
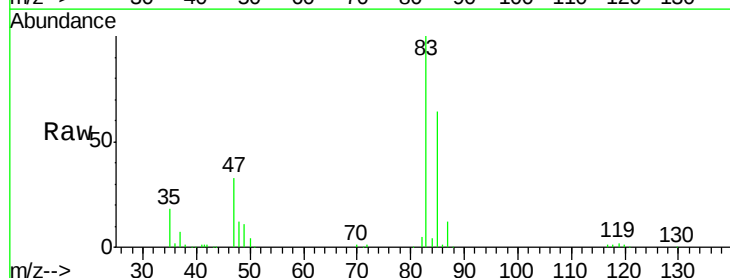
Instrument :
MSVOA_D
ClientSampled :

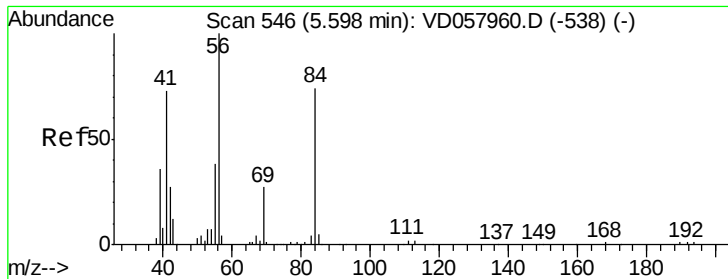
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	28.5	42.7
71	36.9	27.9	41.9



#30
Chloroform
Concen: 21.901 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4

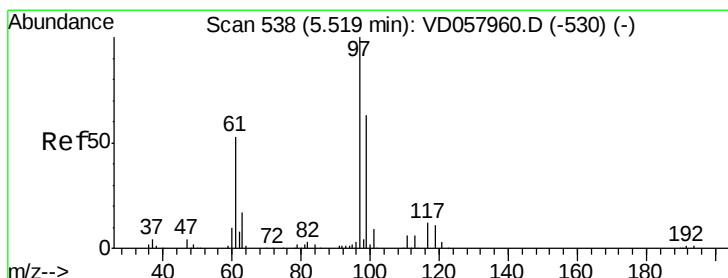
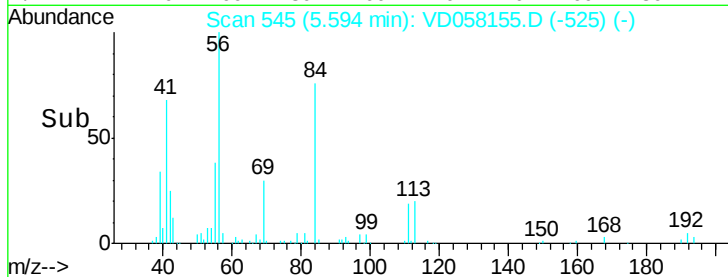
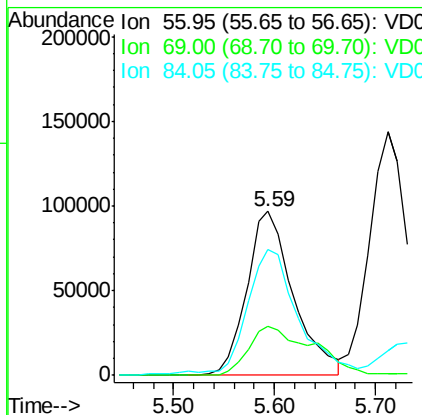
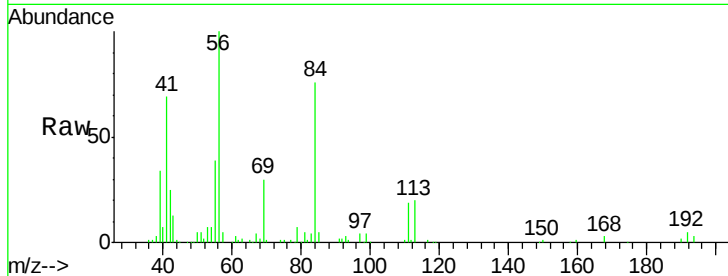




#31
Cyclohexane
Concen: 20.610 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

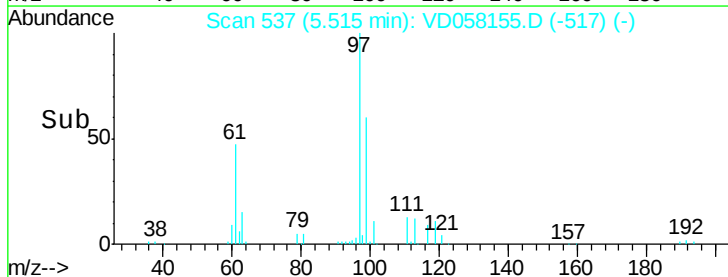
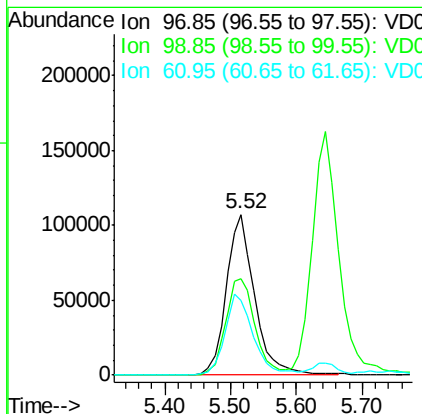
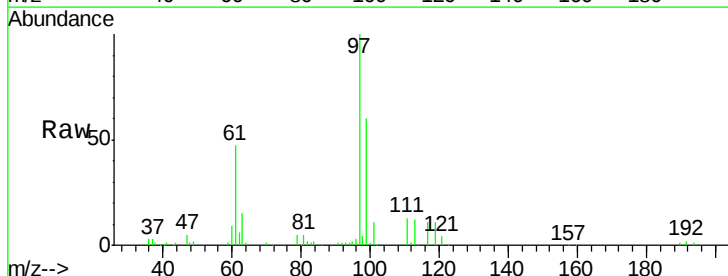
Instrument :
MSVOA_D
ClientSampleId :

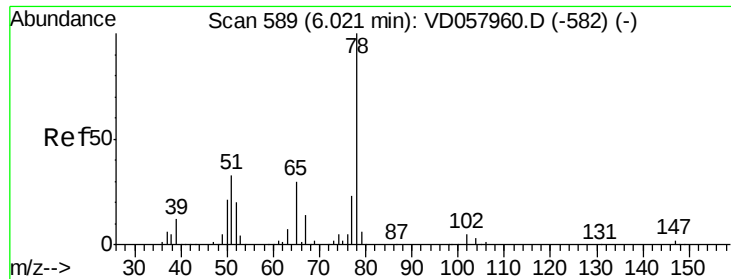
Tot Ion: 56 Resp: 310758
Ion Ratio Lower Upper
56 100
69 29.6 21.5 32.3
84 76.3 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 21.943 ug/l
RT: 5.52 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 97 Resp: 323074
Ion Ratio Lower Upper
97 100
99 59.7 50.1 75.1
61 46.6 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 21.943 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

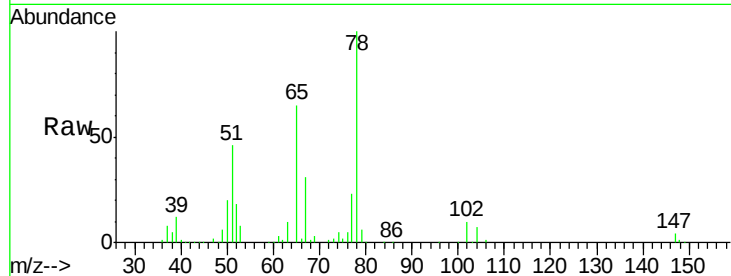
ClientSampleId :

Tot Ion: 65 Resp: 399548

Ion Ratio Lower Upper

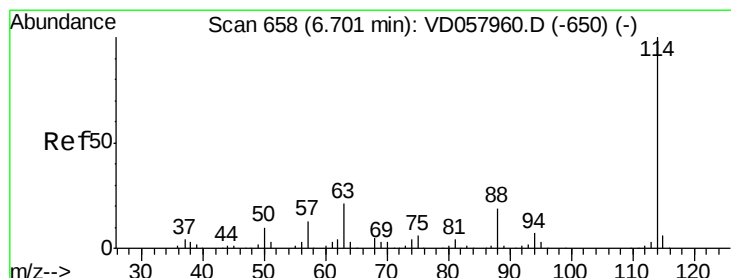
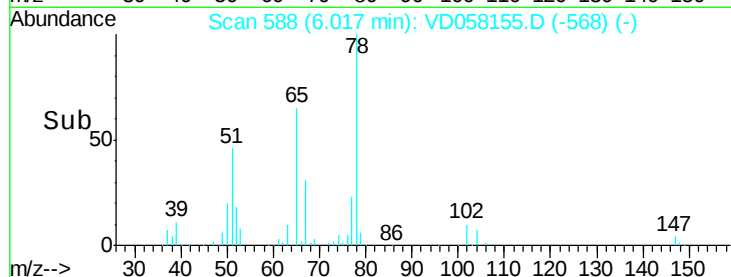
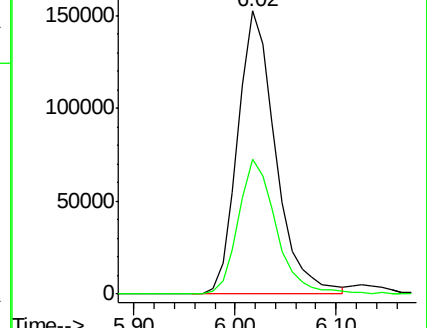
65 100

67 47.5 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

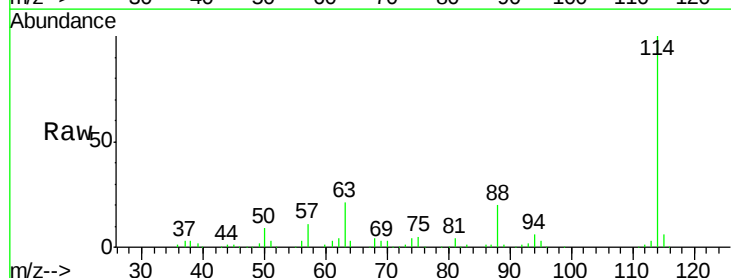
Tgt Ion: 114 Resp: 1136853

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

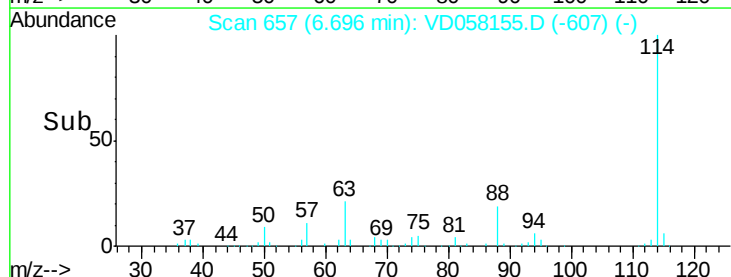
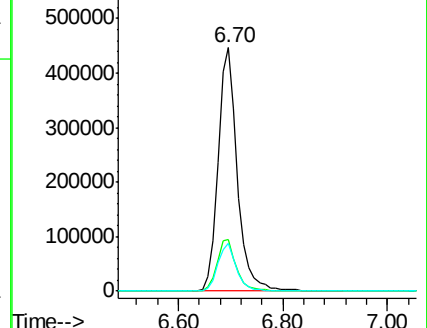
88 19.5 0.0 37.8

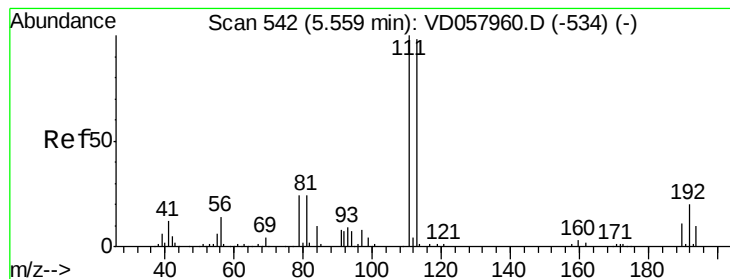


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

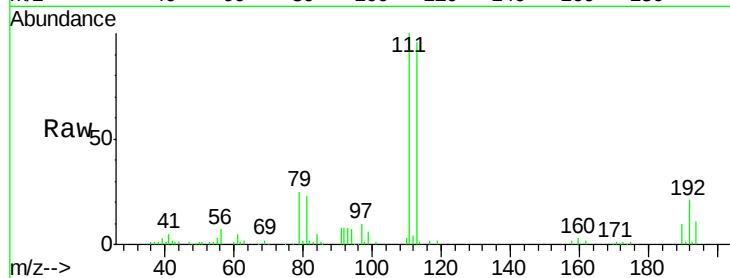
Tot Ion:113 Resp: 433581

Ion Ratio Lower Upper

113 100

111 104.1 81.5 122.3

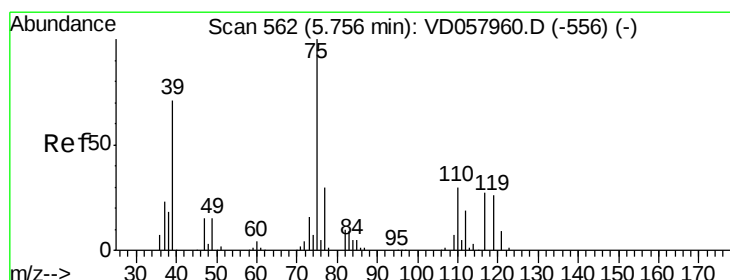
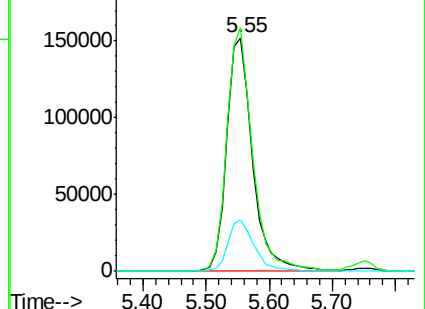
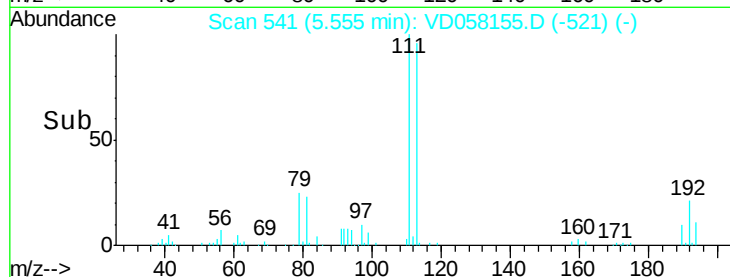
192 22.3 16.4 24.6



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: 22.501 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

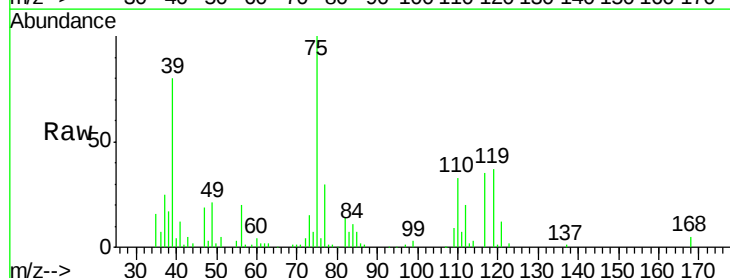
Tgt Ion: 75 Resp: 281831

Ion Ratio Lower Upper

75 100

110 32.5 14.8 44.3

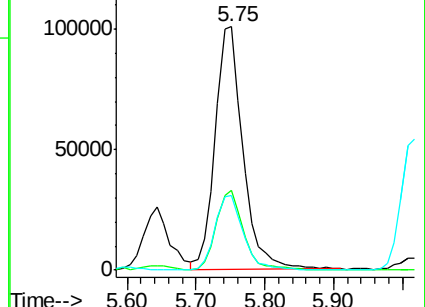
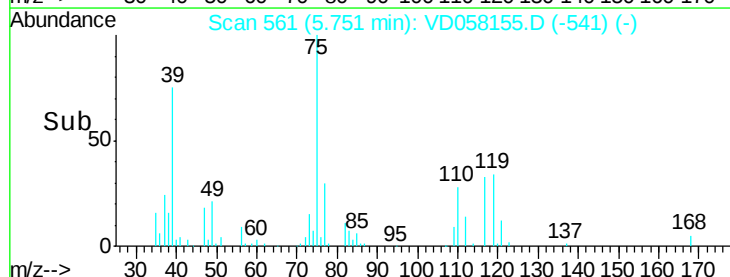
77 30.5 23.9 35.9

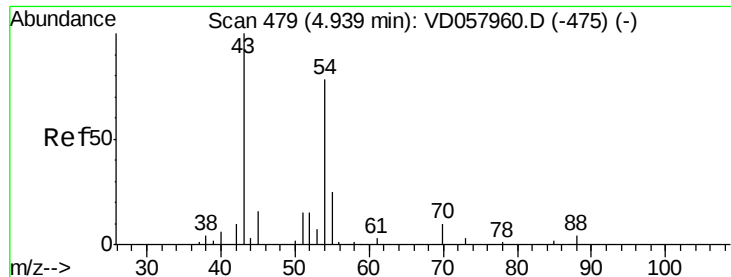


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

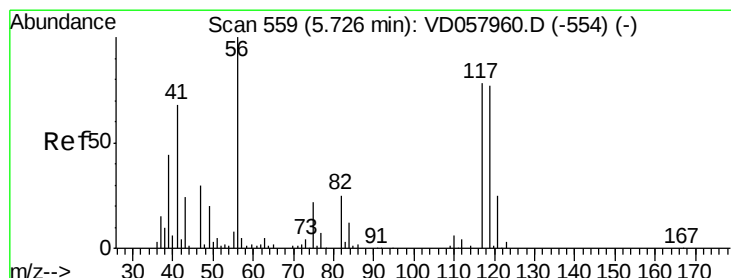
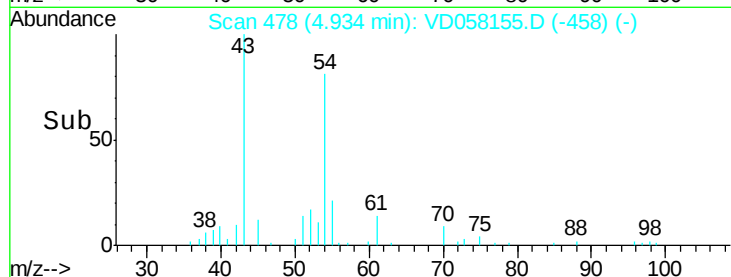
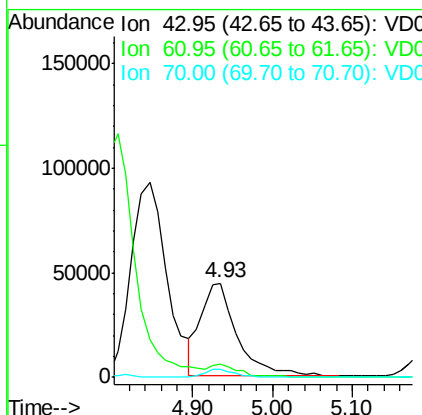
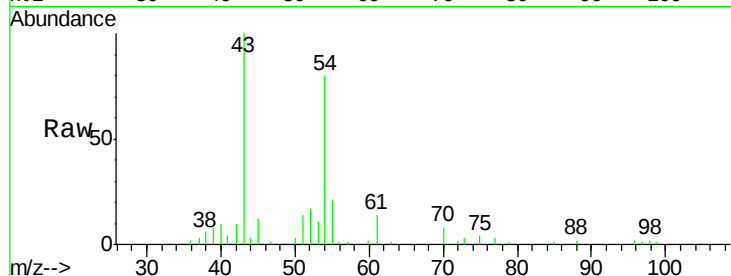




#37
Ethyl Acetate
Concen: 20.537 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

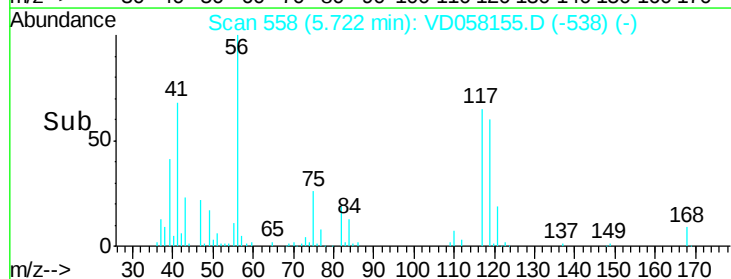
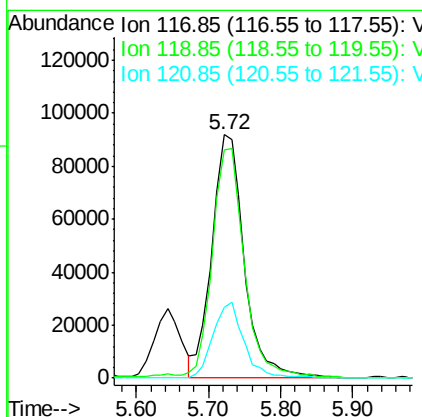
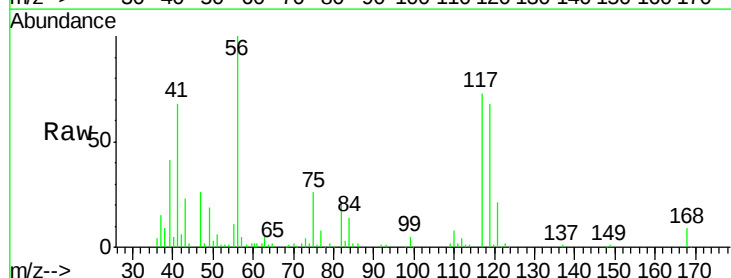
Instrument :
MSVOA_D
ClientSampled :

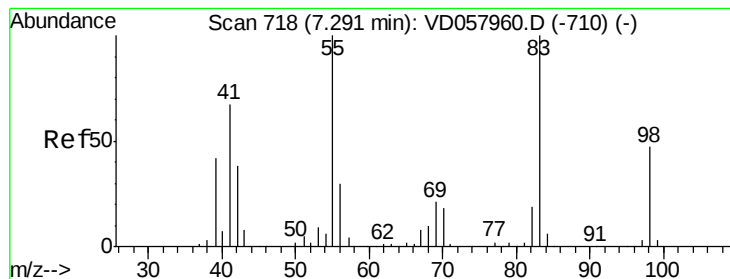
Tot Ion: 43 Resp: 140358
Ion Ratio Lower Upper
43 100
61 13.8 9.9 14.9
70 8.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 22.767 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 117 Resp: 281040
Ion Ratio Lower Upper
117 100
119 93.5 76.1 114.1
121 29.1 24.9 37.3





#39

Methvlcvclohexane

Concen: 22.694 ug/l

RT: 7.29 min Scan# 717

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

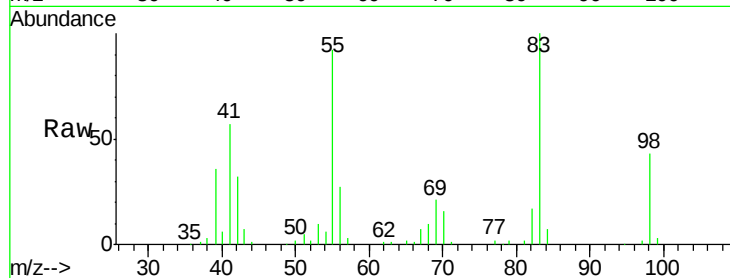
Tot Ion: 83 Resp: 281773

Ion Ratio Lower Upper

83 100

55 91.6 80.3 120.5

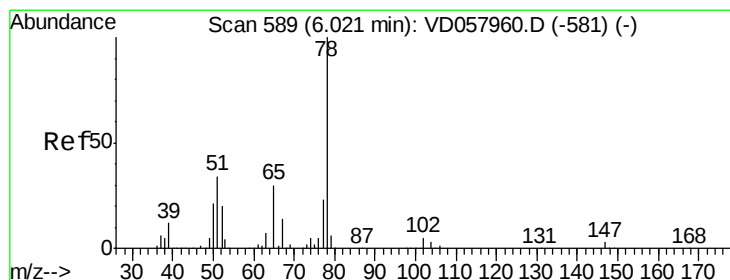
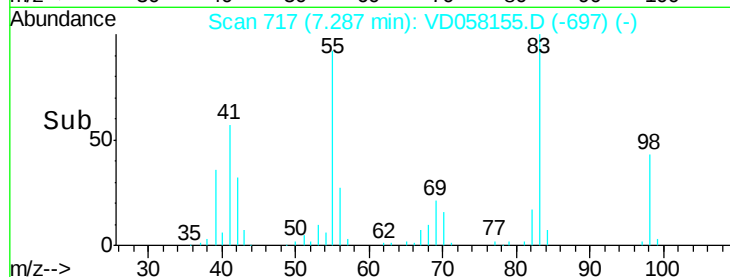
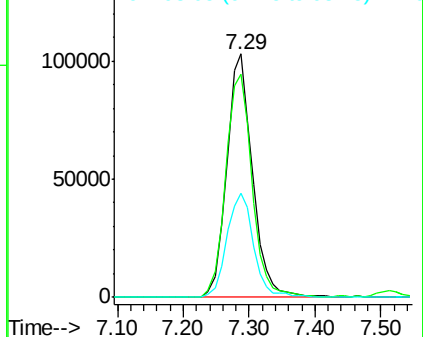
98 42.6 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.176 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058155.D

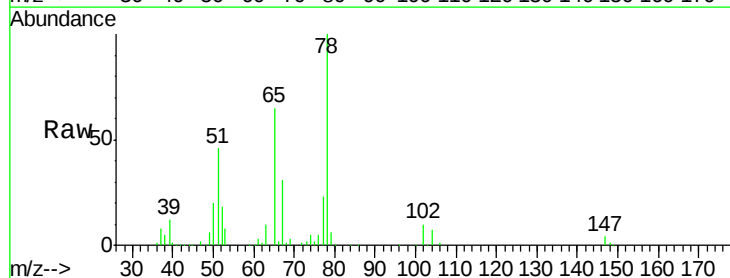
Acq: 15 Jun 2018 16:38

Tgt Ion: 78 Resp: 648862

Ion Ratio Lower Upper

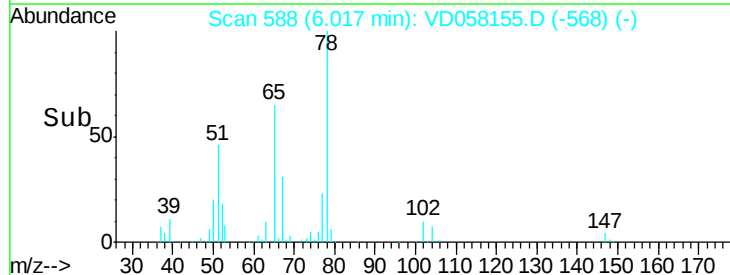
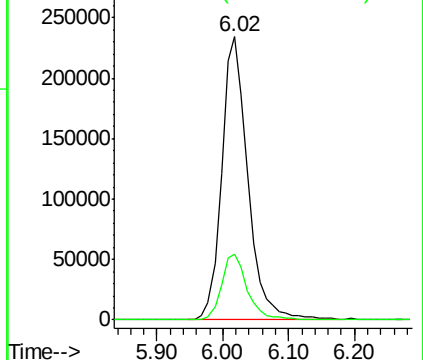
78 100

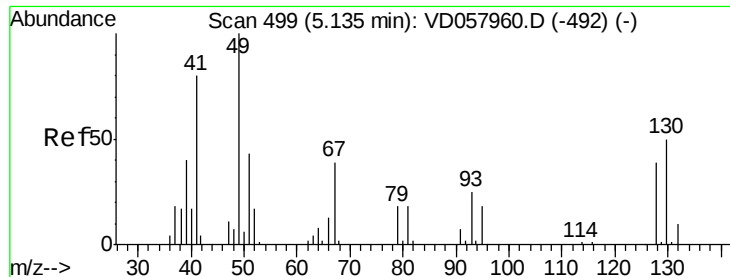
77 23.3 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.543 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 73569

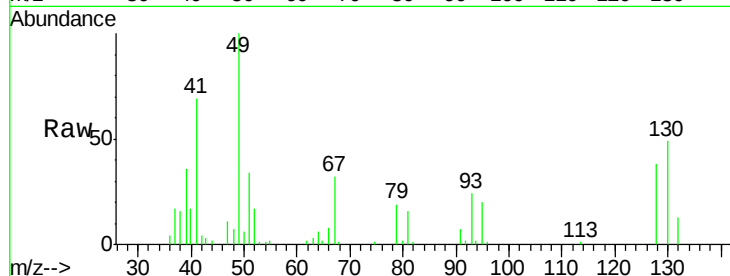
Ion Ratio Lower Upper

41 100

39 52.1 40.7 61.1

67 47.2 38.8 58.2

52 24.6 17.3 25.9

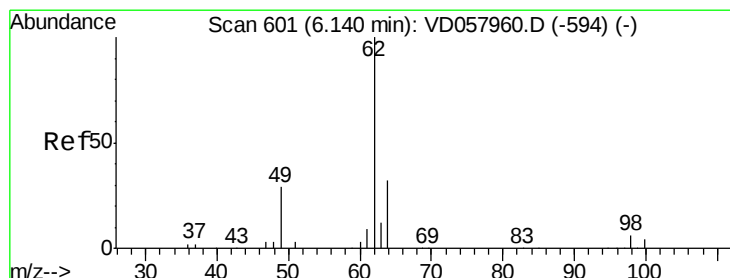
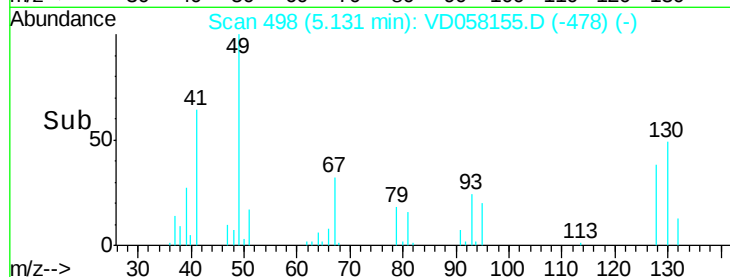
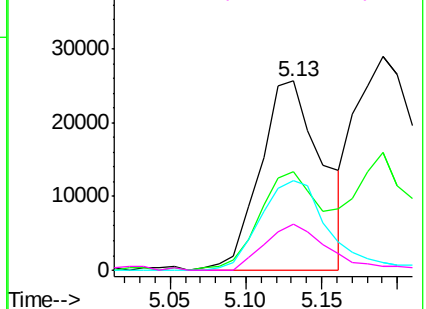


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.581 ug/l

RT: 6.14 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD058155.D

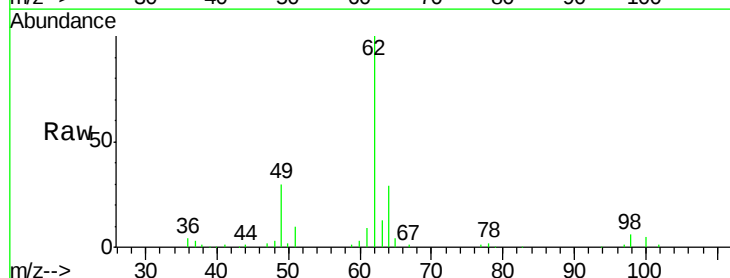
Acq: 15 Jun 2018 16:38

Tgt Ion: 62 Resp: 255309

Ion Ratio Lower Upper

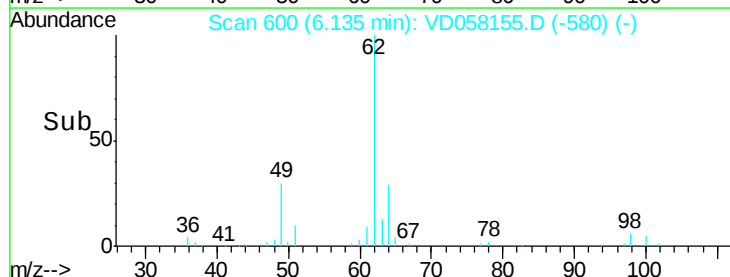
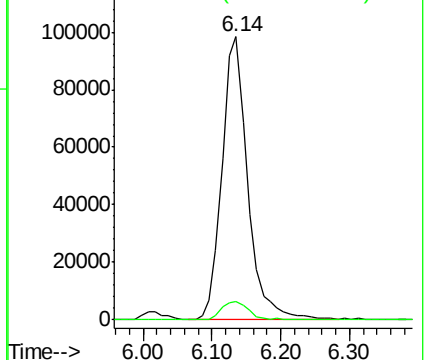
62 100

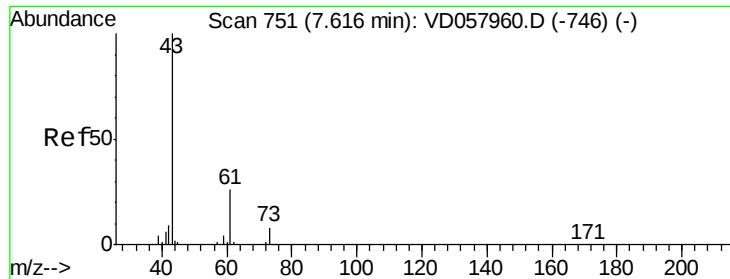
98 6.5 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



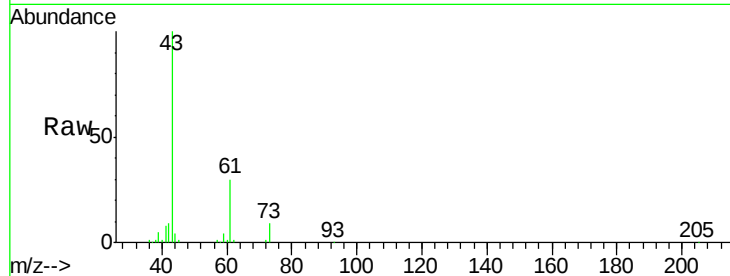


#43

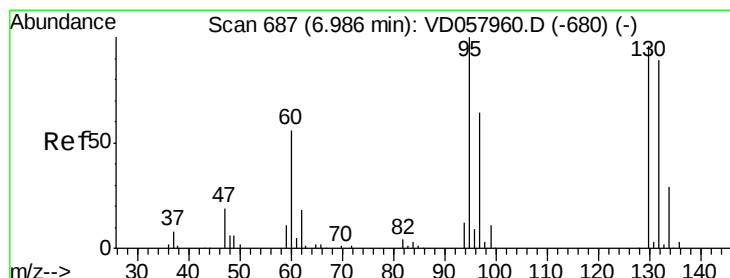
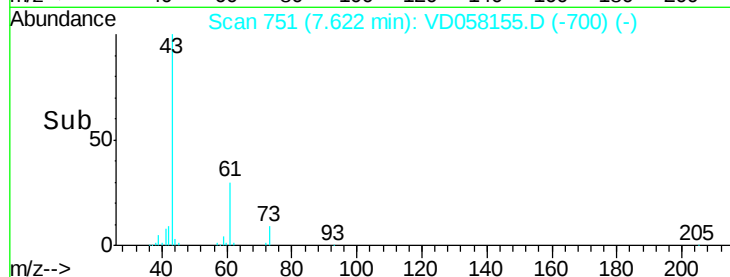
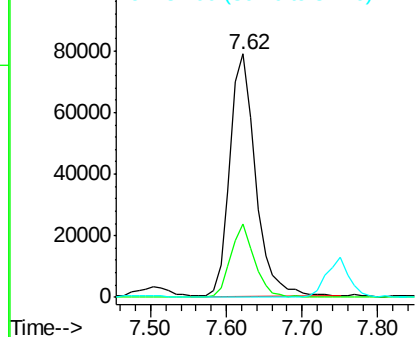
Isopropyl Acetate
 Concen: 20.778 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 185999
 Ion Ratio Lower Upper
 43 100
 61 29.9 20.6 30.8
 87 0.0 0.2 0.4#



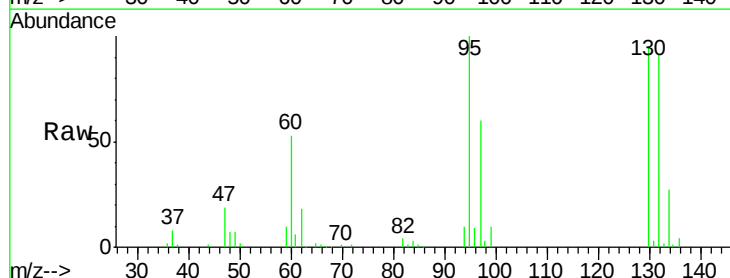
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



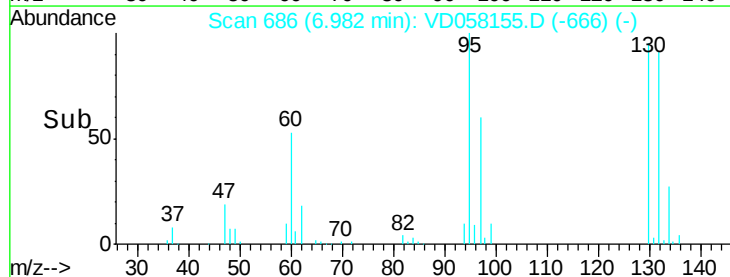
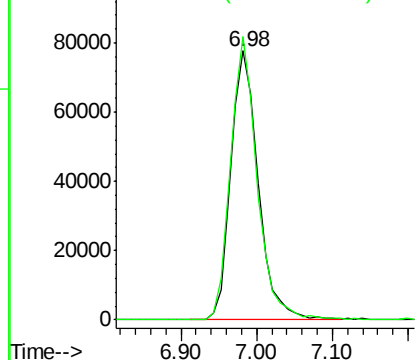
#44

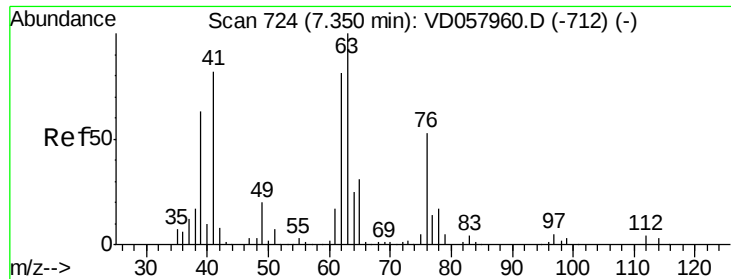
Trichloroethene
 Concen: 22.708 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion: 130 Resp: 194078
 Ion Ratio Lower Upper
 130 100
 95 105.3 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: 21.243 ug/l

RT: 7.35 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

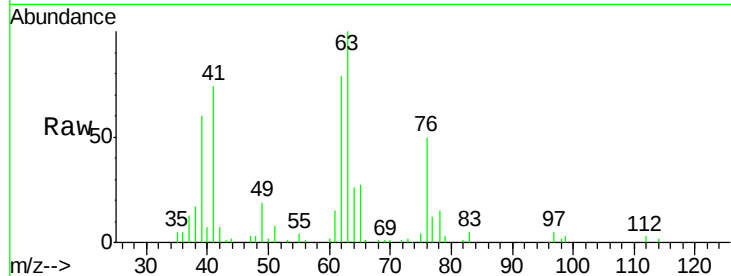
ClientSampleId :

Tot Ion: 63 Resp: 172752

Ion Ratio Lower Upper

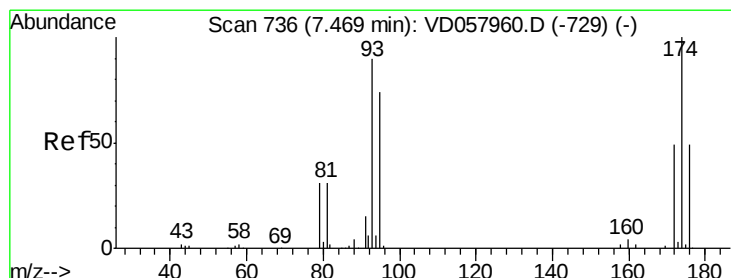
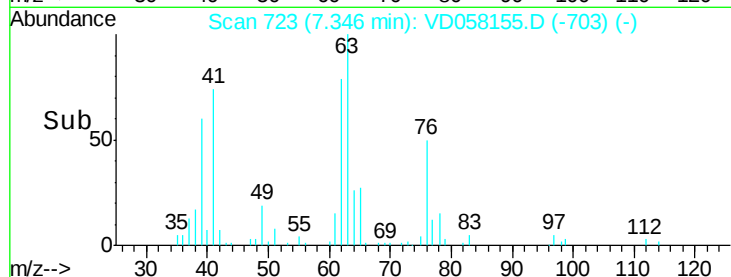
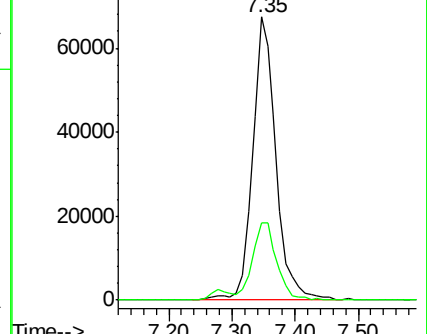
63 100

65 27.2 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.724 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

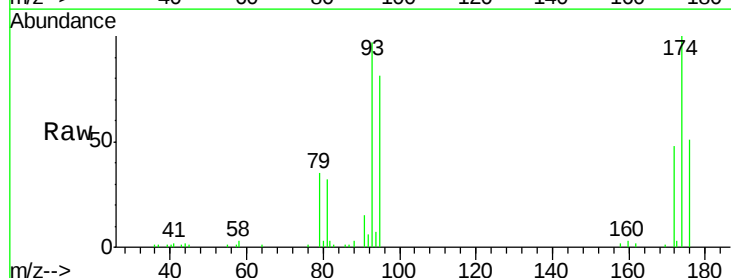
Tgt Ion: 93 Resp: 118712

Ion Ratio Lower Upper

93 100

95 83.9 65.7 98.5

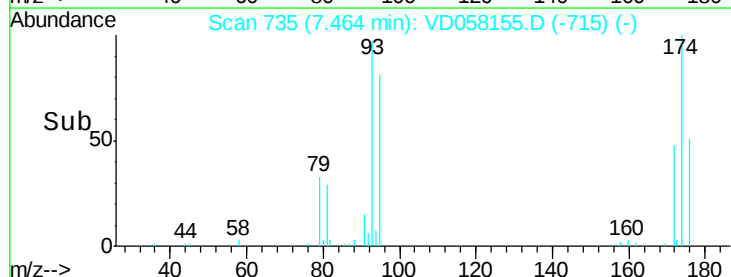
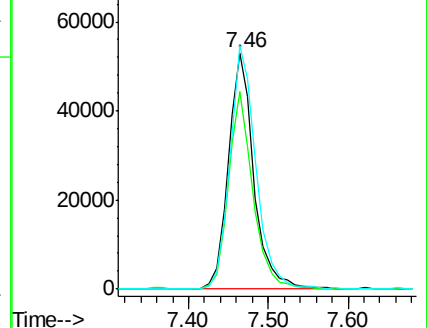
174 103.2 89.0 133.4

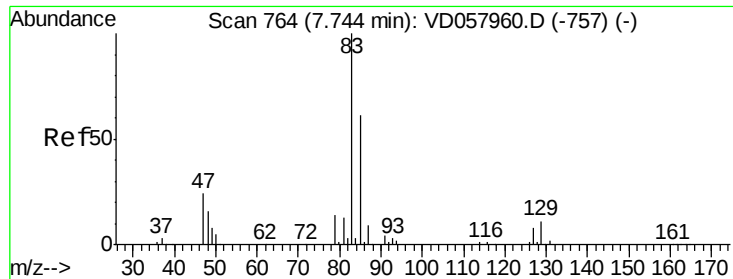


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.757 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

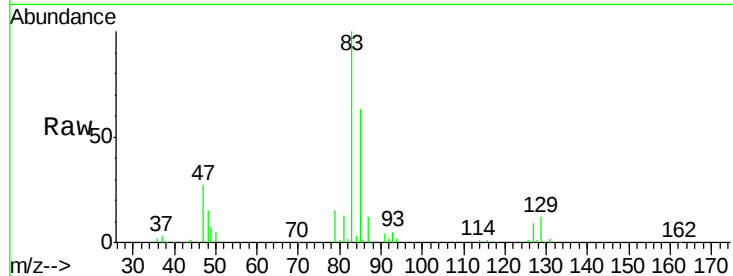
Tot Ion: 83 Resp: 266129

Ion Ratio Lower Upper

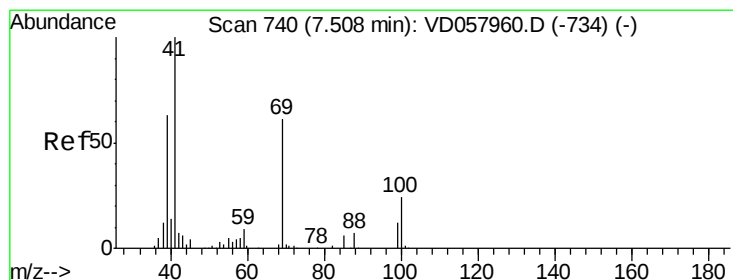
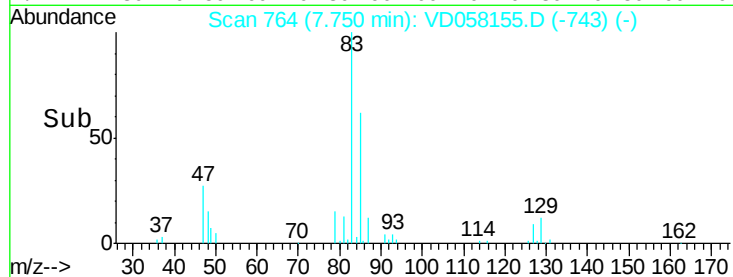
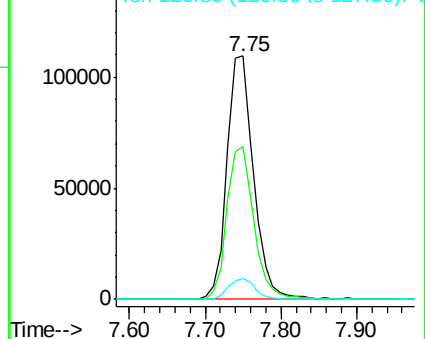
83 100

85 62.6 49.1 73.7

127 8.8 6.2 9.2



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



#48

Methyl methacrylate

Concen: 19.888 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

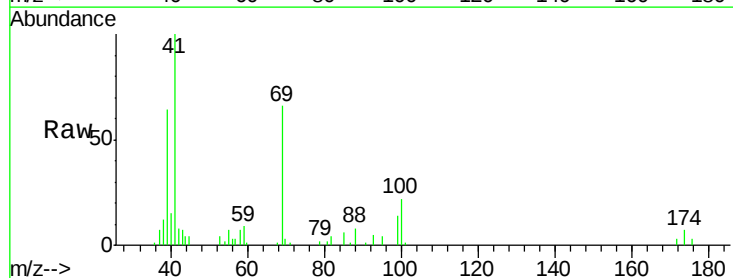
Tgt Ion: 41 Resp: 109578

Ion Ratio Lower Upper

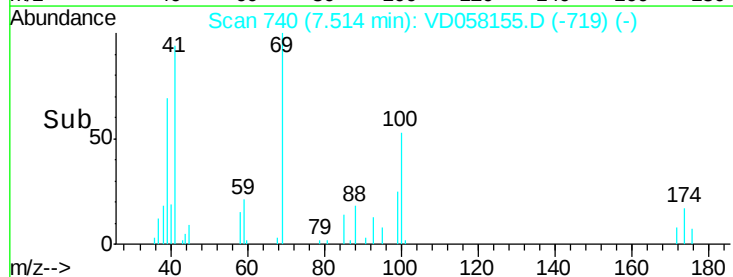
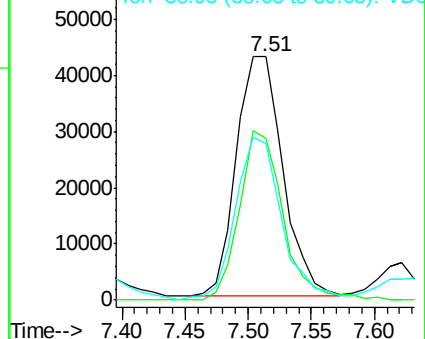
41 100

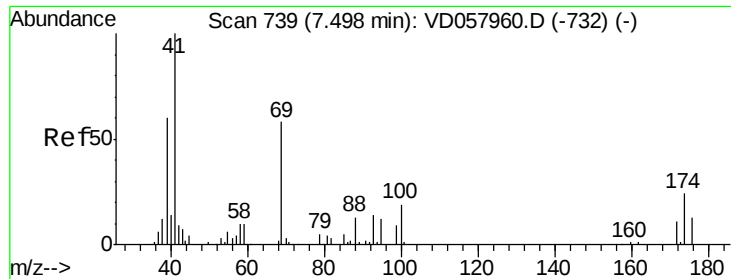
69 66.5 48.0 72.0

39 64.4 50.7 76.1



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





#49

1,4-Dioxane

Concen: 443.209 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :
MSVOA_D
ClientSampleId :

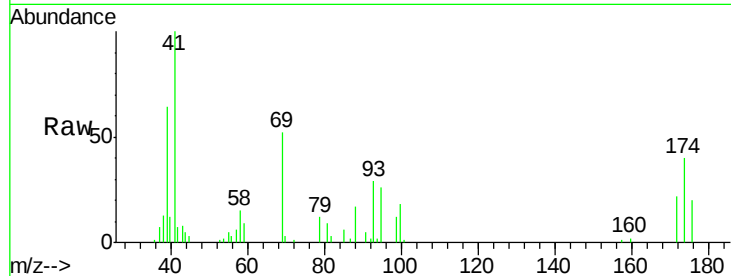
Tot Ion: 88 Resp: 20230

Ion Ratio Lower Upper

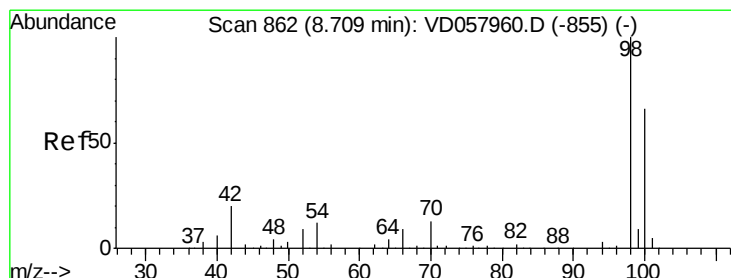
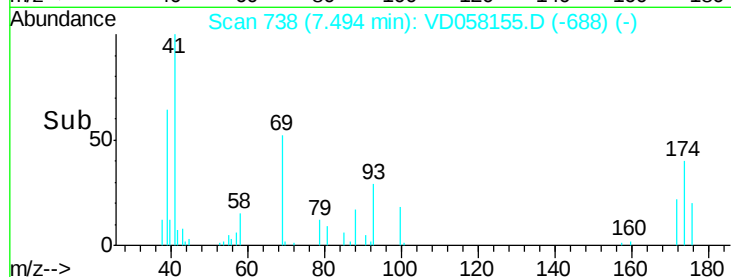
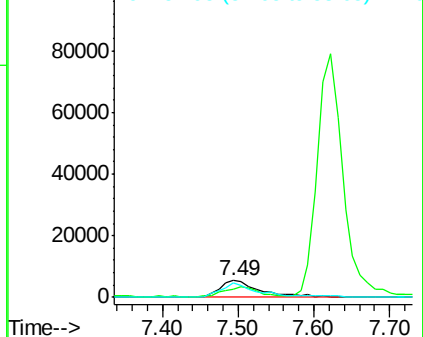
88 100

43 46.0 46.6 69.8#

58 89.8 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: 443.209 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD058155.D

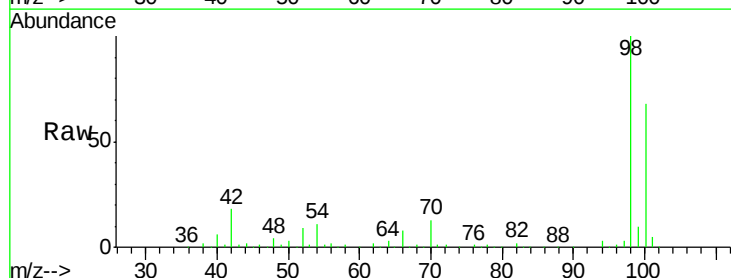
Acq: 15 Jun 2018 16:38

Tgt Ion: 98 Resp: 981554

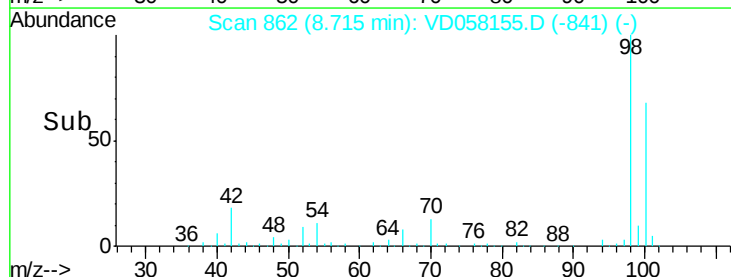
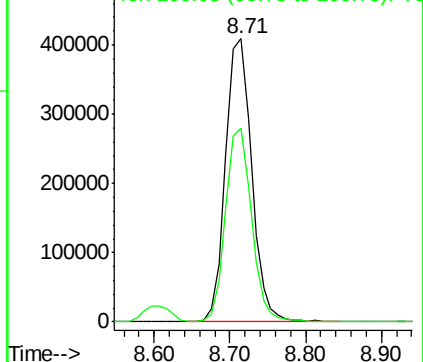
Ion Ratio Lower Upper

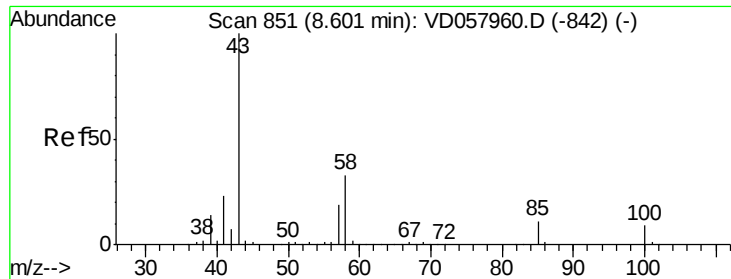
98 100

100 68.5 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 111.053 ug/l

RT: 8.60 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

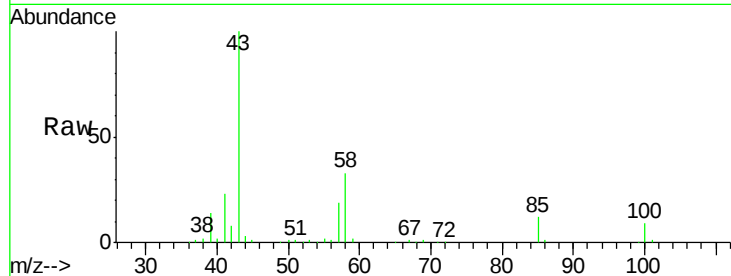
ClientSampleId :

Tot Ion: 43 Resp: 637647

Ion Ratio Lower Upper

43 100

58 33.5 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

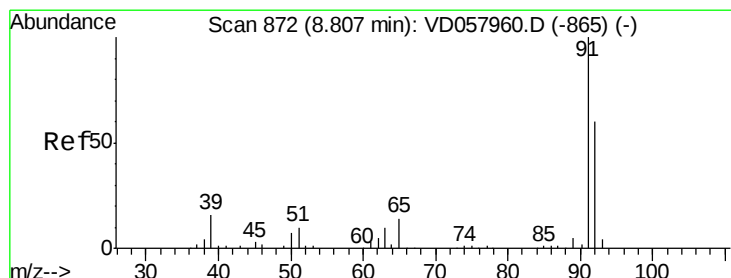
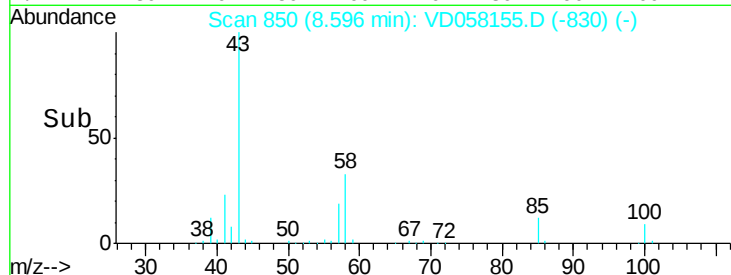
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.122 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058155.D

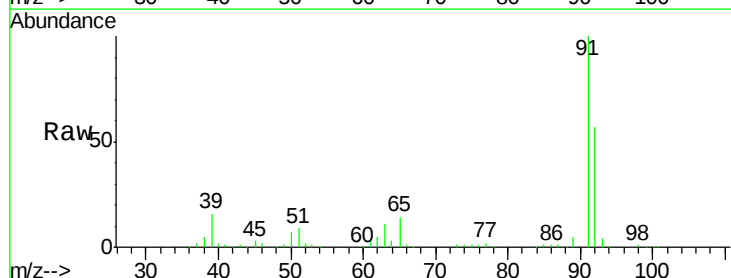
Acq: 15 Jun 2018 16:38

Tgt Ion: 92 Resp: 371481

Ion Ratio Lower Upper

92 100

91 174.6 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

300000

250000

200000

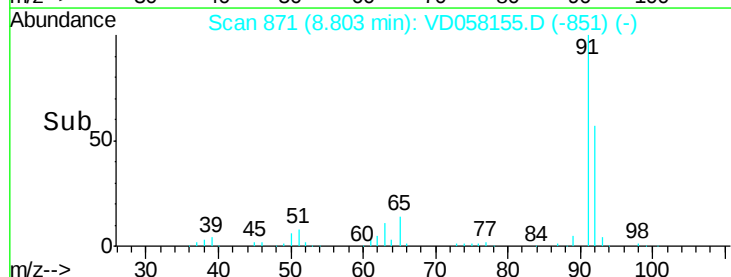
150000

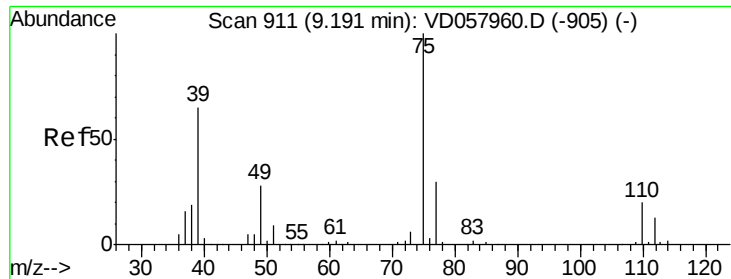
100000

50000

0

Time-->

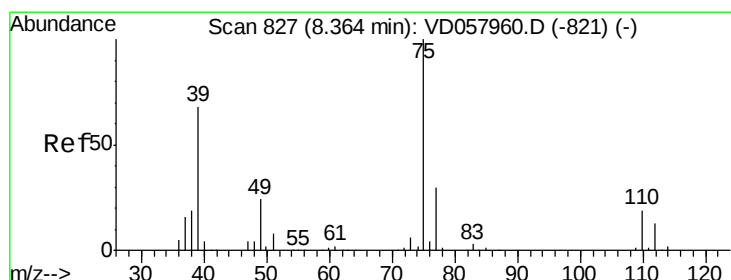
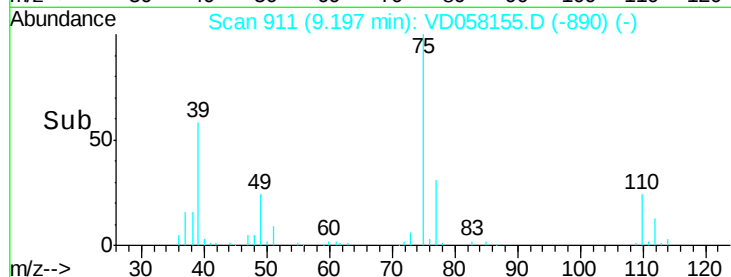
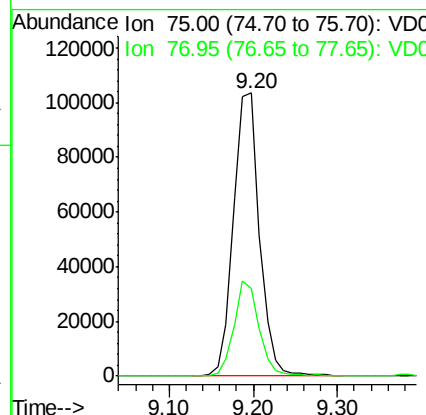
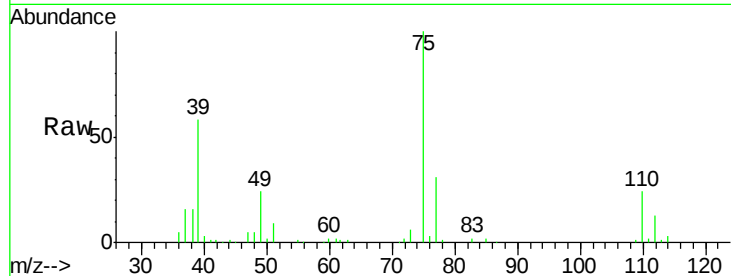




#53
t-1,3-Dichloropropene
Concen: 21.166 ug/l
RT: 9.20 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

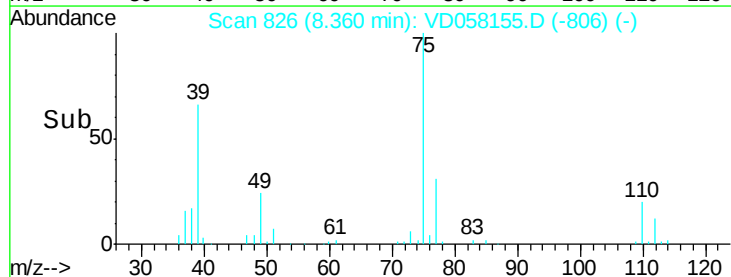
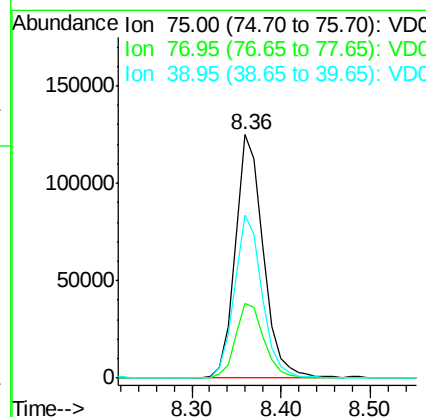
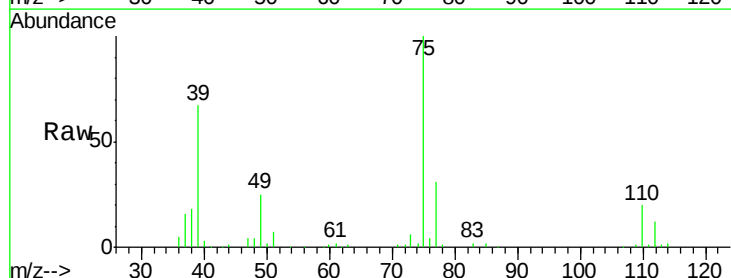
Instrument :
MSVOA_D
ClientSampled :

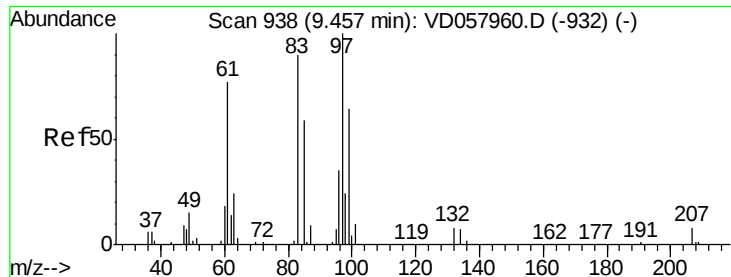
Tot Ion: 75 Resp: 223054
Ion Ratio Lower Upper
75 100
77 30.8 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 22.147 ug/l
RT: 8.36 min Scan# 826
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 75 Resp: 274960
Ion Ratio Lower Upper
75 100
77 30.8 24.1 36.1
39 67.1 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 23.013 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 125070

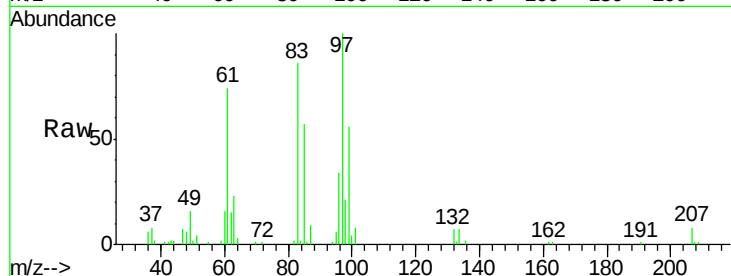
Ion Ratio Lower Upper

97 100

83 86.2 71.8 107.8

85 56.6 47.2 70.8

99 56.1 51.4 77.0

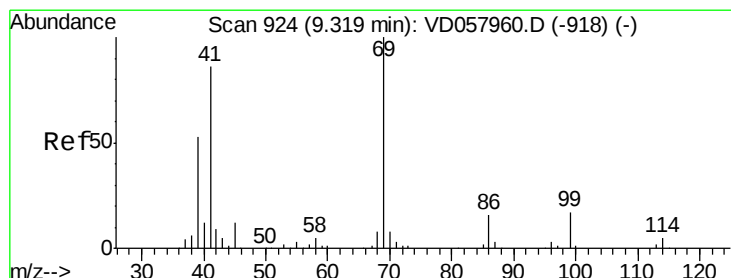
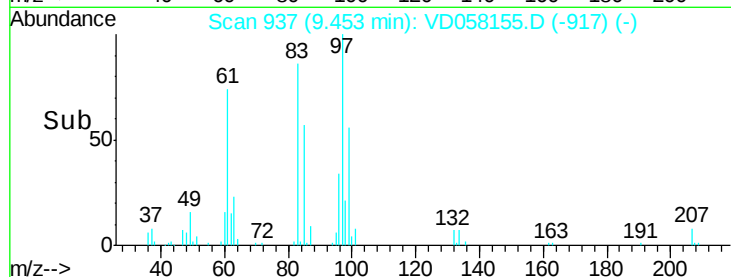
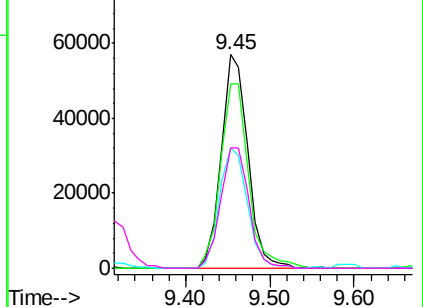


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.377 ug/l

RT: 9.32 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

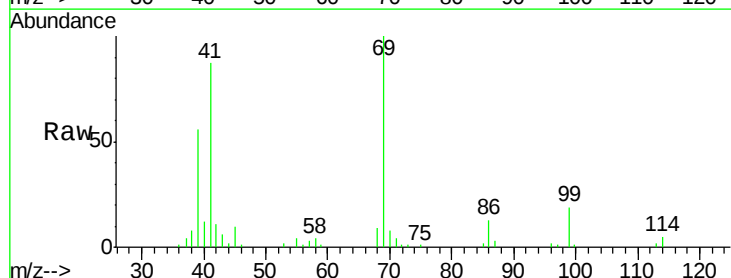
Tgt Ion: 69 Resp: 142508

Ion Ratio Lower Upper

69 100

41 87.4 68.4 102.6

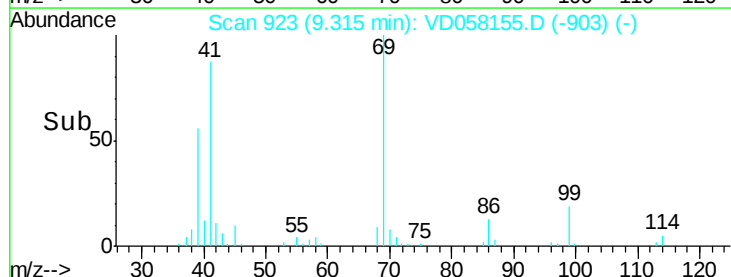
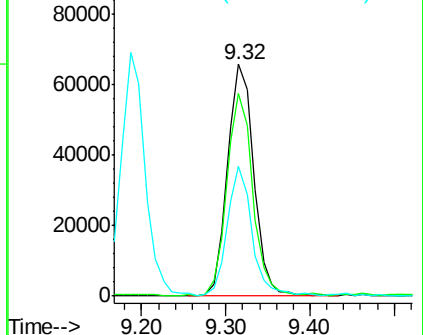
39 55.8 43.0 64.4

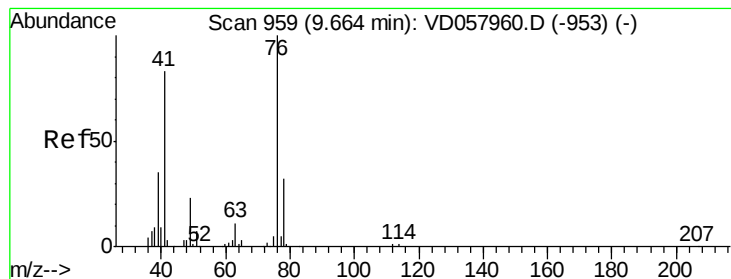


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.719 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

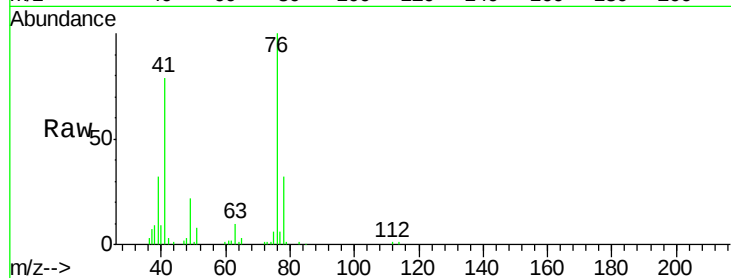
ClientSampled :

Tot Ion: 76 Resp: 216558

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

100000

80000

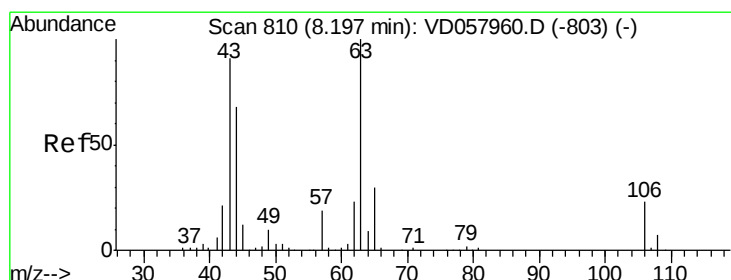
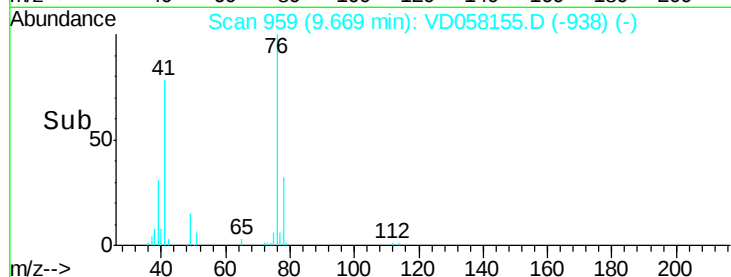
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 115.748 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD058155.D

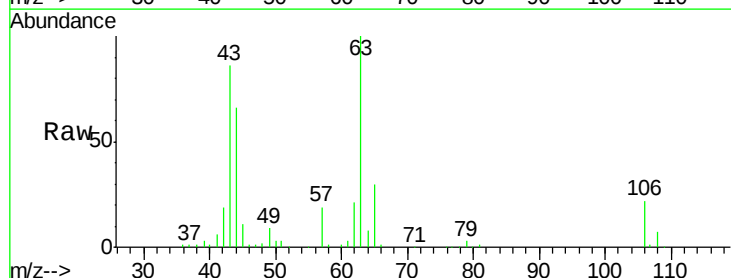
Acq: 15 Jun 2018 16:38

Tgt Ion: 63 Resp: 389852

Ion Ratio Lower Upper

63 100

106 22.0 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.19

200000

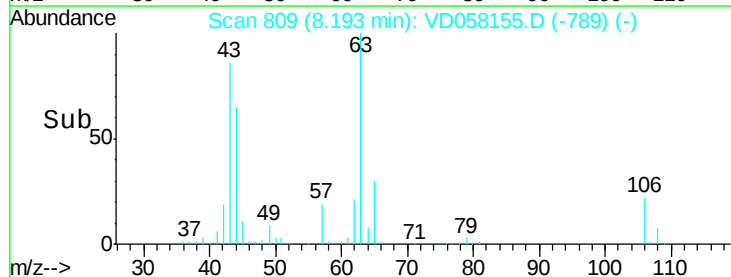
150000

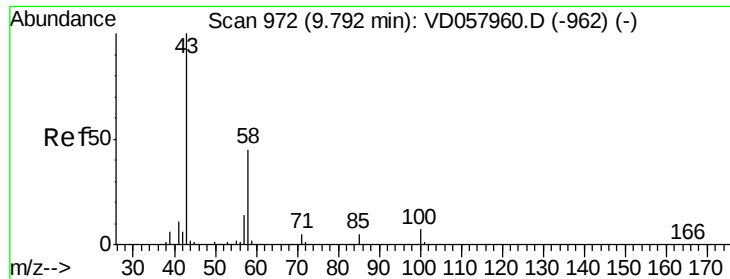
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 113.484 ug/l

RT: 9.79 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

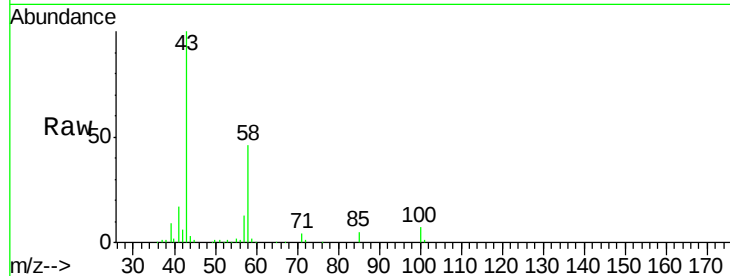
ClientSampleId :

Tot Ion: 43 Resp: 477522

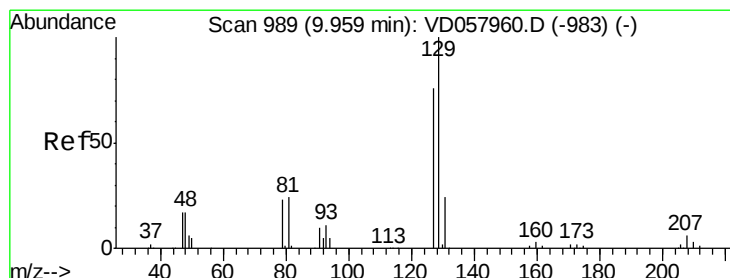
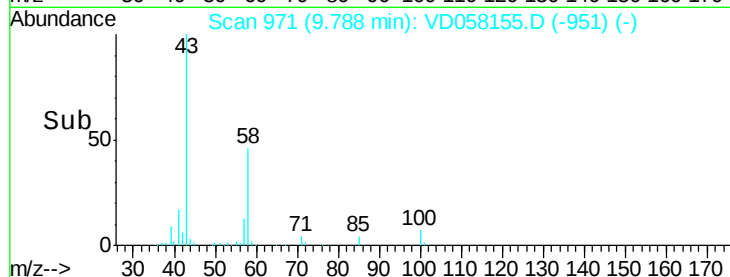
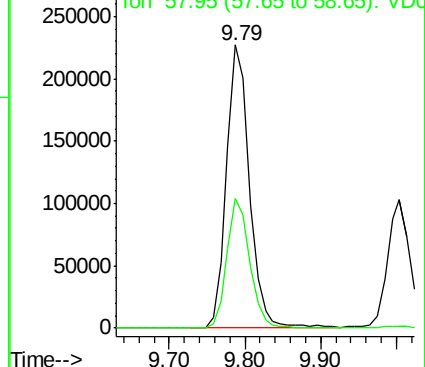
Ion Ratio Lower Upper

43 100

58 46.1 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC



#60

Dibromochloromethane

Concen: 22.287 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD058155.D

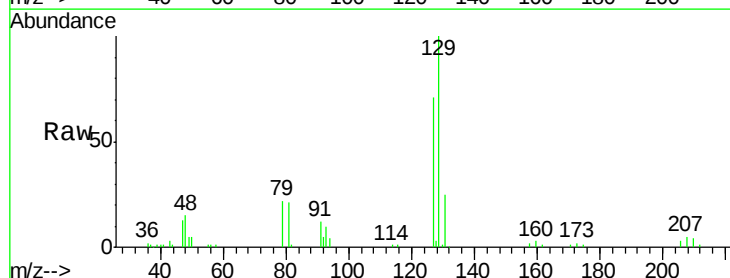
Acq: 15 Jun 2018 16:38

Tgt Ion: 129 Resp: 170800

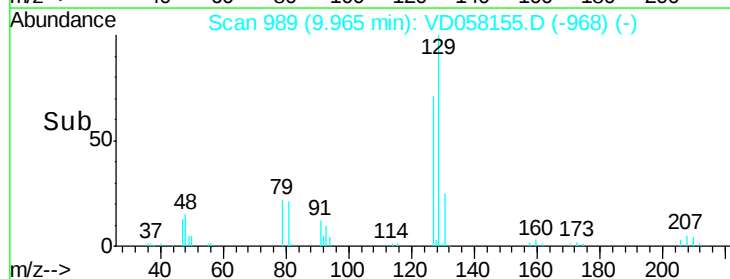
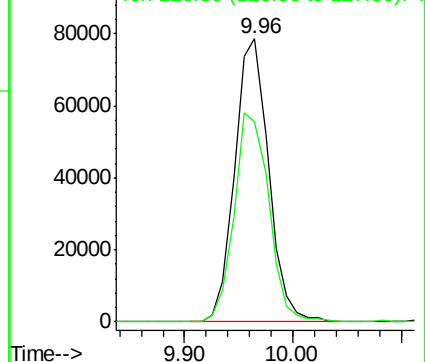
Ion Ratio Lower Upper

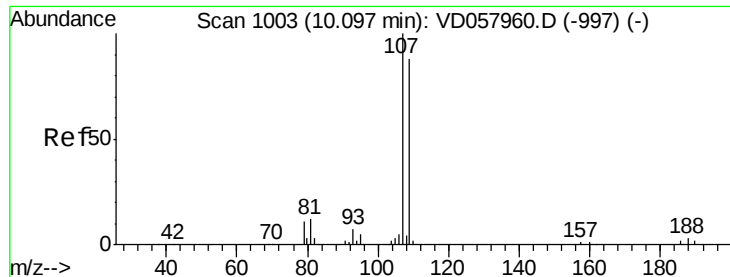
129 100

127 70.9 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V





#61

1,2-Dibromoethane

Concen: 21.910 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

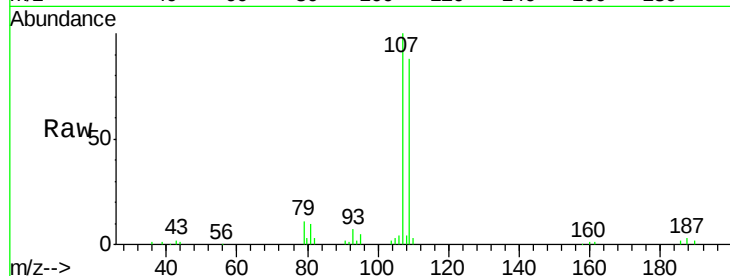
ClientSampleId :

Tot Ion:107 Resp: 136938

Ion Ratio Lower Upper

107 100

109 87.7 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

80000

60000

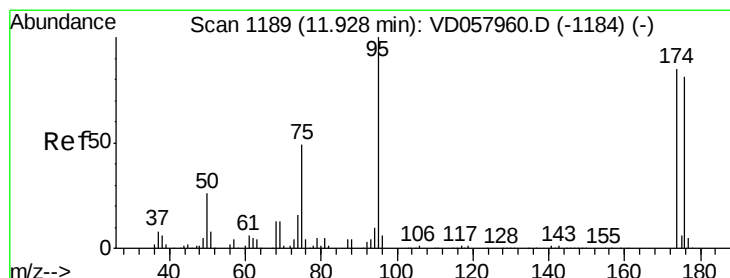
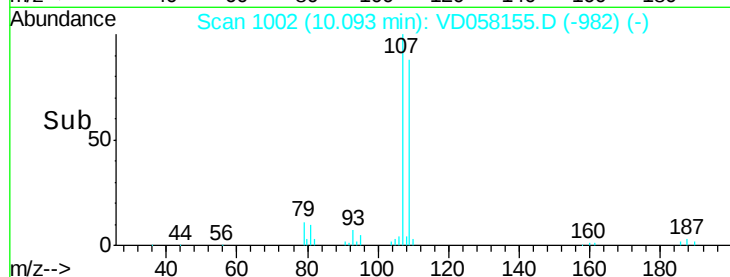
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 21.910 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

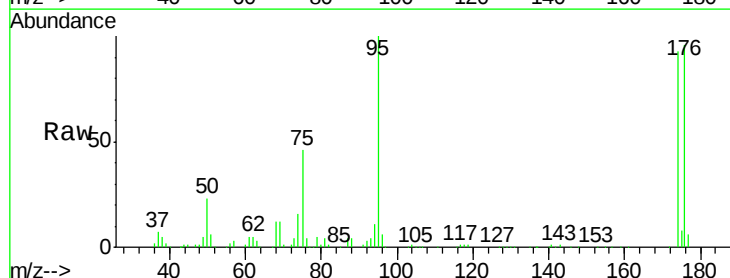
Tgt Ion: 95 Resp: 425543

Ion Ratio Lower Upper

95 100

174 93.2 0.0 169.4

176 96.3 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

11.93

400000

300000

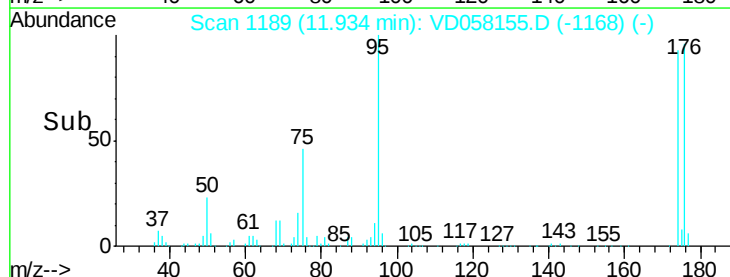
200000

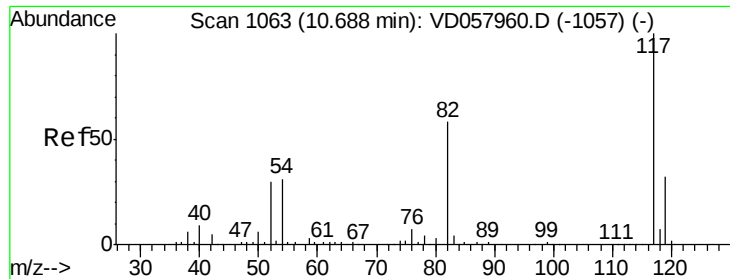
100000

0

Time-->

11.90 12.00

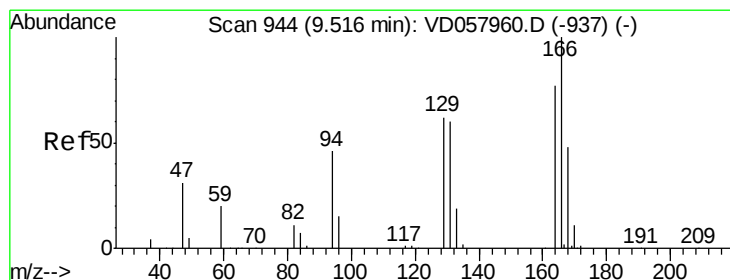
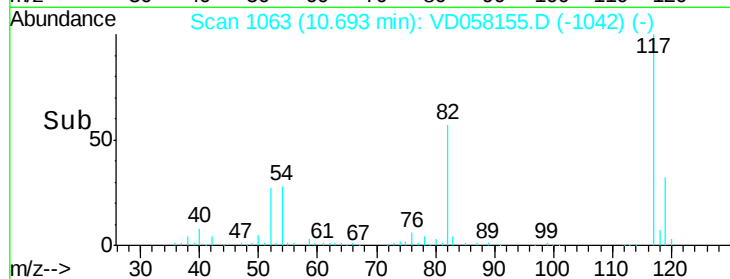
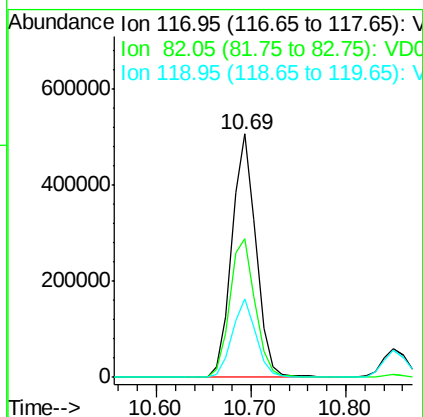
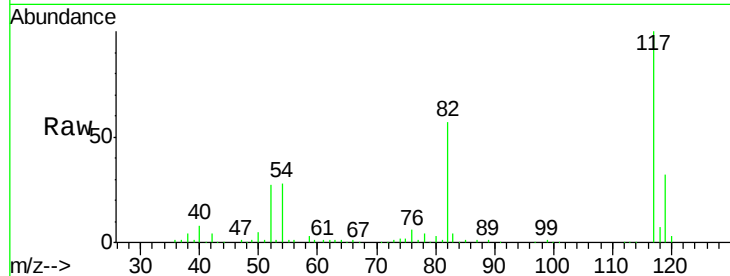




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

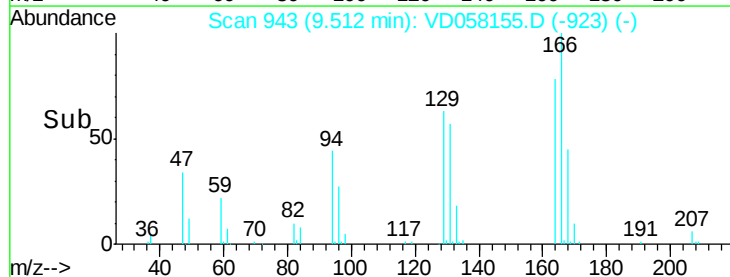
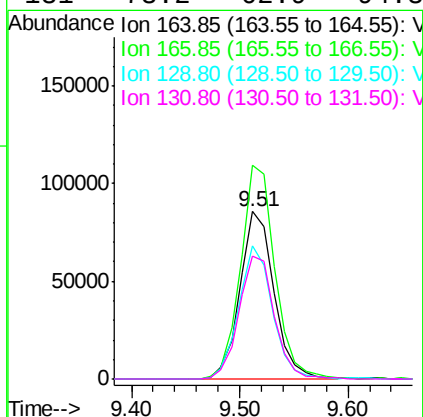
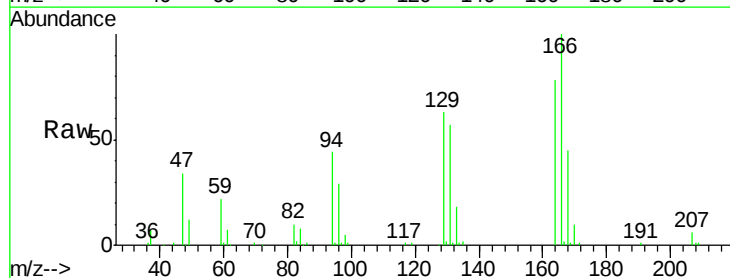
Instrument :
MSVOA_D
ClientSampleId :

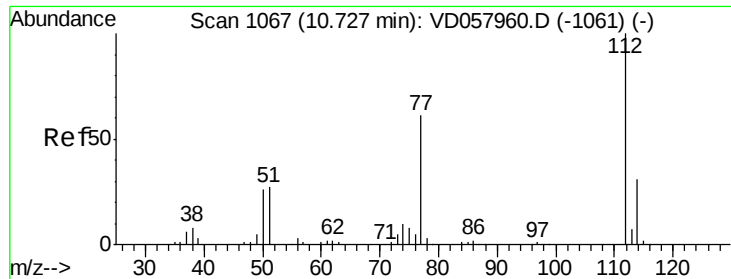
Tot Ion:117 Resp: 894595
Ion Ratio Lower Upper
117 100
82 57.0 46.8 70.2
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 23.452 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion:164 Resp: 187563
Ion Ratio Lower Upper
164 100
166 127.6 104.4 156.6
129 79.8 65.0 97.6
131 73.2 62.9 94.3

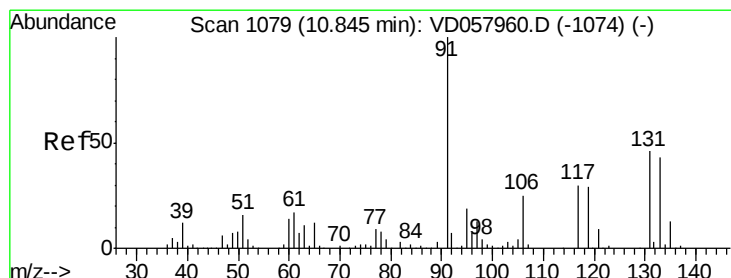
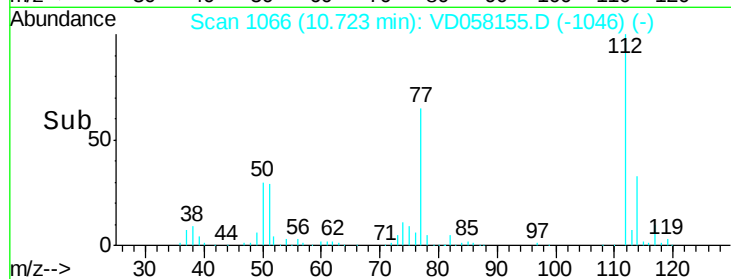
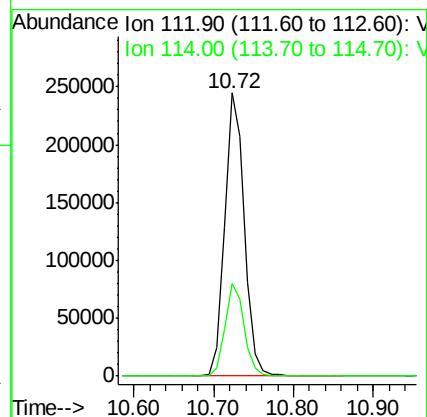
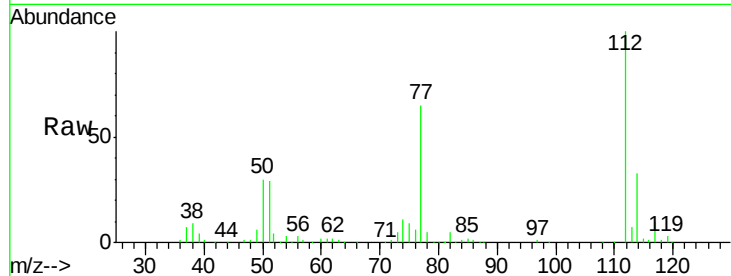




#65
Chlorobenzene
Concen: 23.490 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

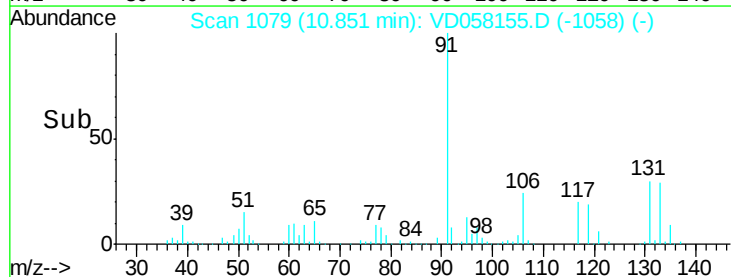
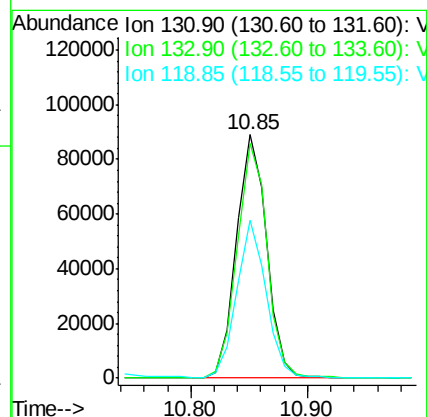
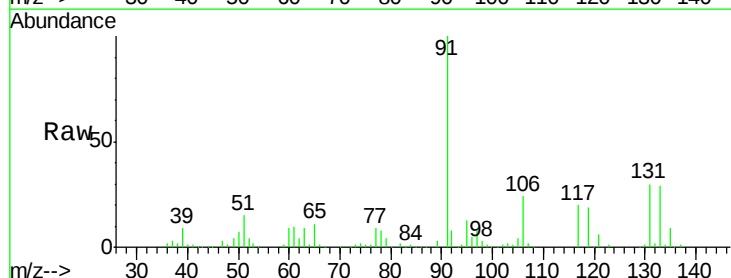
Instrument :
MSVOA_D
ClientSampleId :

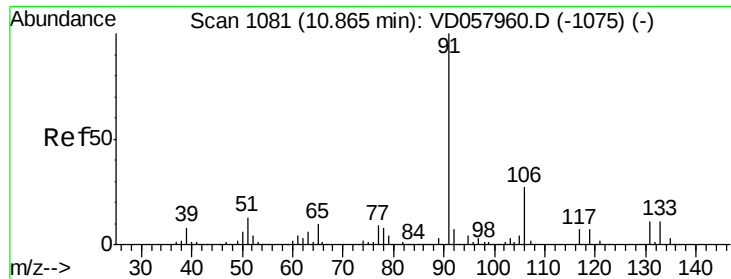
Tot Ion:112 Resp: 425420
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.966 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion:131 Resp: 159800
Ion Ratio Lower Upper
131 100
133 96.4 46.9 140.6
119 64.8 31.8 95.3

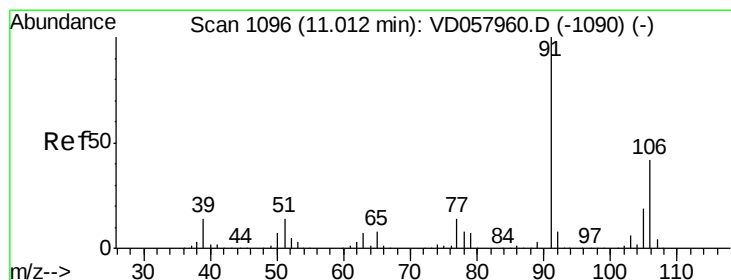
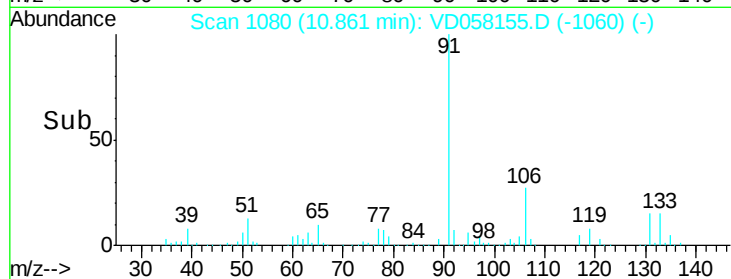
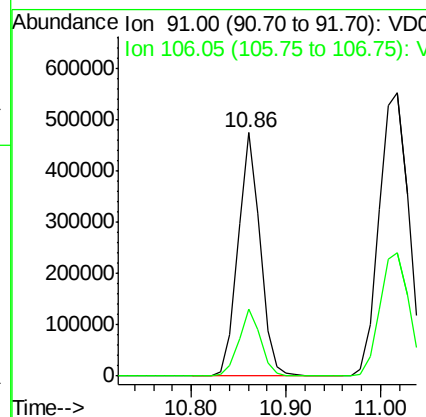
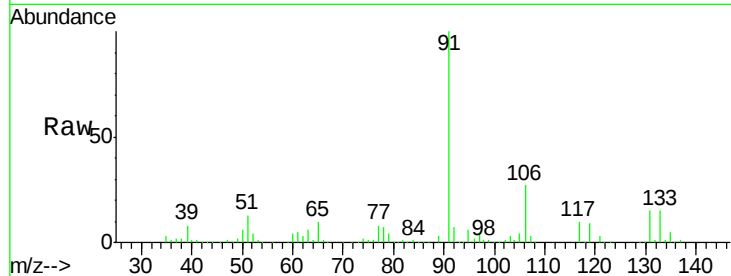




#67
Ethyl Benzene
Concen: 23.479 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

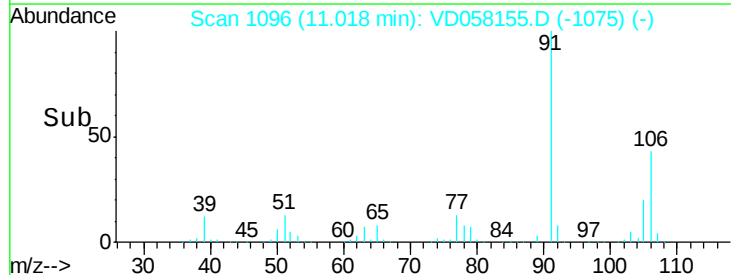
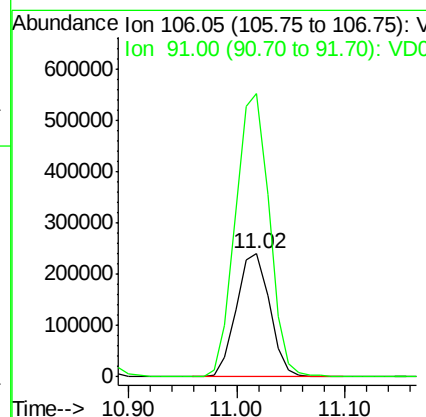
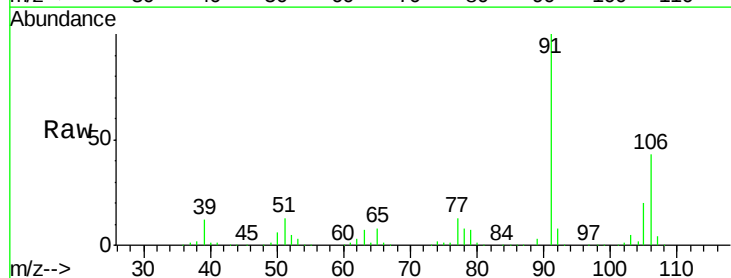
Instrument :
MSVOA_D
ClientSampled :

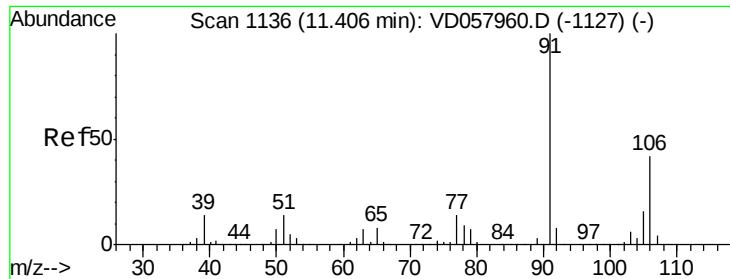
Tot Ion: 91 Resp: 768220
Ion Ratio Lower Upper
91 100
106 27.4 21.5 32.3



#68
m/p-Xylenes
Concen: 48.674 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 106 Resp: 519170
Ion Ratio Lower Upper
106 100
91 230.1 190.4 285.6

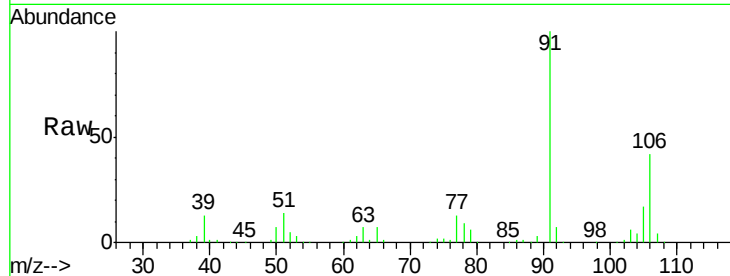




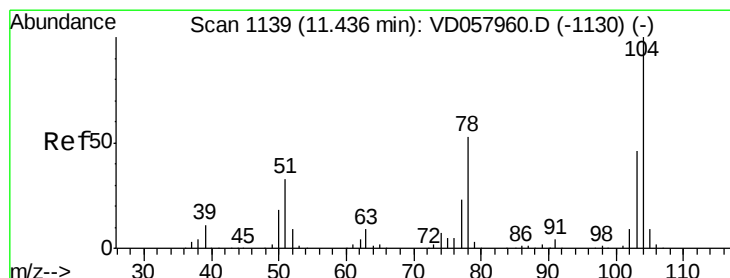
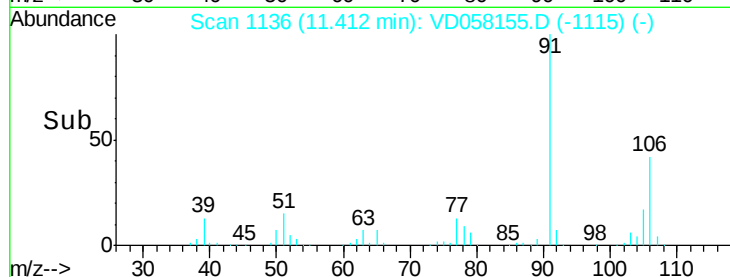
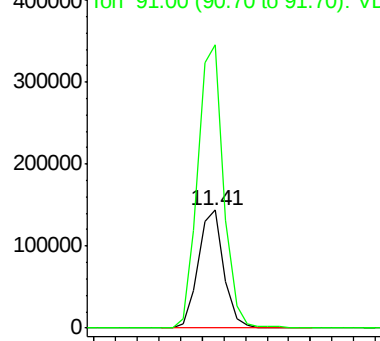
#69
o-Xylene
Concen: 22.393 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 237087
Ion Ratio Lower Upper
106 100
91 239.4 120.6 361.7

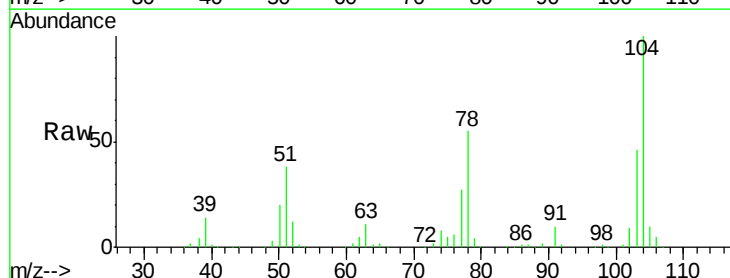


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

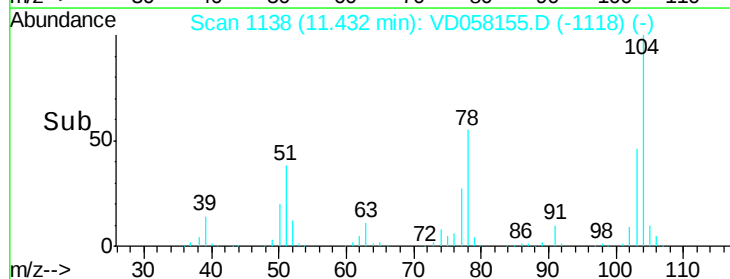
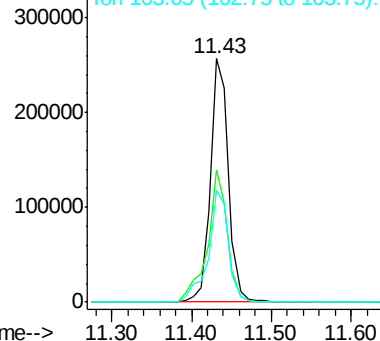


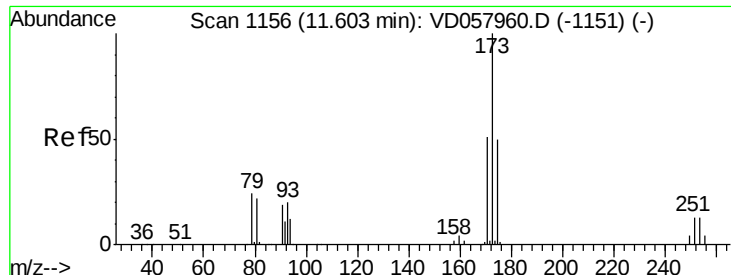
#70
Styrene
Concen: 23.103 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion:104 Resp: 404932
Ion Ratio Lower Upper
104 100
78 54.5 42.1 63.1
103 46.1 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: 22.351 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

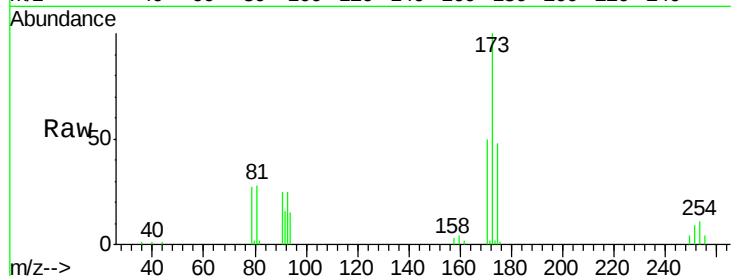
Tot Ion:173 Resp: 116993

Ion Ratio Lower Upper

173 100

175 47.8 25.1 75.2

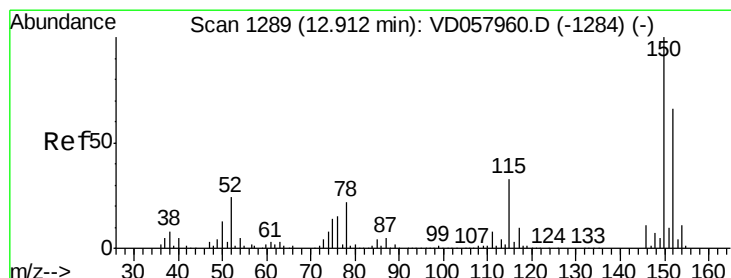
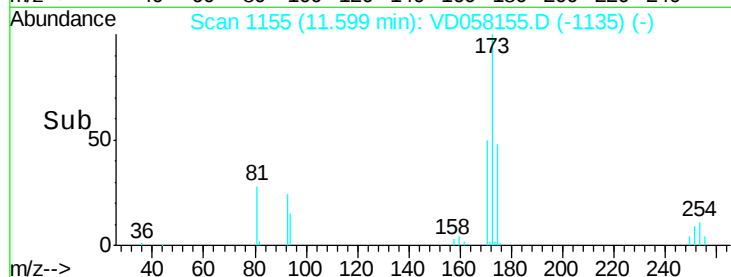
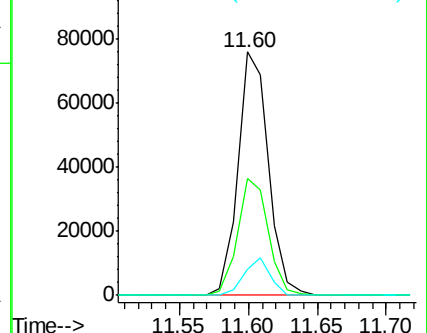
254 10.9 10.7 16.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

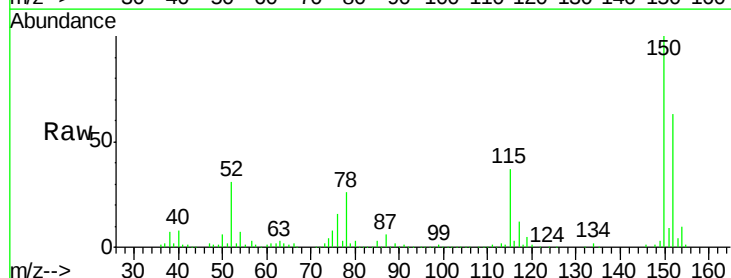
Tgt Ion:152 Resp: 469599

Ion Ratio Lower Upper

152 100

115 58.6 25.6 76.6

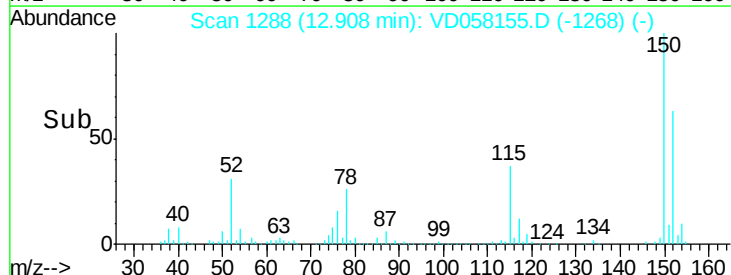
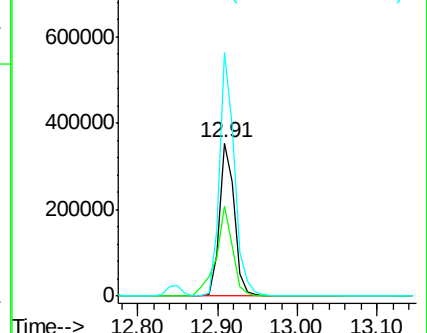
150 159.1 0.0 306.8

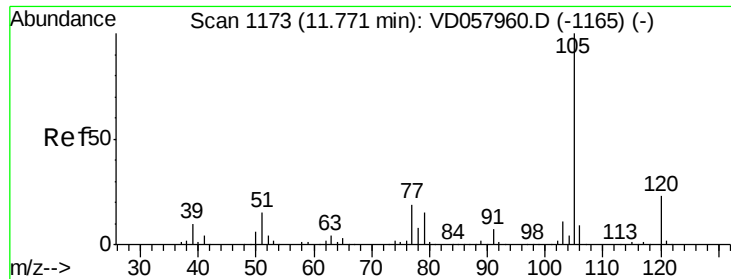


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

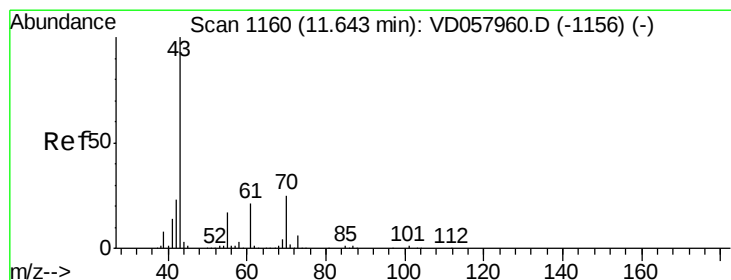
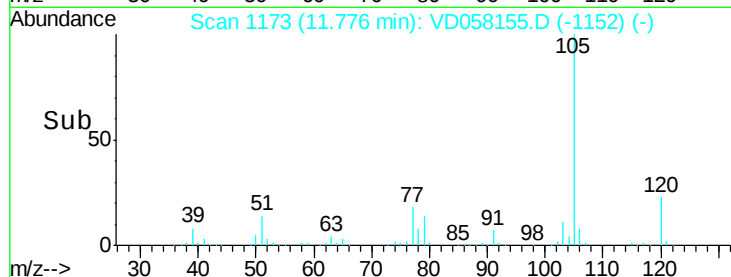
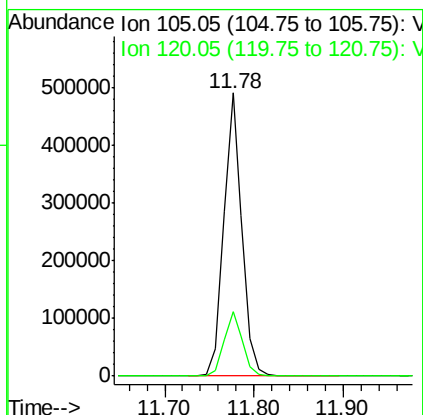
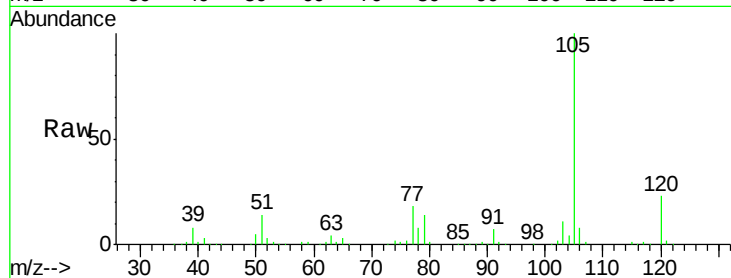




#73
Isopropylbenzene
Concen: 22.488 ug/l
RT: 11.78 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

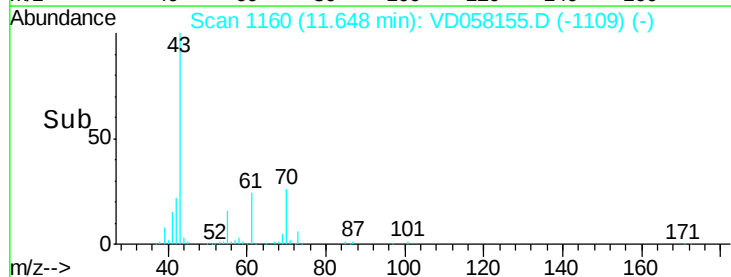
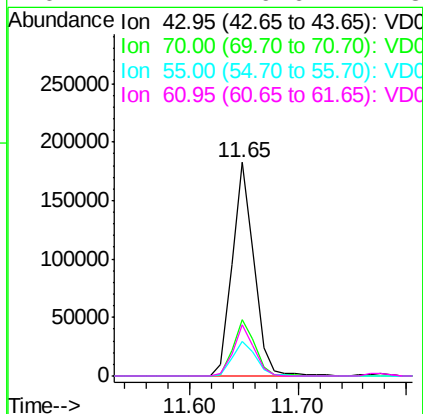
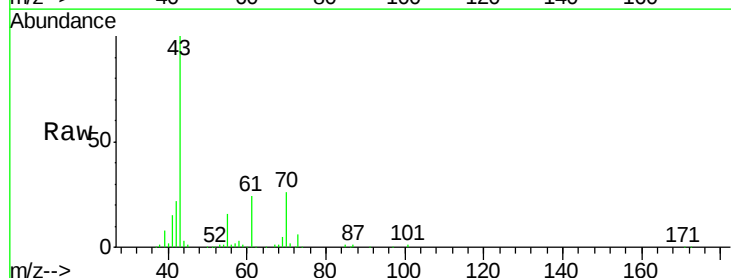
Instrument :
MSVOA_D
ClientSampleId :

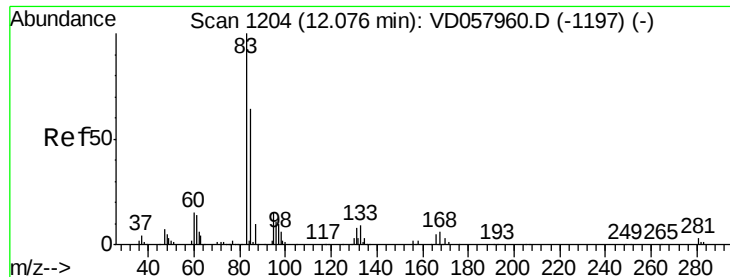
Tot Ion:105 Resp: 699458
Ion Ratio Lower Upper
105 100
120 22.6 11.3 33.9



#74
N-ethyl acetate
Concen: 21.285 ug/l
RT: 11.65 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 43 Resp: 255462
Ion Ratio Lower Upper
43 100
70 26.1 20.3 30.5
55 16.1 13.9 20.9
61 24.2 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.617 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

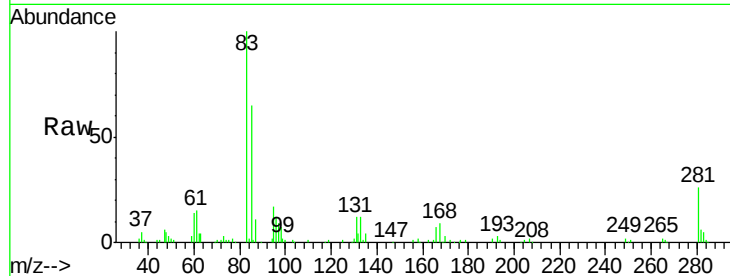
Tot Ion: 83 Resp: 146592

Ion Ratio Lower Upper

83 100

131 11.7 4.2 12.6

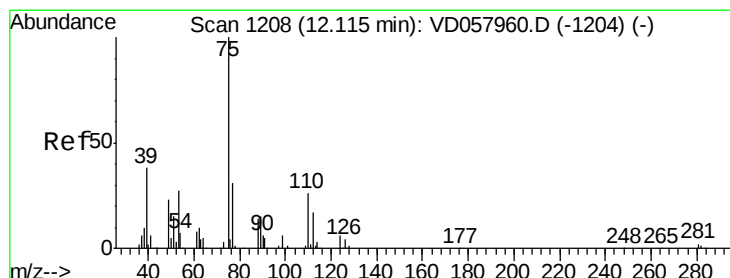
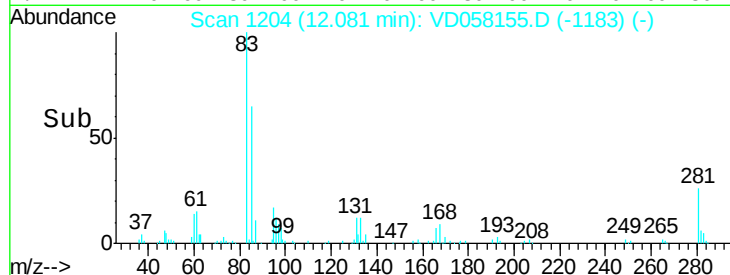
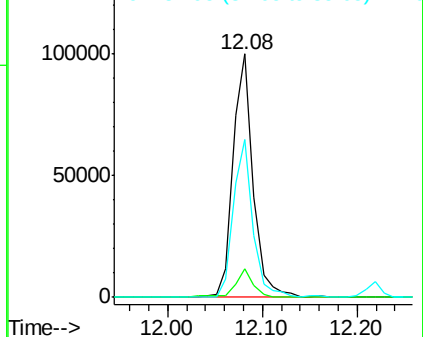
85 65.0 31.9 95.5



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: 21.985 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058155.D

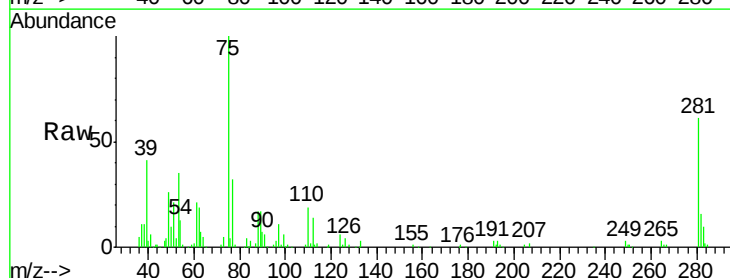
Acq: 15 Jun 2018 16:38

Tgt Ion: 75 Resp: 155081

Ion Ratio Lower Upper

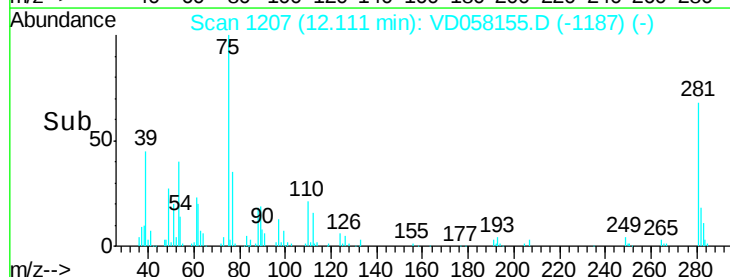
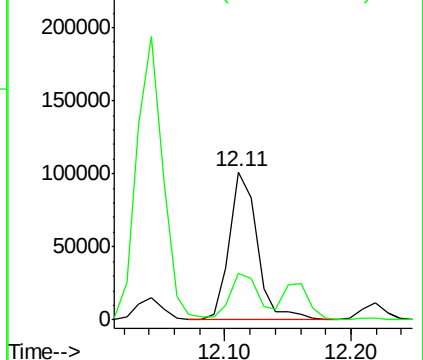
75 100

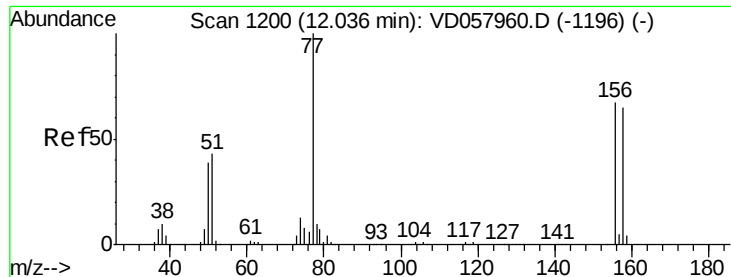
77 31.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.804 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

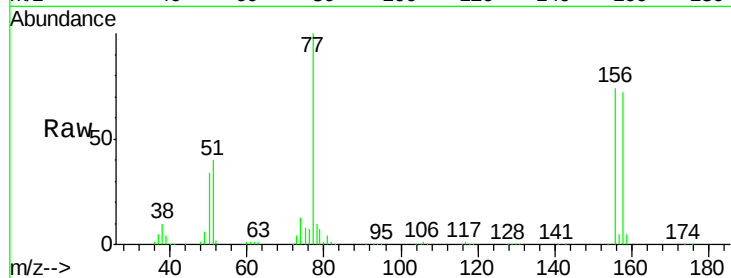
Tot Ion:156 Resp: 200745

Ion Ratio Lower Upper

156 100

77 134.7 75.0 224.8

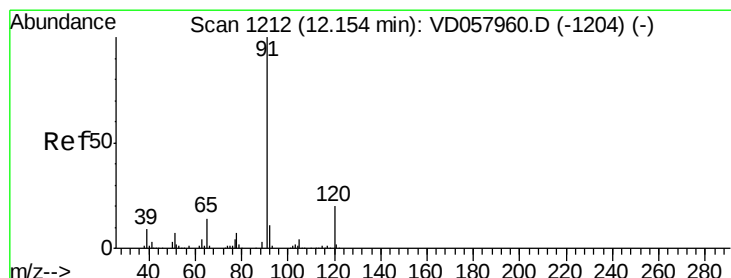
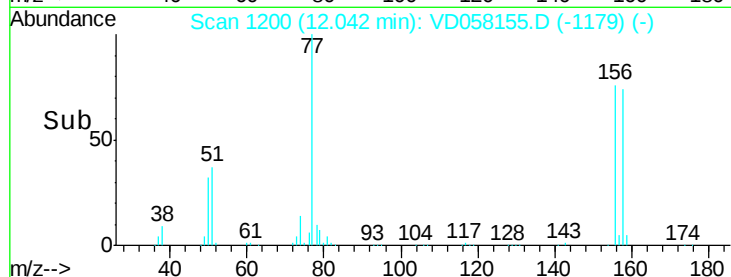
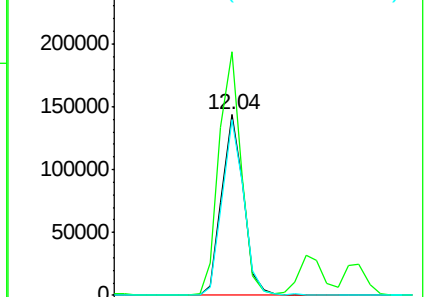
158 97.5 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.666 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD058155.D

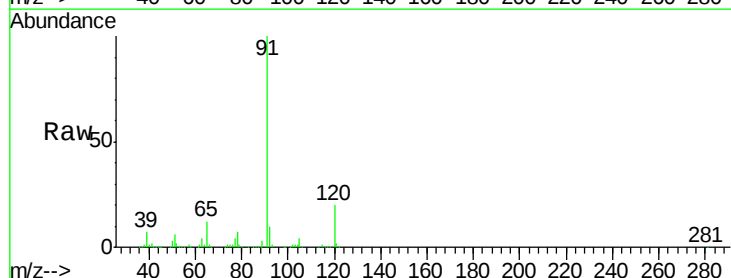
Acq: 15 Jun 2018 16:38

Tgt Ion: 91 Resp: 917405

Ion Ratio Lower Upper

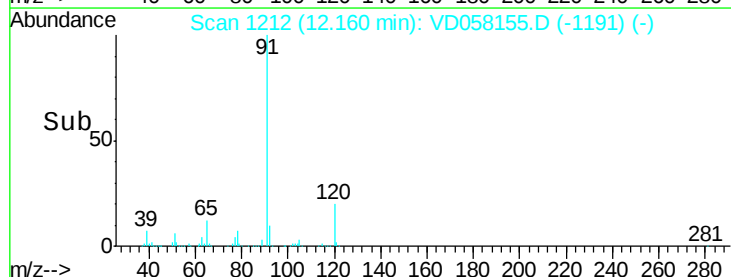
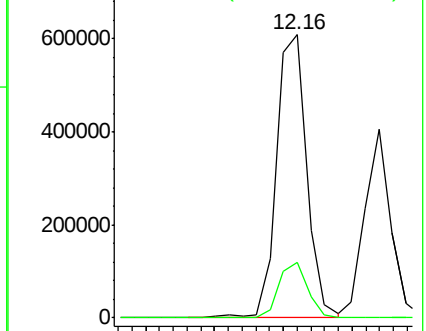
91 100

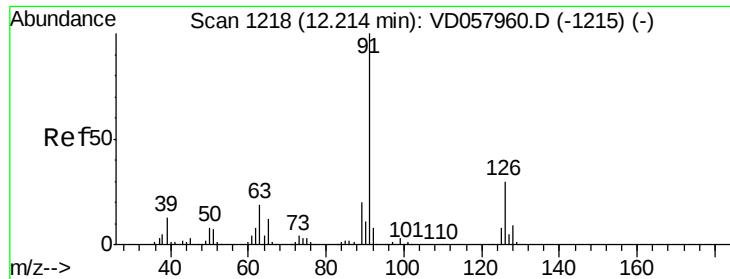
120 19.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

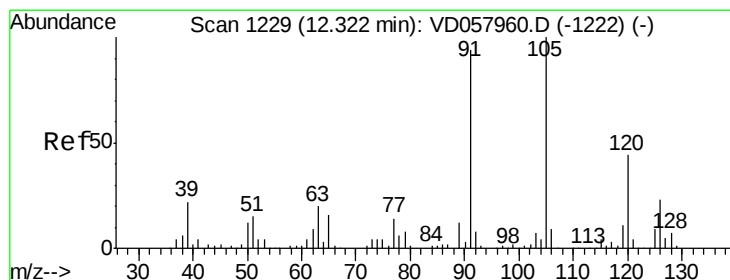
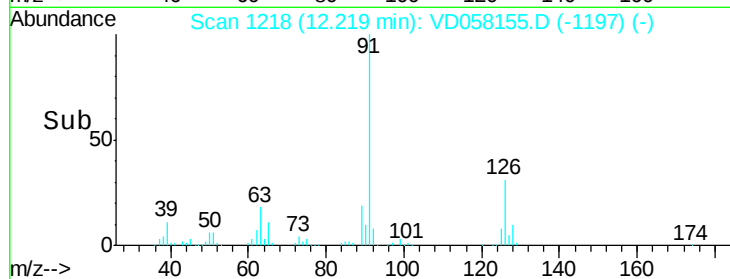
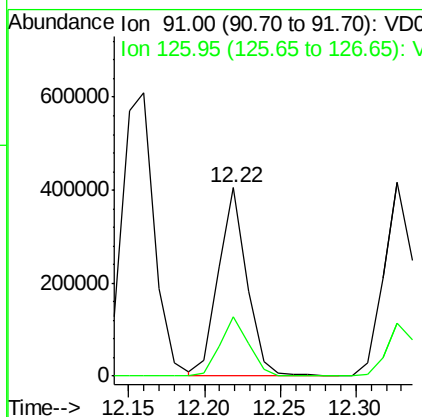
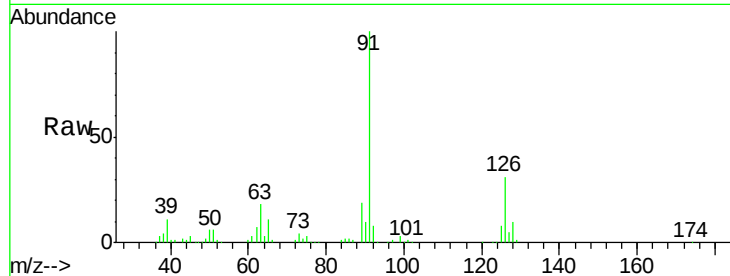




#79
 2-Chlorotoluene
 Concen: 22.913 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

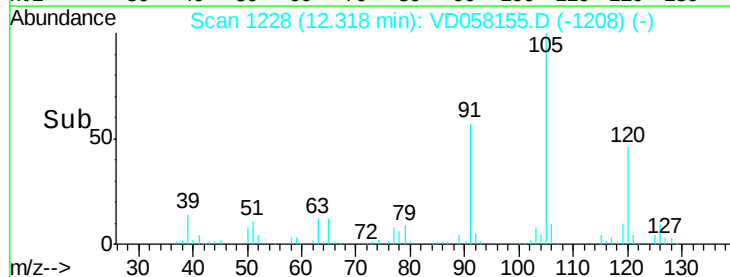
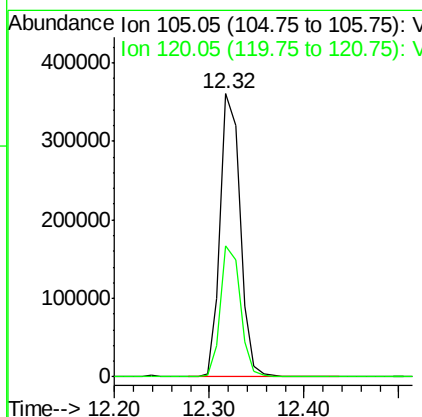
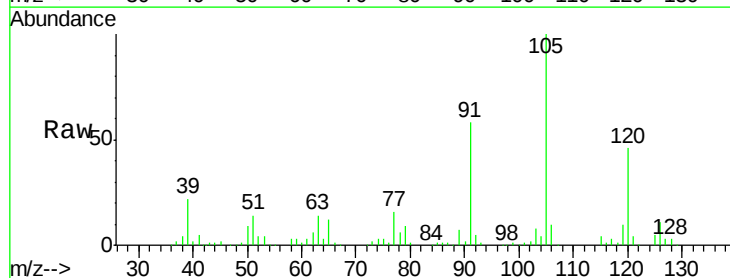
Instrument :
 MSVOA_D
 ClientSampleId :

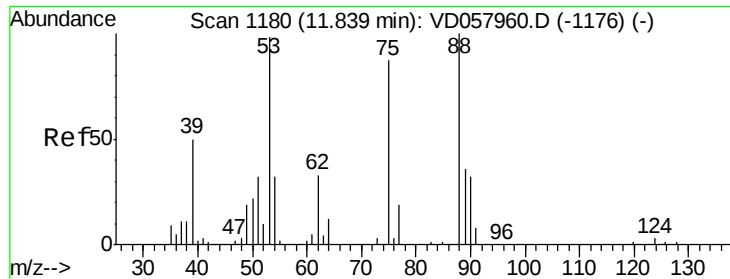
Tot Ion: 91 Resp: 529059
 Ion Ratio Lower Upper
 91 100
 126 31.4 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.892 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion: 105 Resp: 531022
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.584 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampled :

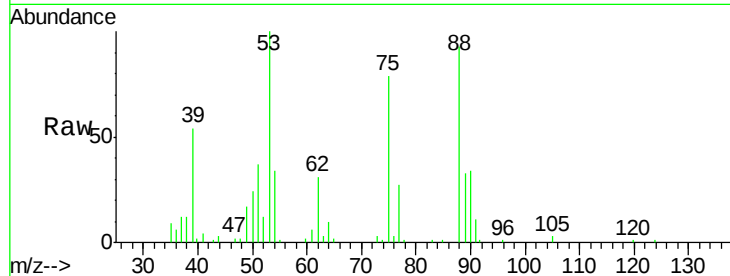
Tot Ion: 75 Resp: 39458

Ion Ratio Lower Upper

75 100

53 126.8 89.3 133.9

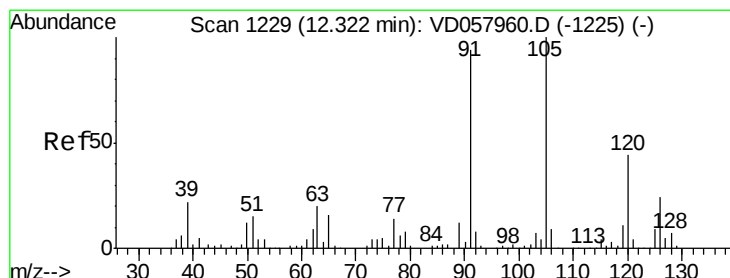
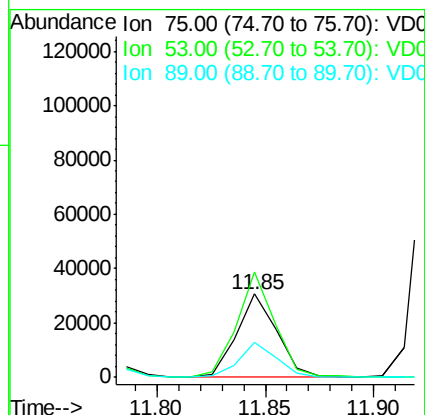
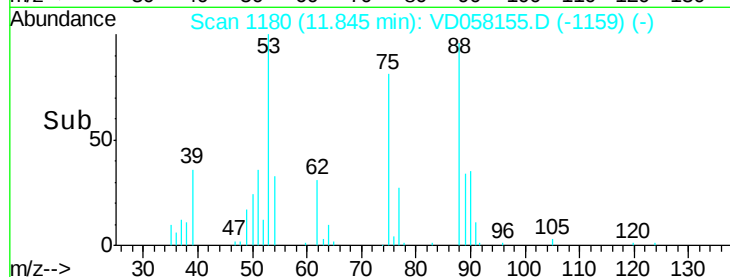
89 41.3 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.701 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD058155.D

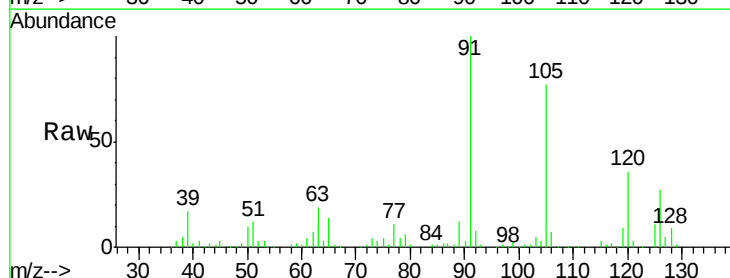
Acq: 15 Jun 2018 16:38

Tgt Ion: 91 Resp: 569804

Ion Ratio Lower Upper

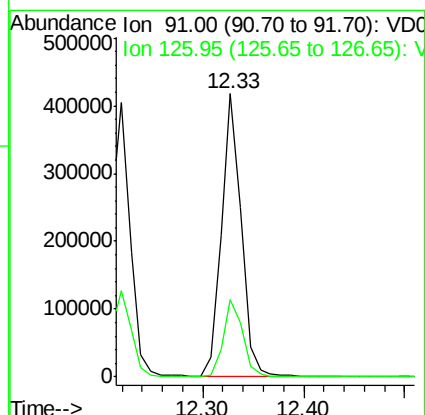
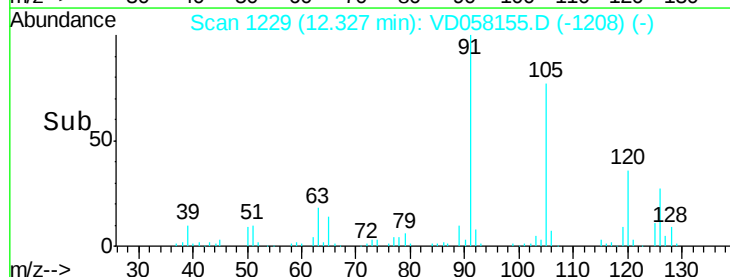
91 100

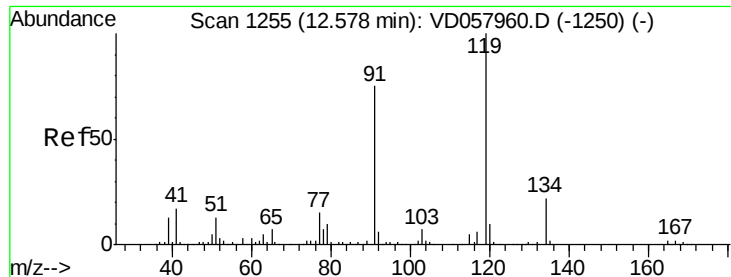
126 27.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

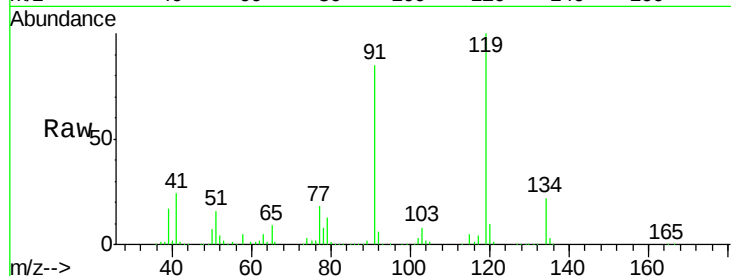




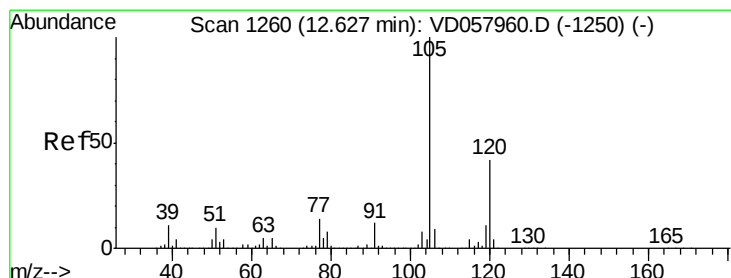
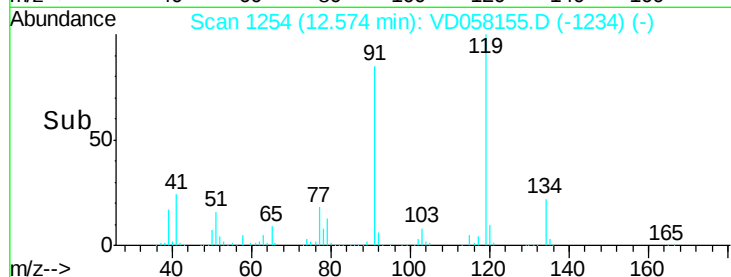
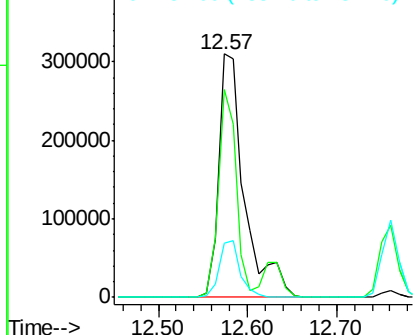
#83
tert-Butylbenzene
Concen: 22.805 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 624624
Ion Ratio Lower Upper
119 100
91 85.4 37.6 112.9
134 22.0 11.2 33.5

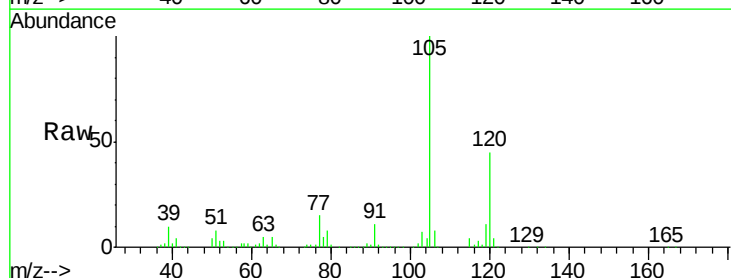


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

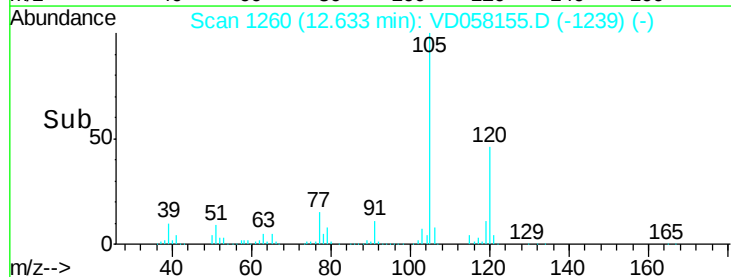
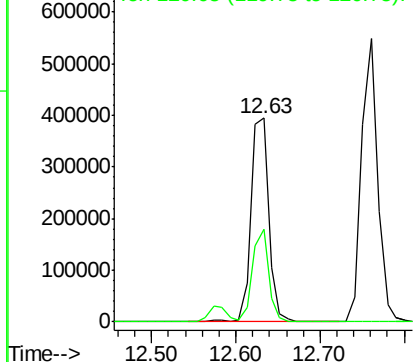


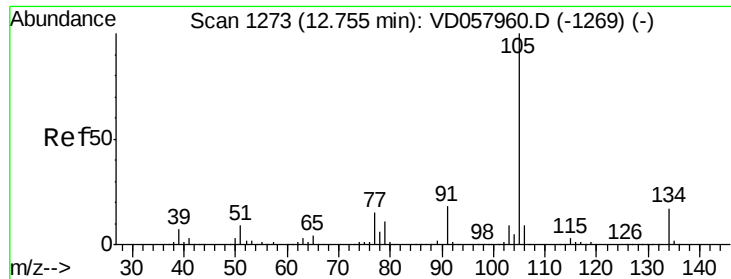
#84
1,2,4-Trimethylbenzene
Concen: 22.510 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion:105 Resp: 587091
Ion Ratio Lower Upper
105 100
120 45.4 21.2 63.6



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

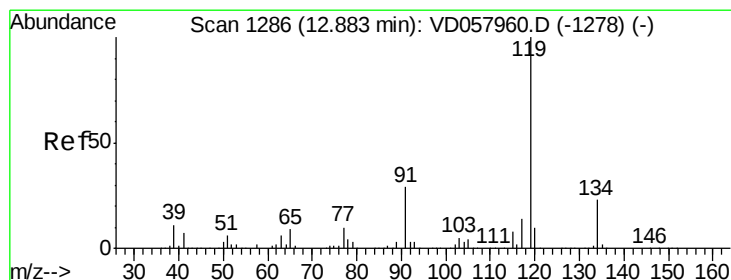
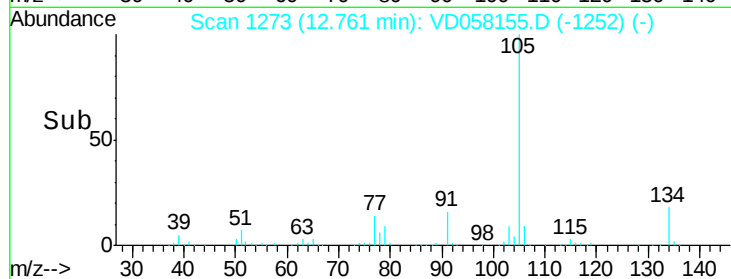
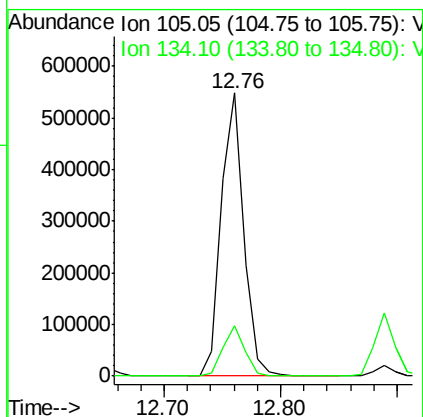
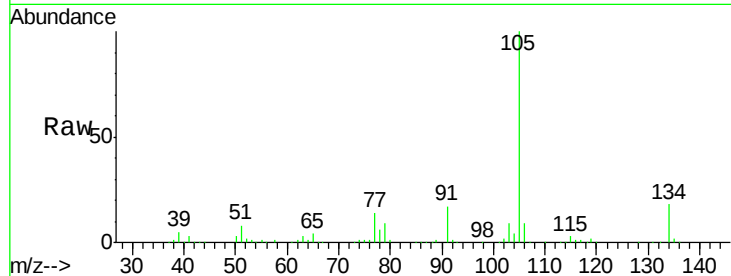




#85
 sec-Butylbenzene
 Concen: 22.232 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

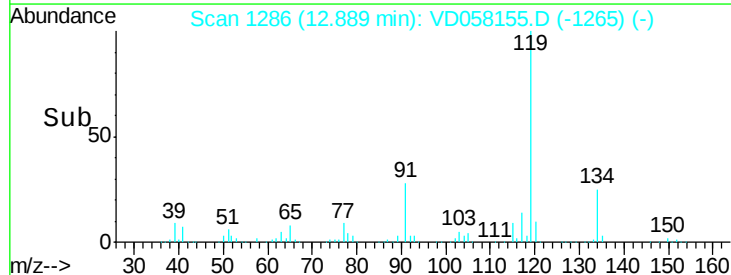
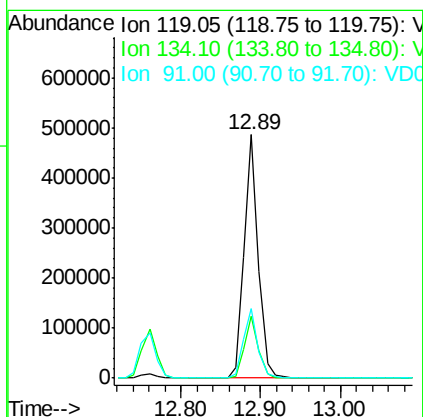
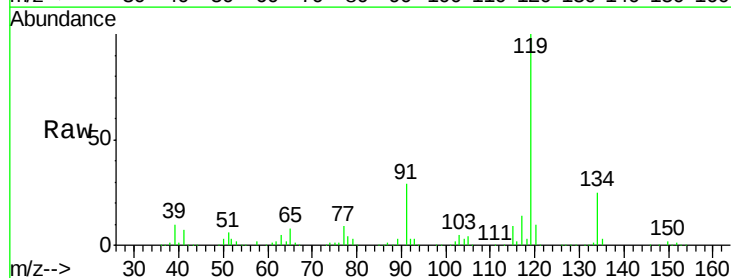
Instrument :
 MSVOA_D
 ClientSampleId :

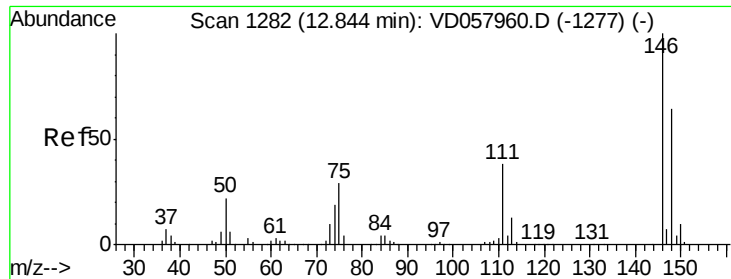
Tot Ion:105 Resp: 734874
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 22.407 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion:119 Resp: 596970
 Ion Ratio Lower Upper
 119 100
 134 25.3 11.5 34.4
 91 28.5 14.5 43.6

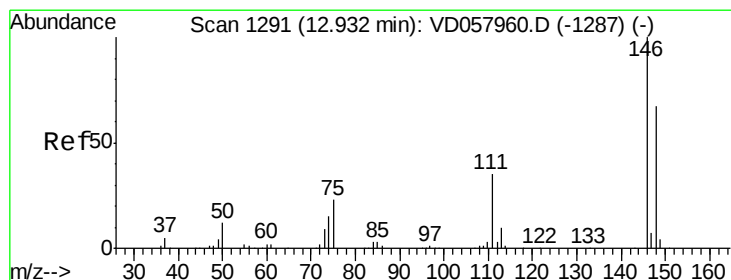
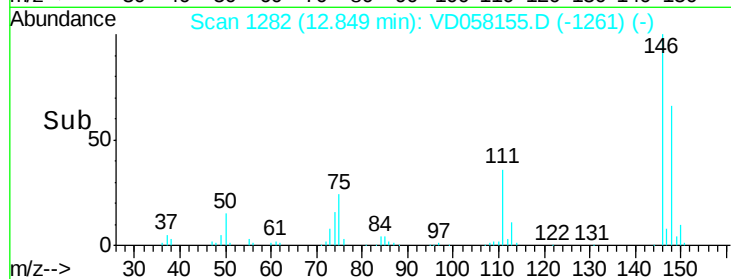
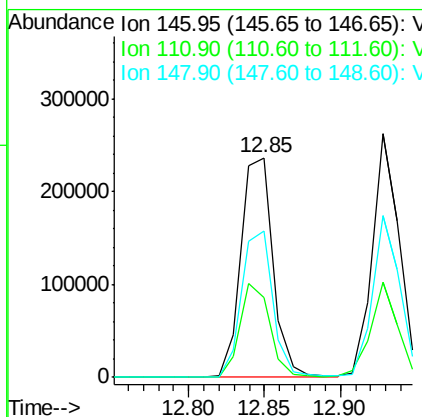
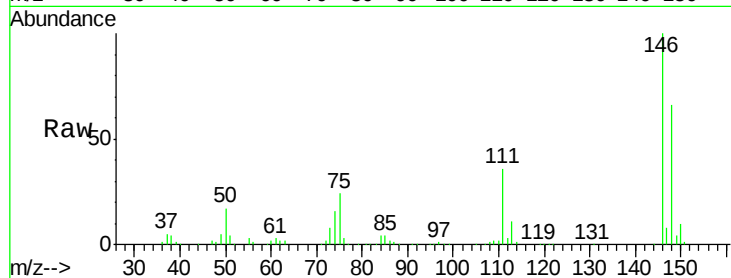




#87
 1,3-Dichlorobenzene
 Concen: 22.387 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

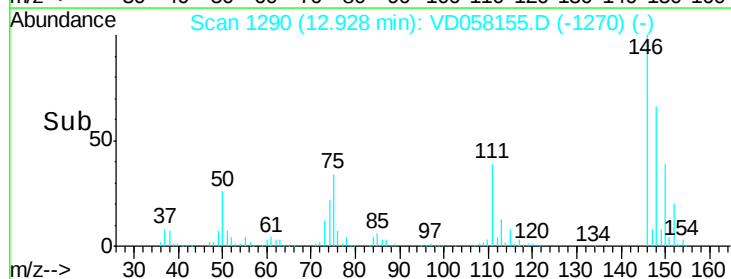
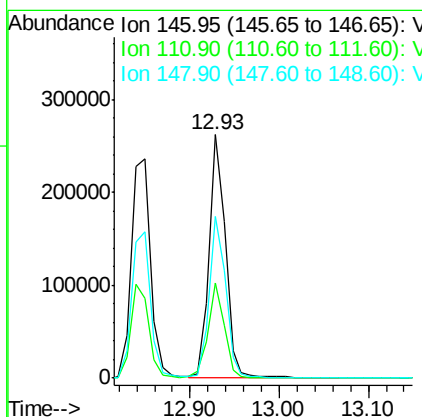
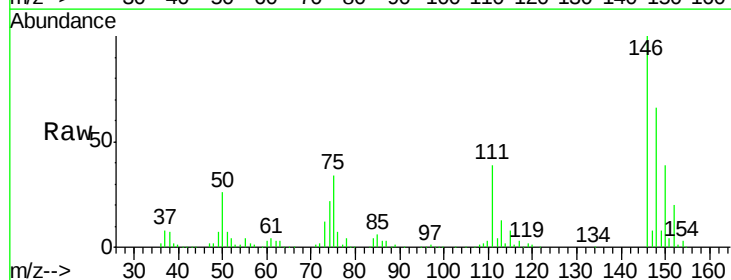
Instrument :
 MSVOA_D
 ClientSampleId :

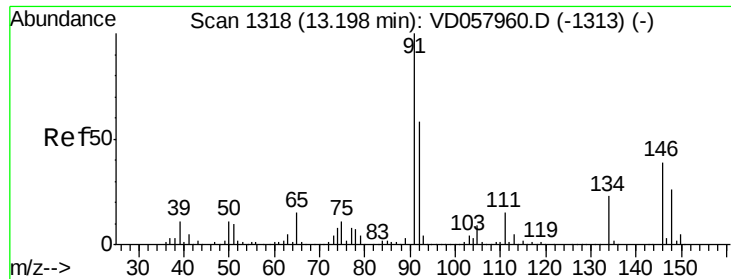
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	19.1	57.3
148	66.5	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.885 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	17.3	52.0
148	66.2	33.4	100.2

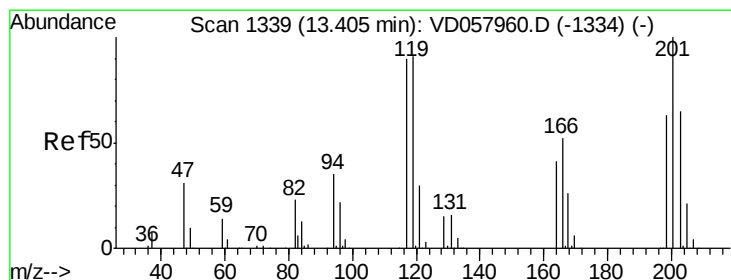
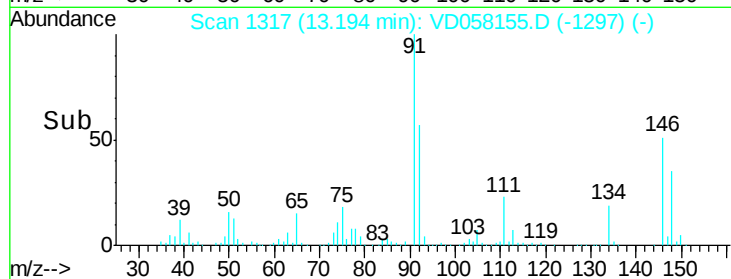
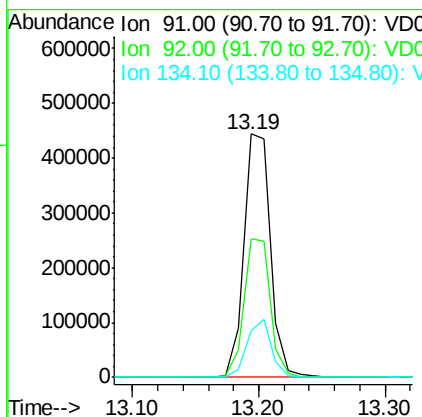
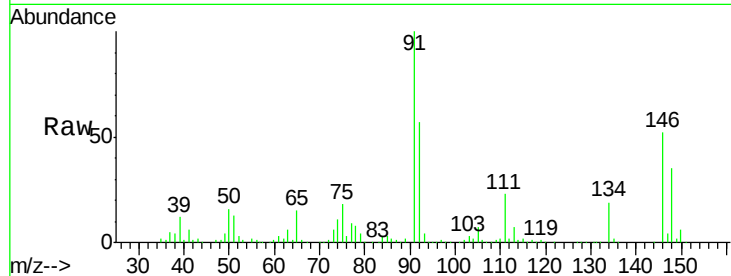




#89
n-Butylbenzene
Concen: 24.752 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

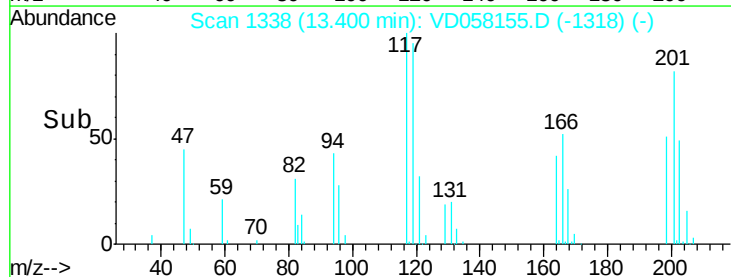
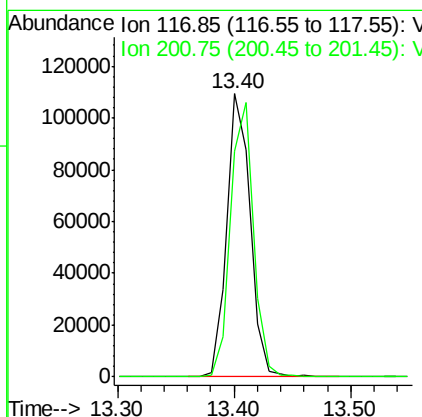
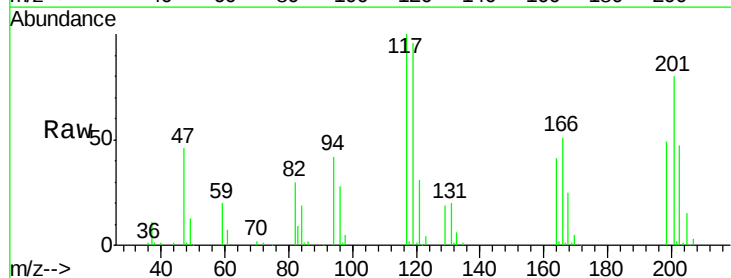
Instrument :
MSVOA_D
ClientSampled :

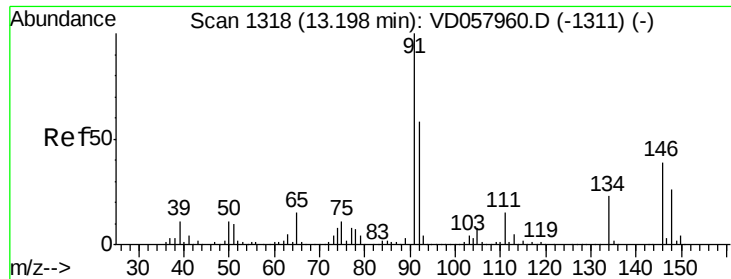
Tot Ion: 91 Resp: 647287
Ion Ratio Lower Upper
91 100
92 57.1 29.2 87.6
134 19.0 11.3 33.9



#90
Hexachloroethane
Concen: 22.321 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058155.D
Acq: 15 Jun 2018 16:38

Tgt Ion: 117 Resp: 151784
Ion Ratio Lower Upper
117 100
201 79.7 55.4 166.0

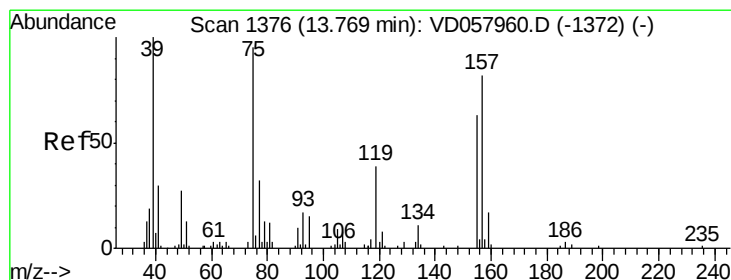
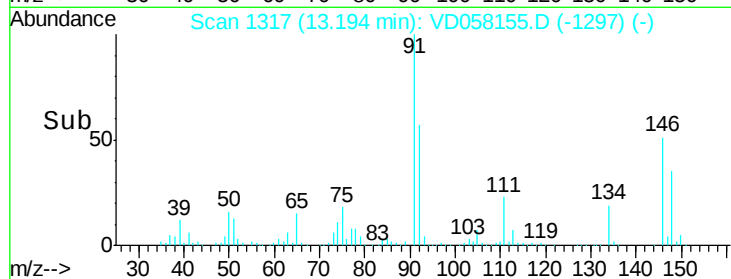
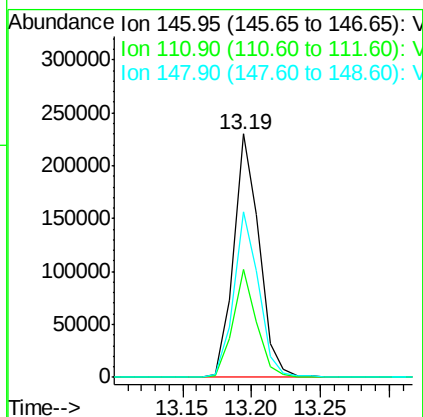
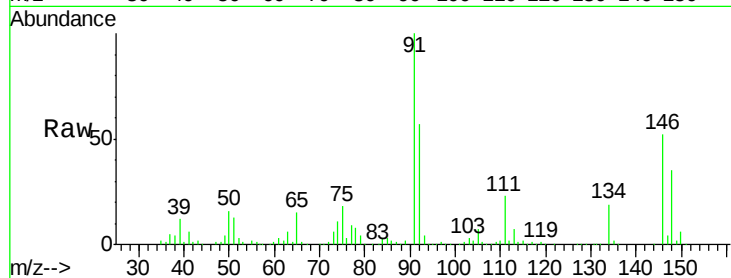




#91
 1,2-Dichlorobenzene
 Concen: 23.647 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

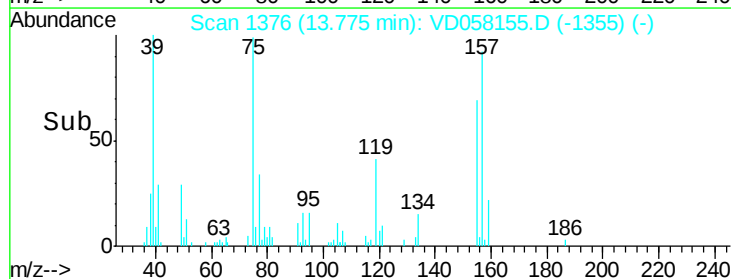
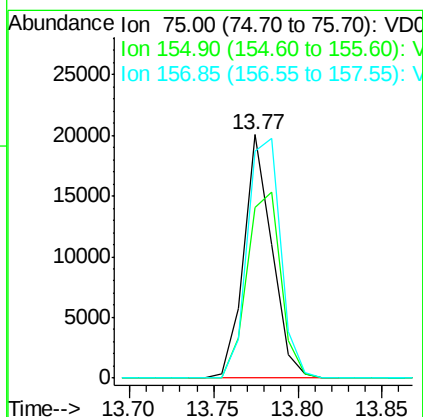
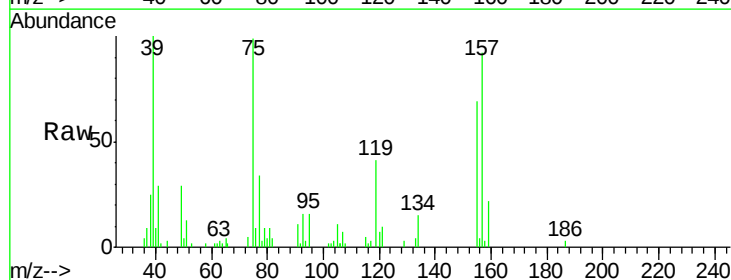
Instrument :
 MSVOA_D
 ClientSampleId :

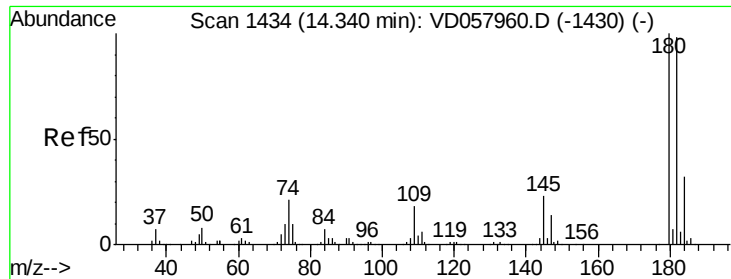
Tot Ion:146 Resp: 297617
 Ion Ratio Lower Upper
 146 100
 111 44.4 19.4 58.2
 148 68.2 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.299 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion: 75 Resp: 23338
 Ion Ratio Lower Upper
 75 100
 155 70.1 33.4 100.1
 157 93.4 42.9 128.5

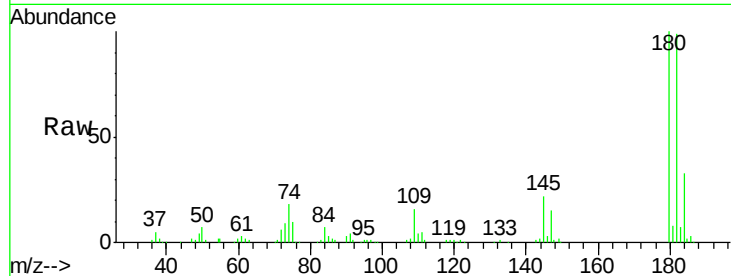




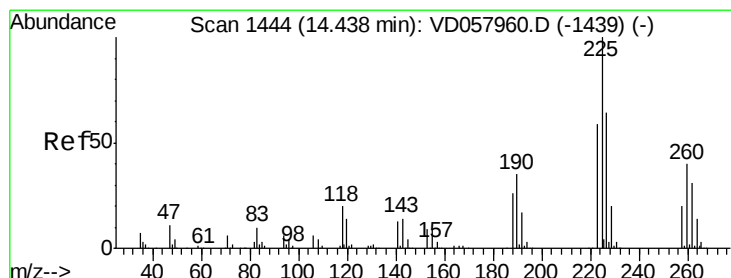
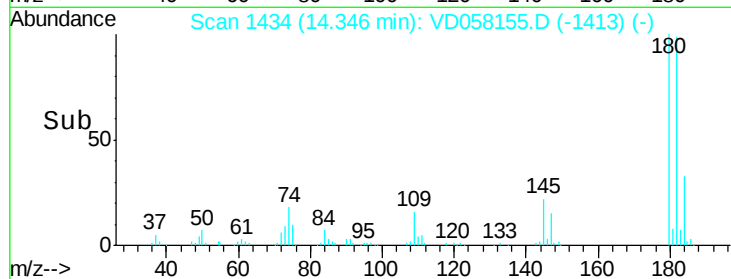
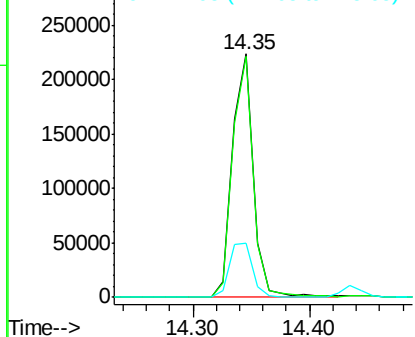
#93
 1,2,4-Trichlorobenzene
 Concen: 23.650 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 278090
 Ion Ratio Lower Upper
 180 100
 182 98.8 49.0 147.2
 145 22.3 11.8 35.3

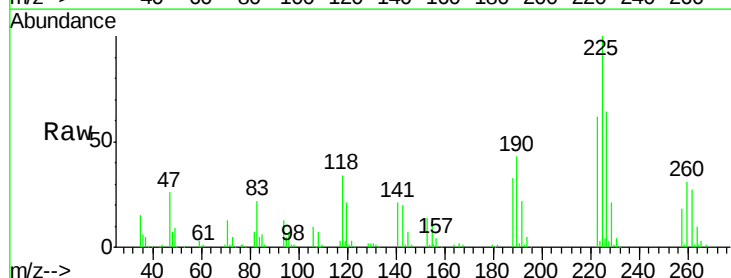


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

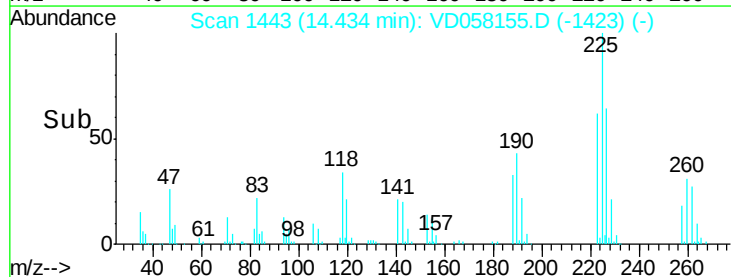
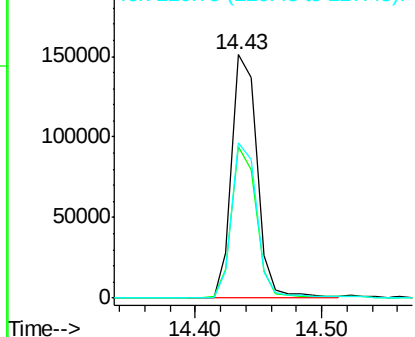


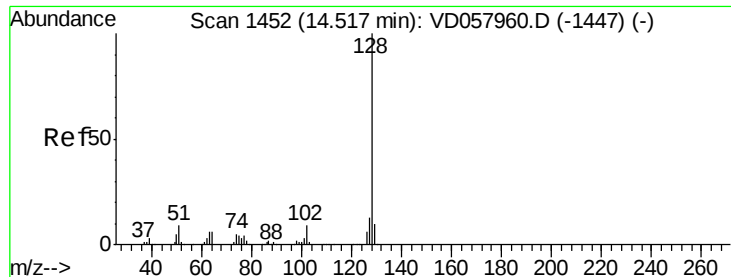
#94
 Hexachlorobutadiene
 Concen: 22.858 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058155.D
 Acq: 15 Jun 2018 16:38

Tgt Ion:225 Resp: 211417
 Ion Ratio Lower Upper
 225 100
 223 62.3 29.5 88.6
 227 63.9 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: 22.827 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

Instrument :

MSVOA_D

ClientSampleId :

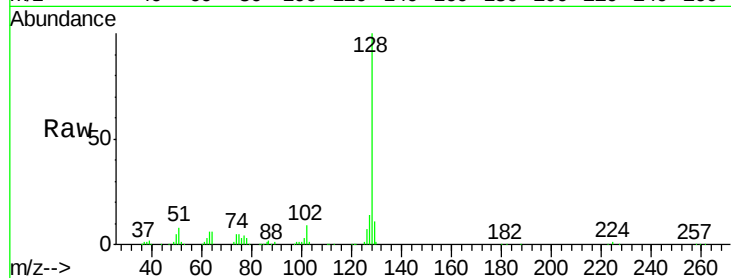
Tot Ion:128 Resp: 346071

Ion Ratio Lower Upper

128 100

127 14.3 10.2 15.2

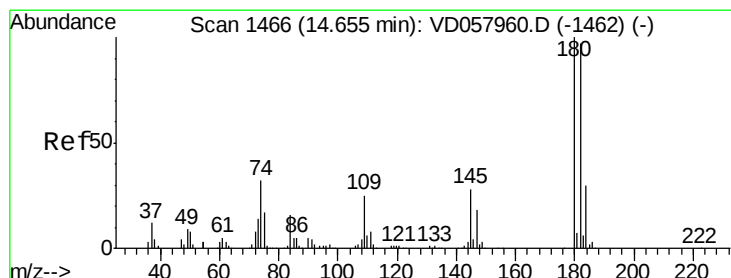
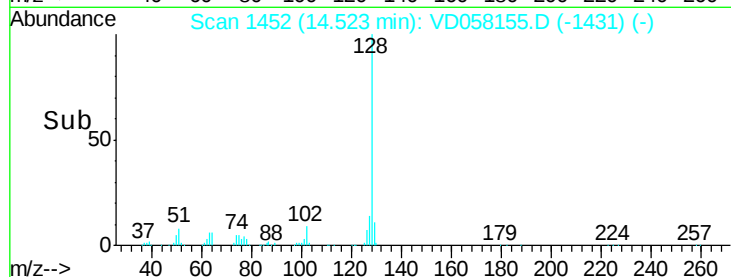
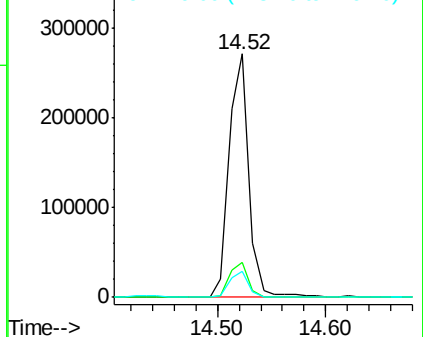
129 10.7 8.2 12.2



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: 23.676 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. 0.01 min

Lab File: VD058155.D

Acq: 15 Jun 2018 16:38

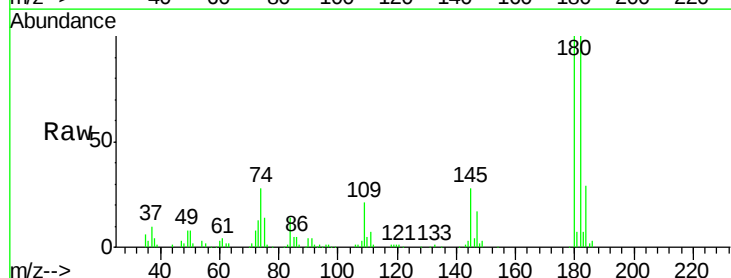
Tgt Ion:180 Resp: 237254

Ion Ratio Lower Upper

180 100

182 99.6 48.5 145.5

145 27.9 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

