

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058013.D
 Acq On : 8 Jun 2018 13:00
 Operator : VA/AP
 Sample : VD0608SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Quant Time: Jun 08 13:17:52 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	987864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1271185	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	1069696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	540942	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	458524	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	5.54	113	489271	49.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.70	98	1135592	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.92	95	469133	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.35	85	288894	21.79	ug/l	100
3) Chloromethane	1.48	50	150632	23.07	ug/l	98
4) Vinyl Chloride	1.56	62	141404	22.37	ug/l	100
5) Bromomethane	1.80	94	47041	18.99	ug/l	88
6) Chloroethane	1.89	64	47312	18.97	ug/l	90
7) Trichlorofluoromethane	2.09	101	172737	19.99	ug/l	100
8) Diethyl Ether	2.35	74	36252	22.59	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	114289	22.18	ug/l	97
10) Methyl Iodide	2.70	142	130303	19.60	ug/l	93
11) Tert butyl alcohol	3.27	59	24103	91.10	ug/l	95
12) 1,1-Dichloroethene	2.55	96	89409	22.57	ug/l	92
13) Acrolein	2.47	56	42613	112.47	ug/l	88
14) Allyl chloride	2.92	41	198634	21.73	ug/l	95
15) Acrylonitrile	3.36	53	163550	105.67	ug/l	97
16) Acetone	2.62	43	149491	105.06	ug/l	92
17) Carbon Disulfide	2.75	76	310792	21.65	ug/l	100
18) Methyl Acetate	2.94	43	54388	19.76	ug/l #	89
19) Methyl tert-butyl Ether	3.40	73	363057	20.83	ug/l	98
20) Methylene Chloride	3.07	84	95253	23.20	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	192524	21.82	ug/l	99
22) Diisopropyl ether	4.06	45	753156	20.80	ug/l	94
23) Vinyl Acetate	4.01	43	1971931	105.41	ug/l	100
24) 1,1-Dichloroethane	3.98	63	416929	20.95	ug/l	100
25) 2-Butanone	4.83	43	321872	99.54	ug/l	95
26) 2,2-Dichloropropane	4.79	77	339668	20.72	ug/l	94
27) cis-1,2-Dichloroethene	4.80	96	220660	21.08	ug/l	96
28) Bromochloromethane	5.14	49	183353	21.29	ug/l	97
29) Tetrahydrofuran	5.19	42	173856	102.56	ug/l	99
30) Chloroform	5.31	83	423710	21.16	ug/l	98
31) Cyclohexane	5.59	56	363894	21.19	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	345712	20.62	ug/l	99
36) 1,1-Dichloropropene	5.74	75	307586	21.96	ug/l	99
37) Ethyl Acetate	4.92	43	169358	22.16	ug/l #	92
38) Carbon Tetrachloride	5.72	117	292087	21.16	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	292090	21.04	ug/l	97
40) Benzene	6.00	78	726180	22.20	ug/l	100
41) Methacrylonitrile	5.12	41	79789	22.83	ug/l	97
42) 1,2-Dichloroethane	6.12	62	284820	21.53	ug/l	100
43) Isopropyl Acetate	7.61	43	213978	21.38	ug/l #	97
44) Trichloroethene	6.98	130	201358	21.07	ug/l	100
45) 1,2-Dichloropropane	7.34	63	190073	20.90	ug/l	99
46) Dibromomethane	7.45	93	122414	20.96	ug/l	92
47) Bromodichloromethane	7.74	83	290604	21.25	ug/l	100
48) Methyl methacrylate	7.50	41	123024	19.97	ug/l	96
49) 1,4-Dioxane	7.48	88	21397	419.24	ug/l	96
51) 4-Methyl-2-Pentanone	8.59	43	703986	109.65	ug/l	100
52) Toluene	8.79	92	428929	22.84	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	262833	22.31	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	303820	21.89	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	131360	21.62	ug/l	98
56) Ethyl methacrylate	9.30	69	158987	21.33	ug/l	97
57) 1,3-Dichloropropane	9.66	76	224771	21.09	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	434311	115.32	ug/l	97
59) 2-Hexanone	9.77	43	528277	112.28	ug/l	100
60) Dibromochloromethane	9.95	129	177810	20.75	ug/l	95
61) 1,2-Dibromoethane	10.09	107	146158	20.91	ug/l	96
64) Tetrachloroethene	9.51	164	196012	20.50	ug/l	97
65) Chlorobenzene	10.72	112	456039	21.06	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	163553	19.66	ug/l	89
67) Ethyl Benzene	10.85	91	841796	21.52	ug/l	97
68) m/p-Xylenes	11.00	106	554330	43.46	ug/l	94
69) o-Xylene	11.40	106	265951	21.01	ug/l	99
70) Styrene	11.43	104	449197	21.43	ug/l	98
71) Bromoform	11.59	173	125887	20.11	ug/l	93
73) Isopropylbenzene	11.76	105	738183	20.60	ug/l	100
74) N-amyl acetate	11.63	43	274421	19.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	147413	18.87	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	165803	20.40	ug/l	97
77) Bromobenzene	12.04	156	217403	20.50	ug/l	85
78) n-propylbenzene	12.15	91	1006831	21.60	ug/l	98
79) 2-Chlorotoluene	12.21	91	572493	21.52	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	627961	22.47	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	39761	19.76	ug/l	96
82) 4-Chlorotoluene	12.31	91	650553	23.46	ug/l	95
83) tert-Butylbenzene	12.57	119	664100	21.05	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	647134	21.54	ug/l	99
85) sec-Butylbenzene	12.75	105	779218	20.46	ug/l	97
86) p-Isopropyltoluene	12.87	119	644185	20.99	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	373080	20.80	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	354493	20.28	ug/l	98
89) n-Butylbenzene	13.19	91	696099	22.79	ug/l	99
90) Hexachloroethane	13.40	117	159518	20.36	ug/l	84
91) 1,2-Dichlorobenzene	13.19	146	313907	21.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24394	20.23	ug/l	66

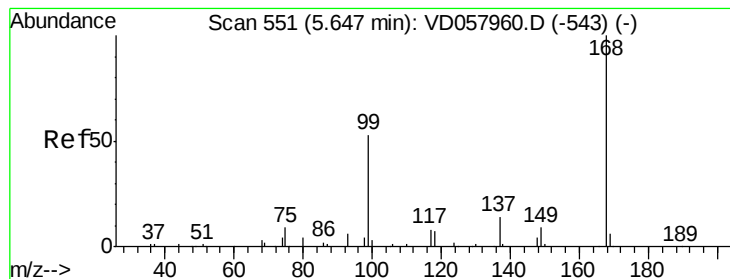
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	275723	20.36	ug/l	95
94) Hexachlorobutadiene	14.43	225	198972	18.68	ug/l	96
95) Naphthalene	14.51	128	333740	19.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	224360	19.44	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

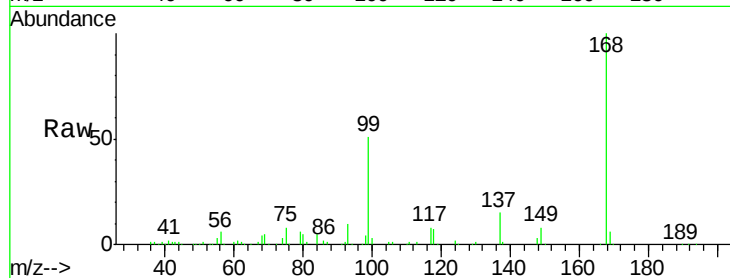
VD0608SBS01

Tot Ion:168 Resp: 987864

Ion Ratio Lower Upper

168 100

99 51.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

300000

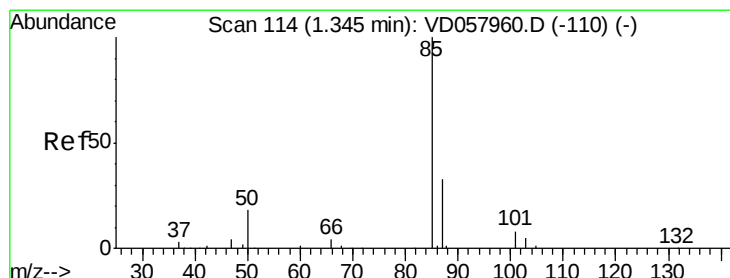
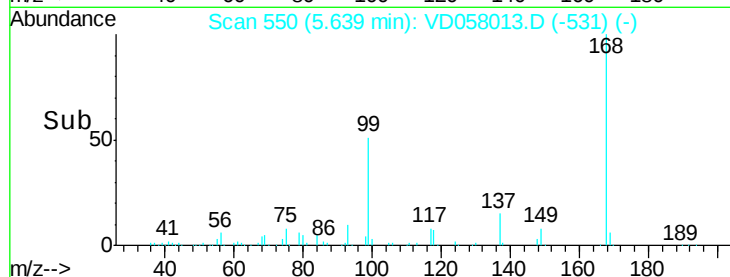
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.79 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058013.D

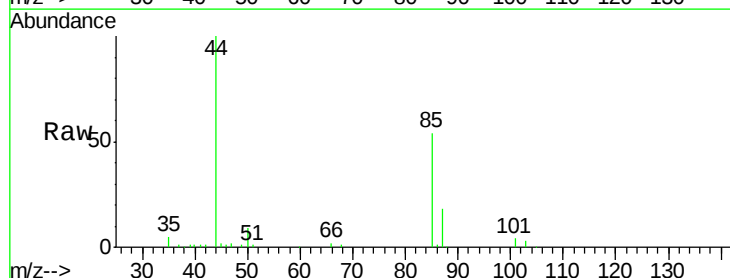
Acq: 8 Jun 2018 13:00

Tgt Ion: 85 Resp: 288894

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

120000

100000

80000

60000

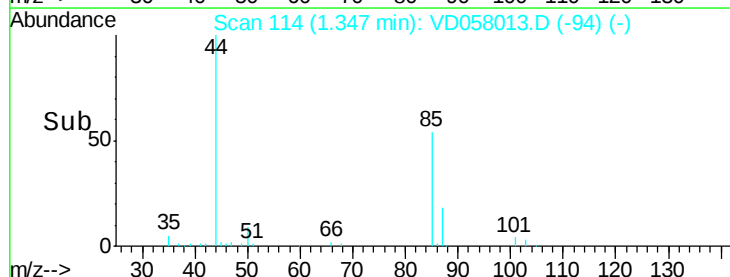
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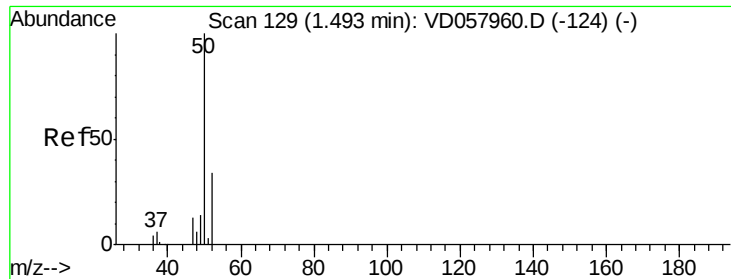
20000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 23.07 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

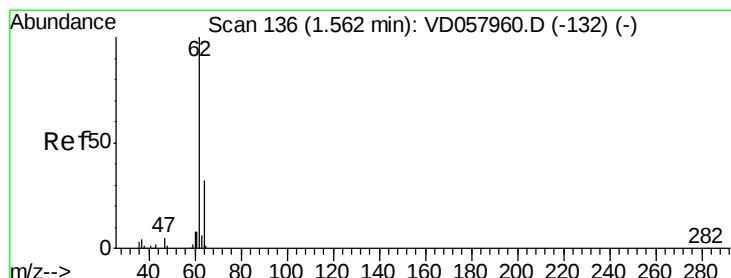
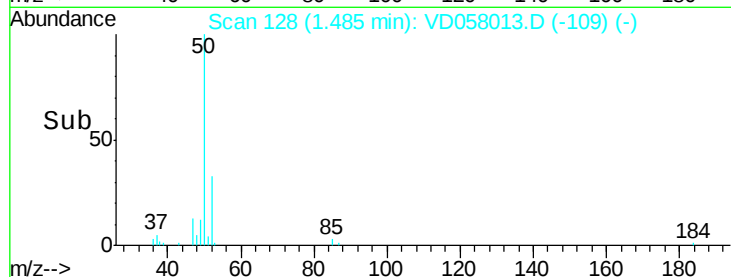
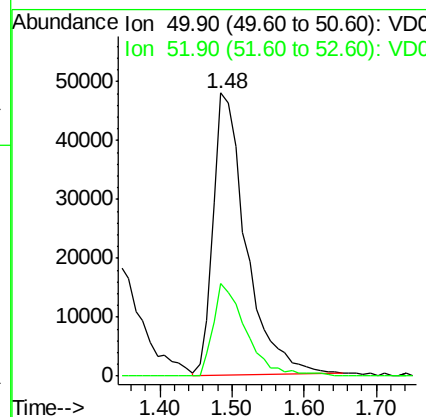
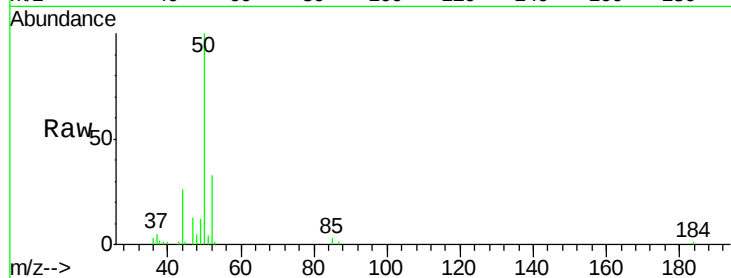
VD0608SBS01

Tot Ion: 50 Resp: 150632

Ion Ratio Lower Upper

50 100

52 32.9 27.2 40.8



#4

Vinyl Chloride

Concen: 22.37 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD058013.D

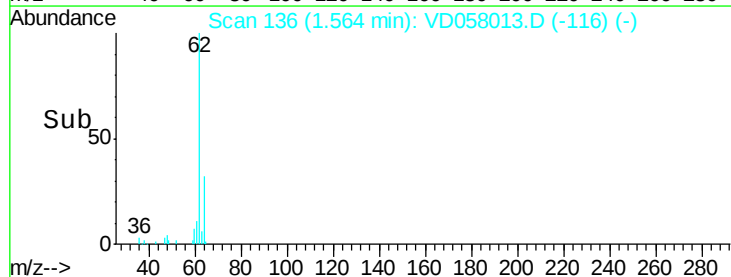
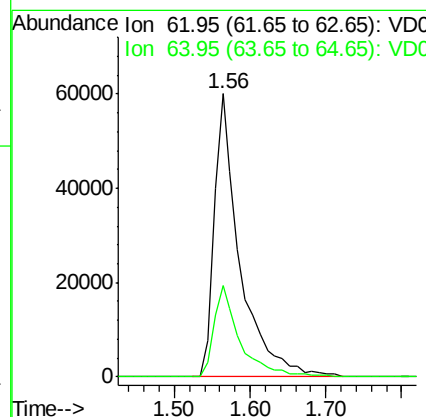
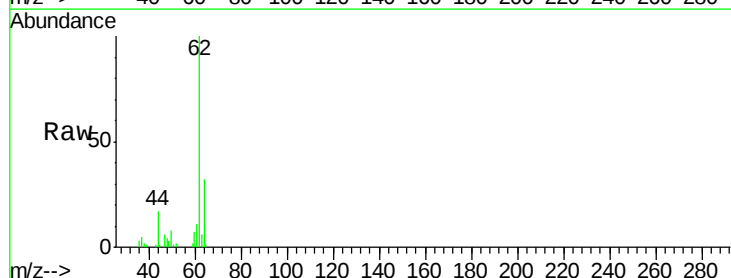
Acq: 8 Jun 2018 13:00

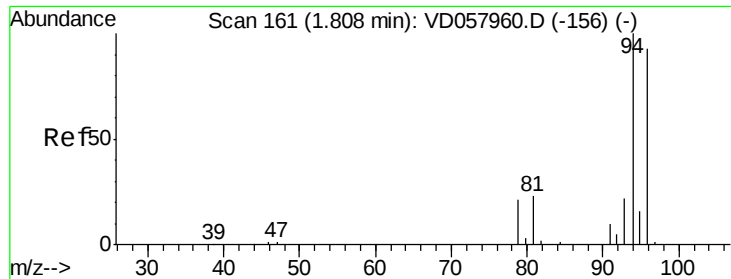
Tgt Ion: 62 Resp: 141404

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 18.99 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

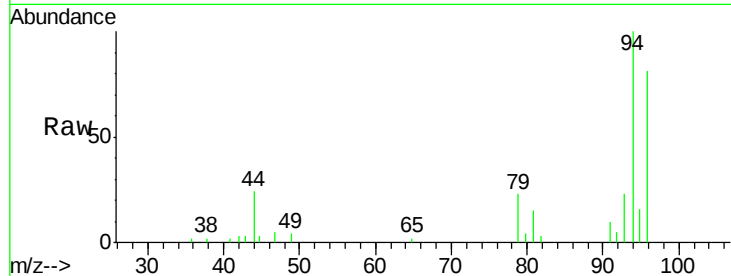
VD0608SBS01

Tot Ion: 94 Resp: 47041

Ion Ratio Lower Upper

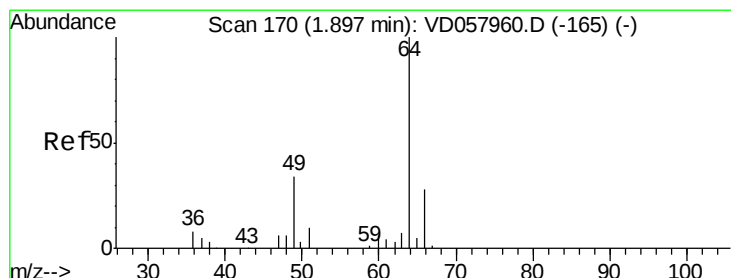
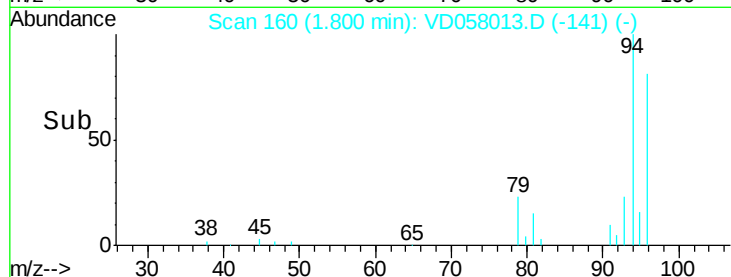
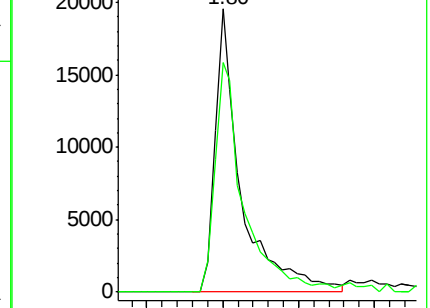
94 100

96 81.0 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.97 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058013.D

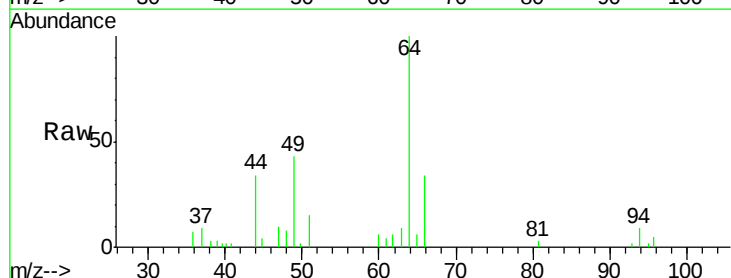
Acq: 8 Jun 2018 13:00

Tgt Ion: 64 Resp: 47312

Ion Ratio Lower Upper

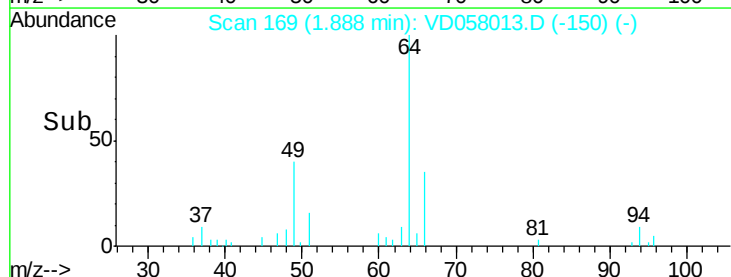
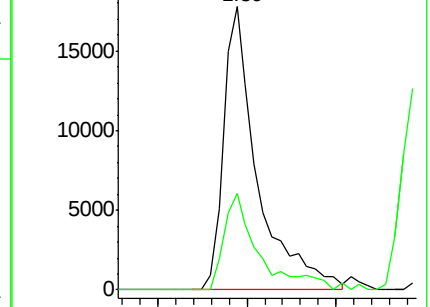
64 100

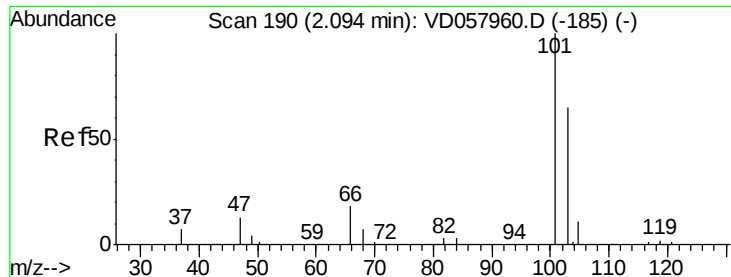
66 34.1 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



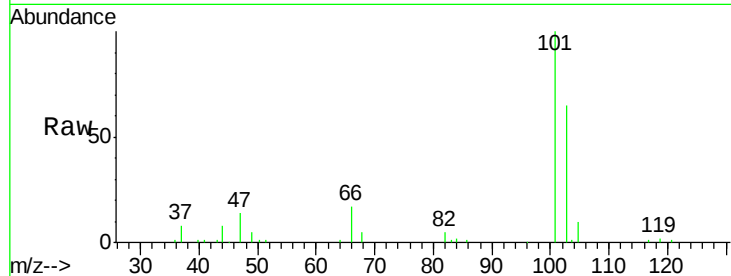


#7

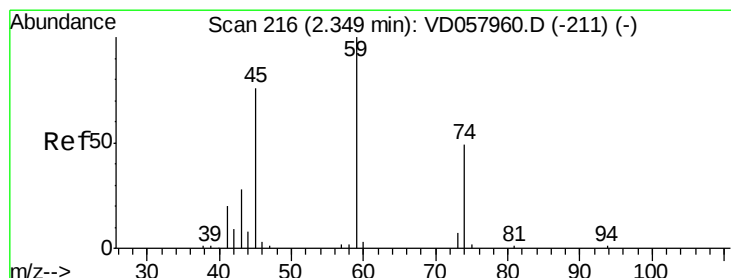
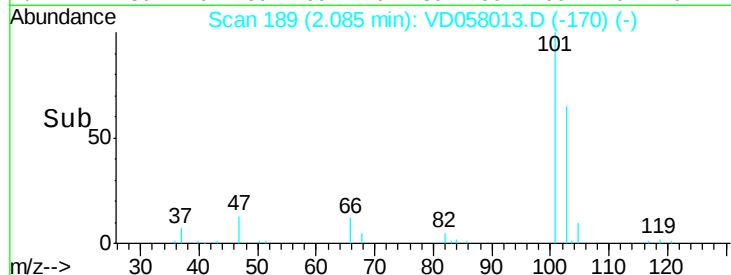
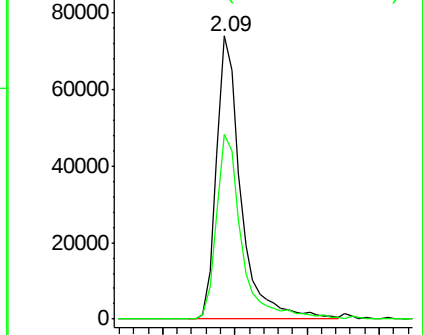
Trichlorofluoromethane
Concen: 19.99 ug/l
RT: 2.09 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion:101 Resp: 172737
Ion Ratio Lower Upper
101 100
103 65.2 52.4 78.6



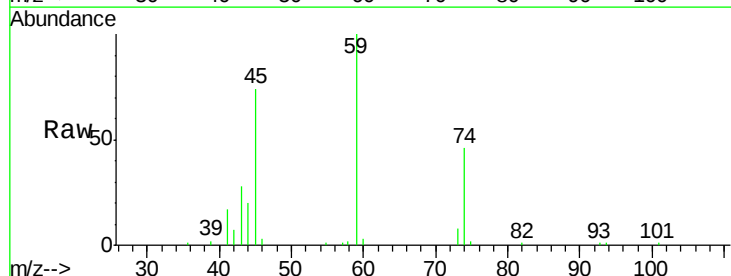
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



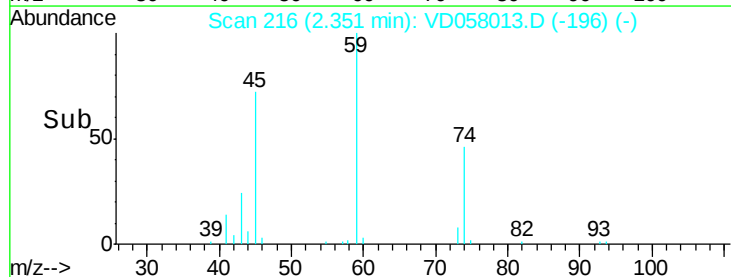
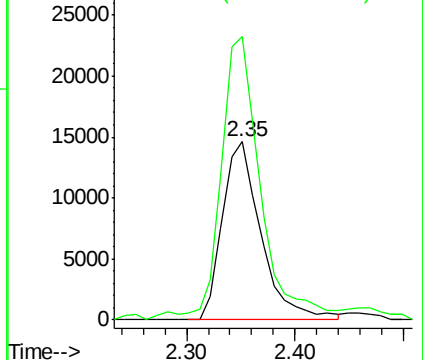
#8

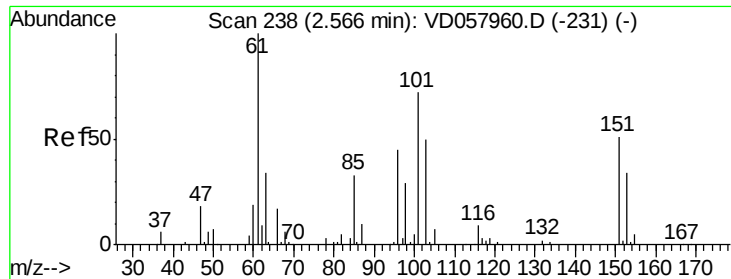
Diethyl Ether
Concen: 22.59 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 74 Resp: 36252
Ion Ratio Lower Upper
74 100
45 159.0 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.18 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

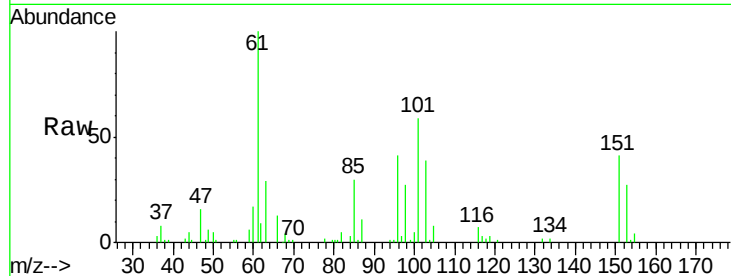
Tot Ion:101 Resp: 114289

Ion Ratio Lower Upper

101 100

85 49.8 37.3 55.9

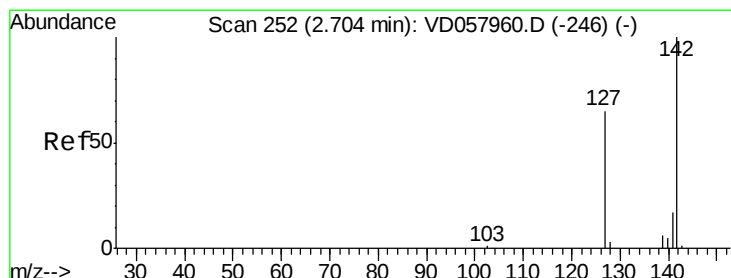
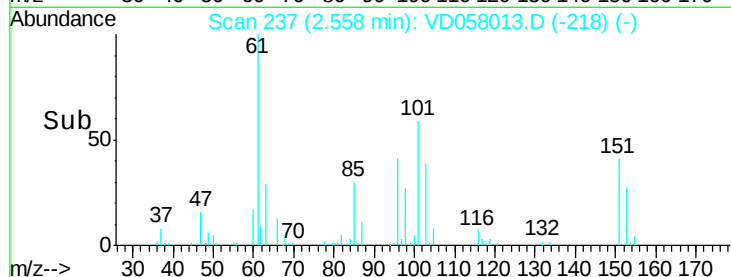
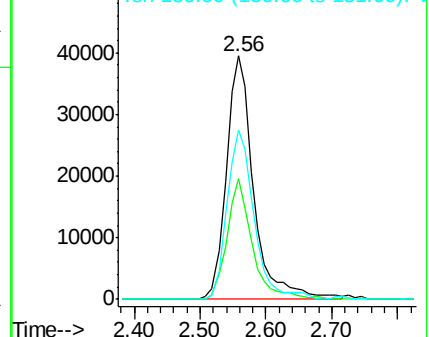
151 69.6 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.60 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

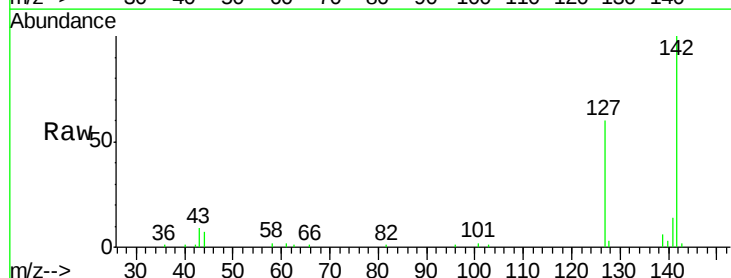
Tgt Ion:142 Resp: 130303

Ion Ratio Lower Upper

142 100

127 59.6 52.0 78.0

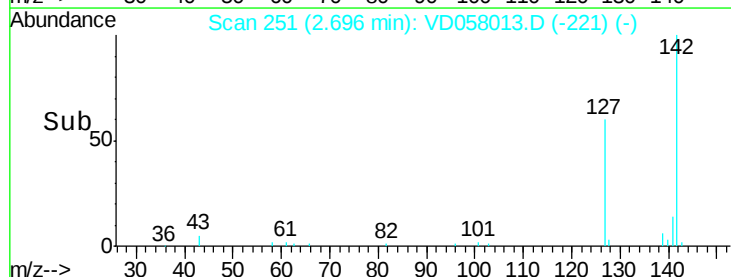
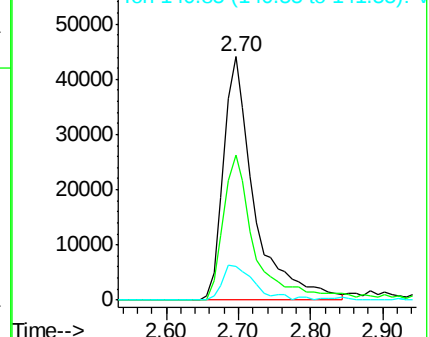
141 13.8 13.2 19.8

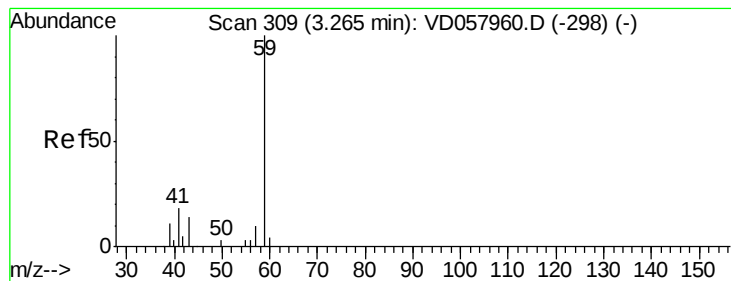


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



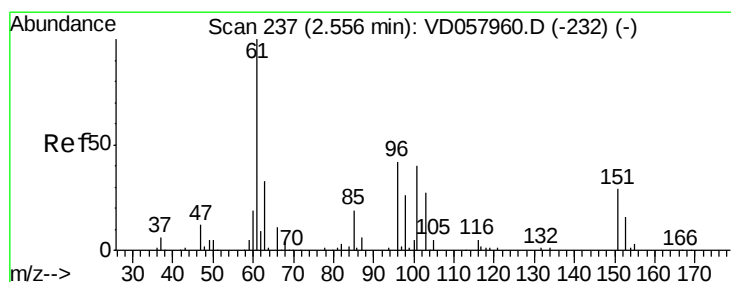
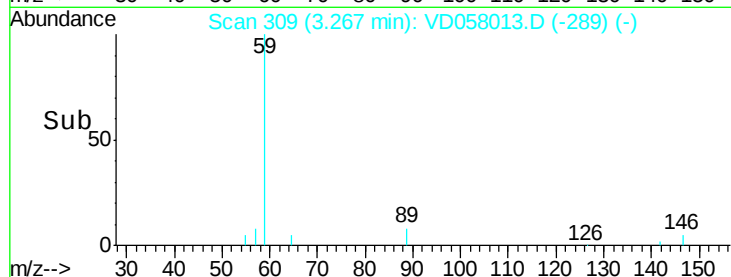
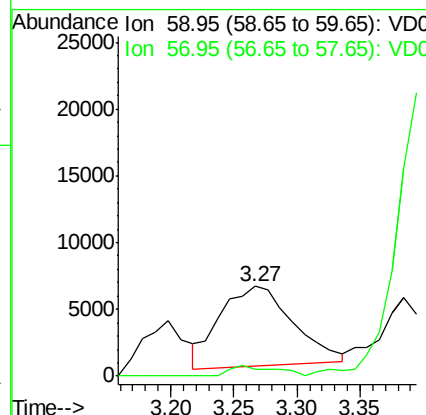
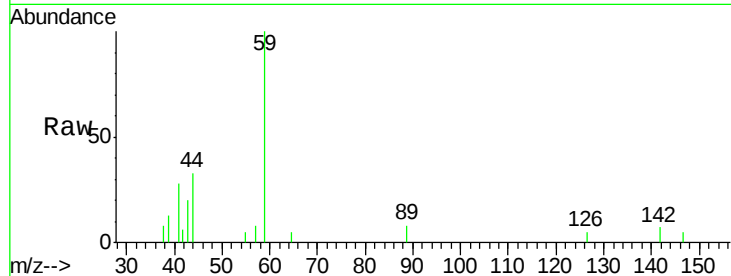


#11

Tert butyl alcohol
 Concen: 91.10 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

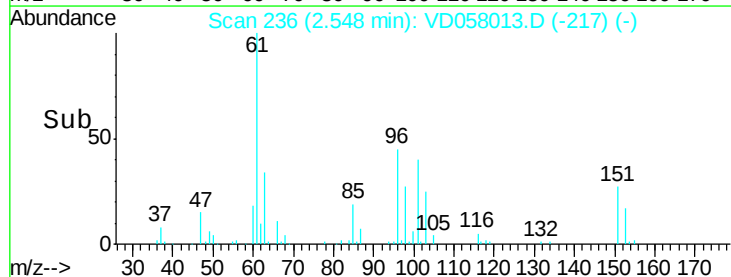
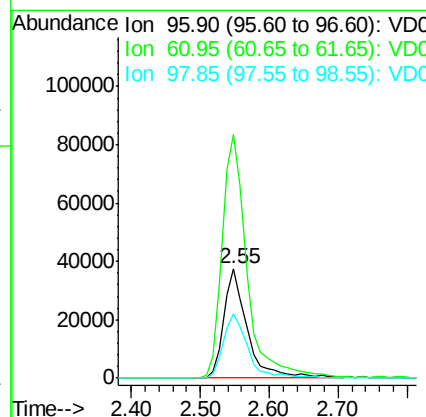
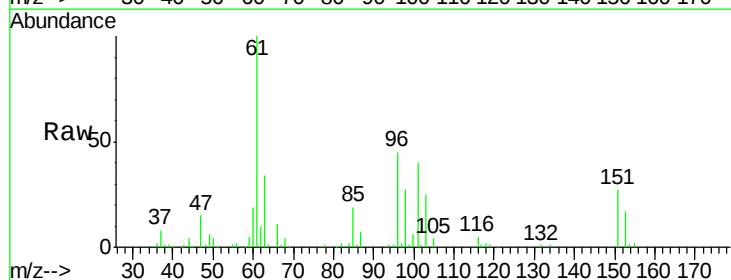
Tot Ion: 59 Resp: 24103
 Ion Ratio Lower Upper
 59 100
 57 7.9 7.8 11.6

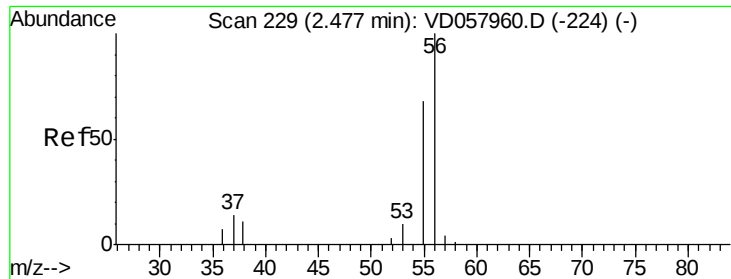


#12

1,1-Dichloroethene
 Concen: 22.57 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion: 96 Resp: 89409
 Ion Ratio Lower Upper
 96 100
 61 222.0 190.2 285.4
 98 59.0 49.6 74.4

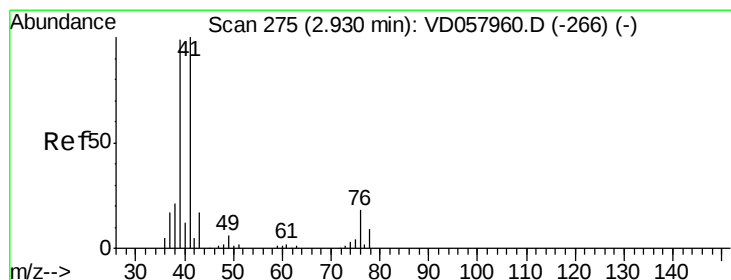
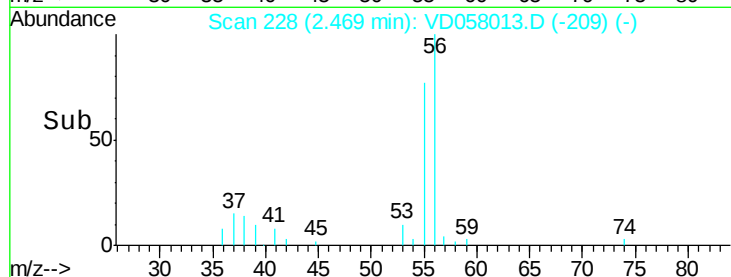
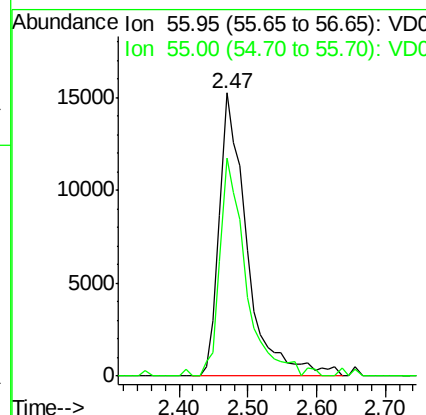
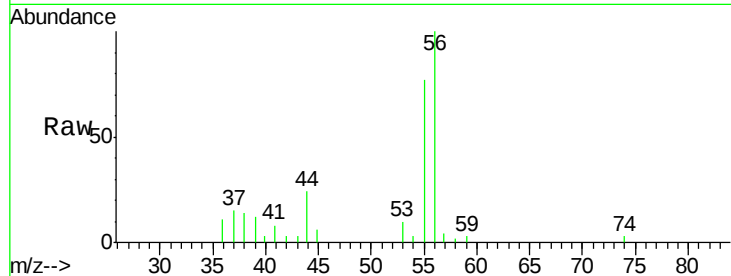




#13
 Acrolein
 Concen: 112.47 ug/l
 RT: 2.47 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

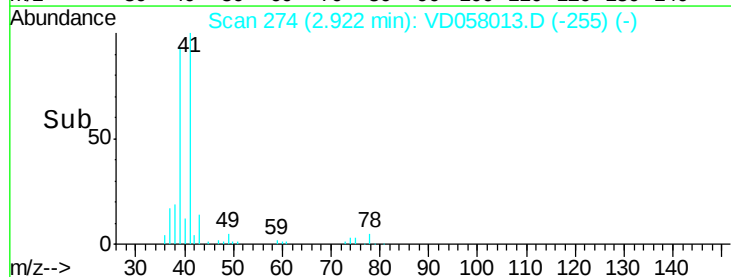
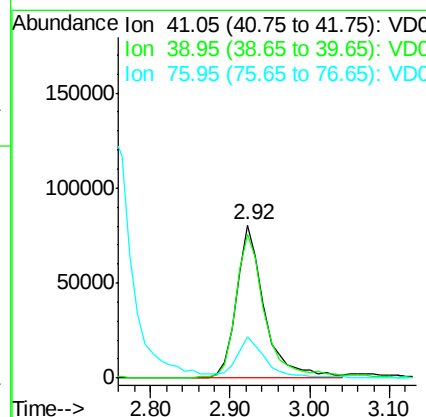
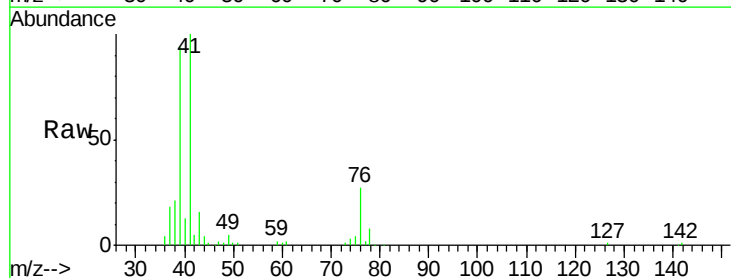
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

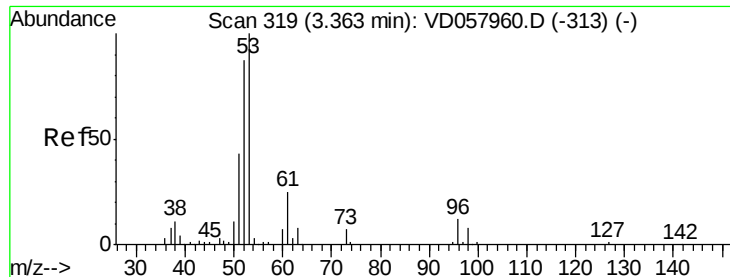
Tot Ion: 56 Resp: 42613
 Ion Ratio Lower Upper
 56 100
 55 76.9 54.0 81.0



#14
 Allyl chloride
 Concen: 21.73 ug/l
 RT: 2.92 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion: 41 Resp: 198634
 Ion Ratio Lower Upper
 41 100
 39 94.0 79.5 119.3
 76 26.6 20.7 31.1





#15

Acrylonitrile

Concen: 105.67 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

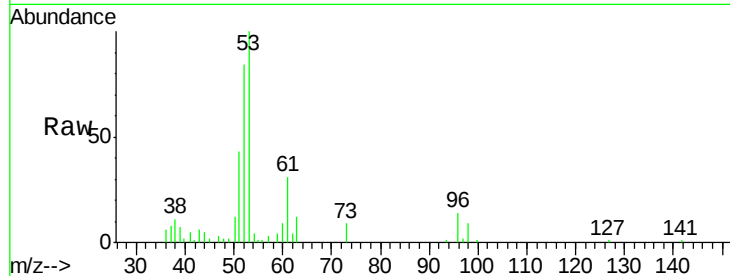
Tot Ion: 53 Resp: 163550

Ion Ratio Lower Upper

53 100

52 83.6 69.9 104.9

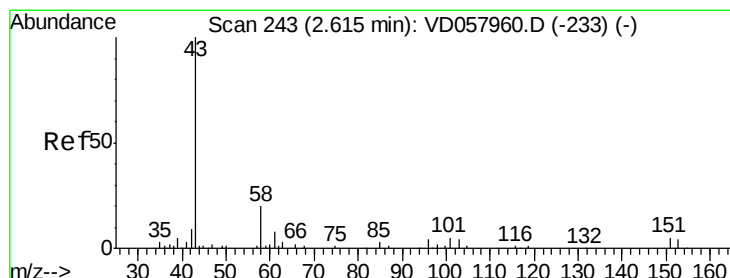
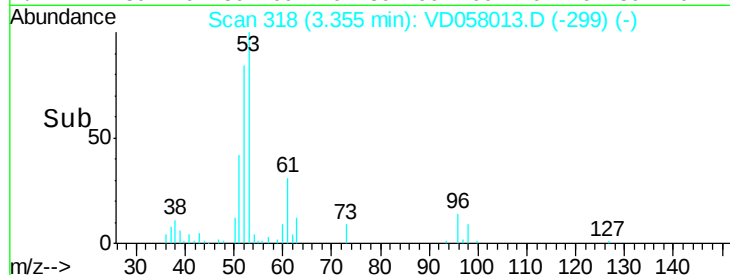
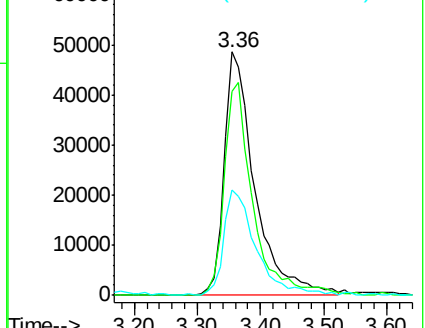
51 43.1 34.3 51.5



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: 105.06 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058013.D

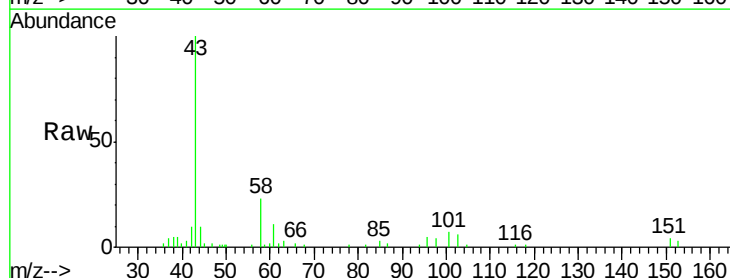
Acq: 8 Jun 2018 13:00

Tgt Ion: 43 Resp: 149491

Ion Ratio Lower Upper

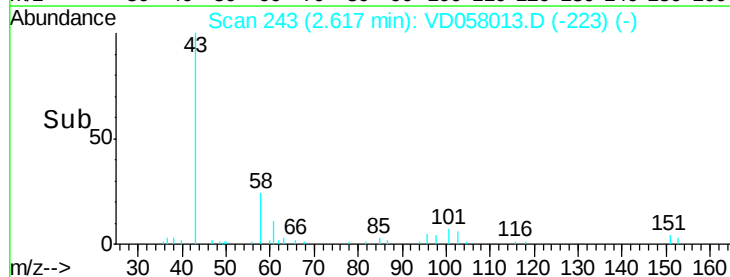
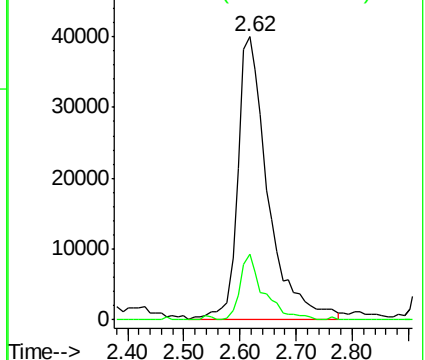
43 100

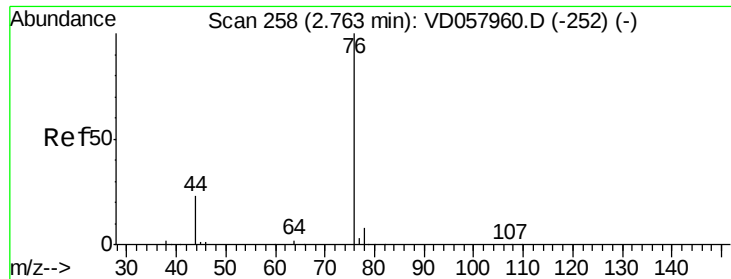
58 23.3 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

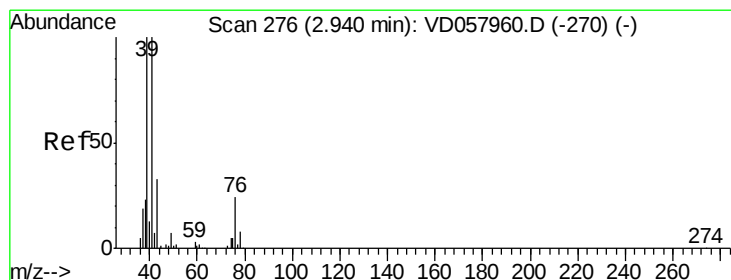
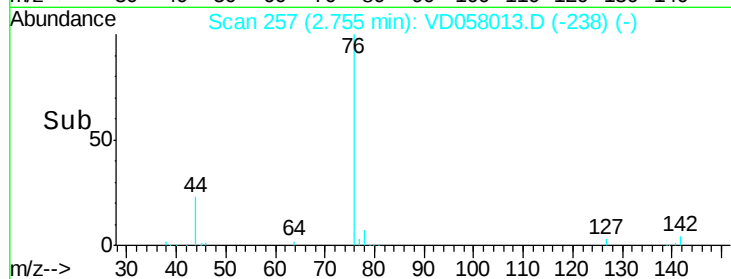
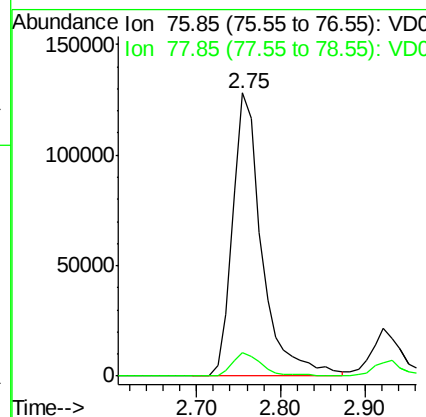
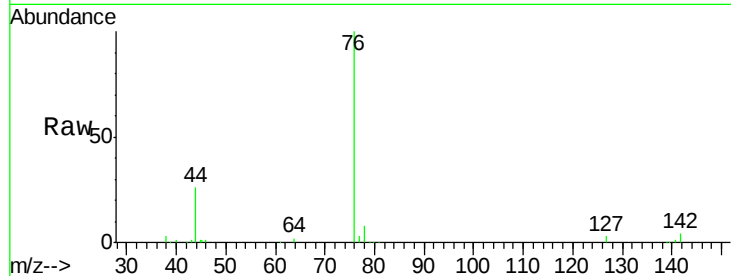




#17
Carbon Disulfide
Concen: 21.65 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

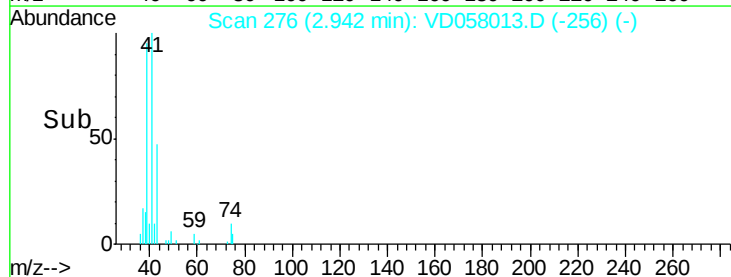
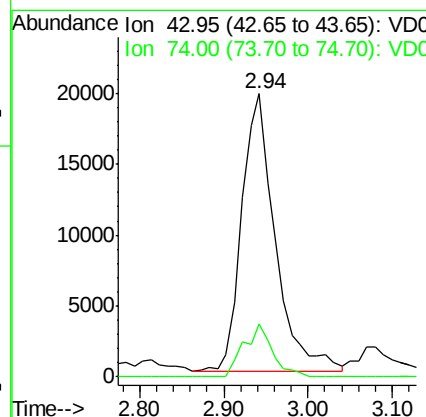
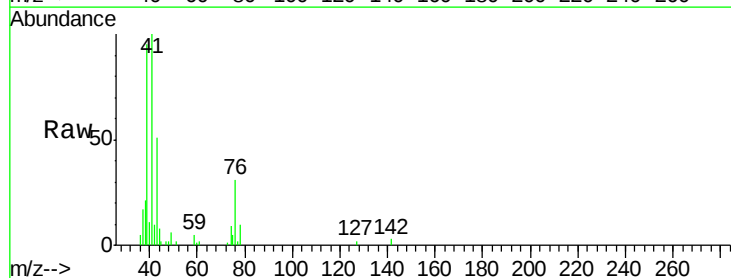
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

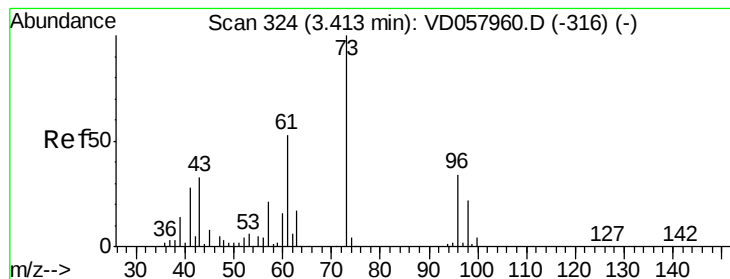
Tot Ion: 76 Resp: 310792
Ion Ratio Lower Upper
76 100
78 8.4 6.7 10.1



#18
Methyl Acetate
Concen: 19.76 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 43 Resp: 54388
Ion Ratio Lower Upper
43 100
74 18.6 11.2 16.8#



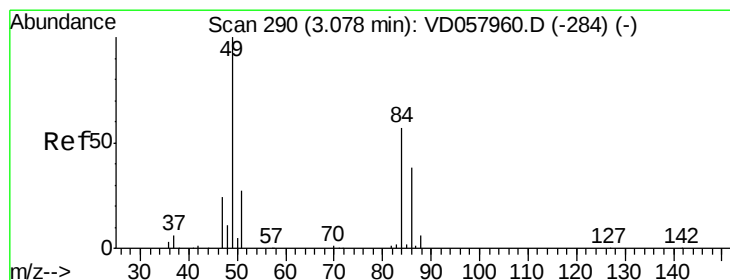
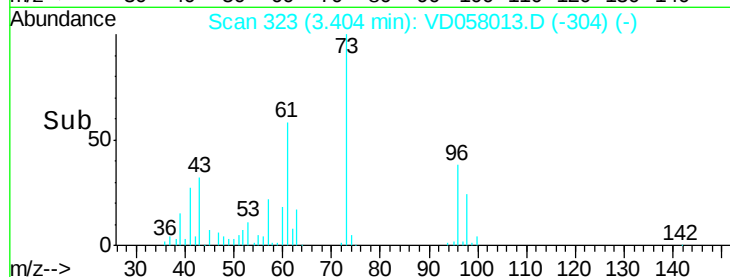
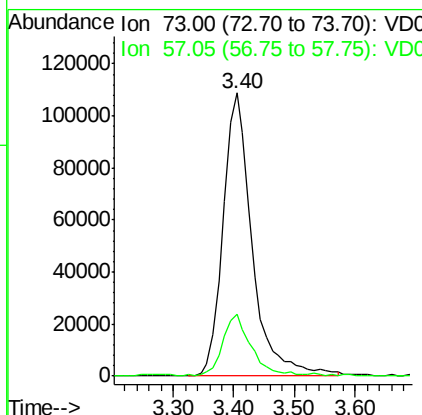
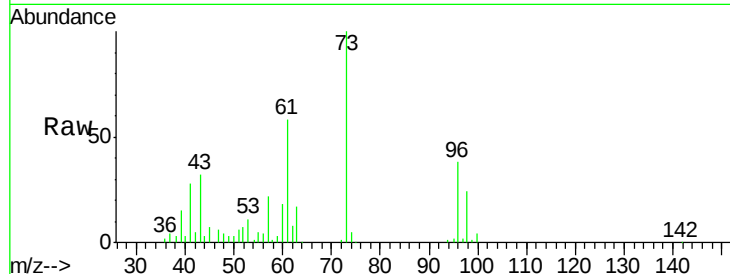


#19

Methyl tert-butyl Ether
 Concen: 20.83 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

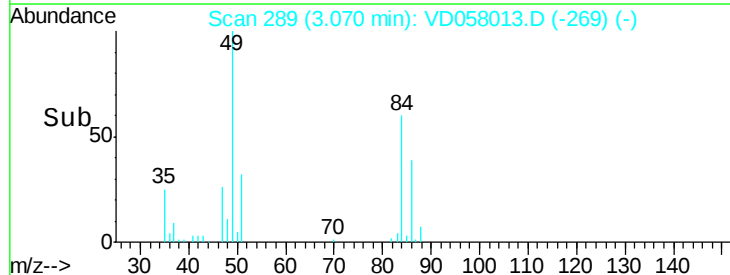
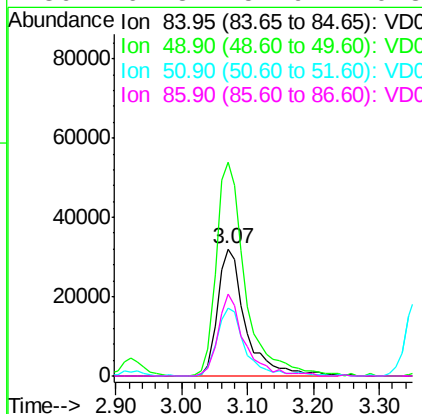
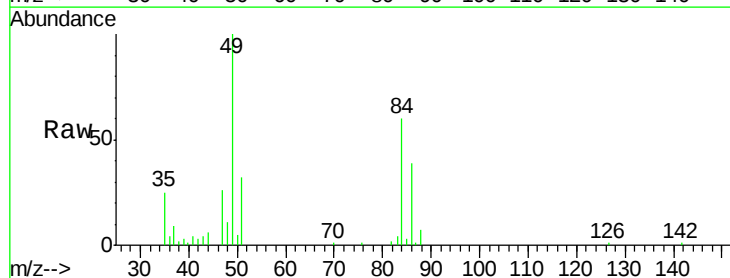
Tot Ion: 73 Resp: 363057
 Ion Ratio Lower Upper
 73 100
 57 21.7 16.7 25.1

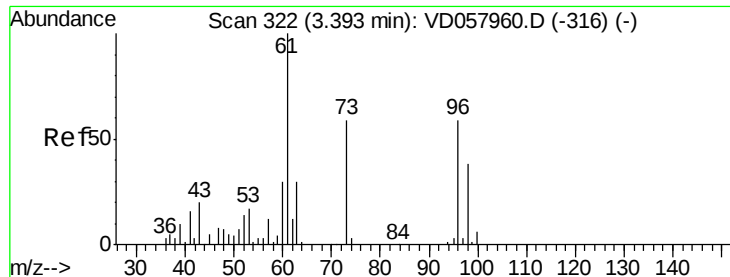


#20

Methylene Chloride
 Concen: 23.20 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion: 84 Resp: 95253
 Ion Ratio Lower Upper
 84 100
 49 167.9 141.4 212.0
 51 53.1 38.3 57.5
 86 64.8 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 21.82 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

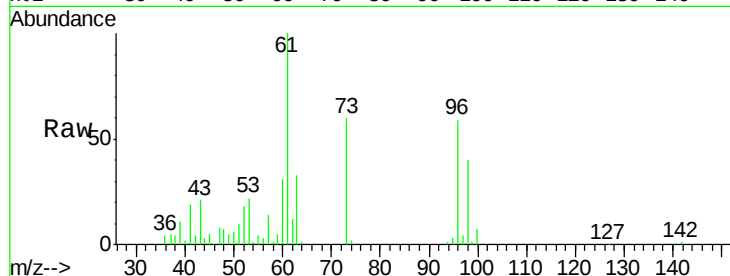
Tot Ion: 96 Resp: 192524

Ion Ratio Lower Upper

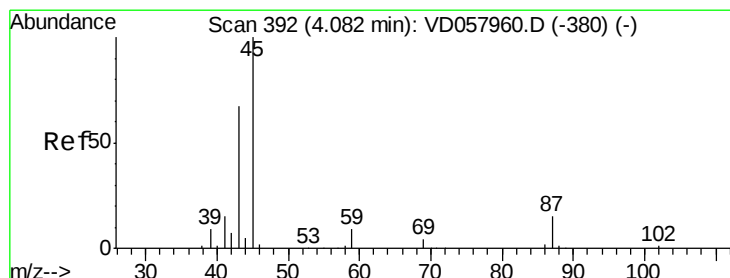
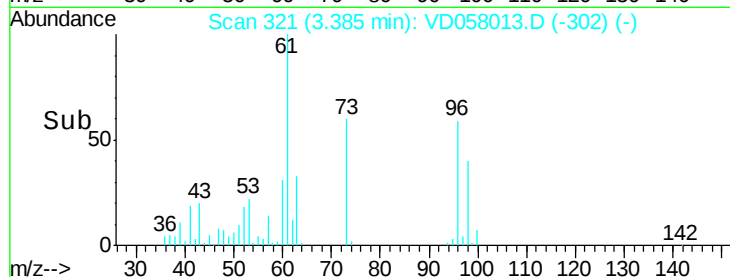
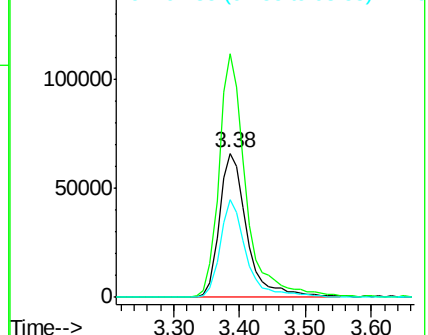
96 100

61 168.7 135.2 202.8

98 68.0 51.7 77.5



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



#22

Diisopropyl ether

Concen: 20.80 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Tgt Ion: 45 Resp: 753156

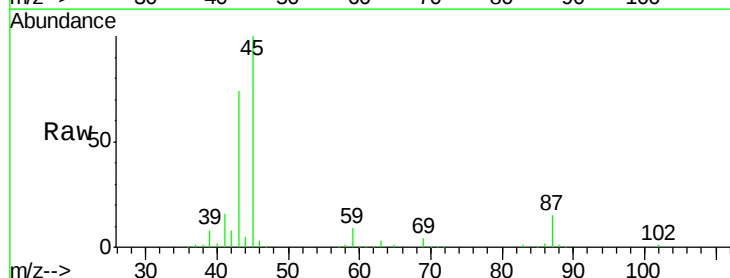
Ion Ratio Lower Upper

45 100

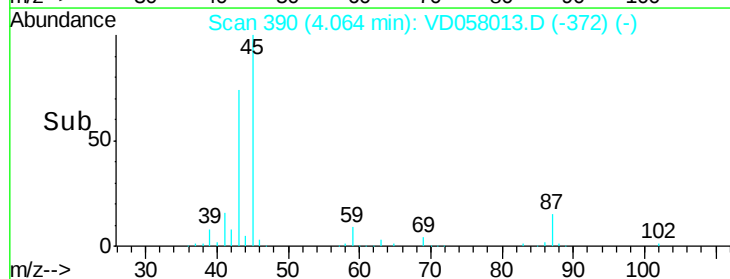
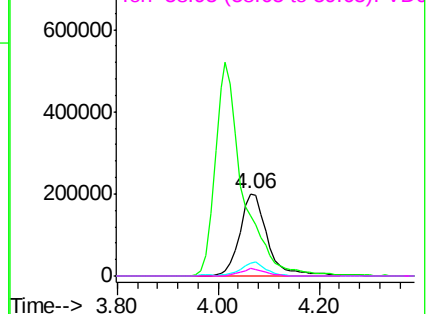
43 73.6 53.8 80.8

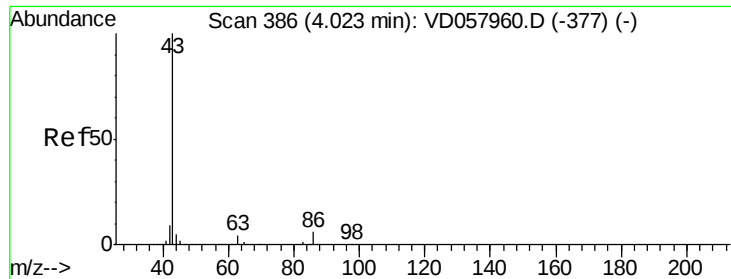
87 15.3 12.5 18.7

59 9.1 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: 105.41 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

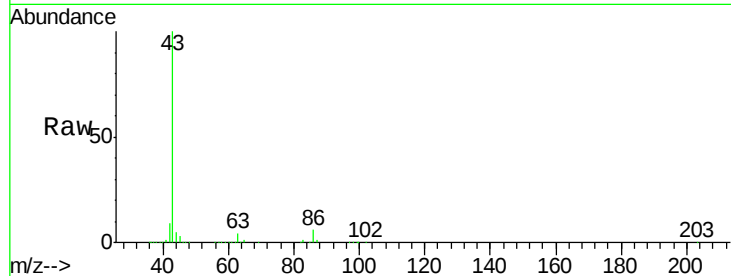
VD0608SBS01

Tot Ion: 43 Resp: 1971931

Ion Ratio Lower Upper

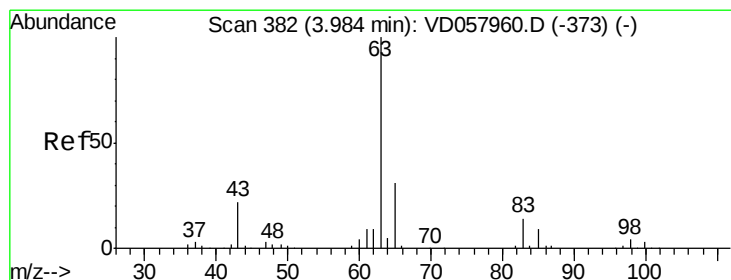
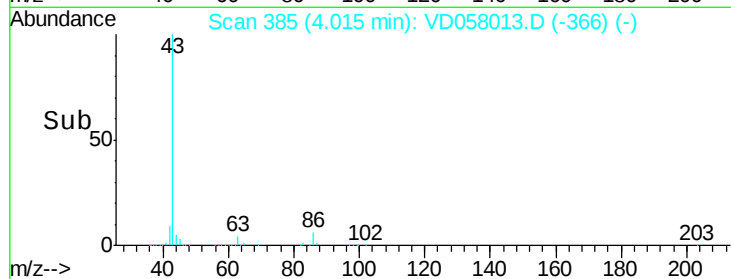
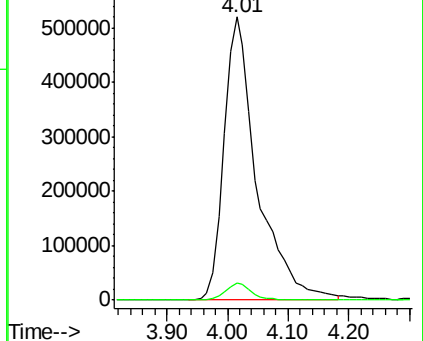
43 100

86 6.0 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.95 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

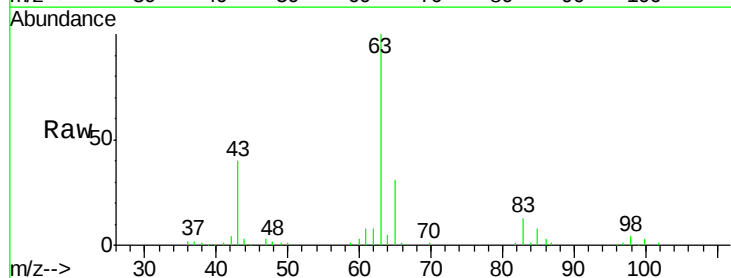
Tgt Ion: 63 Resp: 416929

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

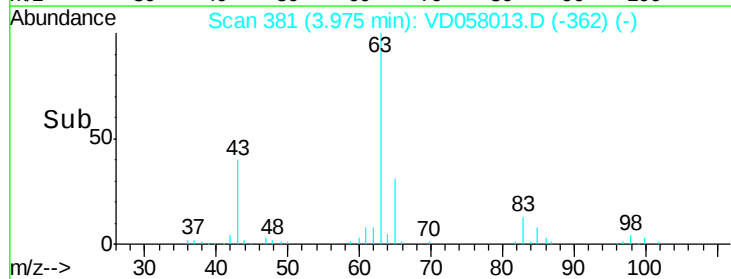
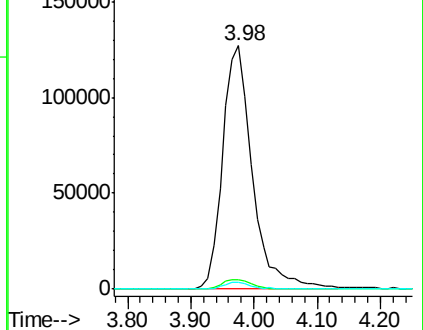
100 2.9 1.4 4.2

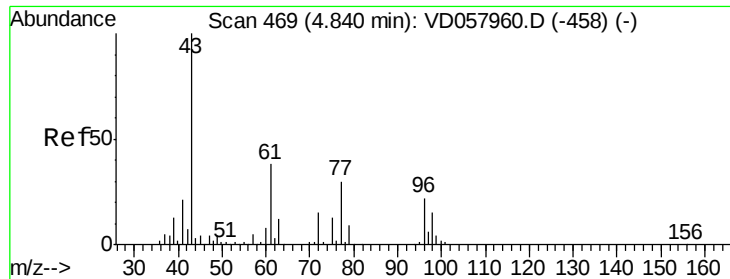


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 99.54 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

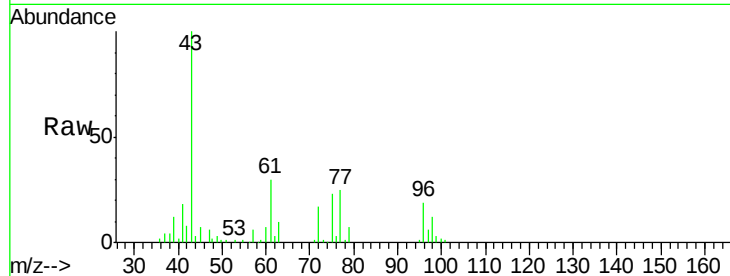
VD0608SBS01

Tot Ion: 43 Resp: 321872

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

120000

100000

80000

60000

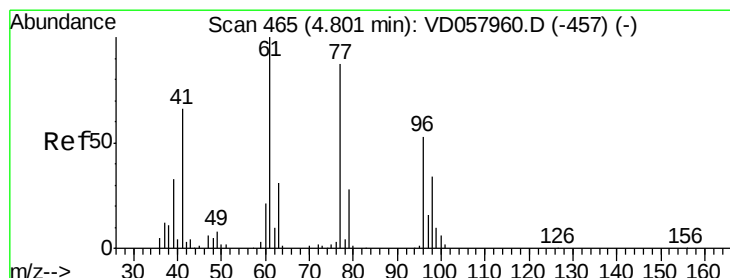
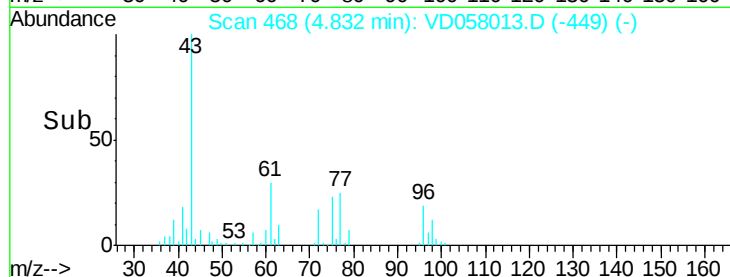
40000

20000

0

4.70 4.80 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 20.72 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058013.D

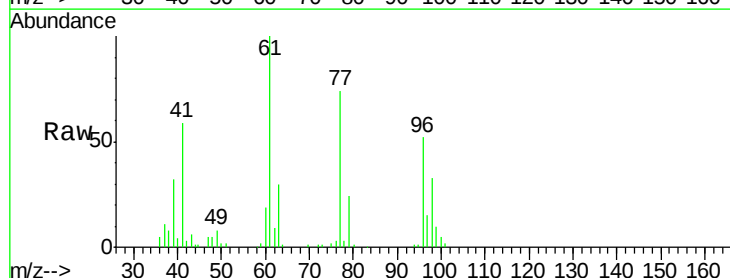
Acq: 8 Jun 2018 13:00

Tgt Ion: 77 Resp: 339668

Ion Ratio Lower Upper

77 100

97 20.9 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

100000

80000

60000

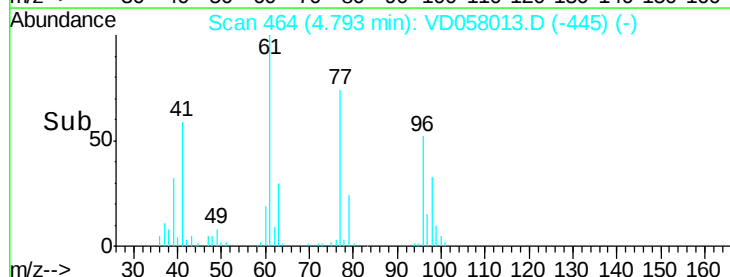
40000

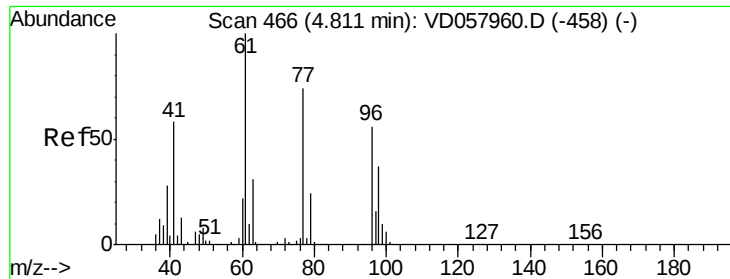
20000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.08 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

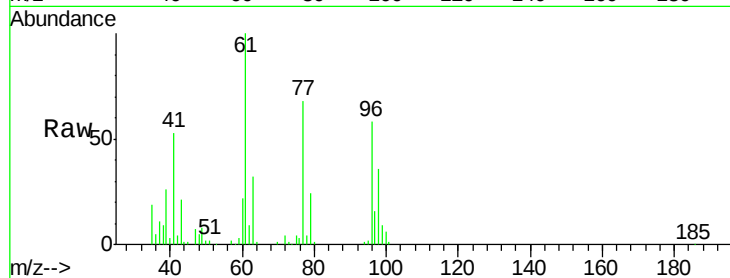
Tot Ion: 96 Resp: 220660

Ion Ratio Lower Upper

96 100

61 172.1 0.0 355.0

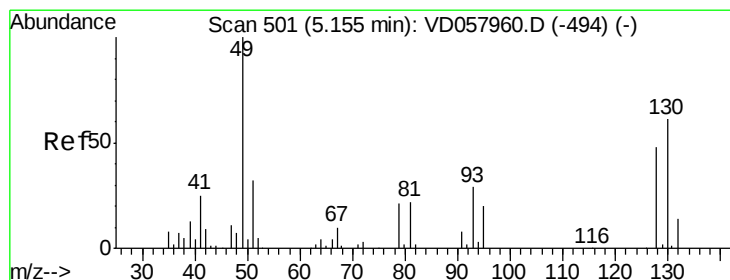
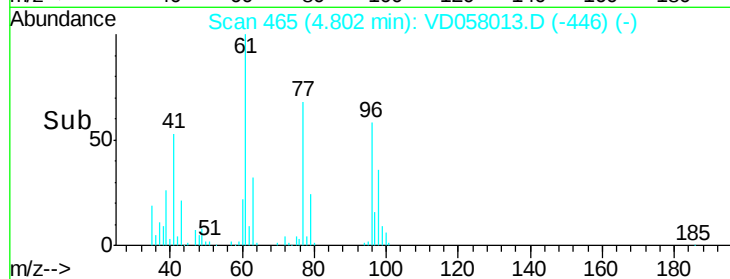
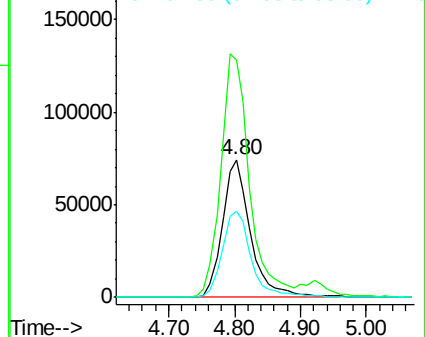
98 62.6 0.0 129.6



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: 21.29 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

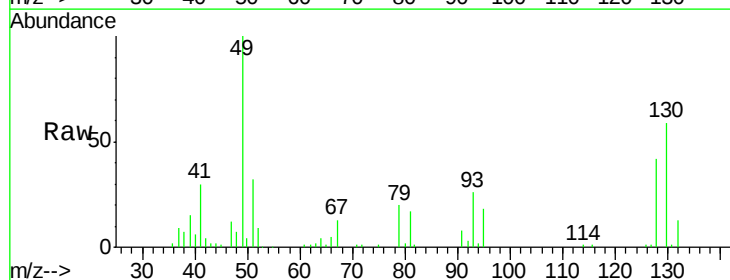
Tgt Ion: 49 Resp: 183353

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

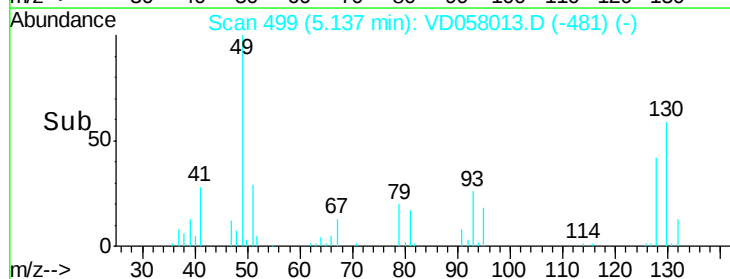
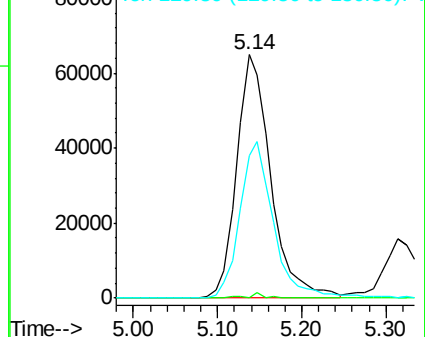
130 58.7 48.8 73.2

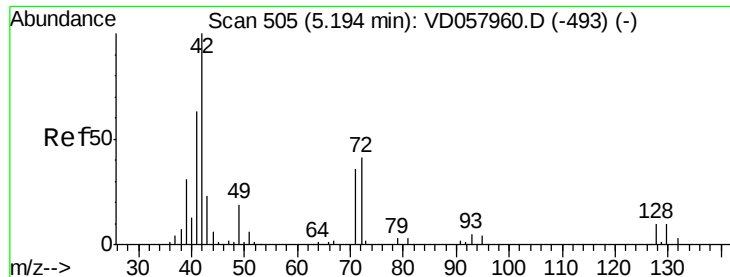


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

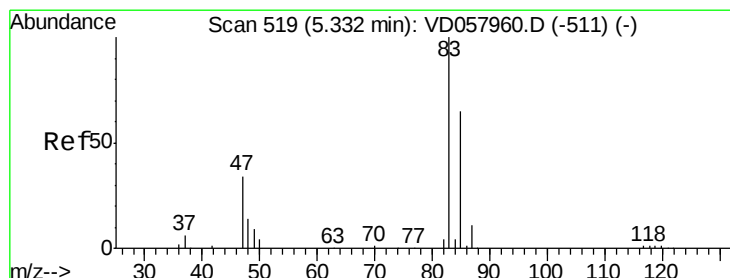
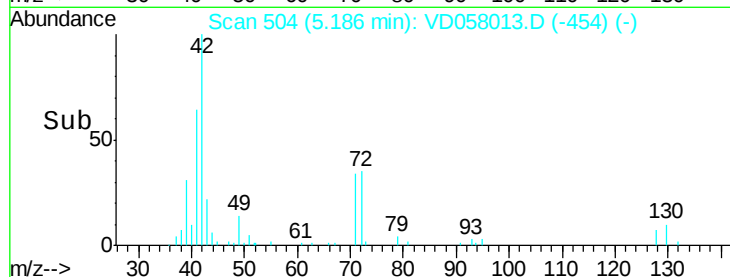
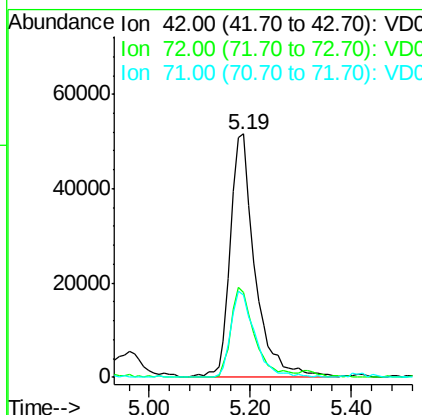
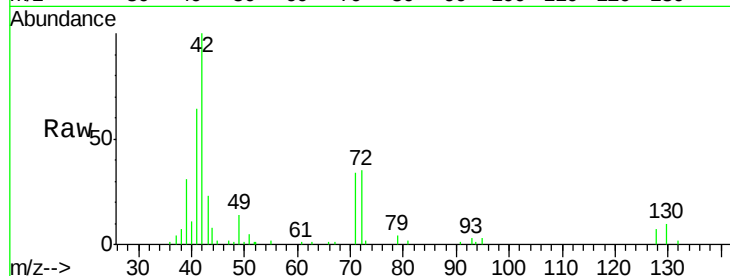




#29
Tetrahydrofuran
Concen: 102.56 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

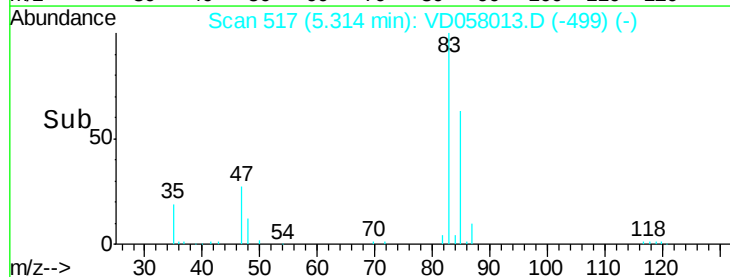
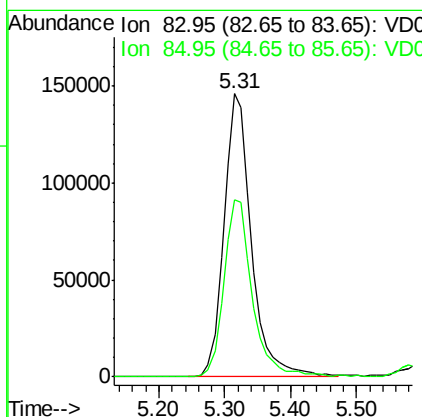
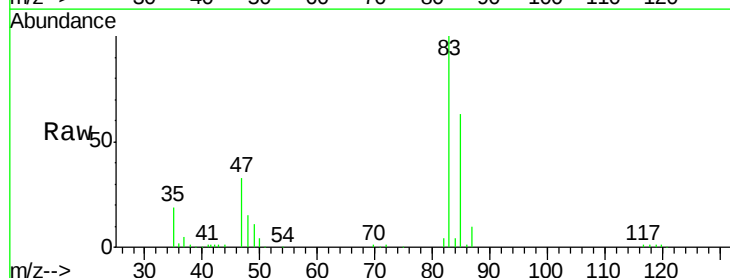
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

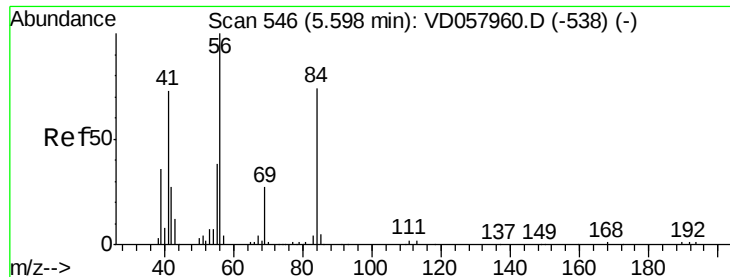
Tot Ion: 42 Resp: 173856
Ion Ratio Lower Upper
42 100
72 35.3 28.5 42.7
71 34.4 27.9 41.9



#30
Chloroform
Concen: 21.16 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 83 Resp: 423710
Ion Ratio Lower Upper
83 100
85 62.6 51.6 77.4

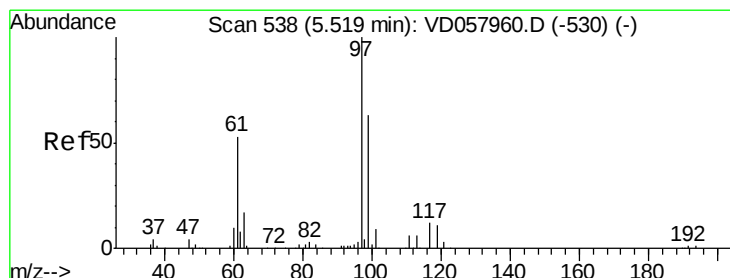
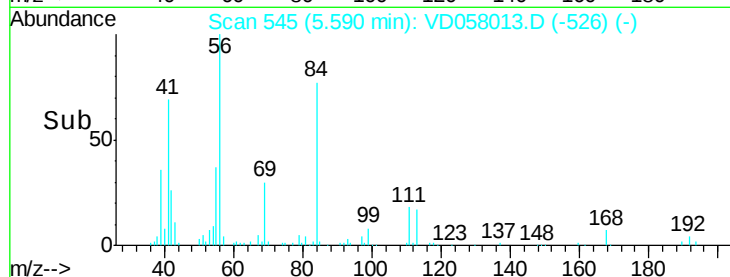
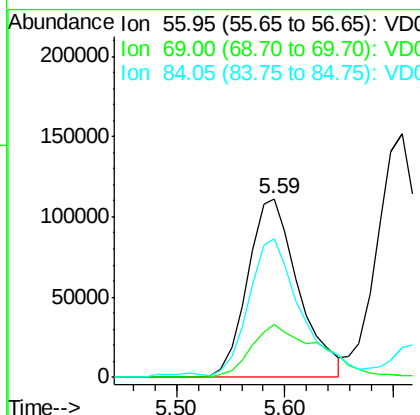
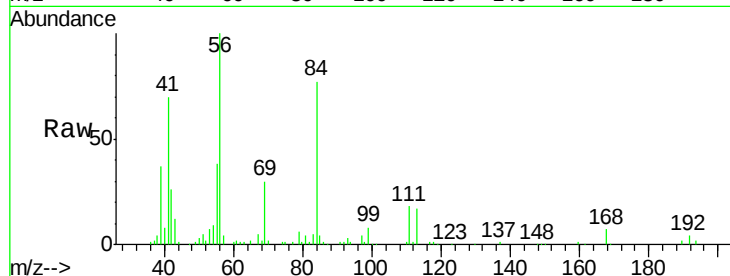




#31
Cyclohexane
Concen: 21.19 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

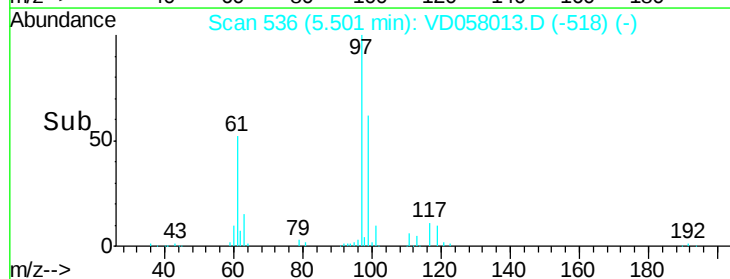
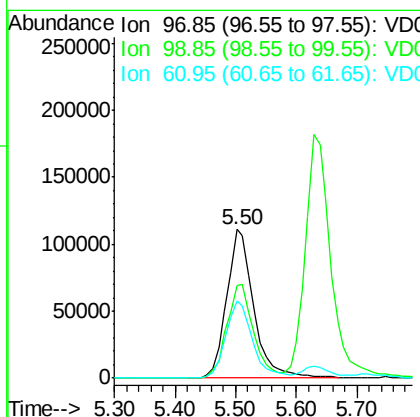
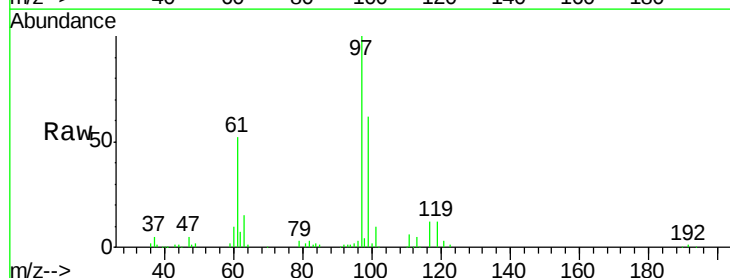
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

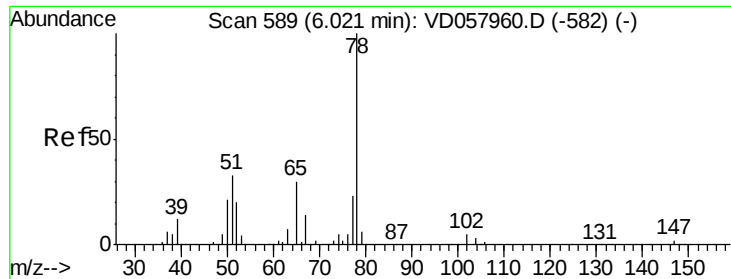
Tot Ion	56	Resp	363894
Ion	Ratio	Lower	Upper
56	100		
69	29.8	21.5	32.3
84	77.5	61.0	91.6



#32
1,1,1-Trichloroethane
Concen: 20.62 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion	97	Resp	345712
Ion	Ratio	Lower	Upper
97	100		
99	62.1	50.1	75.1
61	52.1	42.2	63.4





#33

1,2-Dichloroethane-d4

Concen: 20.62 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

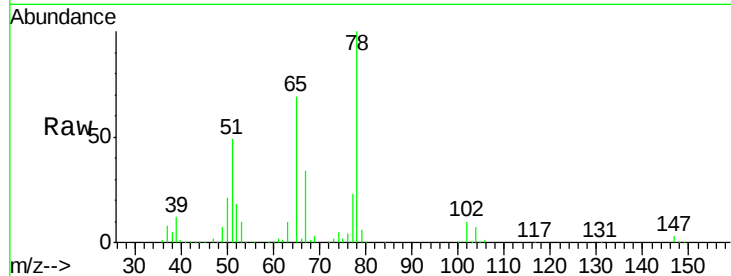
VD0608SBS01

Tot Ion: 65 Resp: 458524

Ion Ratio Lower Upper

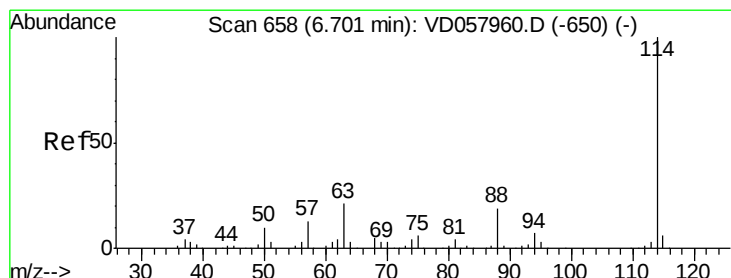
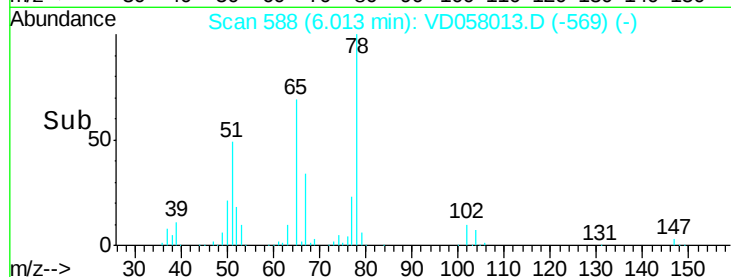
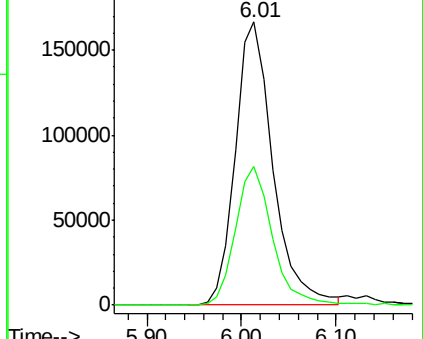
65 100

67 49.0 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: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

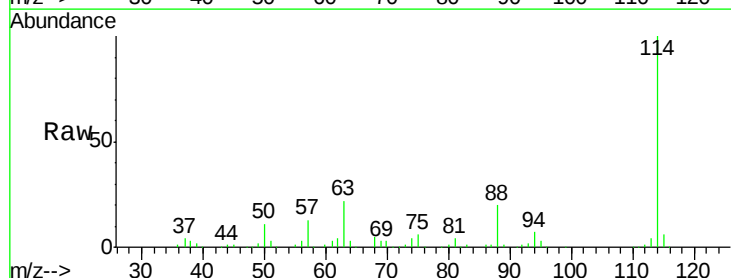
Tgt Ion: 114 Resp: 1271185

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.8

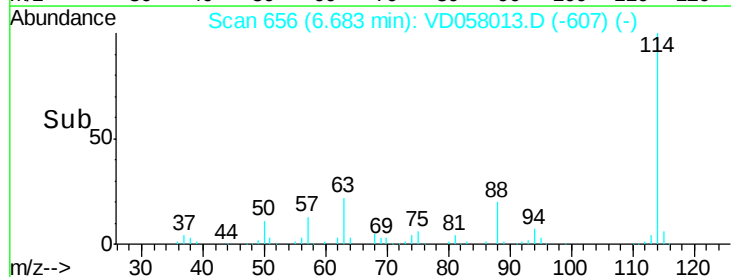
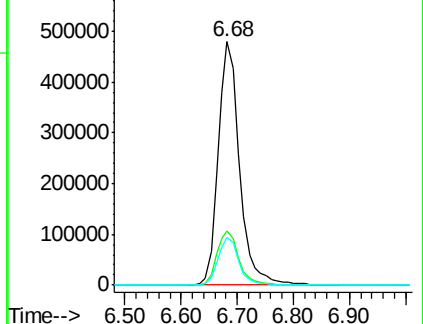
88 19.7 0.0 37.8

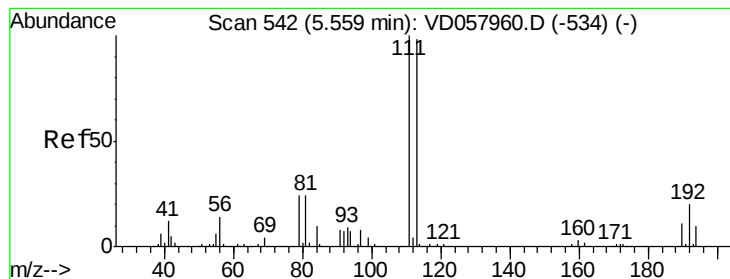


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

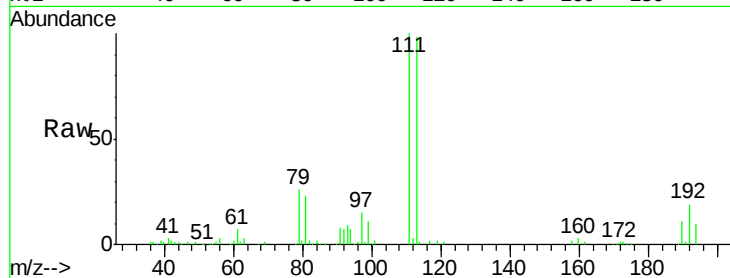
Tot Ion:113 Resp: 489271

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

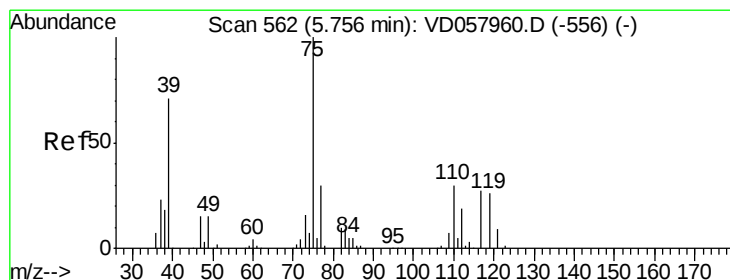
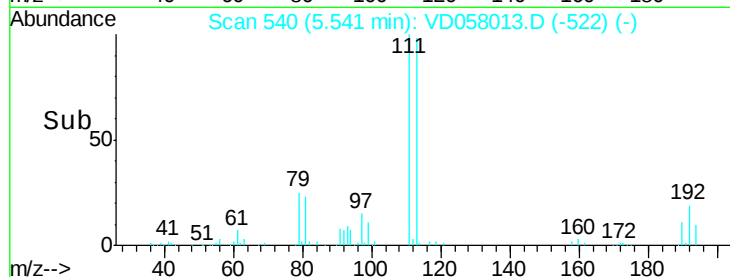
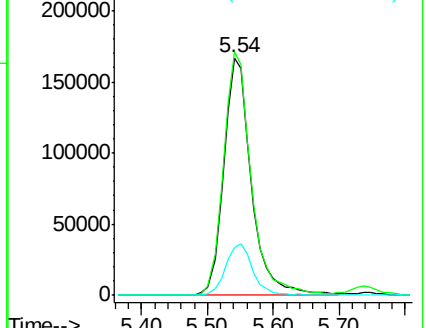
192 20.0 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.96 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

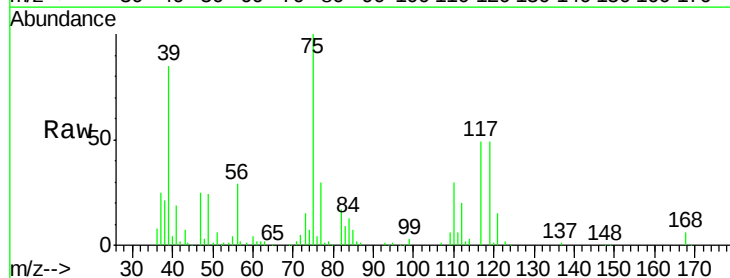
Tgt Ion: 75 Resp: 307586

Ion Ratio Lower Upper

75 100

110 30.3 14.8 44.3

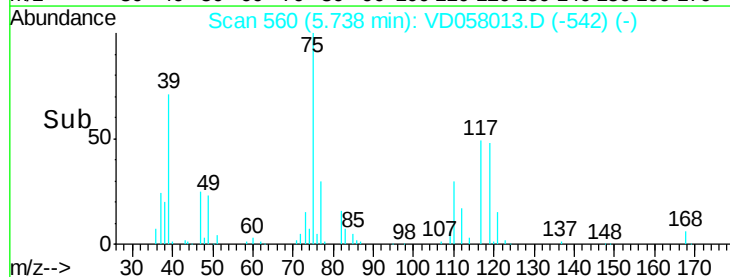
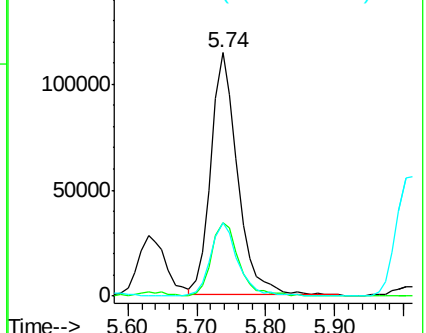
77 30.3 23.9 35.9

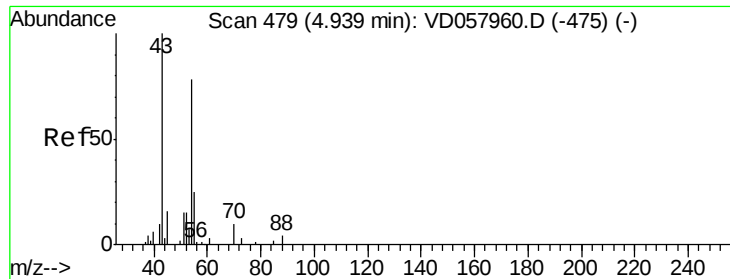


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

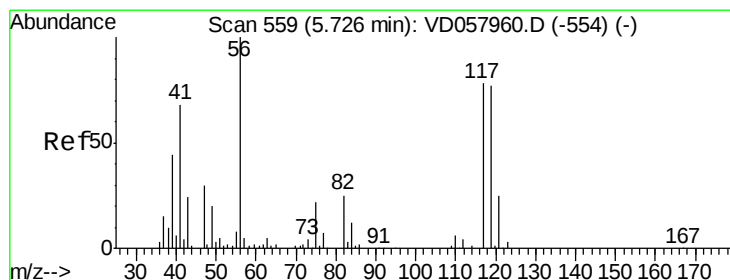
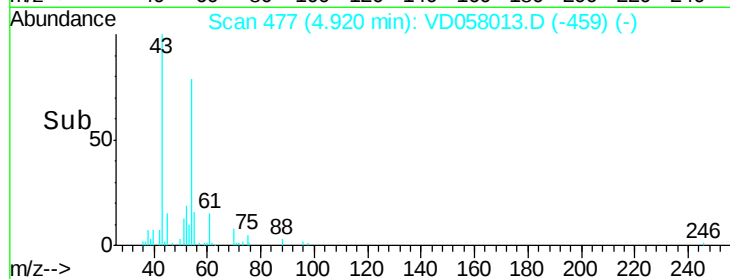
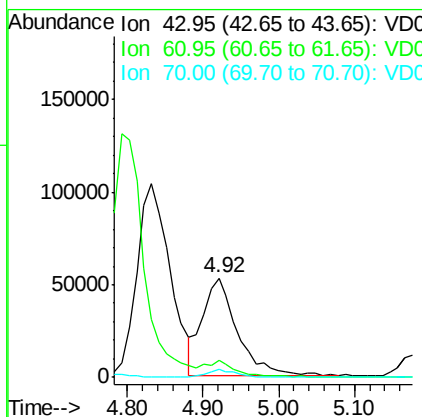
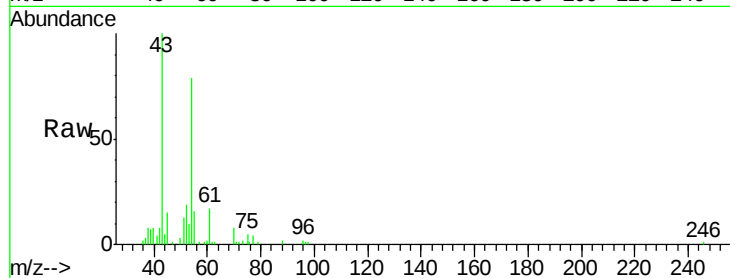




#37
Ethyl Acetate
Concen: 22.16 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

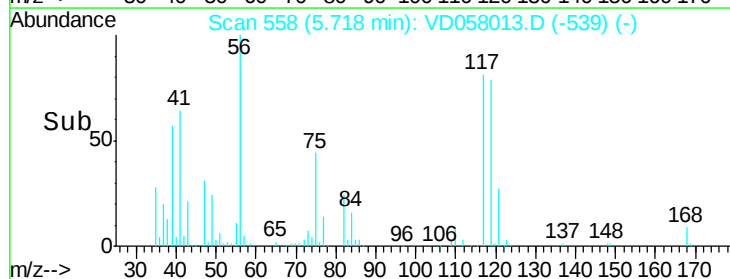
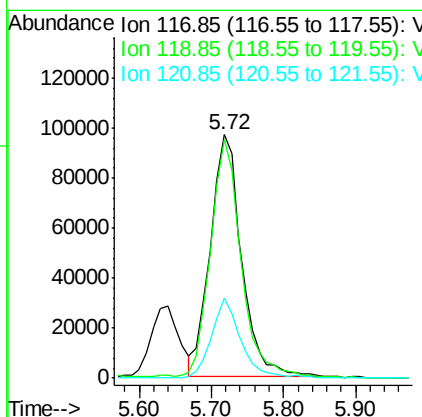
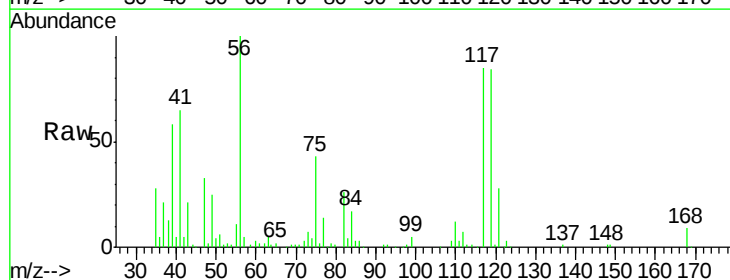
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

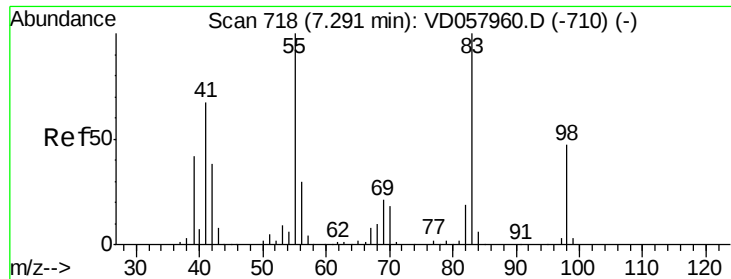
Tot Ion: 43 Resp: 169358
Ion Ratio Lower Upper
43 100
61 16.7 9.9 14.9#
70 7.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 21.16 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 117 Resp: 292087
Ion Ratio Lower Upper
117 100
119 97.8 76.1 114.1
121 32.7 24.9 37.3

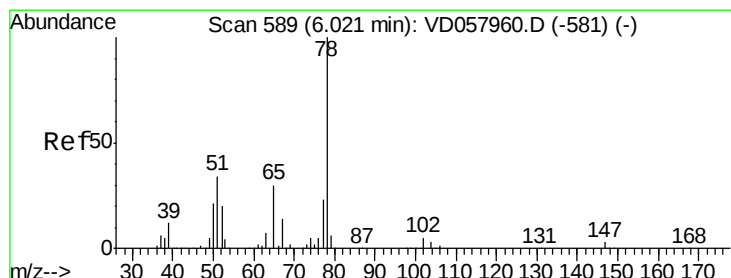
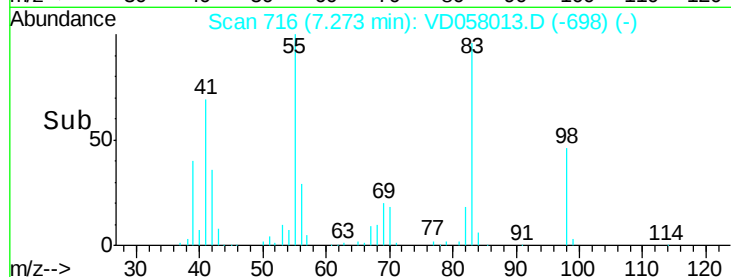
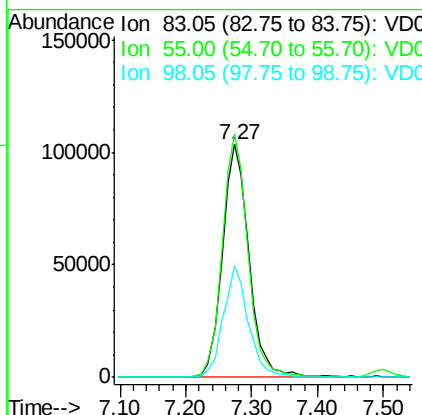
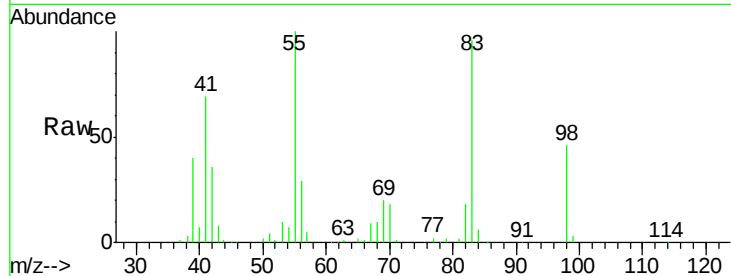




#39
Methylcyclohexane
Concen: 21.04 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

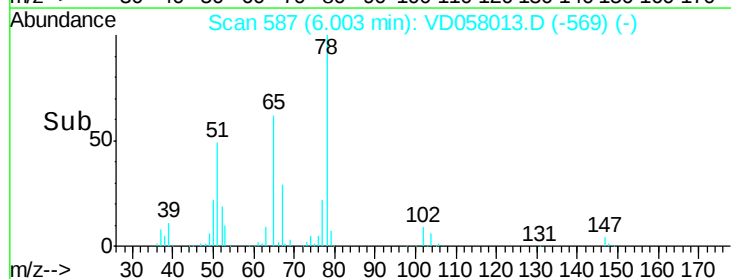
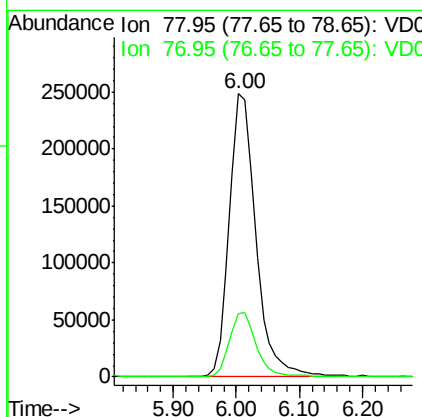
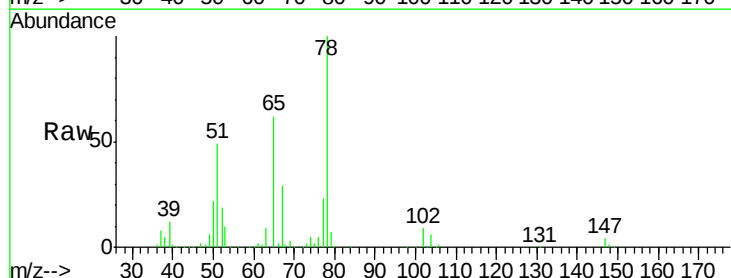
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

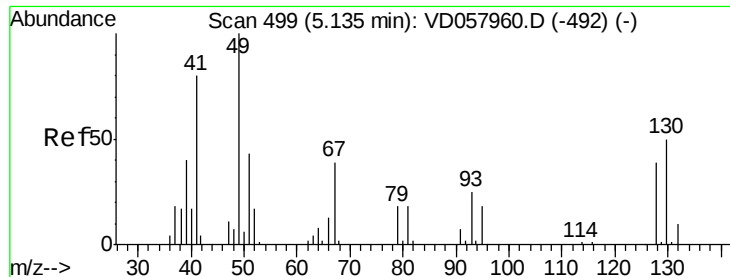
Tot Ion: 83 Resp: 292090
Ion Ratio Lower Upper
83 100
55 104.4 80.3 120.5
98 47.8 38.0 57.0



#40
Benzene
Concen: 22.20 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 78 Resp: 726180
Ion Ratio Lower Upper
78 100
77 22.5 18.1 27.1





#41

Methacrylonitrile

Concen: 22.83 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 41 Resp: 79789

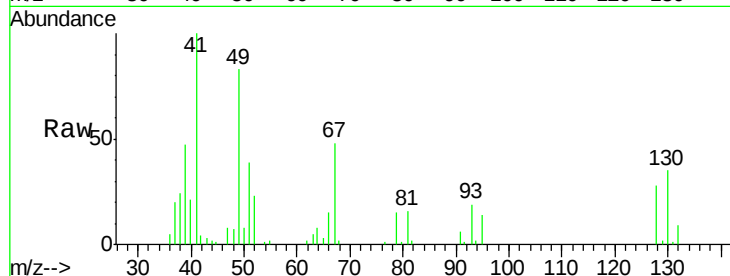
Ion Ratio Lower Upper

41 100

39 47.2 40.7 61.1

67 47.5 38.8 58.2

52 23.4 17.3 25.9

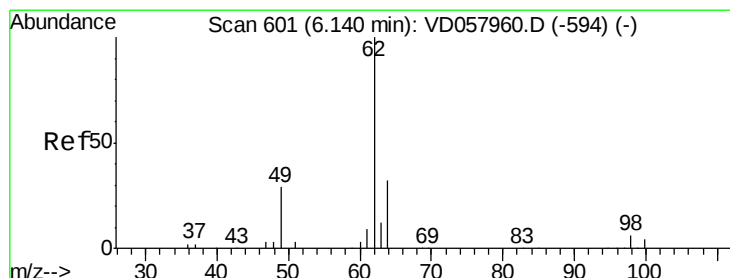
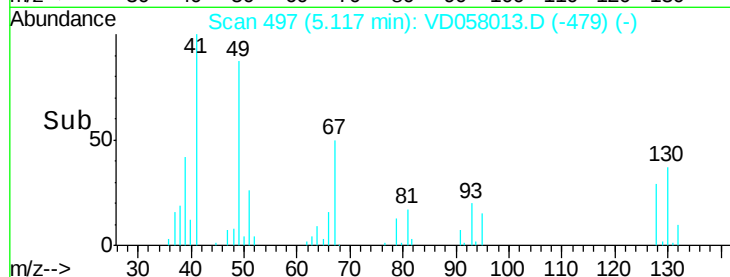
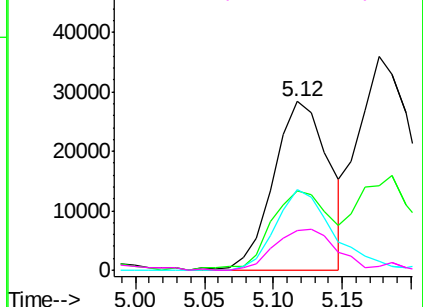


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.53 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD058013.D

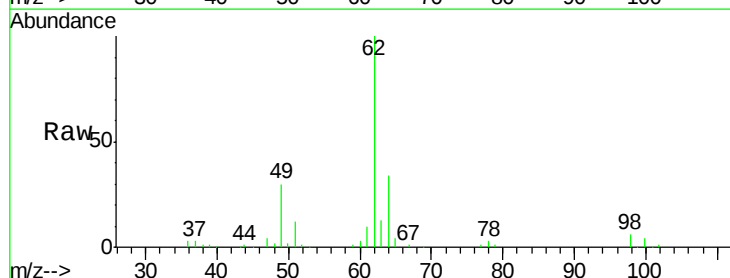
Acq: 8 Jun 2018 13:00

Tgt Ion: 62 Resp: 284820

Ion Ratio Lower Upper

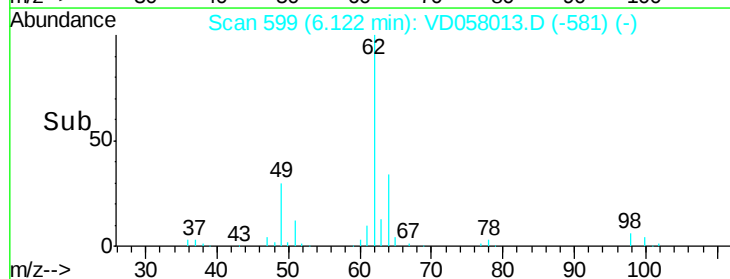
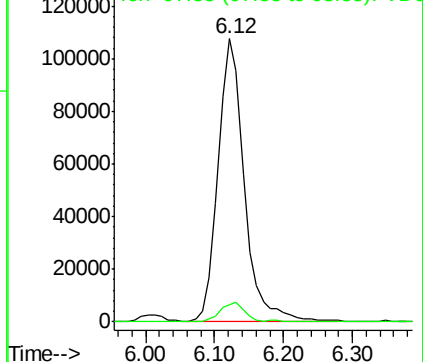
62 100

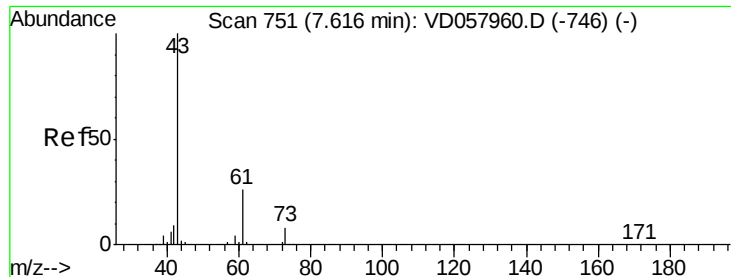
98 6.2 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



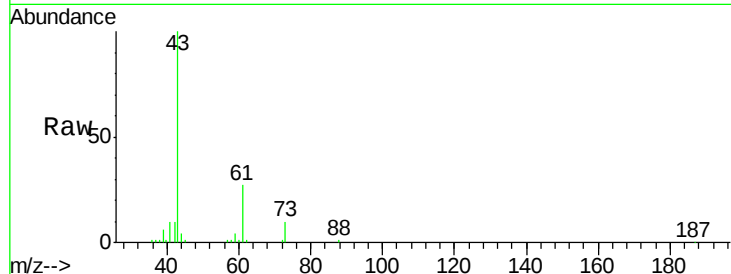


#43

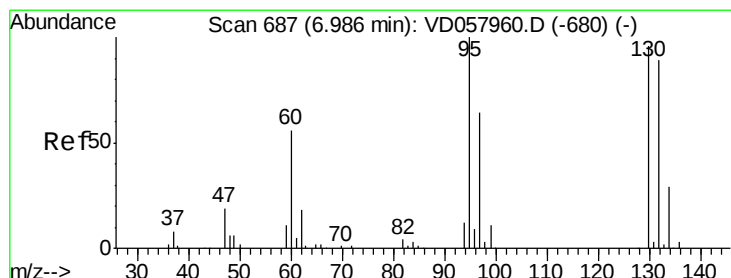
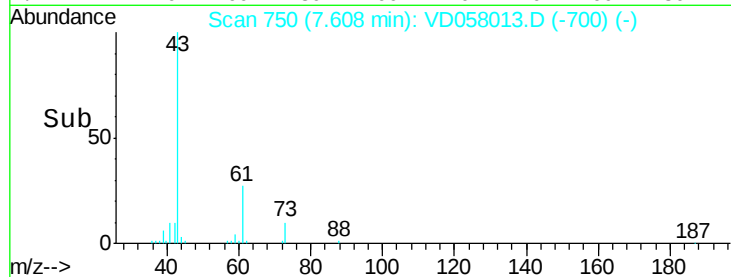
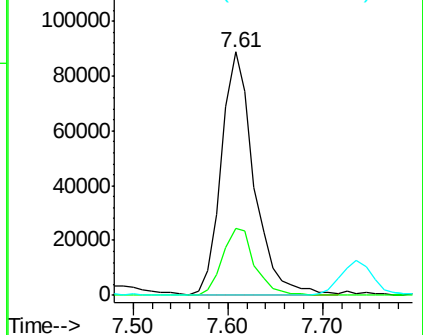
Isopropyl Acetate
 Concen: 21.38 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion: 43 Resp: 213978
 Ion Ratio Lower Upper
 43 100
 61 27.4 20.6 30.8
 87 0.0 0.2 0.4#



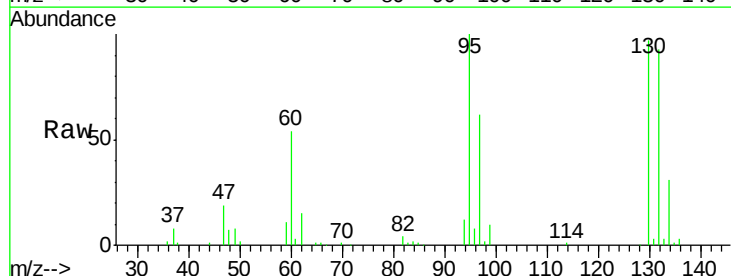
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



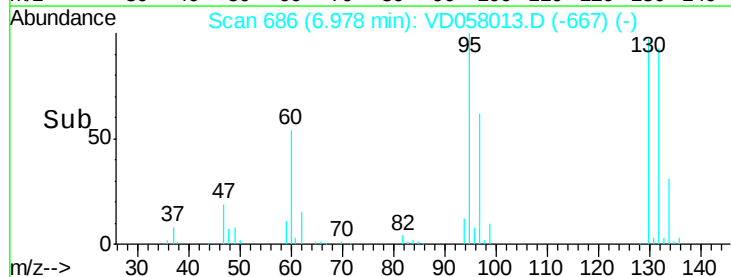
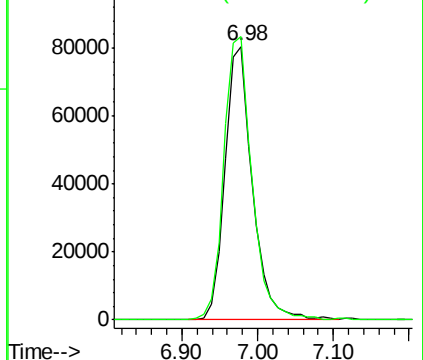
#44

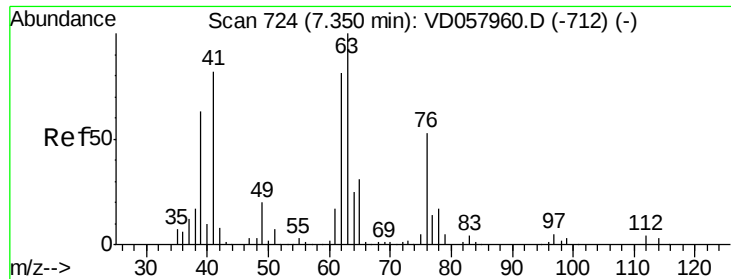
Trichloroethene
 Concen: 21.07 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion:130 Resp: 201358
 Ion Ratio Lower Upper
 130 100
 95 103.6 0.0 207.4



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

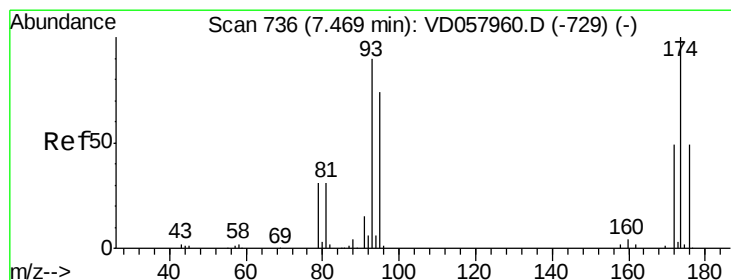
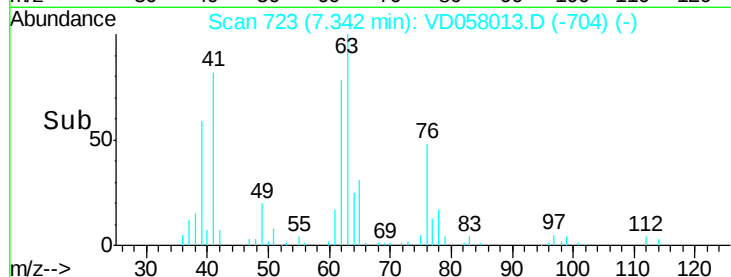
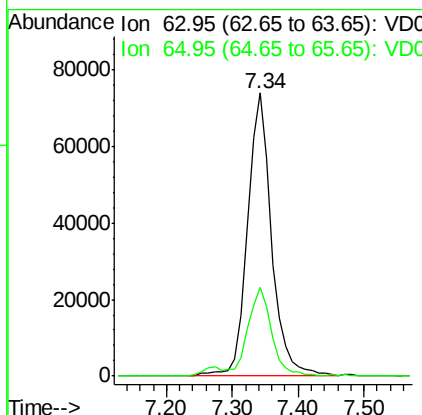
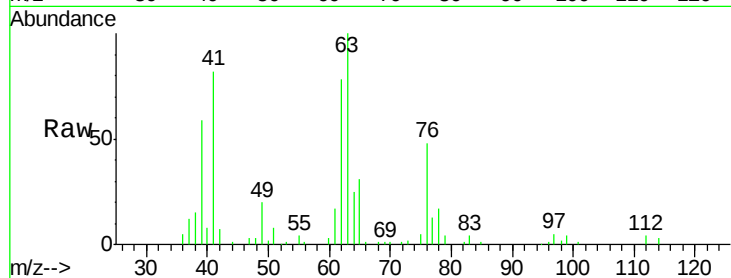




#45
 1,2-Dichloropropane
 Concen: 20.90 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

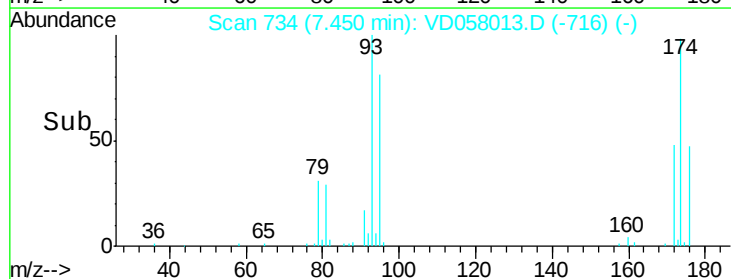
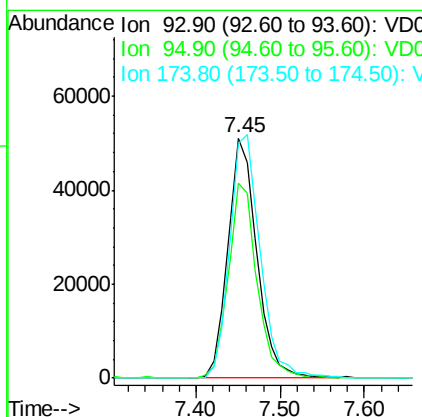
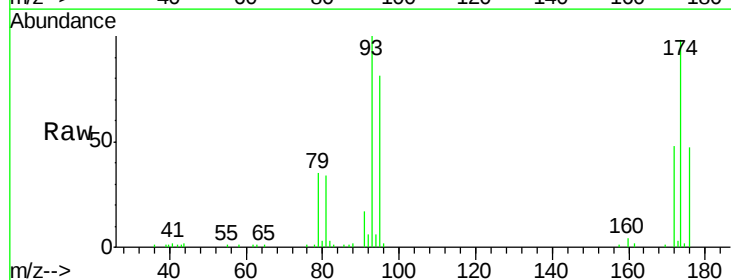
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

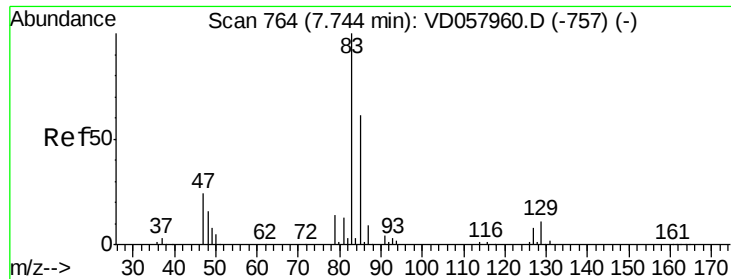
Tot Ion: 63 Resp: 190073
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3



#46
 Dibromomethane
 Concen: 20.96 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion: 93 Resp: 122414
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.7 98.5
 174 97.7 89.0 133.4





#47

Bromodichloromethane

Concen: 21.25 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

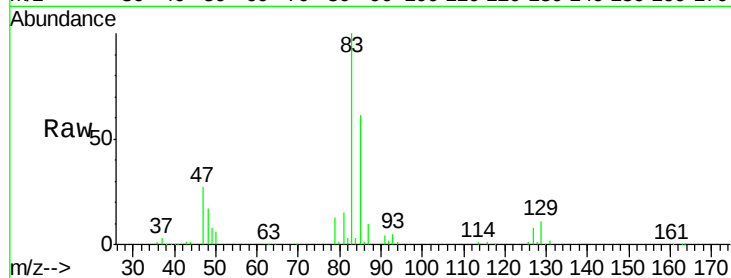
Tot Ion: 83 Resp: 290604

Ion Ratio Lower Upper

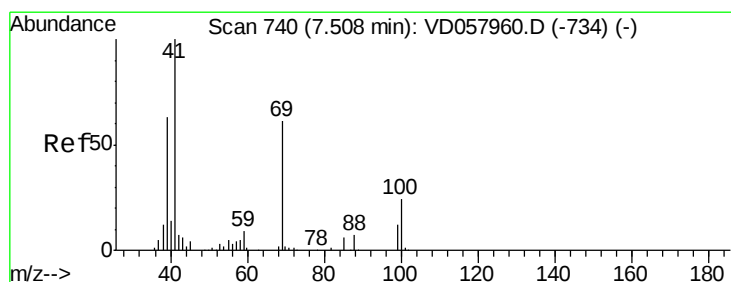
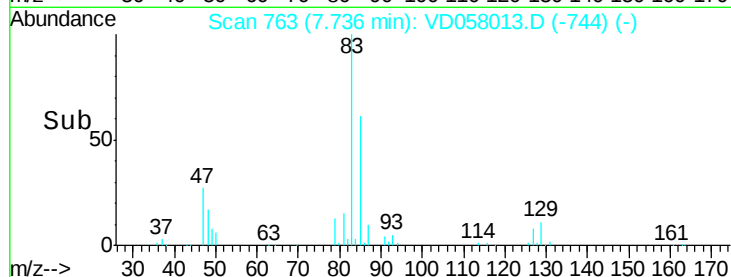
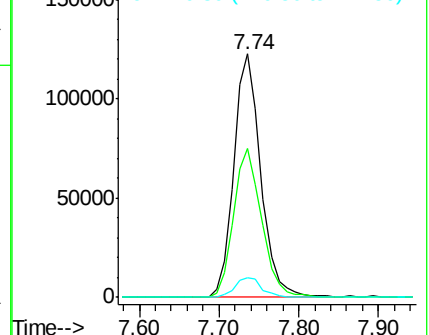
83 100

85 61.2 49.1 73.7

127 8.1 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: 19.97 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

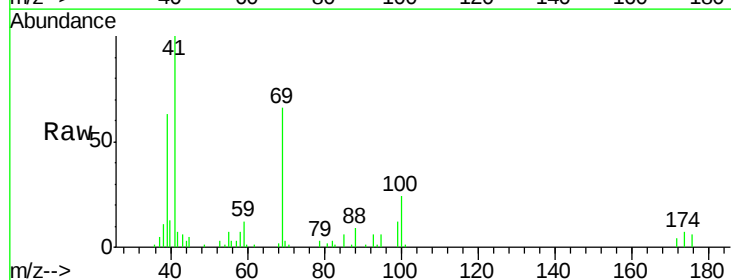
Tgt Ion: 41 Resp: 123024

Ion Ratio Lower Upper

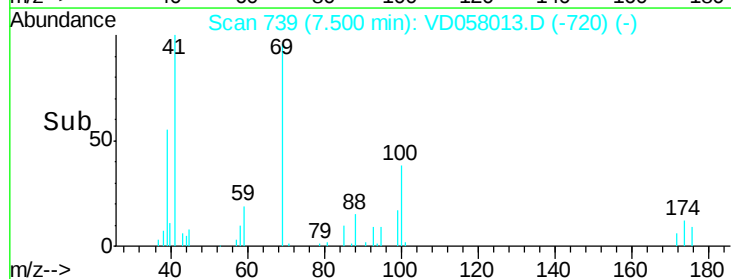
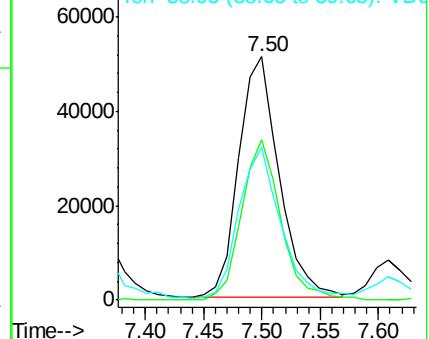
41 100

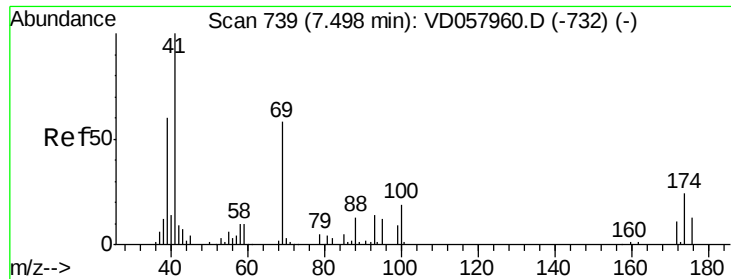
69 65.7 48.0 72.0

39 62.6 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

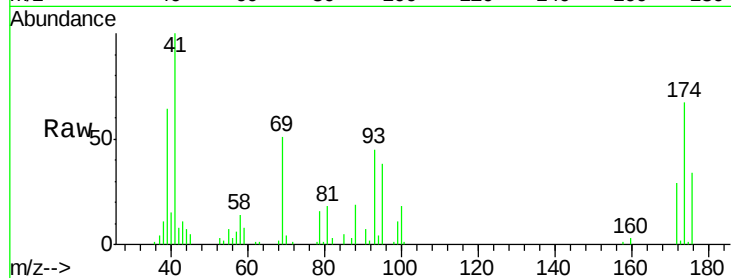




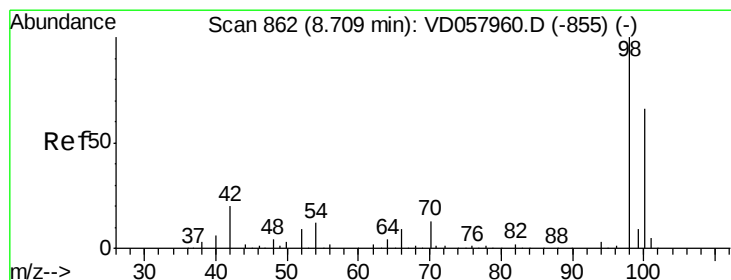
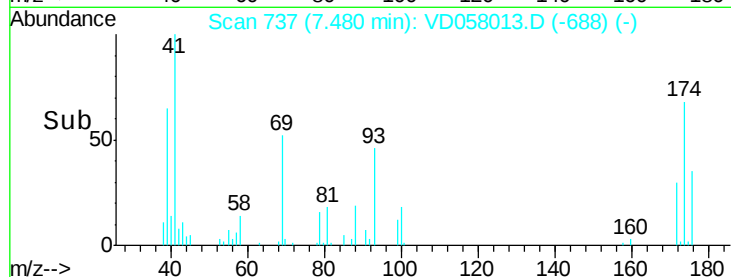
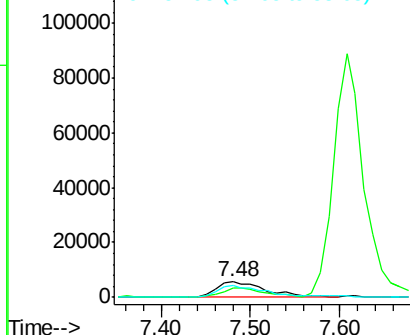
#49
1,4-Dioxane
Concen: 419.24 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion: 88 Resp: 21397
Ion Ratio Lower Upper
88 100
43 57.7 46.6 69.8
58 73.3 63.6 95.4

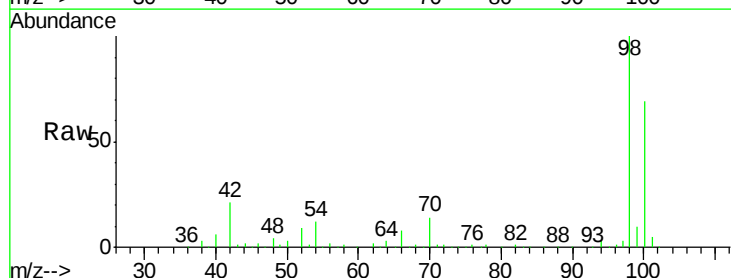


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

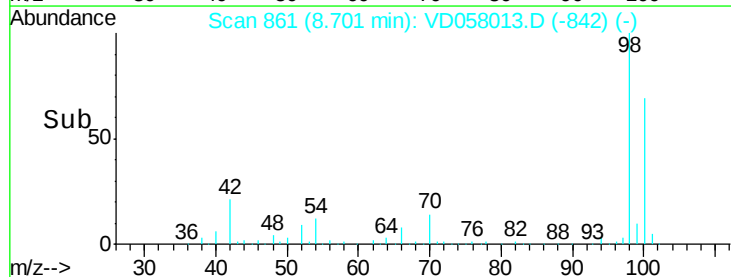
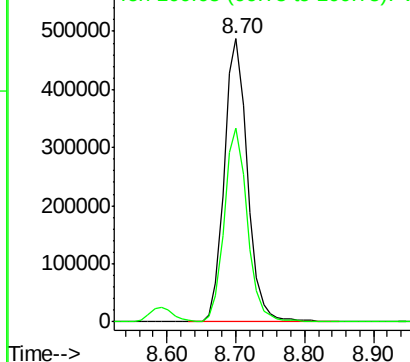


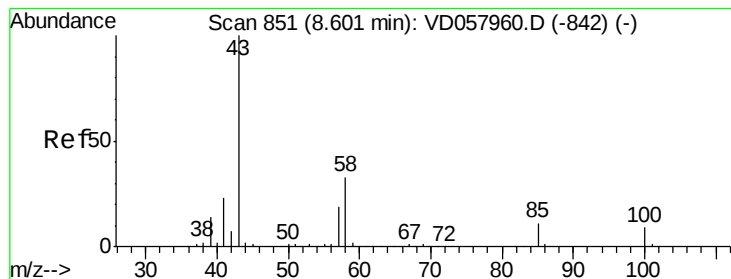
#50
Toluene-d8
Concen: 419.24 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 98 Resp: 1135592
Ion Ratio Lower Upper
98 100
100 68.6 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: 109.65 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

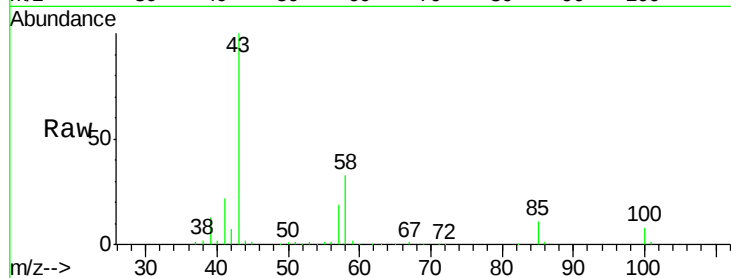
VD0608SBS01

Tot Ion: 43 Resp: 703986

Ion Ratio Lower Upper

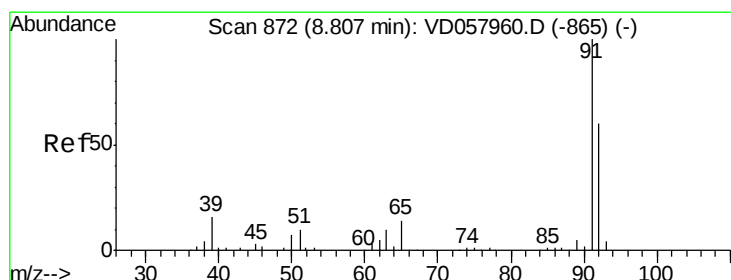
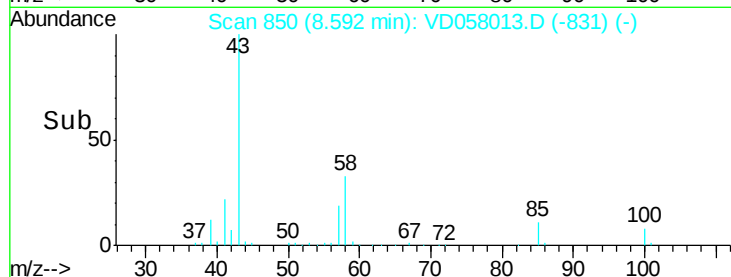
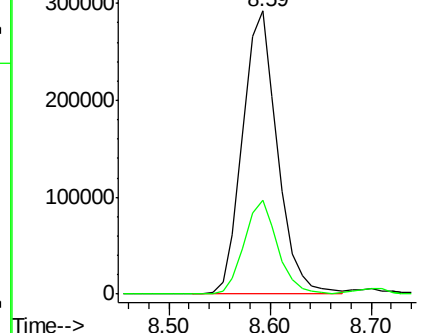
43 100

58 33.0 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.84 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD058013.D

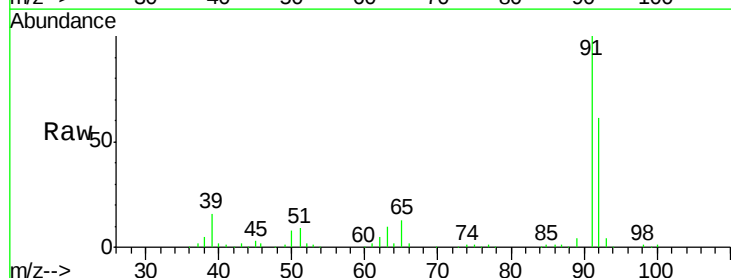
Acq: 8 Jun 2018 13:00

Tgt Ion: 92 Resp: 428929

Ion Ratio Lower Upper

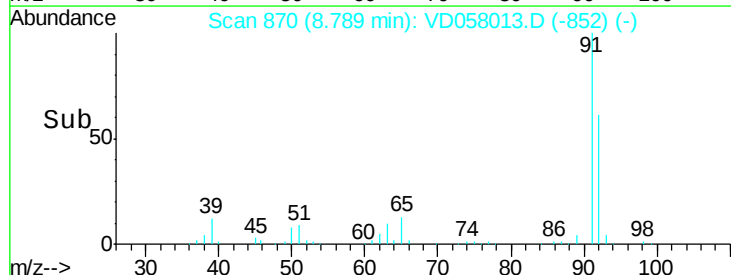
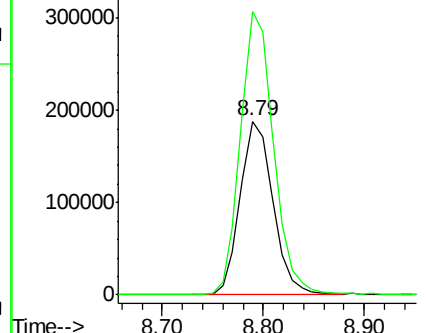
92 100

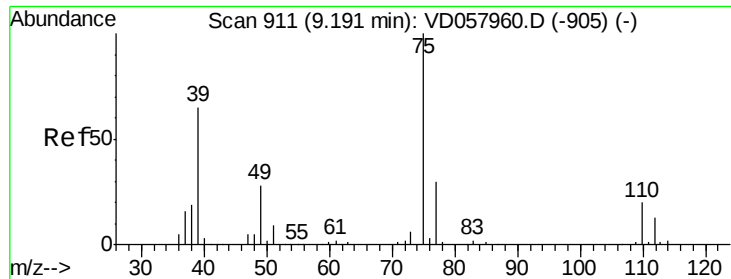
91 163.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

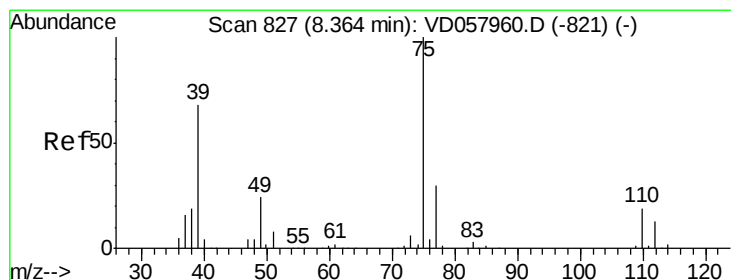
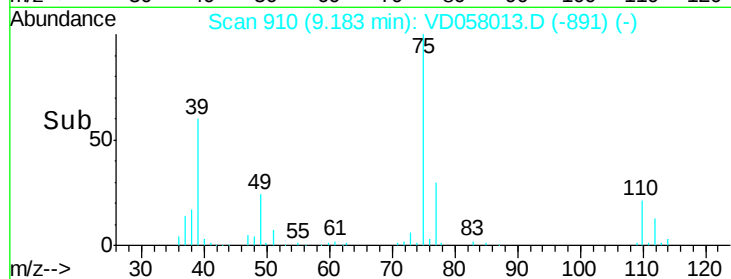
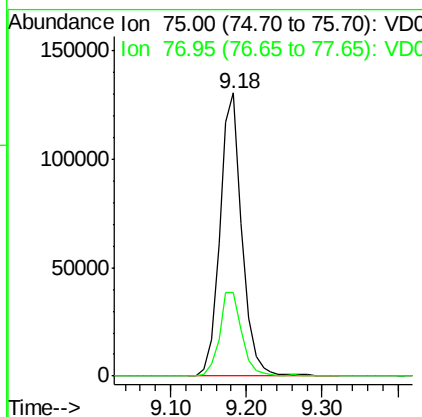
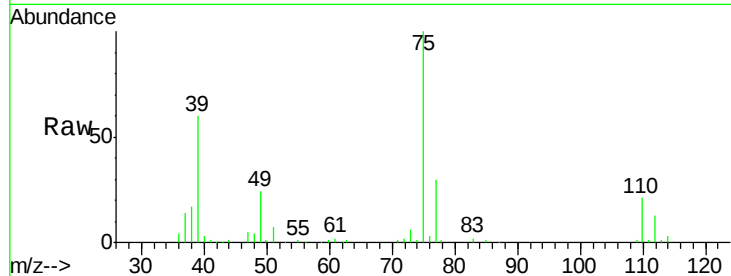




#53
 t-1,3-Dichloropropene
 Concen: 22.31 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

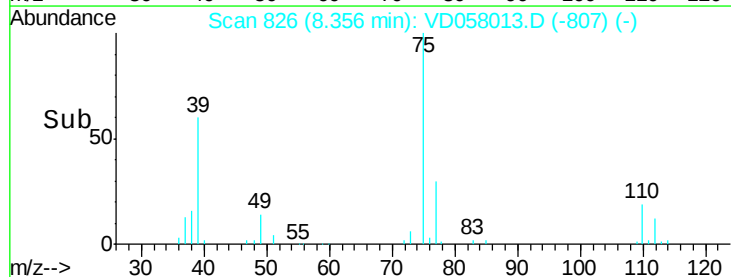
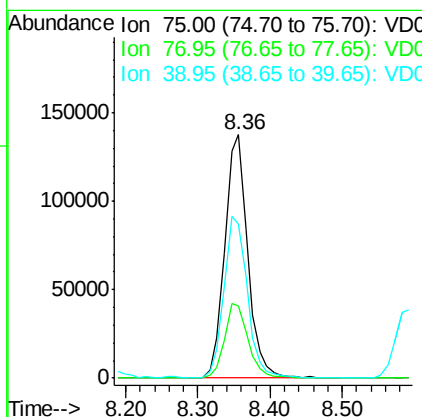
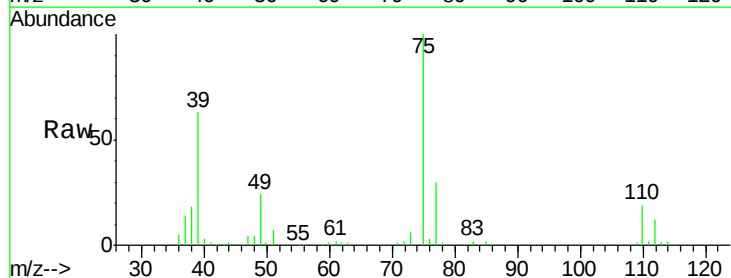
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

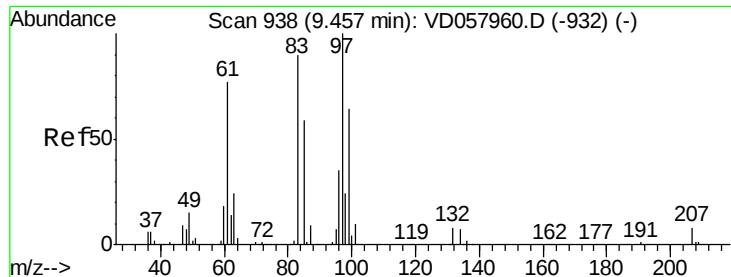
Tot Ion: 75 Resp: 262833
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.89 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion: 75 Resp: 303820
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.1 36.1
 39 63.4 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 21.62 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

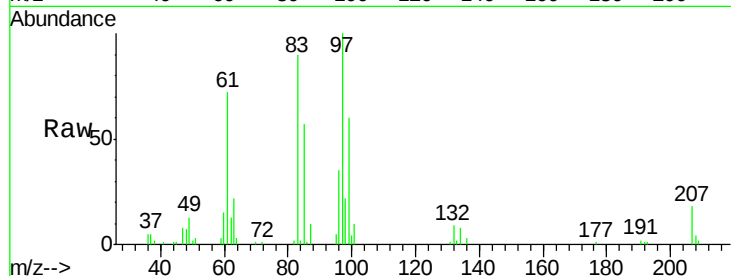
MSVOA_D

ClientSampleId :

VD0608SBS01

Tot Ion: 97 Resp: 131360

Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.8	107.8
85	57.3	47.2	70.8
99	60.5	51.4	77.0

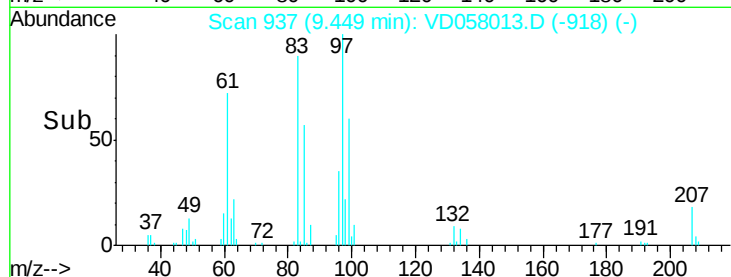


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



Time-->

9.45

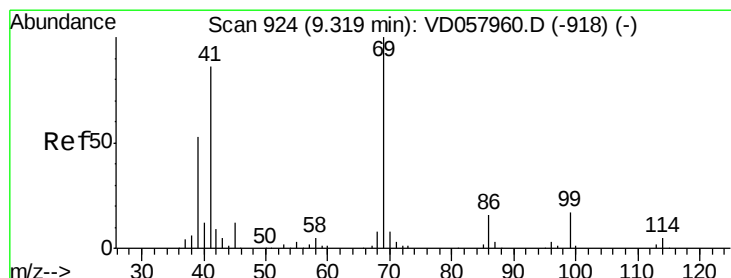
60000

40000

20000

0

9.40 9.50 9.60



#56

Ethyl methacrylate

Concen: 21.33 ug/l

RT: 9.30 min Scan# 922

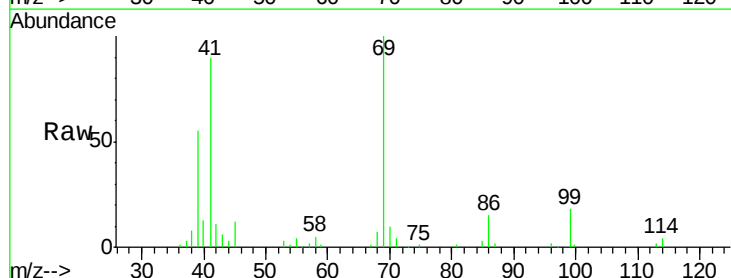
Delta R.T. -0.02 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Tgt Ion: 69 Resp: 158987

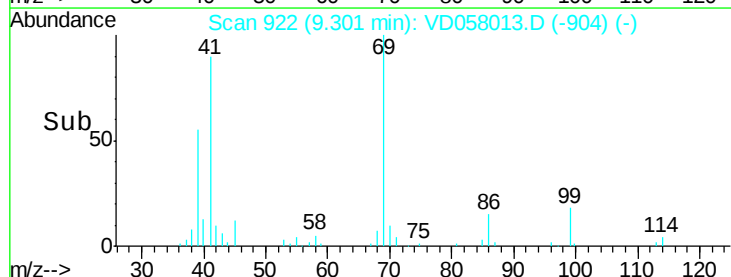
Ion	Ratio	Lower	Upper
69	100		
41	89.5	68.4	102.6
39	55.0	43.0	64.4



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



Time-->

9.30

100000

80000

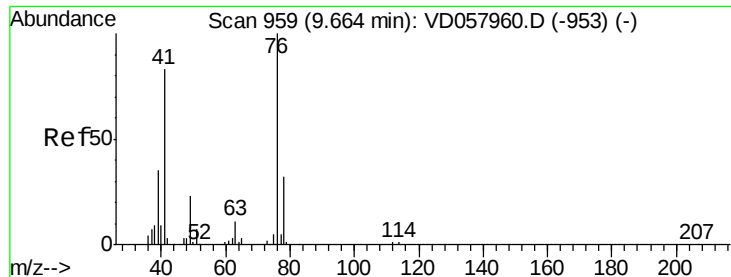
60000

40000

20000

0

9.20 9.30 9.40 9.50



#57

1,3-Dichloropropane

Concen: 21.09 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

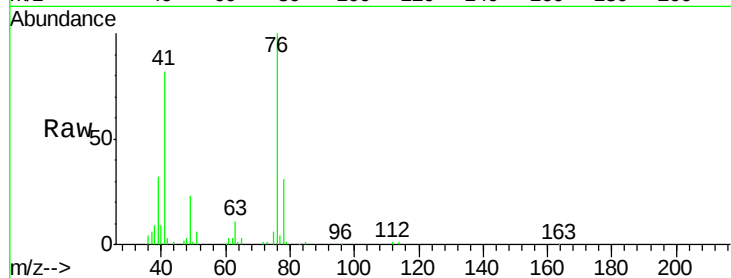
VD0608SBS01

Tot Ion: 76 Resp: 224771

Ion Ratio Lower Upper

76 100

78 30.7 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

100000

80000

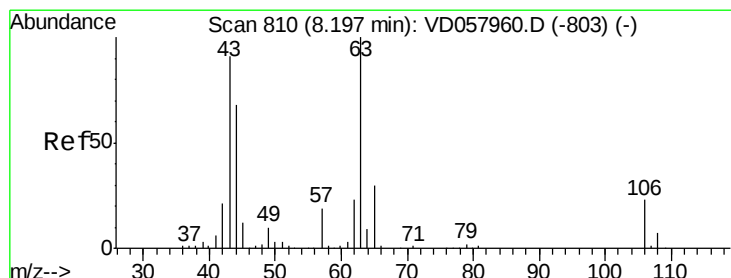
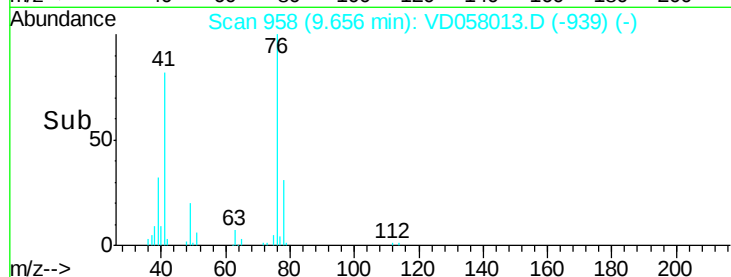
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 115.32 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058013.D

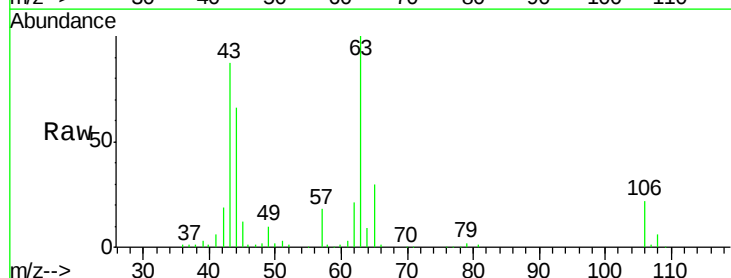
Acq: 8 Jun 2018 13:00

Tgt Ion: 63 Resp: 434311

Ion Ratio Lower Upper

63 100

106 21.9 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.18

200000

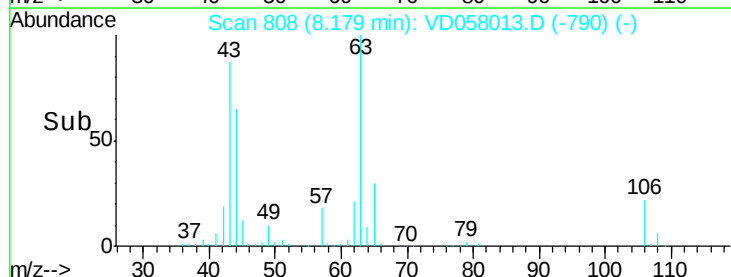
150000

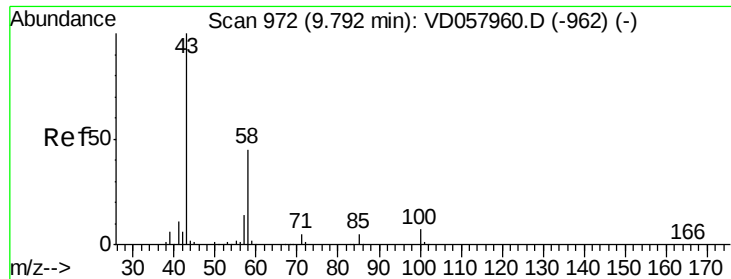
100000

50000

0

Time-->

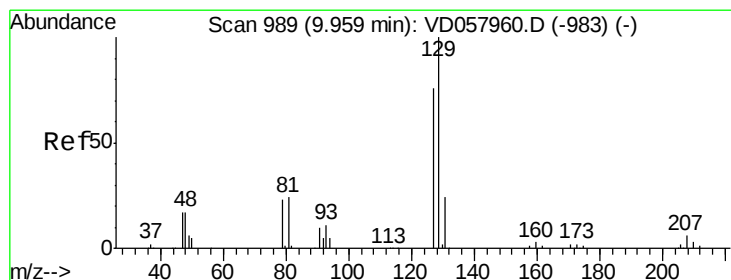
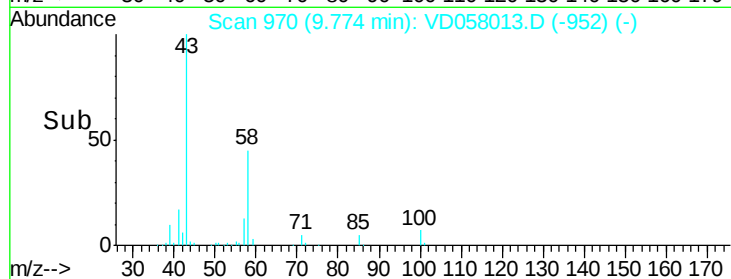
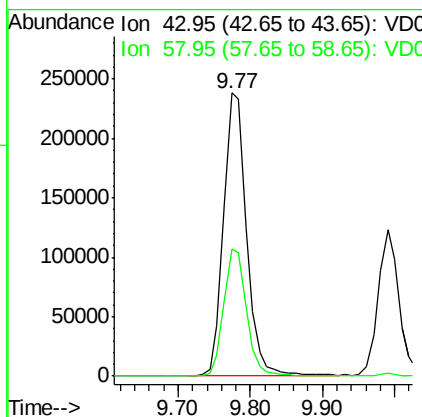
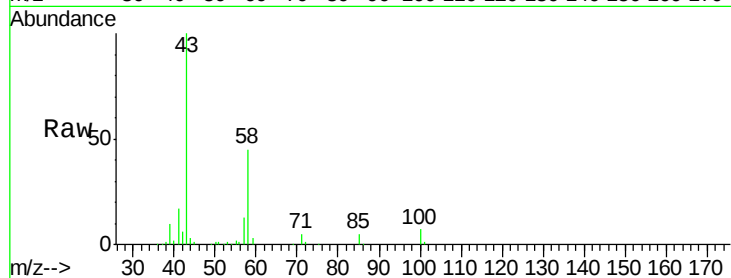




#59
2-Hexanone
Concen: 112.28 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

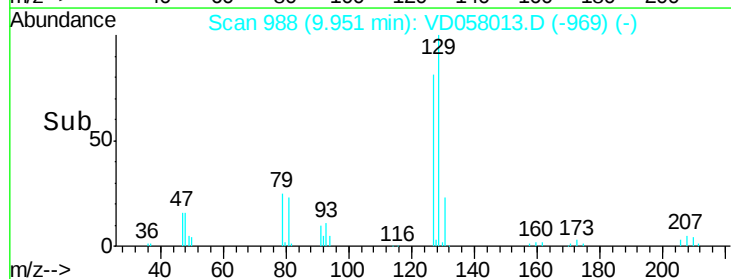
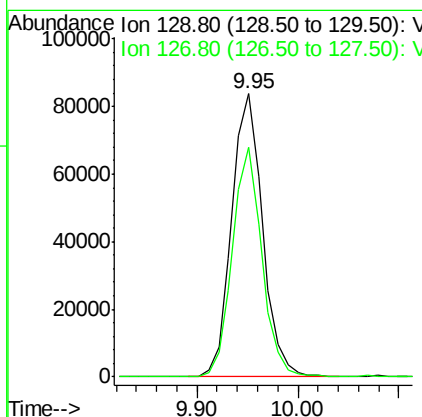
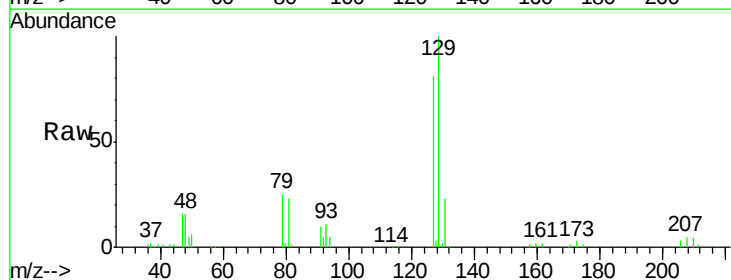
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

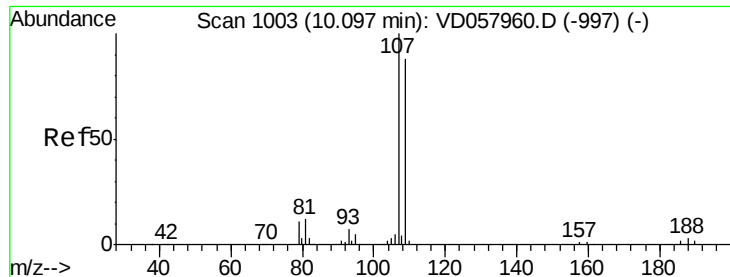
Tot Ion: 43 Resp: 528277
Ion Ratio Lower Upper
43 100
58 44.8 22.5 67.5



#60
Dibromochloromethane
Concen: 20.75 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 129 Resp: 177810
Ion Ratio Lower Upper
129 100
127 80.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.91 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

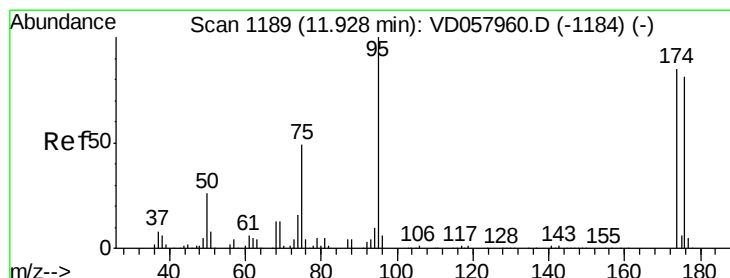
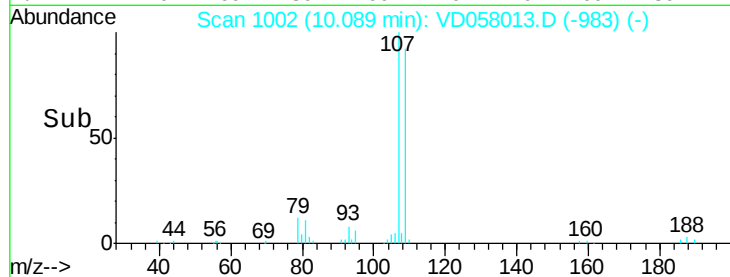
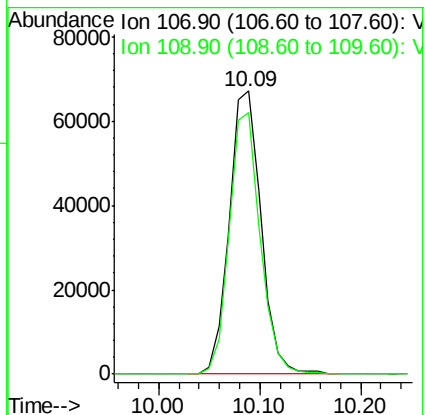
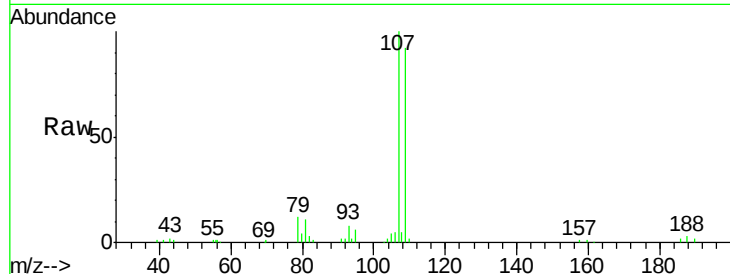
VD0608SBS01

Tot Ion:107 Resp: 146158

Ion Ratio Lower Upper

107 100

109 92.3 70.6 106.0



#62

4-Bromofluorobenzene

Concen: 20.91 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

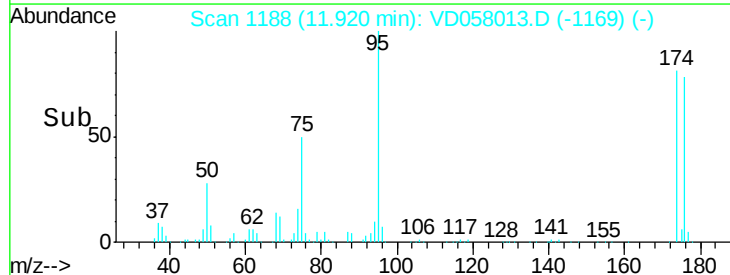
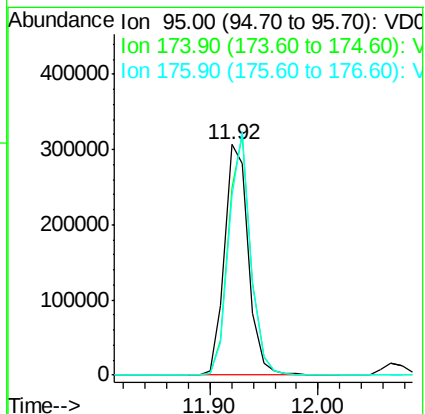
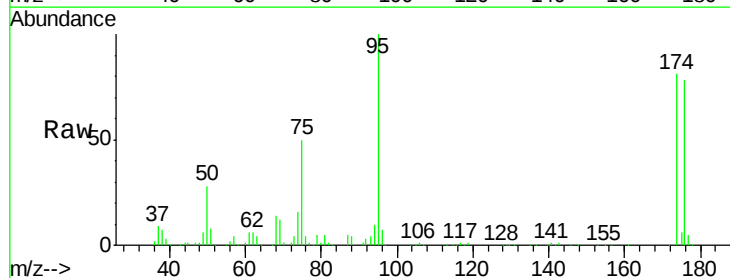
Tgt Ion: 95 Resp: 469133

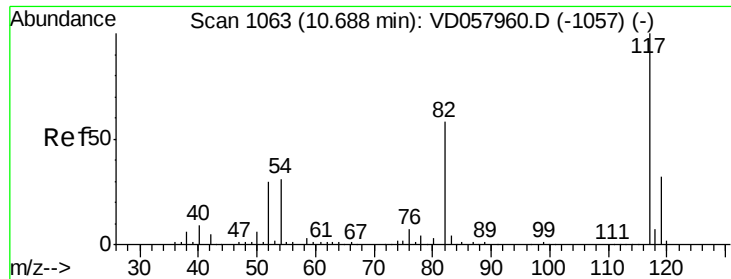
Ion Ratio Lower Upper

95 100

174 81.2 0.0 169.4

176 77.9 0.0 162.6

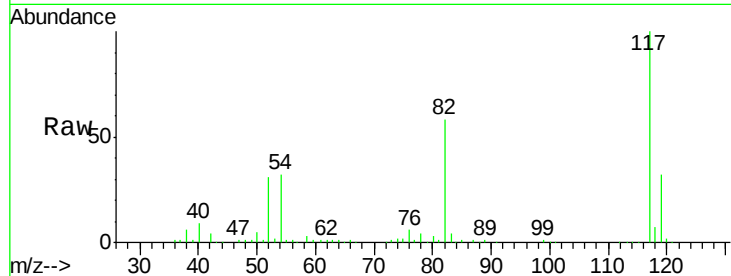




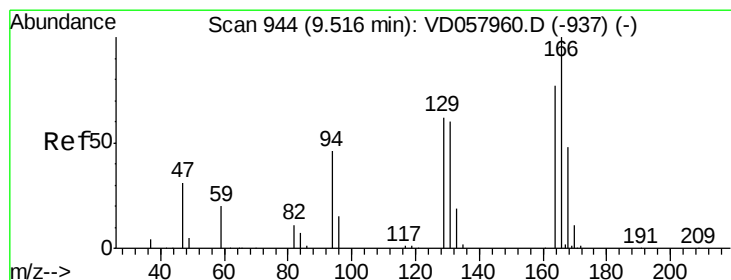
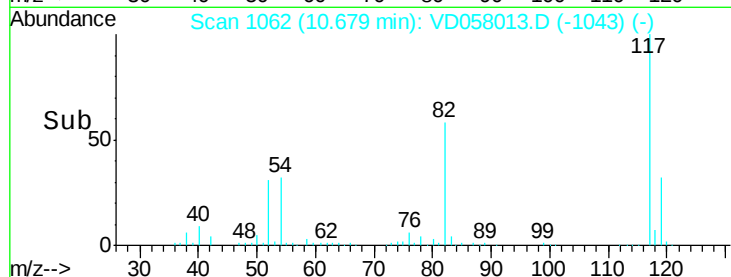
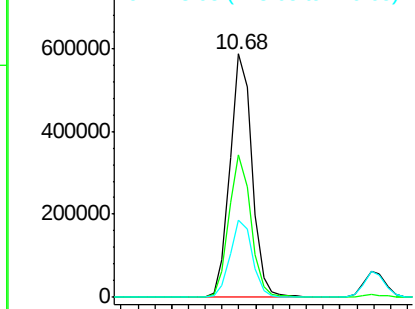
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion:117 Resp: 1069696
Ion Ratio Lower Upper
117 100
82 58.4 46.8 70.2
119 31.6 25.8 38.6

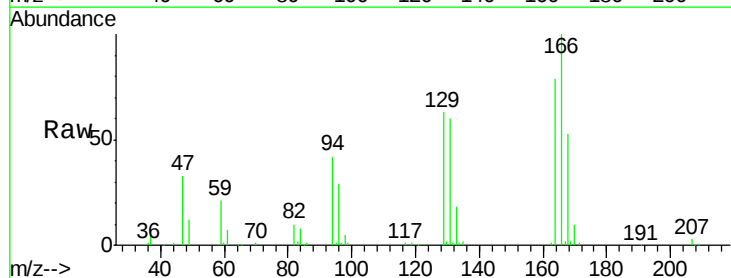


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

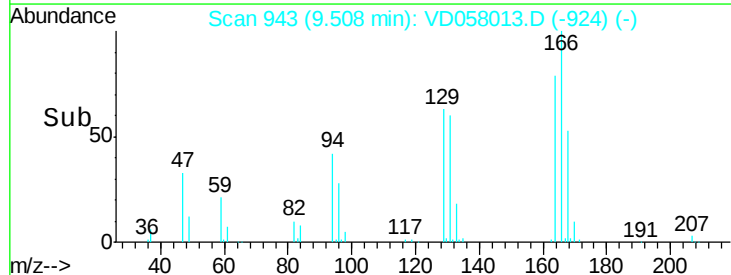
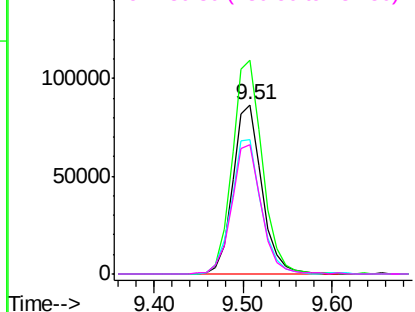


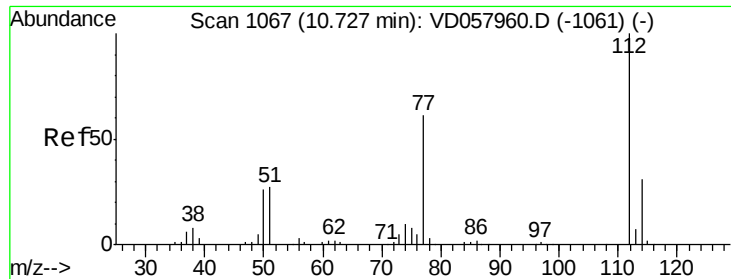
#64
Tetrachloroethene
Concen: 20.50 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion:164 Resp: 196012
Ion Ratio Lower Upper
164 100
166 126.0 104.4 156.6
129 79.0 65.0 97.6
131 76.1 62.9 94.3



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





#65

Chlorobenzene

Concen: 21.06 ug/l

RT: 10.72 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

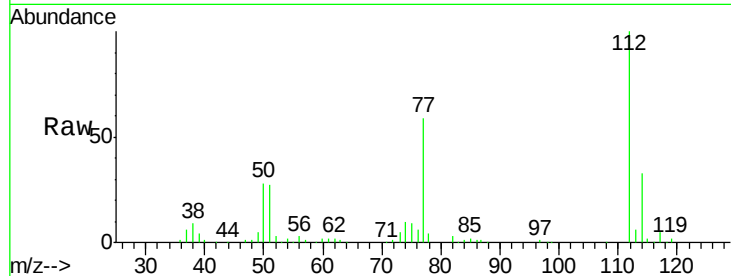
VD0608SBS01

Tot Ion:112 Resp: 456039

Ion Ratio Lower Upper

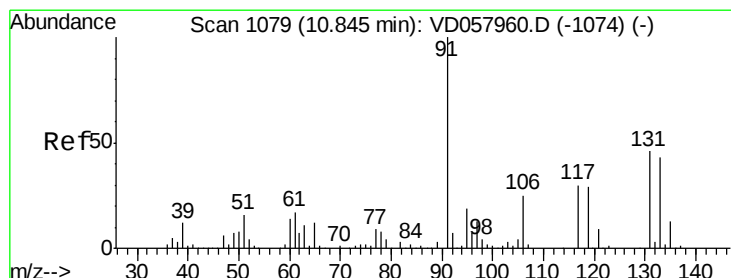
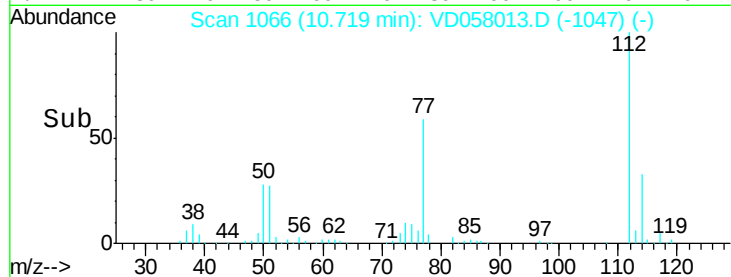
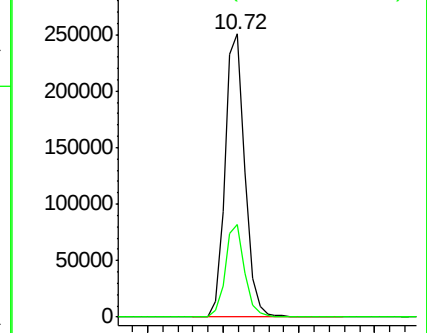
112 100

114 32.9 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.66 ug/l

RT: 10.84 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

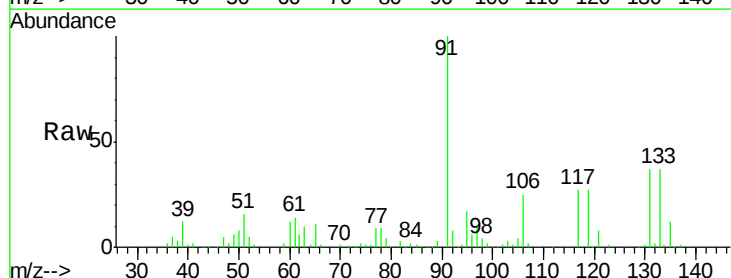
Tgt Ion:131 Resp: 163553

Ion Ratio Lower Upper

131 100

133 101.3 46.9 140.6

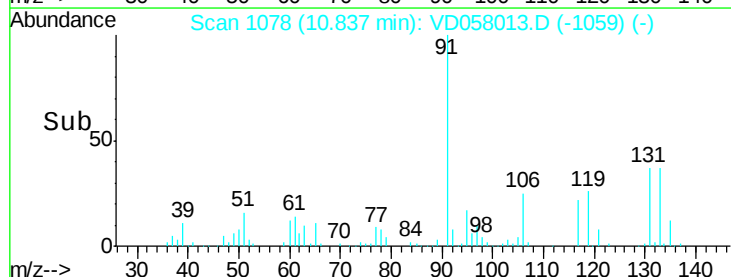
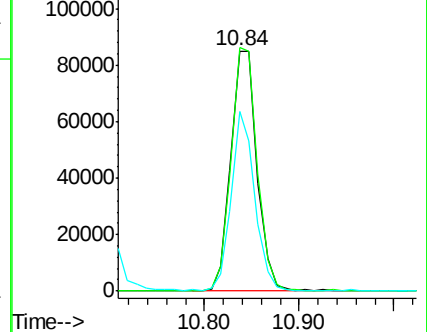
119 74.8 31.8 95.3

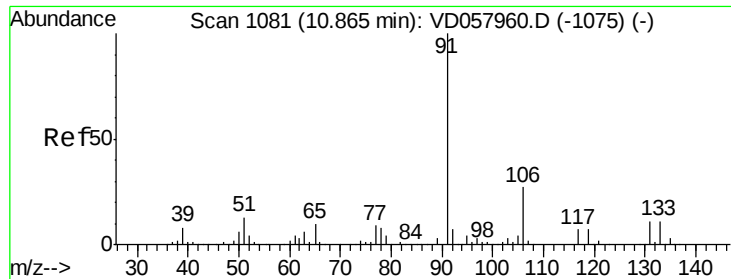


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

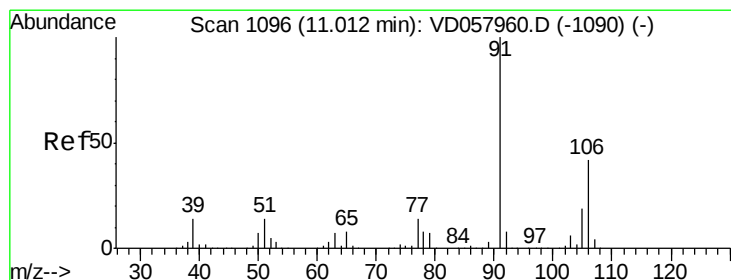
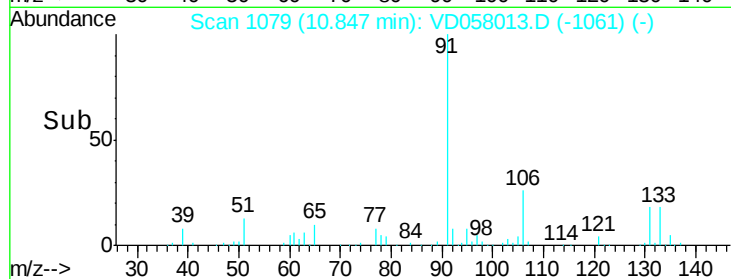
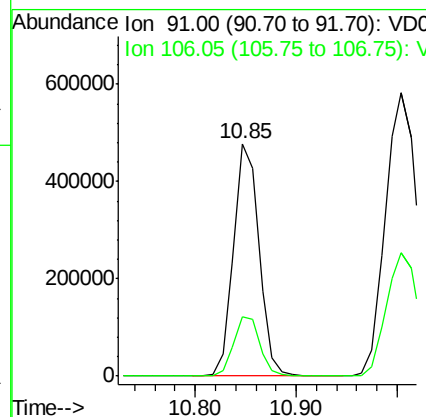
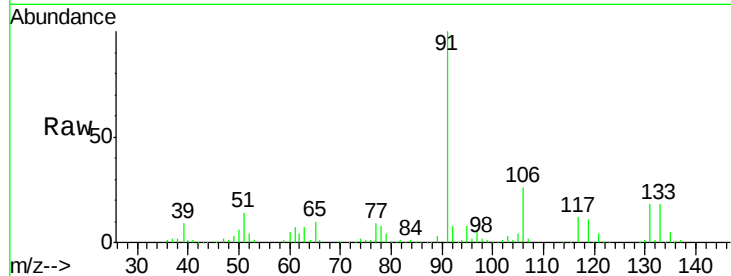




#67
Ethyl Benzene
Concen: 21.52 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

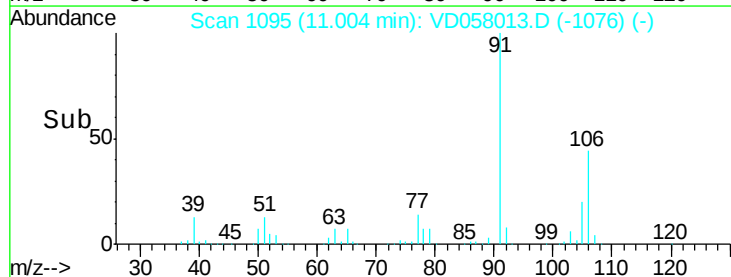
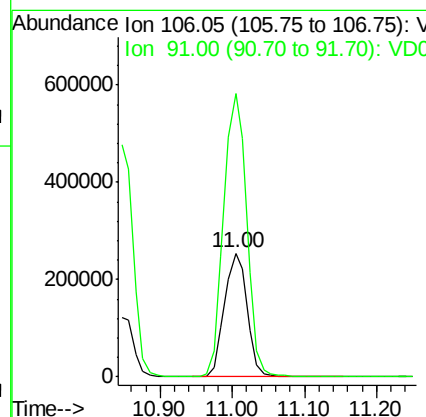
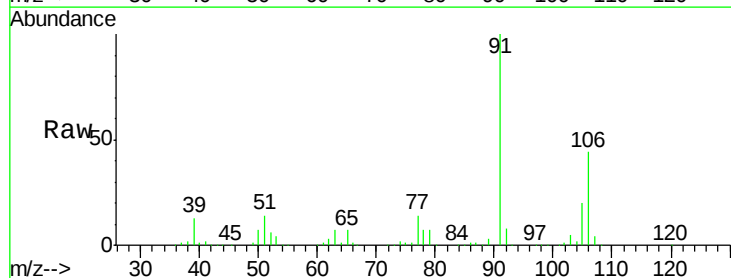
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

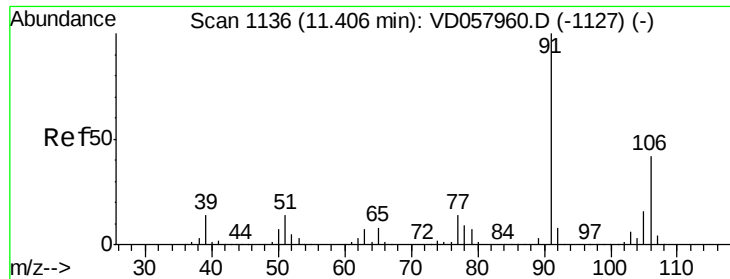
Tot Ion: 91 Resp: 841796
Ion Ratio Lower Upper
91 100
106 25.6 21.5 32.3



#68
m/p-Xylenes
Concen: 43.46 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 106 Resp: 554330
Ion Ratio Lower Upper
106 100
91 228.3 190.4 285.6

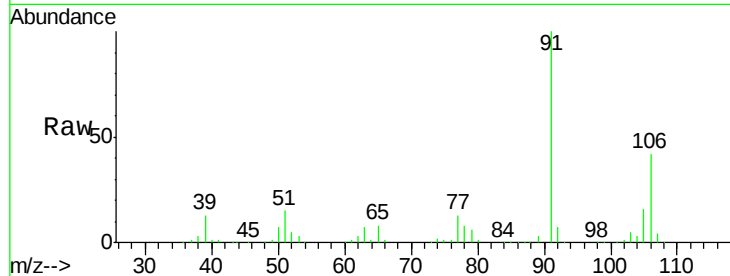




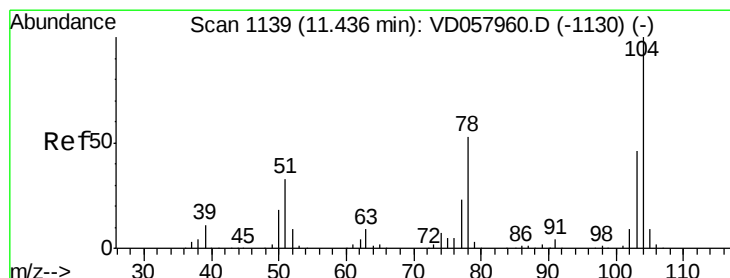
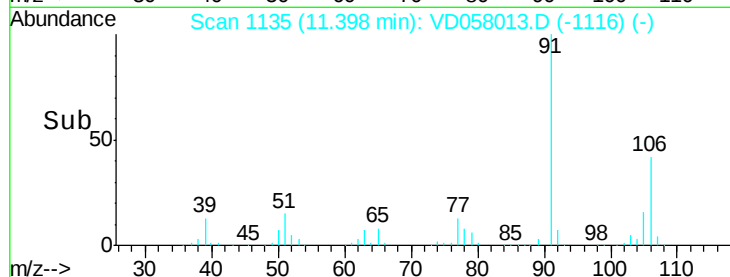
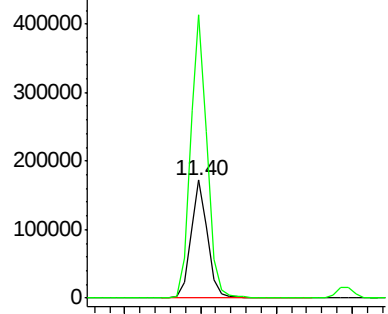
#69
o-Xylene
Concen: 21.01 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion:106 Resp: 265951
Ion Ratio Lower Upper
106 100
91 239.9 120.6 361.7

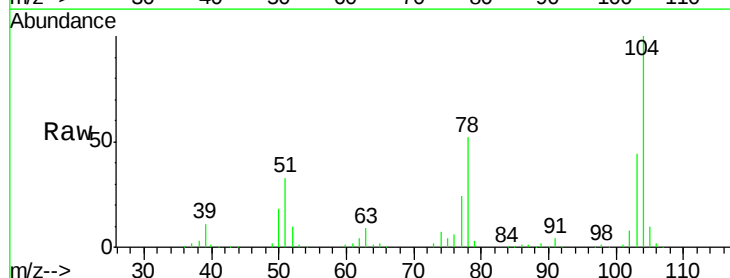


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

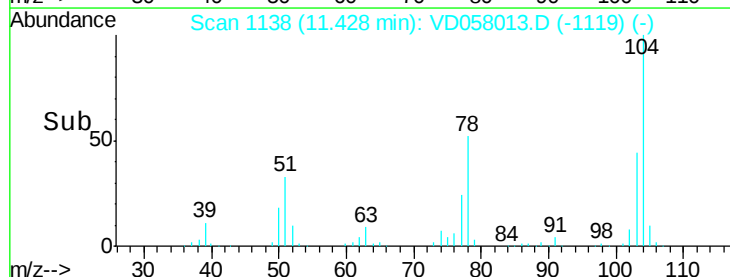
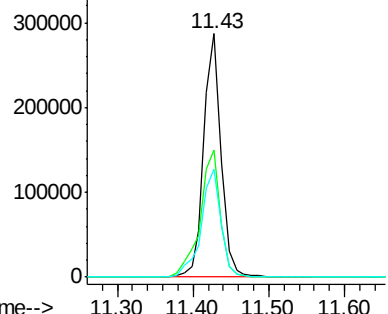


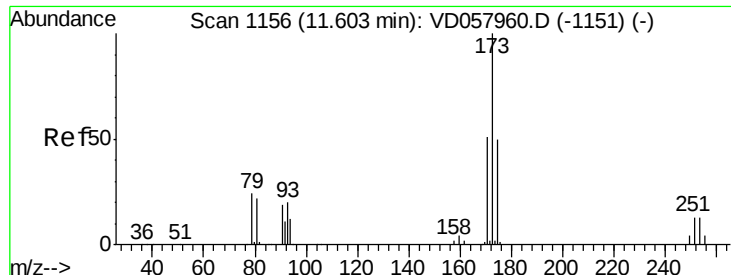
#70
Styrene
Concen: 21.43 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion:104 Resp: 449197
Ion Ratio Lower Upper
104 100
78 52.2 42.1 63.1
103 44.3 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

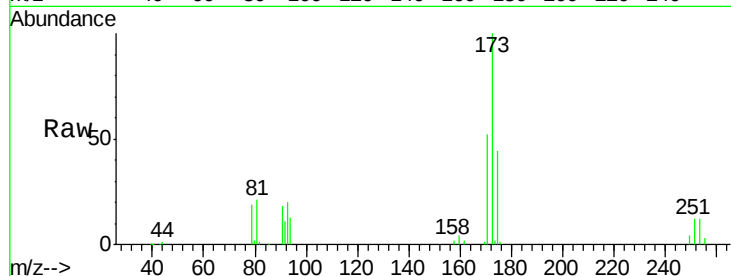




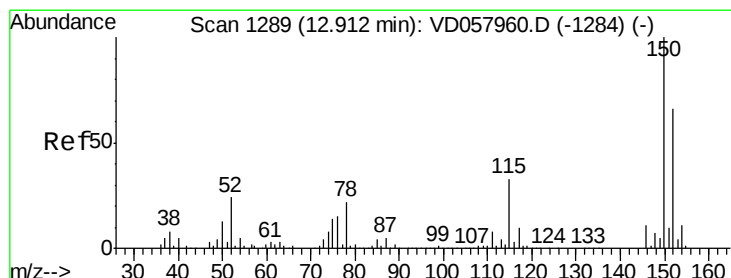
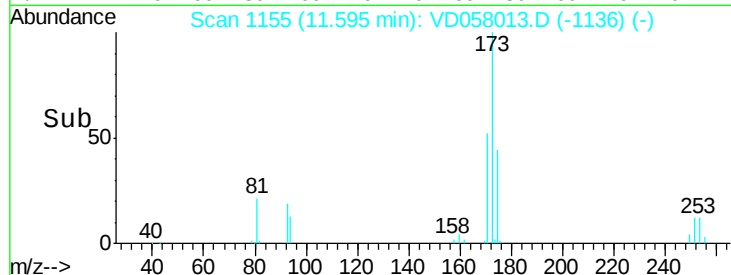
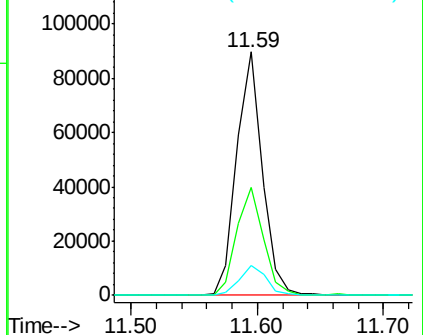
#71
Bromoform
Concen: 20.11 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

Tot Ion:173 Resp: 125887
Ion Ratio Lower Upper
173 100
175 44.4 25.1 75.2
254 12.4 10.7 16.1

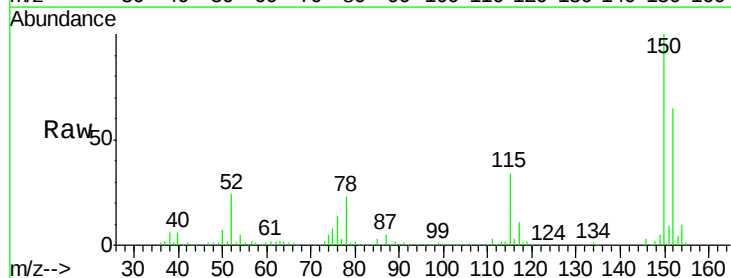


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

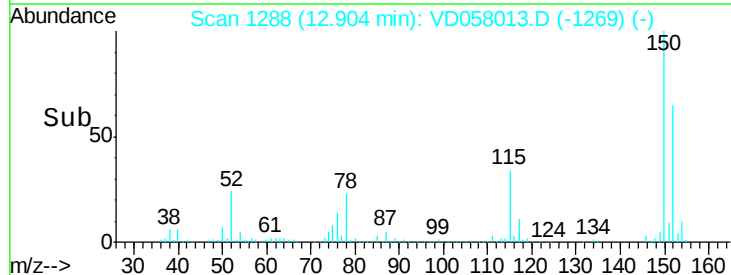
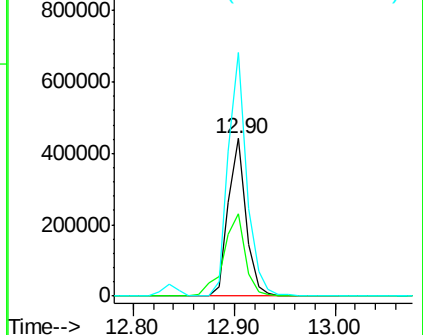


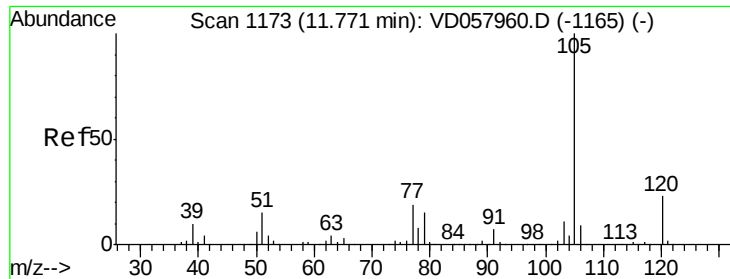
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion:152 Resp: 540942
Ion Ratio Lower Upper
152 100
115 51.9 25.6 76.6
150 154.7 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: 20.60 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

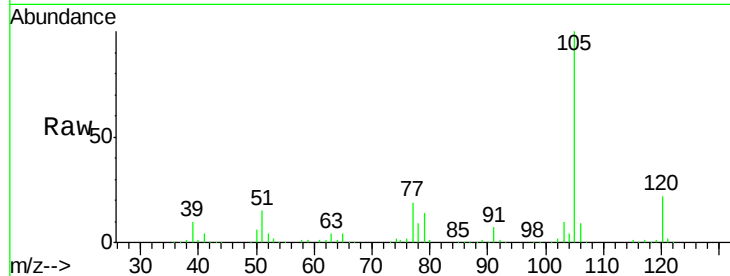
VD0608SBS01

Tot Ion:105 Resp: 738183

Ion Ratio Lower Upper

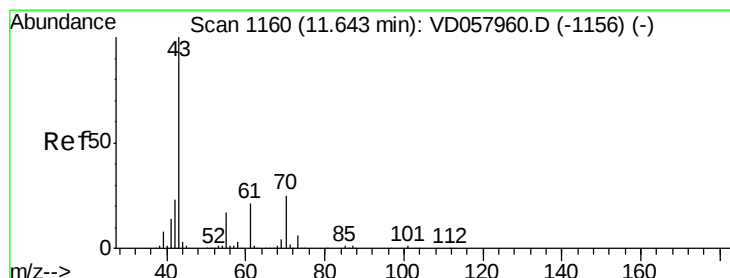
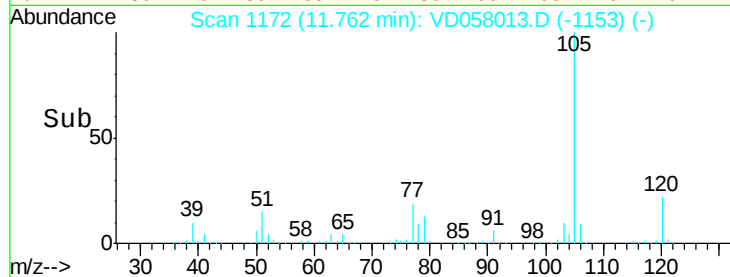
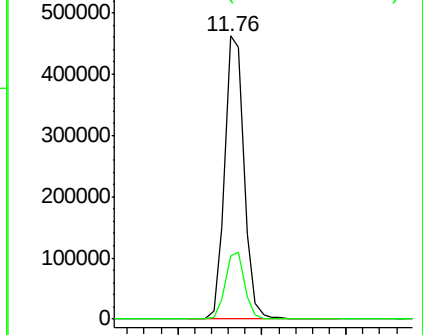
105 100

120 22.4 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.85 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Tgt Ion: 43 Resp: 274421

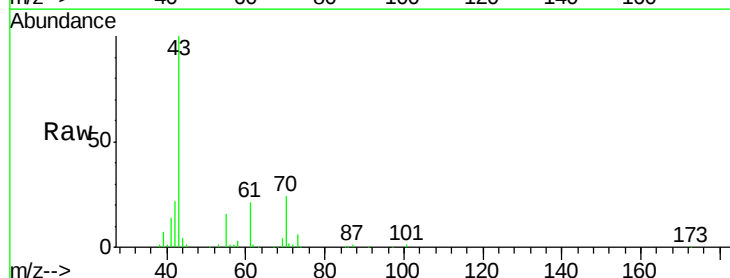
Ion Ratio Lower Upper

43 100

70 23.7 20.3 30.5

55 16.1 13.9 20.9

61 20.9 16.6 24.8

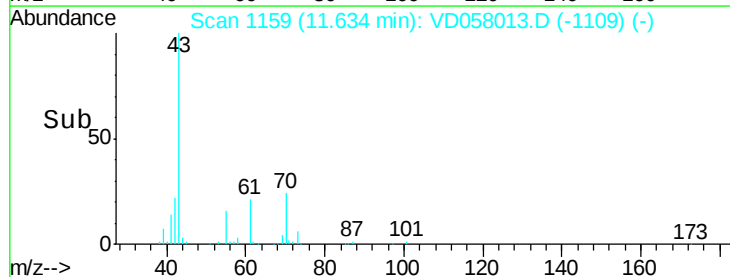
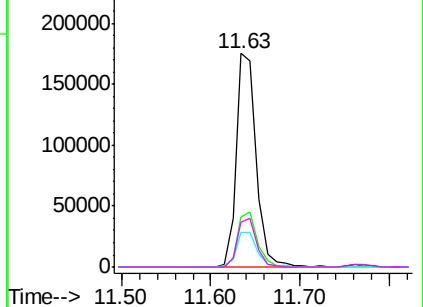


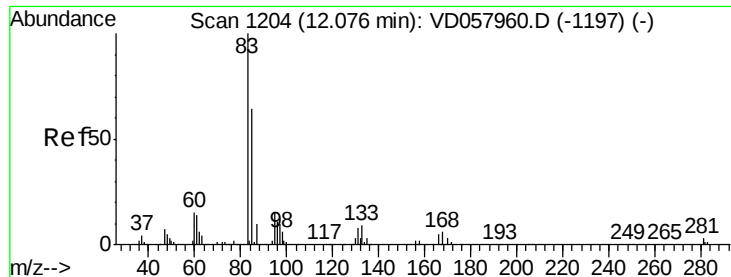
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.87 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

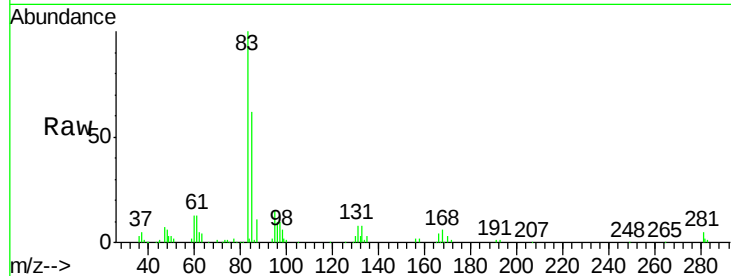
Tot Ion: 83 Resp: 147413

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.6

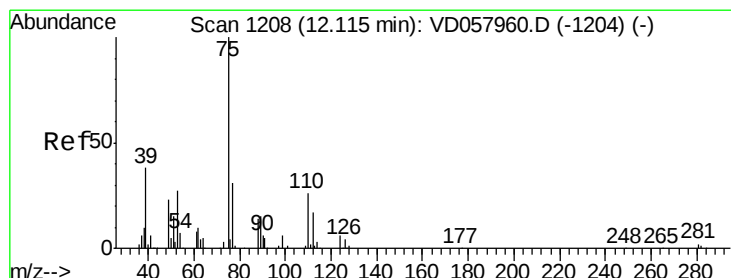
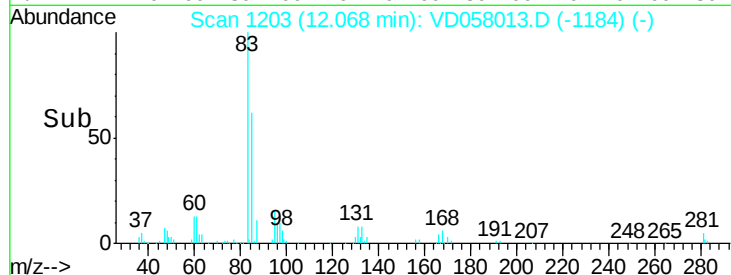
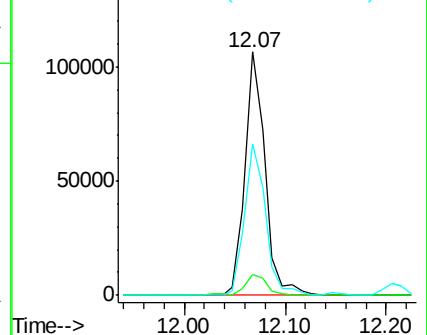
85 62.2 31.9 95.5



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: 20.40 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058013.D

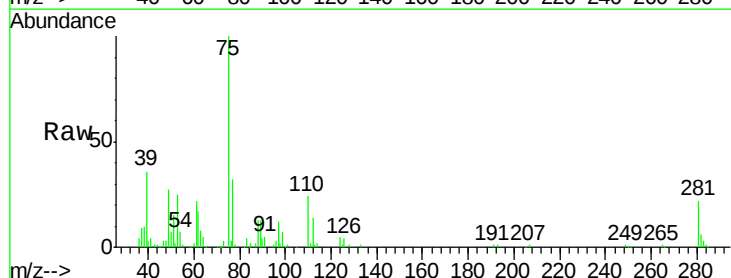
Acq: 8 Jun 2018 13:00

Tgt Ion: 75 Resp: 165803

Ion Ratio Lower Upper

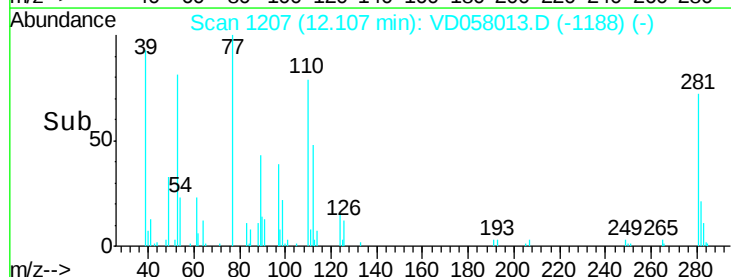
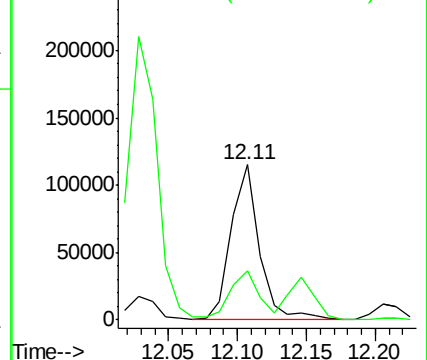
75 100

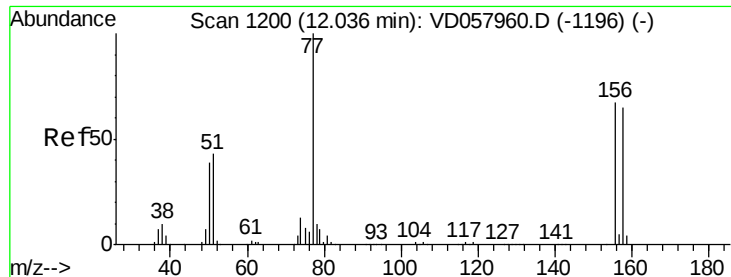
77 31.9 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.50 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

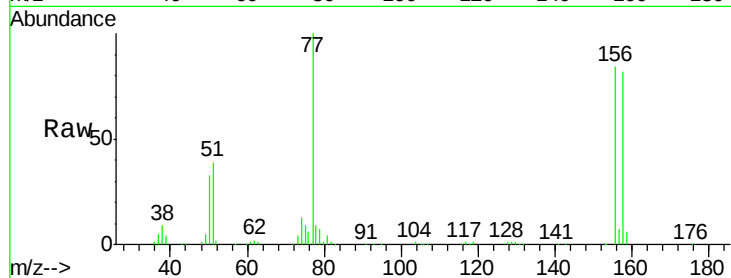
Tot Ion:156 Resp: 217403

Ion Ratio Lower Upper

156 100

77 118.6 75.0 224.8

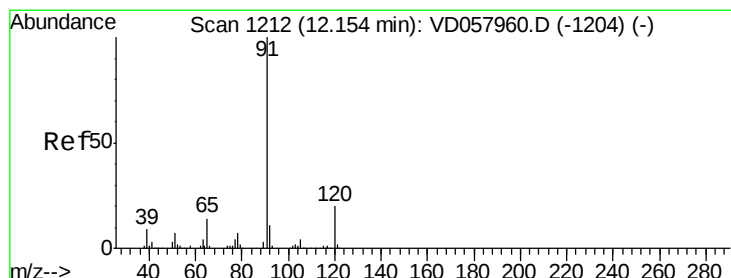
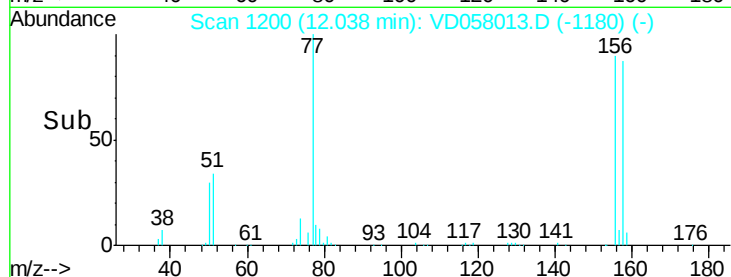
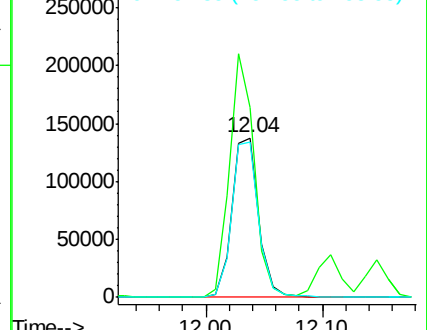
158 97.2 48.6 145.9



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: 21.60 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058013.D

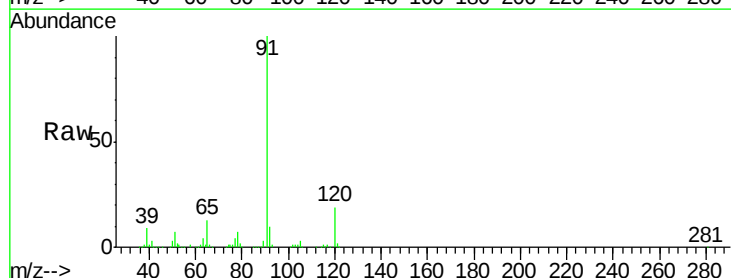
Acq: 8 Jun 2018 13:00

Tgt Ion: 91 Resp: 1006831

Ion Ratio Lower Upper

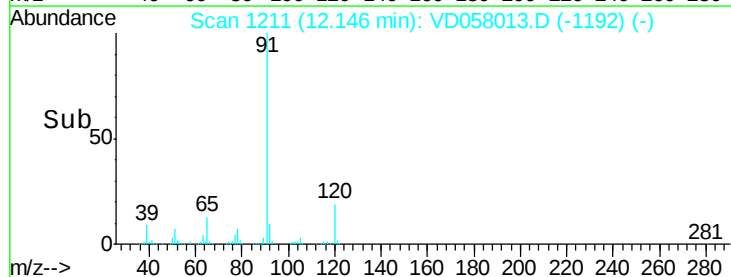
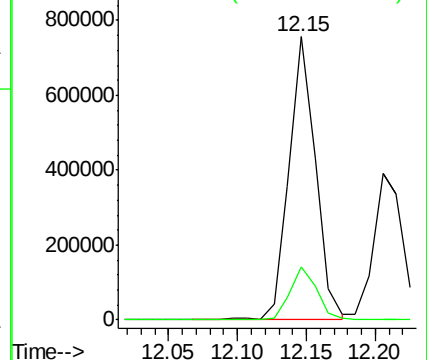
91 100

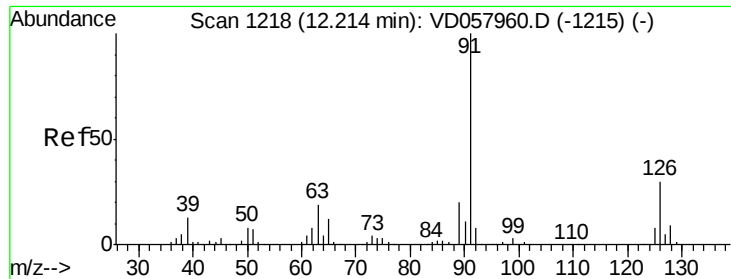
120 18.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

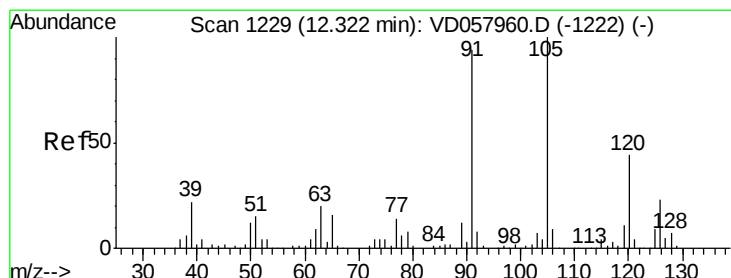
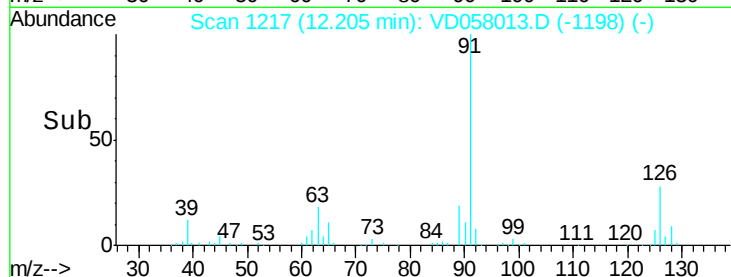
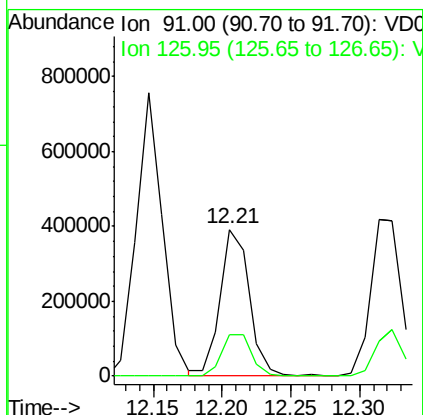
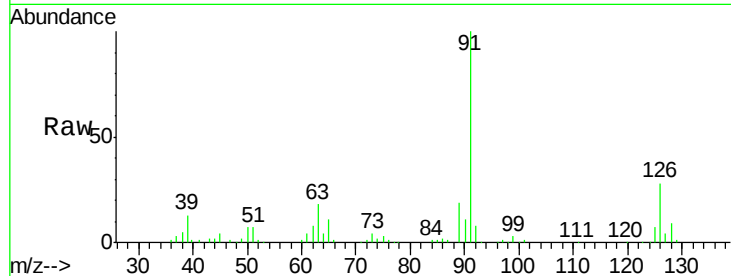




#79
 2-Chlorotoluene
 Concen: 21.52 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

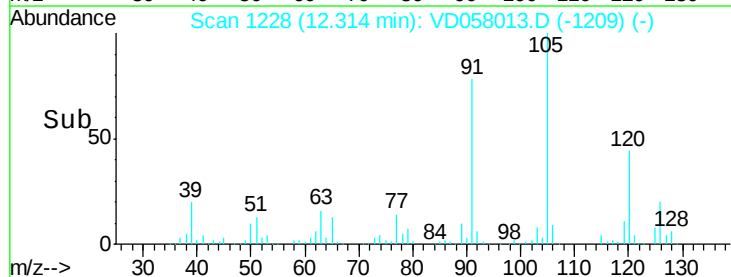
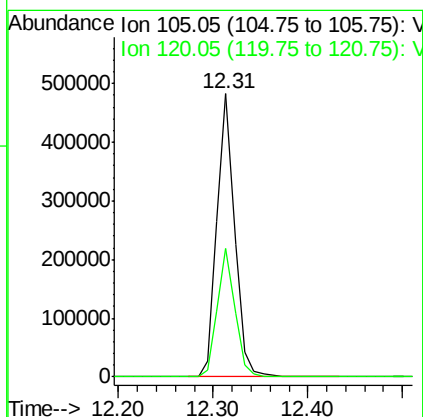
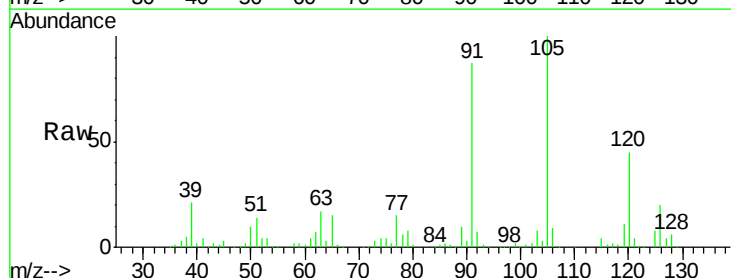
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

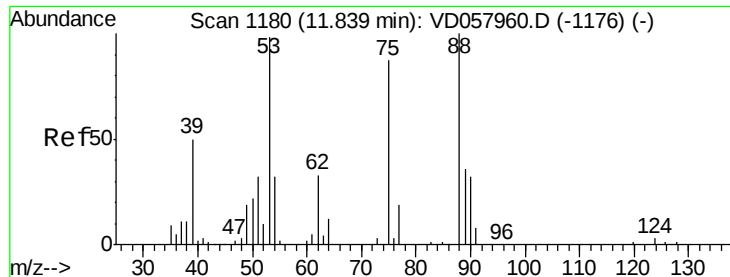
Tot Ion: 91 Resp: 572493
 Ion Ratio Lower Upper
 91 100
 126 27.8 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.47 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion: 105 Resp: 627961
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.76 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

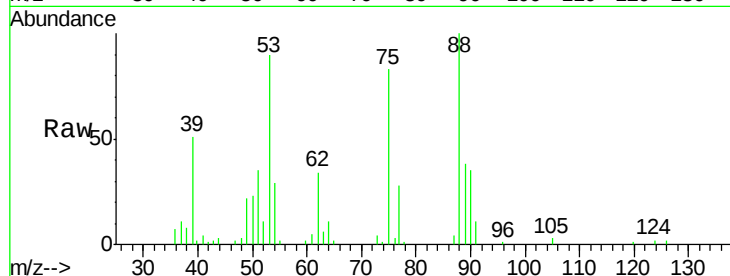
Tot Ion: 75 Resp: 39761

Ion Ratio Lower Upper

75 100

53 109.4 89.3 133.9

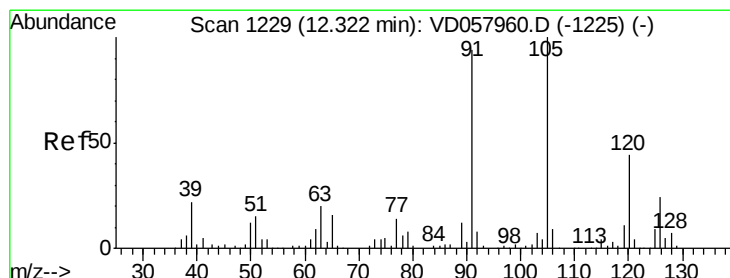
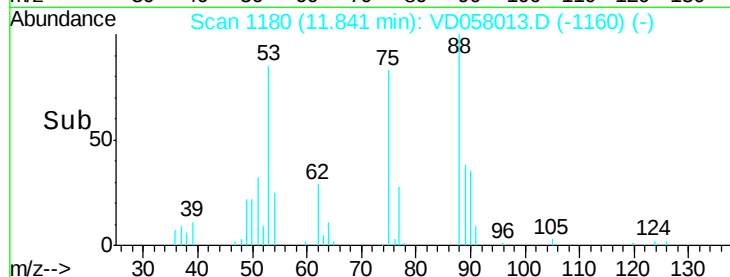
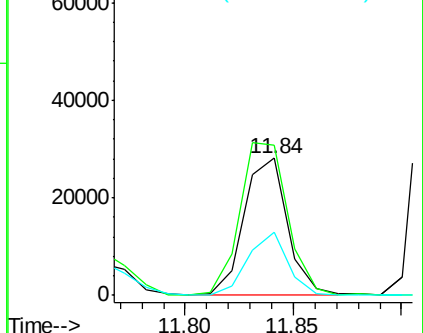
89 46.3 33.3 49.9



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: 23.46 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058013.D

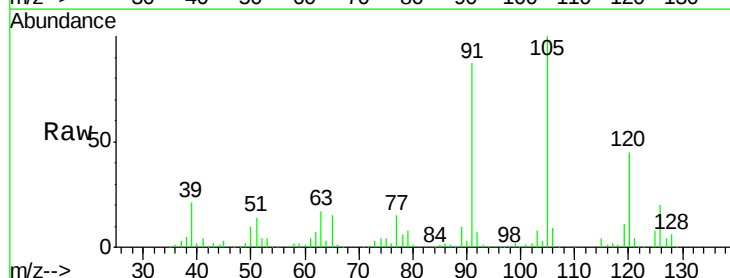
Acq: 8 Jun 2018 13:00

Tgt Ion: 91 Resp: 650553

Ion Ratio Lower Upper

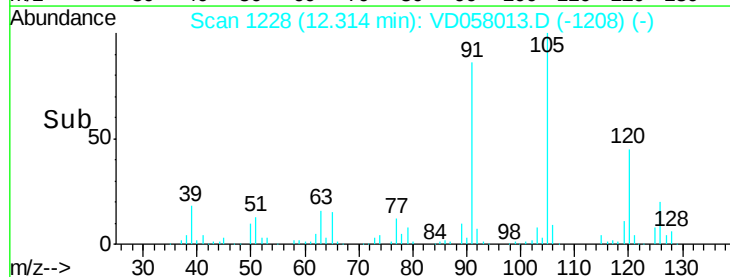
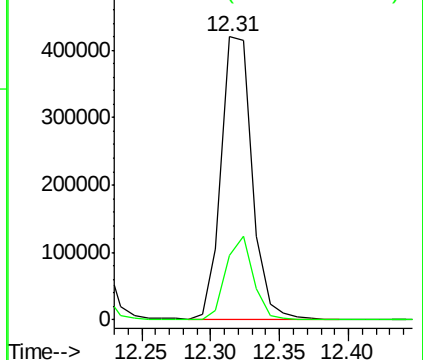
91 100

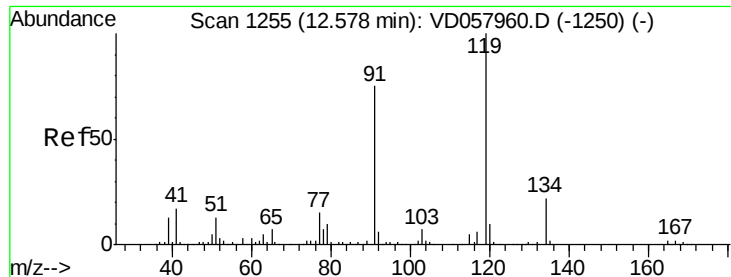
126 22.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

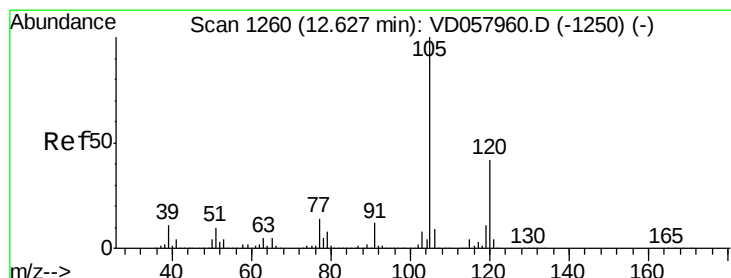
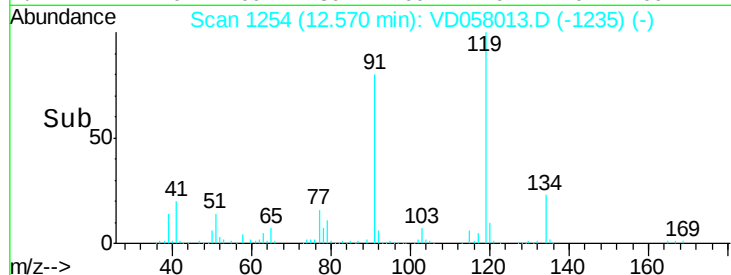
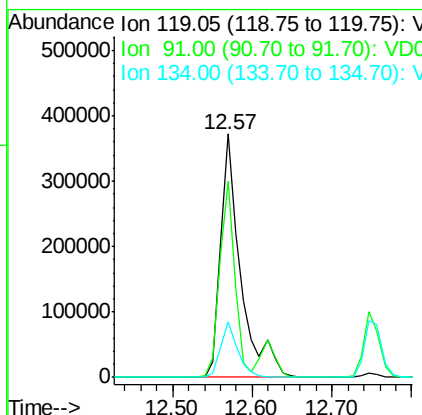
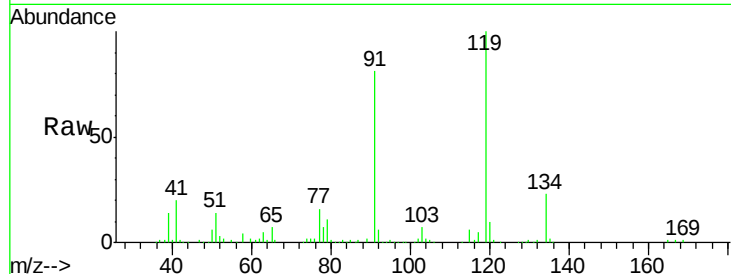




#83
 tert-Butylbenzene
 Concen: 21.05 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

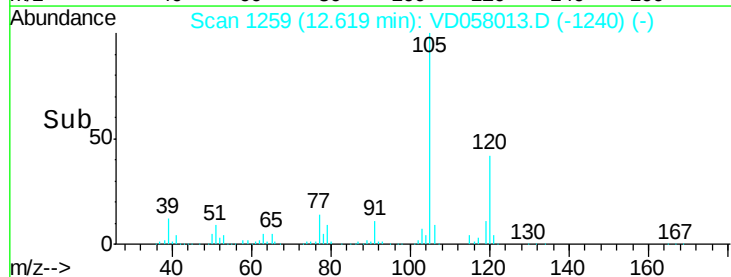
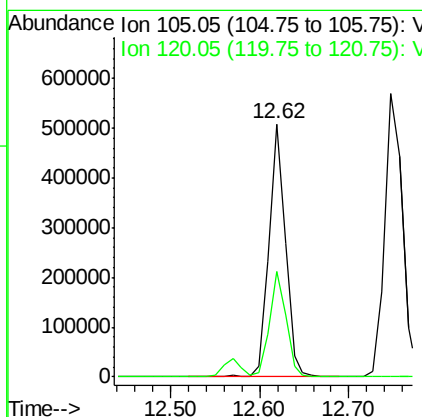
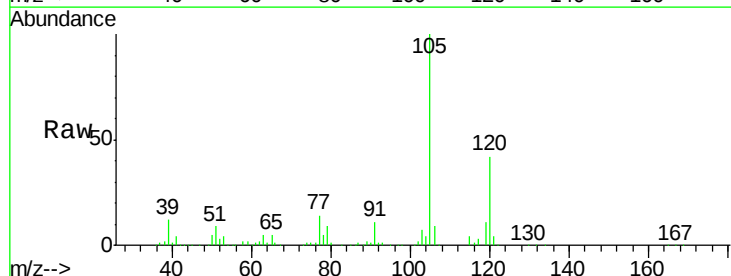
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

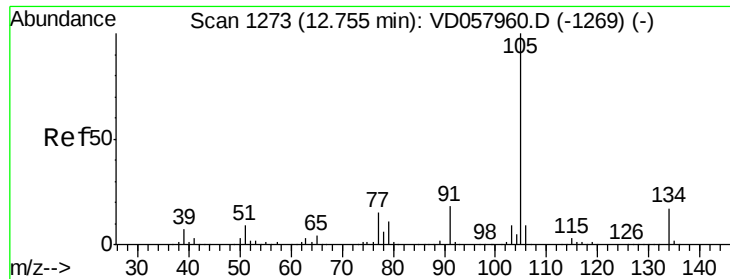
Tot Ion:119 Resp: 664100
 Ion Ratio Lower Upper
 119 100
 91 80.5 37.6 112.9
 134 22.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.54 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion:105 Resp: 647134
 Ion Ratio Lower Upper
 105 100
 120 41.7 21.2 63.6

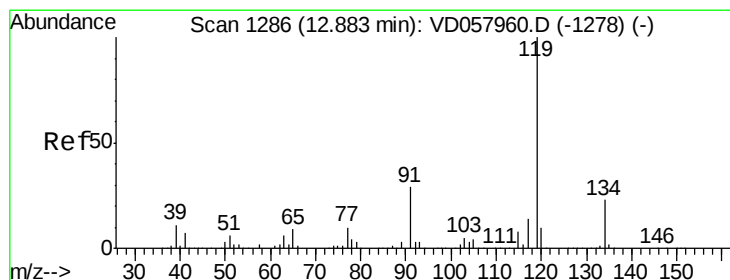
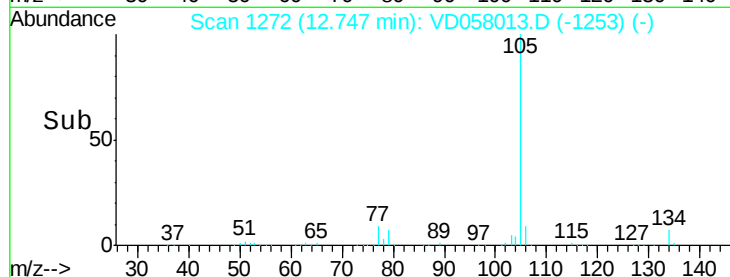
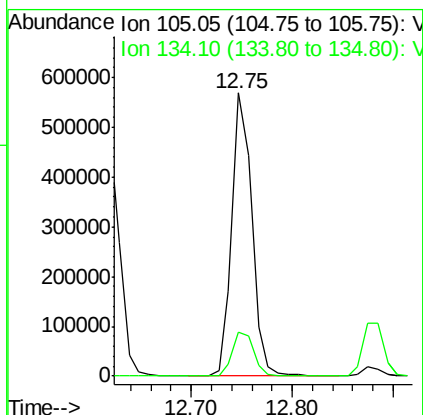
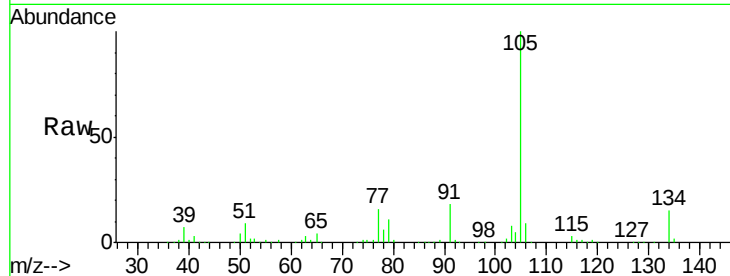




#85
 sec-Butylbenzene
 Concen: 20.46 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

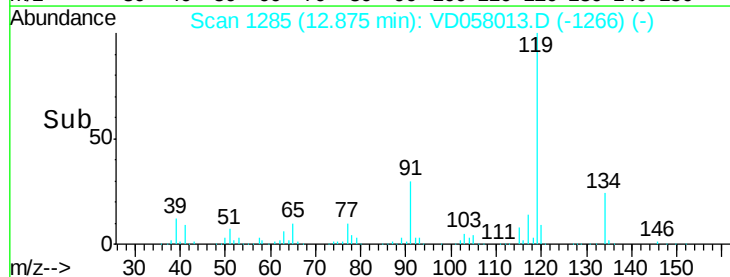
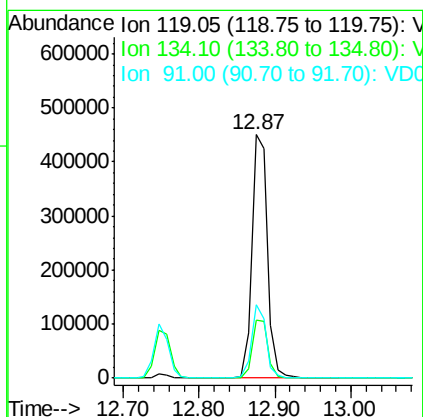
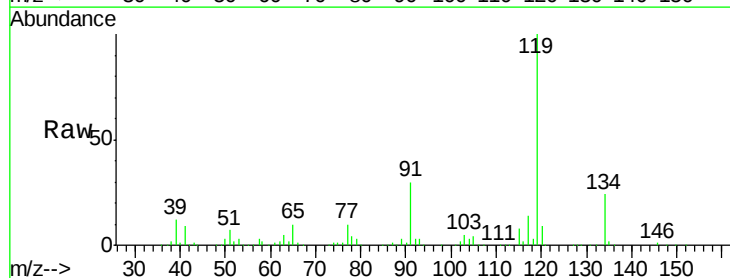
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

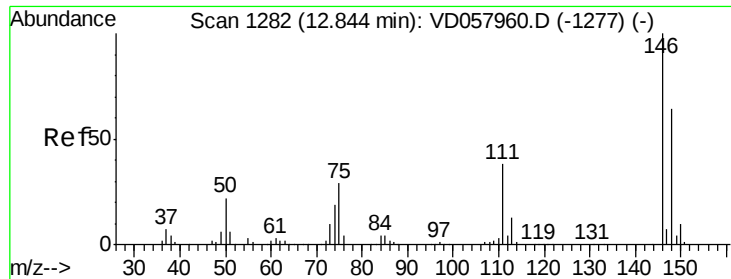
Tot Ion:105 Resp: 779218
 Ion Ratio Lower Upper
 105 100
 134 15.4 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 20.99 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion:119 Resp: 644185
 Ion Ratio Lower Upper
 119 100
 134 23.6 11.5 34.4
 91 30.0 14.5 43.6

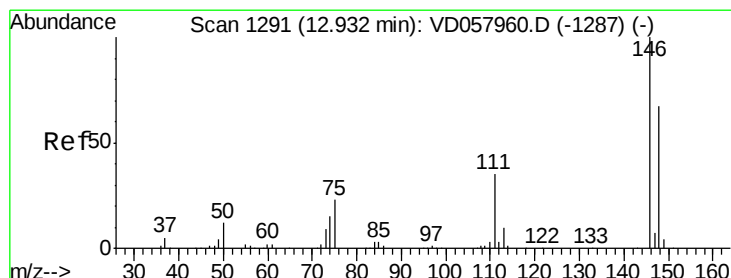
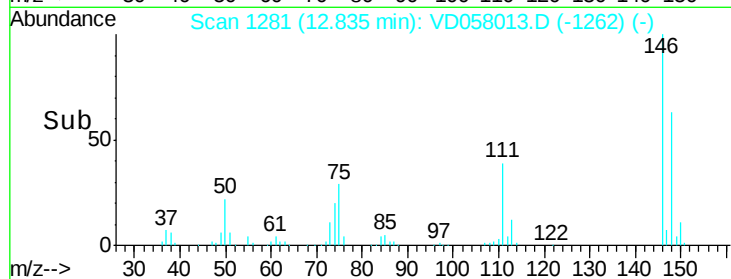
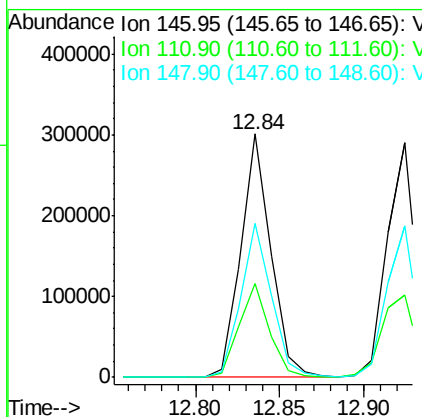
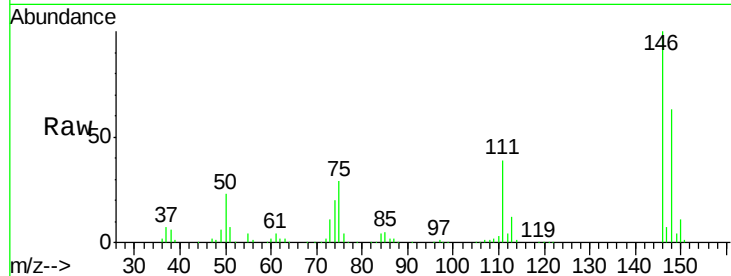




#87
 1,3-Dichlorobenzene
 Concen: 20.80 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

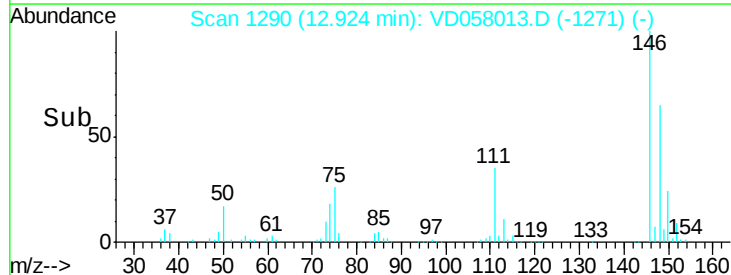
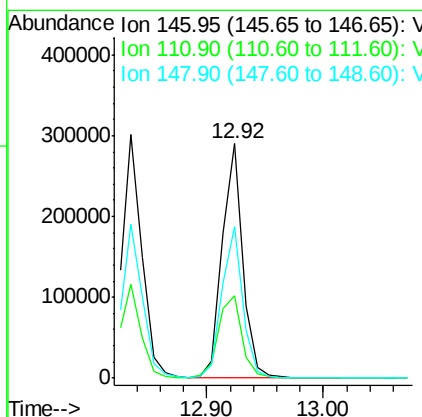
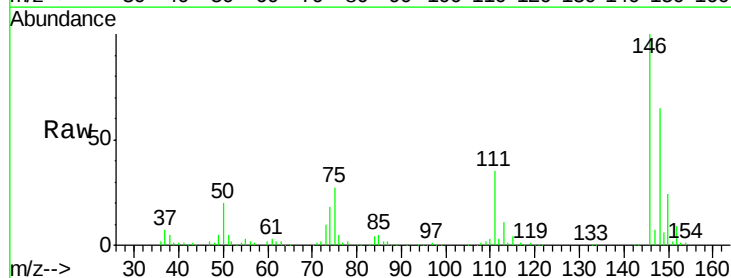
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

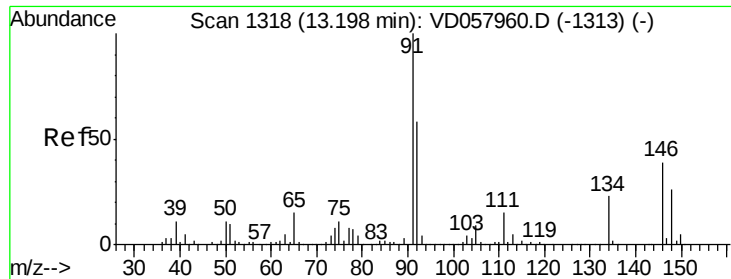
Tot Ion:146 Resp: 373080
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.3
 148 63.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion:146 Resp: 354493
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.3 52.0
 148 64.8 33.4 100.2

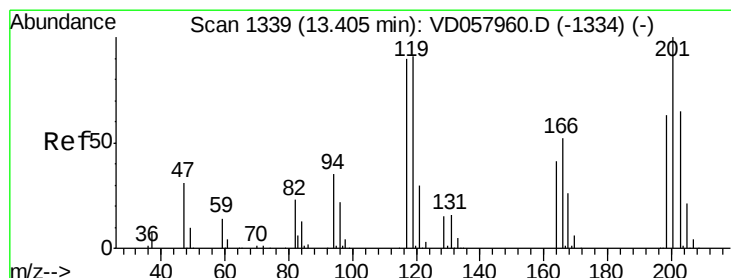
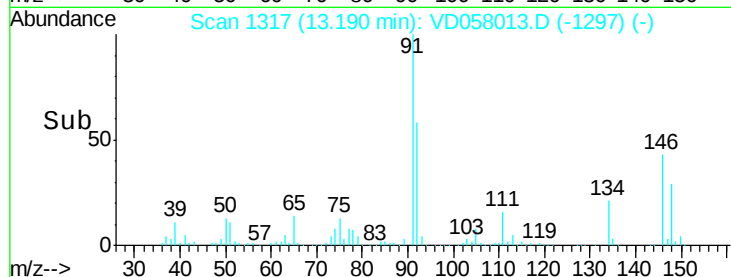
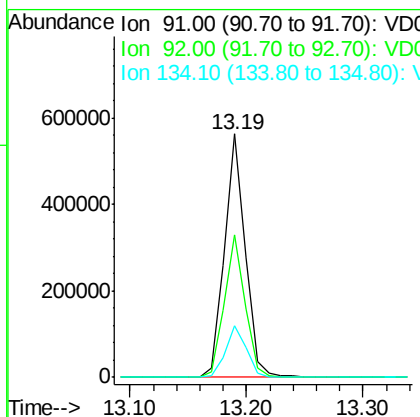
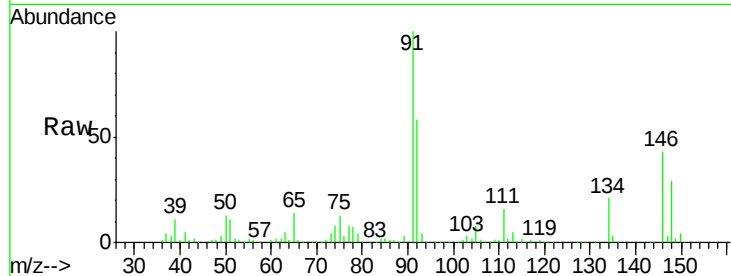




#89
n-Butylbenzene
Concen: 22.79 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

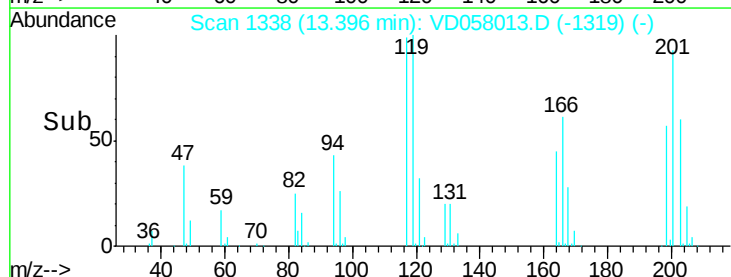
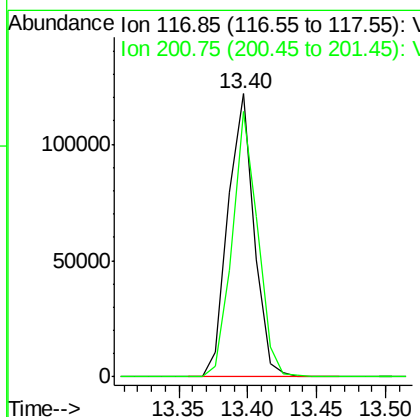
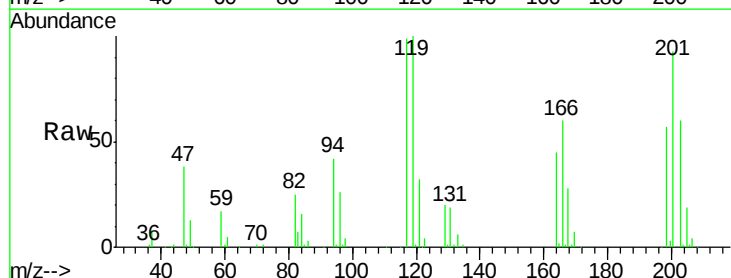
Instrument :
MSVOA_D
ClientSampleId :
VD0608SBS01

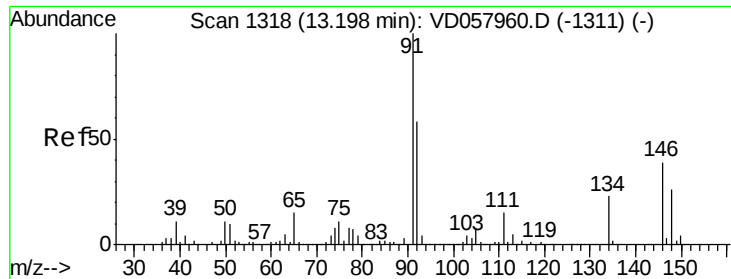
Tot Ion: 91 Resp: 696099
Ion Ratio Lower Upper
91 100
92 58.3 29.2 87.6
134 20.9 11.3 33.9



#90
Hexachloroethane
Concen: 20.36 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058013.D
Acq: 8 Jun 2018 13:00

Tgt Ion: 117 Resp: 159518
Ion Ratio Lower Upper
117 100
201 94.0 55.4 166.0

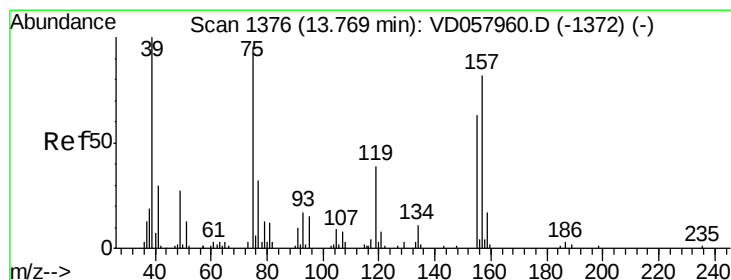
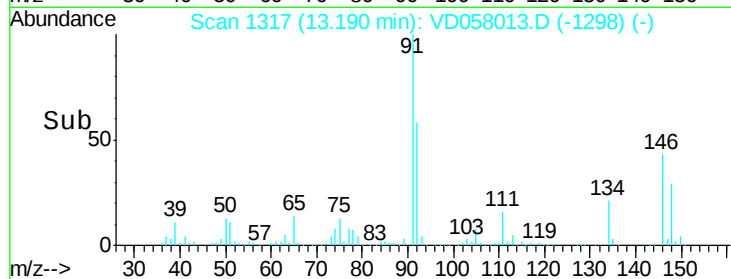
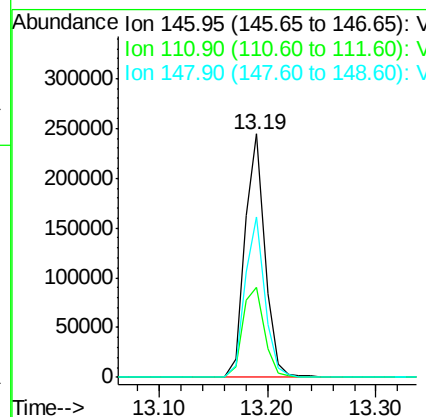
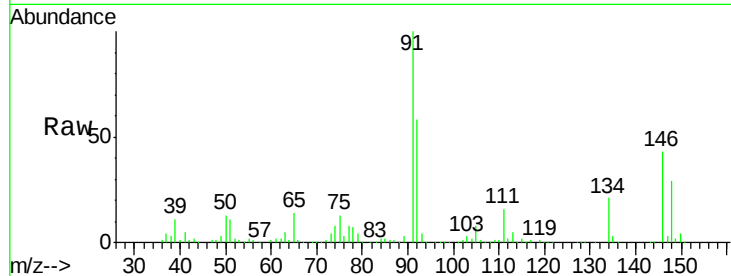




#91
 1,2-Dichlorobenzene
 Concen: 21.65 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

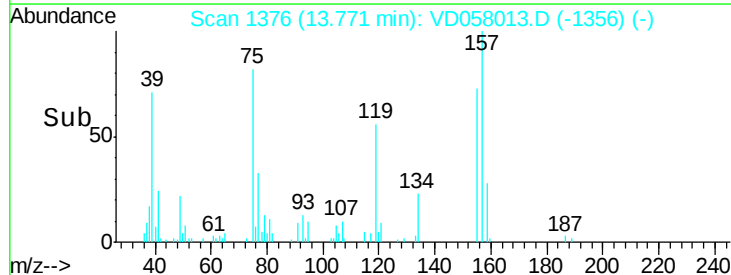
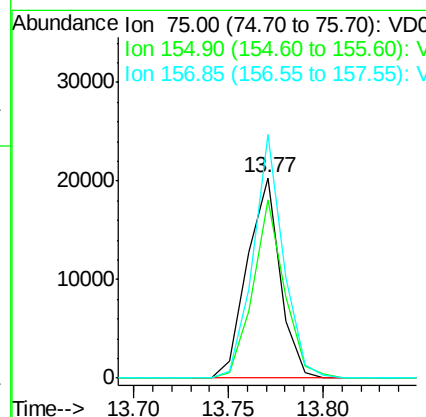
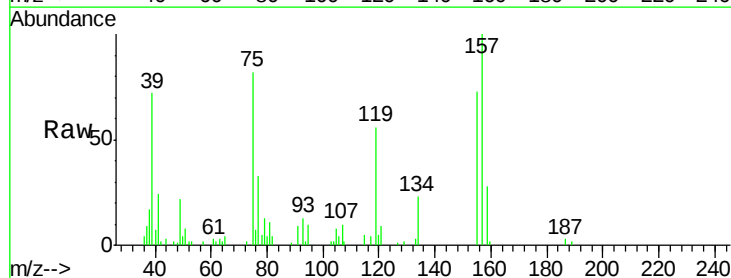
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

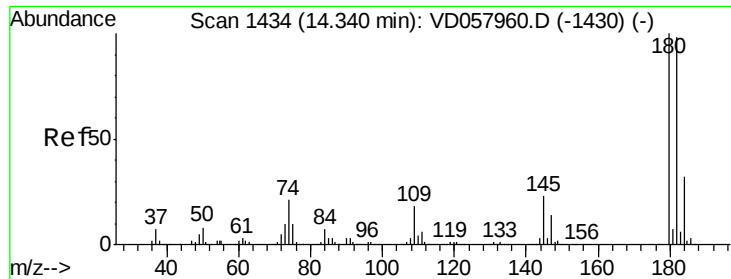
Tot Ion:146 Resp: 313907
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.4 58.2
 148 65.9 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.23 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion: 75 Resp: 24394
 Ion Ratio Lower Upper
 75 100
 155 89.1 33.4 100.1
 157 121.6 42.9 128.5

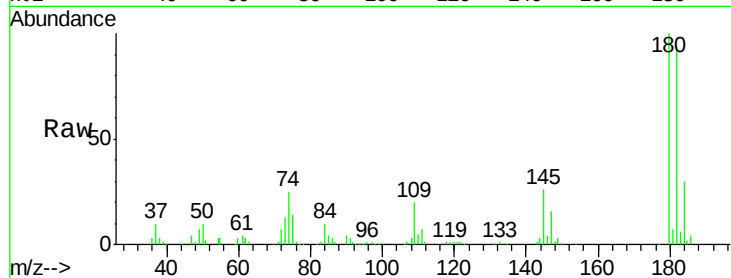




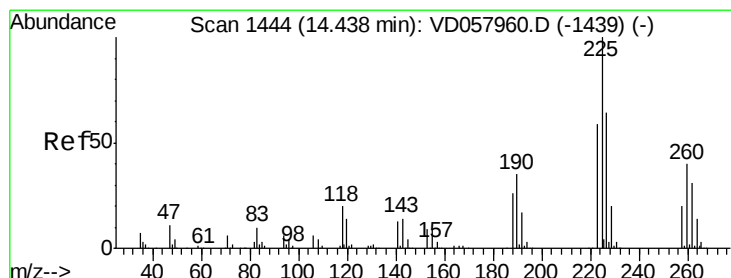
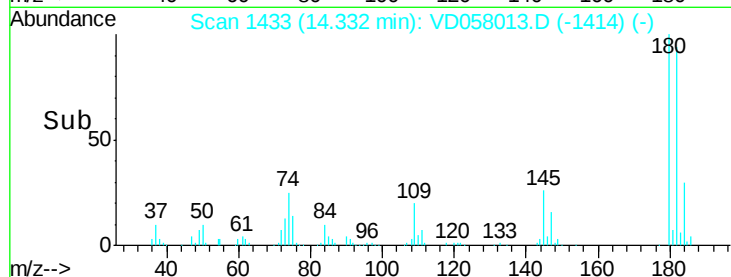
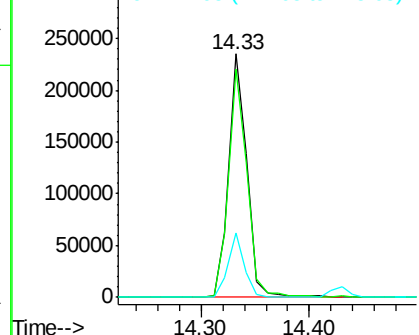
#93
 1,2,4-Trichlorobenzene
 Concen: 20.36 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0608SBS01

Tot Ion:180 Resp: 275723
 Ion Ratio Lower Upper
 180 100
 182 93.8 49.0 147.2
 145 26.3 11.8 35.3

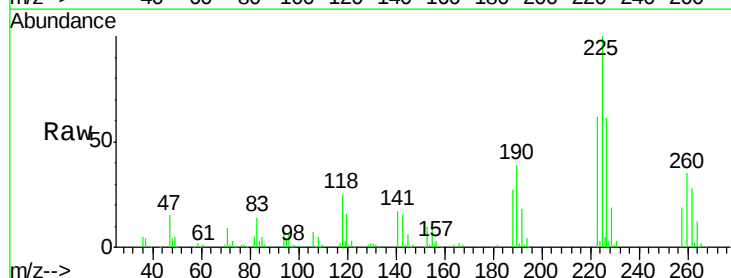


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

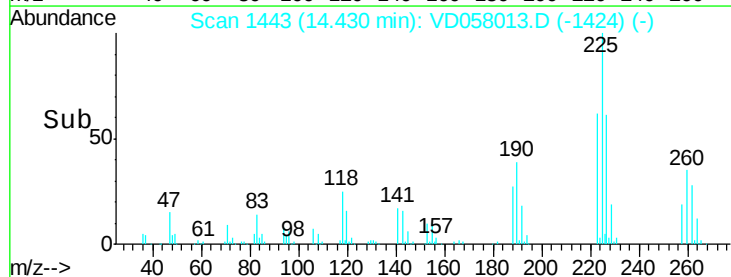
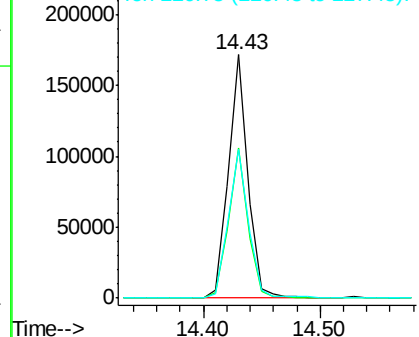


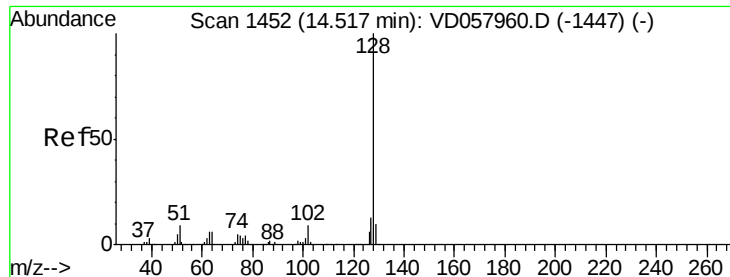
#94
 Hexachlorobutadiene
 Concen: 18.68 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058013.D
 Acq: 8 Jun 2018 13:00

Tgt Ion:225 Resp: 198972
 Ion Ratio Lower Upper
 225 100
 223 61.9 29.5 88.6
 227 61.1 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: 19.11 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD0608SBS01

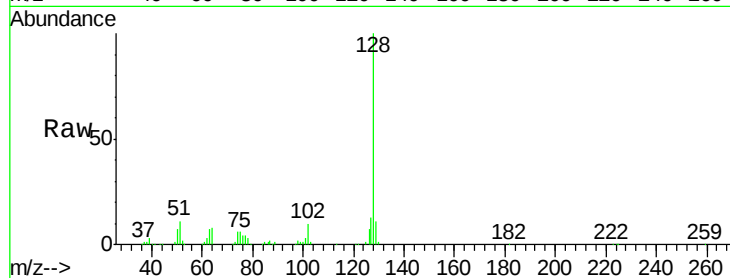
Tot Ion:128 Resp: 333740

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

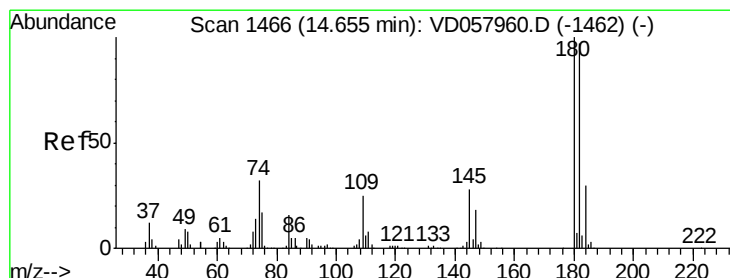
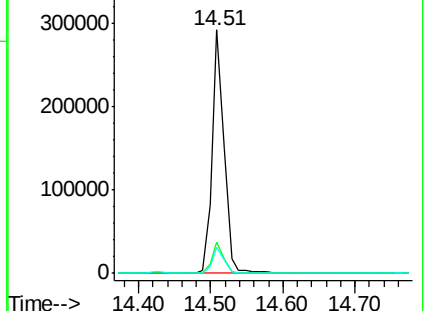
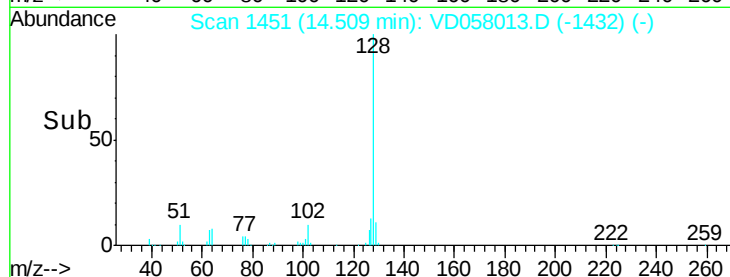
129 10.7 8.2 12.2



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: 19.44 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VD058013.D

Acq: 8 Jun 2018 13:00

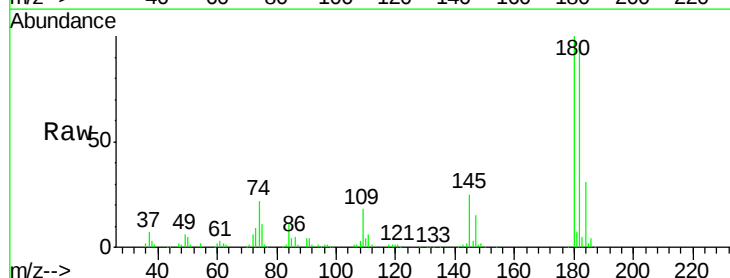
Tgt Ion:180 Resp: 224360

Ion Ratio Lower Upper

180 100

182 95.8 48.5 145.5

145 25.3 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

