

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058221.D
 Acq On : 20 Jun 2018 20:32
 Operator : VA/AP
 Sample : J3523-01
 Misc : 4.44g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)

Quant Time: Jun 21 01:47:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	453761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	627365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	281060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	65182	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	263766	57.55	ug/l	0.00
Spiked Amount			Recovery	=	115.10%	
35) Dibromofluoromethane	5.65	113	493	0.10	ug/l	0.10
Spiked Amount			Recovery	=	0.20%	
50) Toluene-d8	8.71	98	583514	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.94	95	109531	21.70	ug/l	0.00
Spiked Amount			Recovery	=	43.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.52	50	5556	Below Cal	#	81
11) Tert butyl alcohol	3.27	59	1171	7.746	ug/l #	78
13) Acrolein	2.58	56	1903	22.052	ug/l	87
15) Acrylonitrile	3.37	53	4101	10.231	ug/l #	43
16) Acetone	2.61	43	149458	238.444	ug/l	97
17) Carbon Disulfide	2.75	76	36683	6.916	ug/l	97
18) Methyl Acetate	3.08	43	109572	81.968	ug/l #	65
19) Methyl tert-butyl Ether	3.39	73	11795	2.853	ug/l #	1
20) Methylene Chloride	3.06	84	12063	2.881	ug/l	87
25) 2-Butanone	4.84	43	91211	66.766	ug/l	95
29) Tetrahydrofuran	5.19	42	5021	6.905	ug/l #	81
31) Cyclohexane	5.59	56	87443	11.487	ug/l #	81
36) 1,1-Dichloropropene	5.65	75	38654	6.228	ug/l #	48
37) Ethyl Acetate	4.84	43	91211	25.794	ug/l #	75
38) Carbon Tetrachloride	5.65	117	38205	6.195	ug/l #	13
39) Methylcyclohexane	7.29	83	428416	70.871	ug/l	94
40) Benzene	6.02	78	128962	8.723	ug/l	99
41) Methacrylonitrile	5.19	41	17997	10.540	ug/l #	55
43) Isopropyl Acetate	7.65	43	107464	22.795	ug/l #	48
47) Bromodichloromethane	7.69	83	12188	1.966	ug/l #	70
48) Methyl methacrylate	7.55	41	22325	7.792	ug/l #	77
51) 4-Methyl-2-Pentanone	8.71	43	222474	72.348	ug/l #	49
52) Toluene	8.81	92	503465	59.807	ug/l	98
55) 1,1,2-Trichloroethane	9.38	97	1279902	429.733	ug/l #	17
56) Ethyl methacrylate	9.37	69	311397	87.423	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.24	63	3260	1.849	ug/l #	53
59) 2-Hexanone	9.75	43	1015962	457.237	ug/l #	36
64) Tetrachloroethene	9.53	164	8310	3.514	ug/l #	79
67) Ethyl Benzene	10.86	91	4964710	534.899	ug/l	99
68) m/p-Xylenes	11.03	106	5454518	1762.246	ug/l	99
69) o-Xylene	11.42	106	1923958	650.811	ug/l	90
70) Styrene	11.42	104	111384	22.080	ug/l #	1
73) Isopropylbenzene	11.78	105	259313	66.510	ug/l	99
74) N-amyl acetate	11.60	43	276053	183.118	ug/l #	51

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

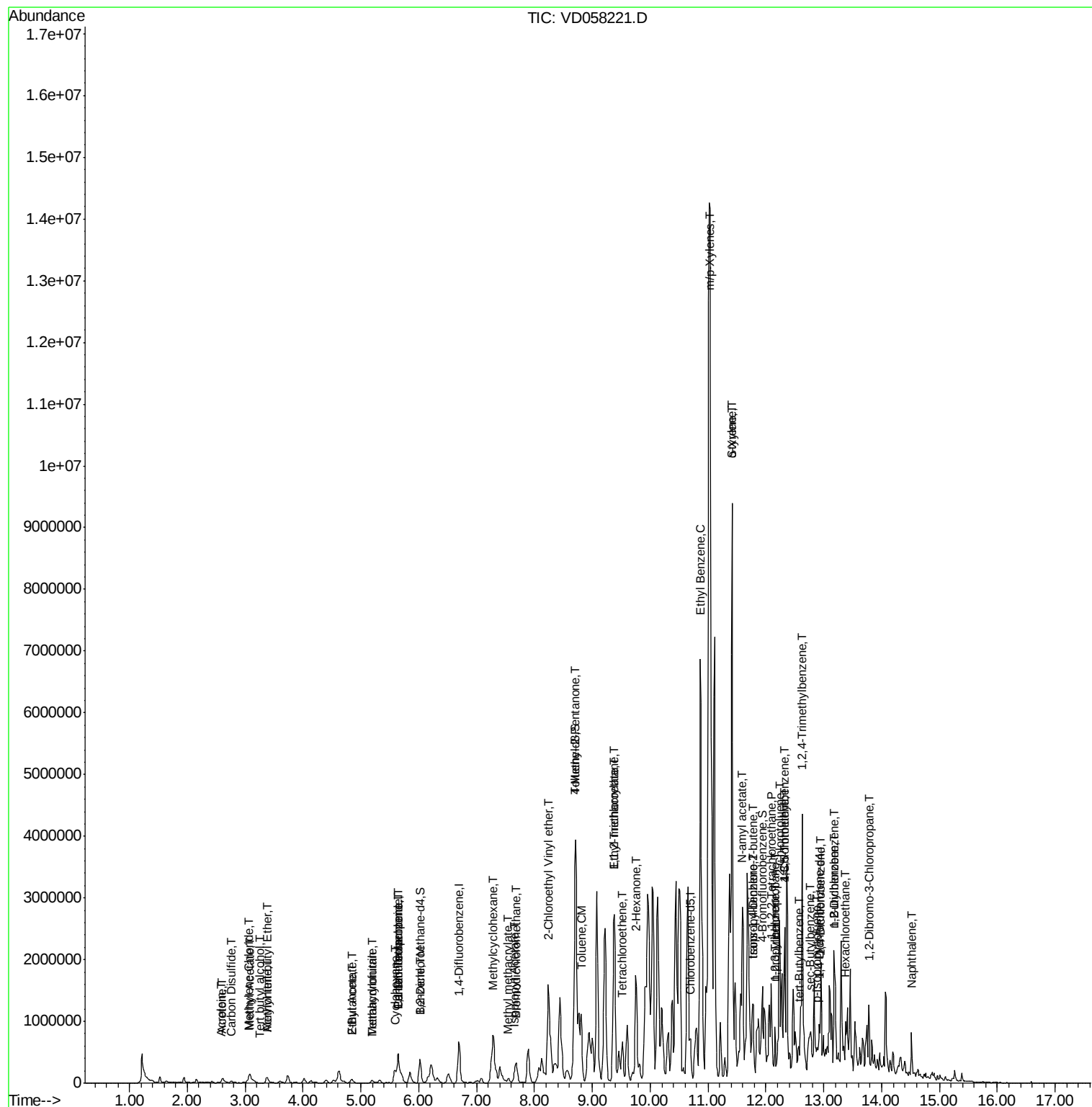
75) 1,1,2,2-Tetrachloroethane	12.10	83	97789	107.779	ug/l #	40
76) 1,2,3-Trichloropropane	12.15	75	3259	3.424	ug/l #	1
78) n-propylbenzene	12.15	91	469060	93.161	ug/l	97
79) 2-Chlorotoluene	12.23	91	221600	76.913	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.32	105	843150	277.262	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.78	75	3587	15.454	ug/l #	1
82) 4-Chlorotoluene	12.32	91	105193	35.933	ug/l #	46
83) tert-Butylbenzene	12.58	119	23021	6.585	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	1736227	525.242	ug/l	97
85) sec-Butylbenzene	12.76	105	169921	41.464	ug/l	99
86) p-Isopropyltoluene	12.89	119	126441	38.074	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	3309	1.670	ug/l #	1
89) n-Butylbenzene	13.20	91	297680	85.289	ug/l #	85
90) Hexachloroethane	13.38	117	32132	37.278	ug/l #	1
91) 1,2-Dichlorobenzene	13.20	146	1740	1.008	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.78	75	3655	25.312	ug/l #	1
95) Naphthalene	14.52	128	373310	171.592	ug/l	100

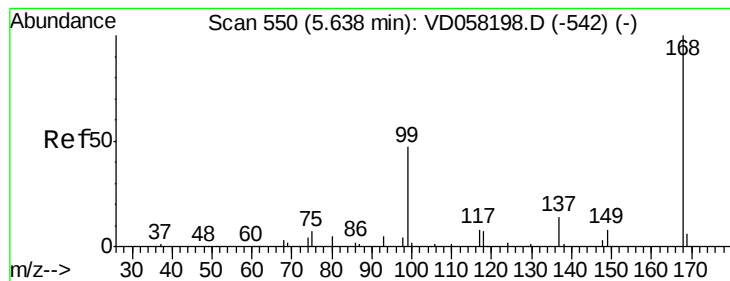
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

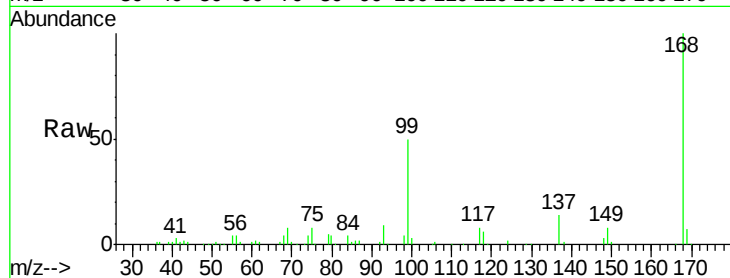
AREA1(S)

Tot Ion:168 Resp: 453761

Ion Ratio Lower Upper

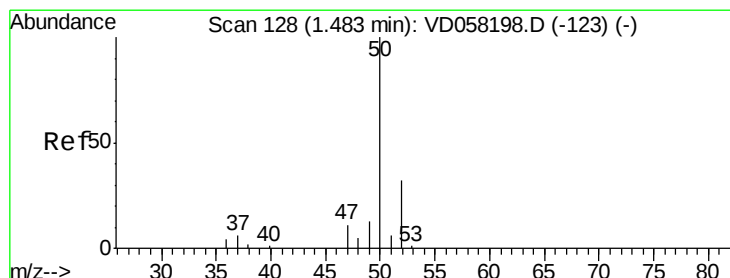
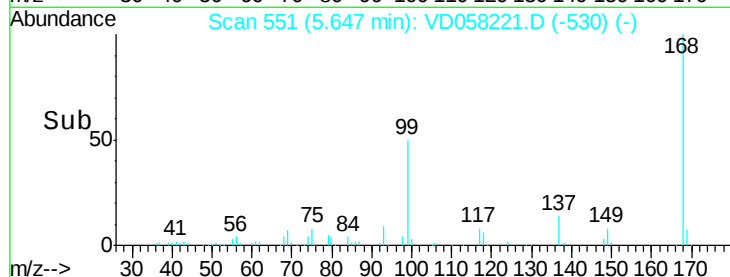
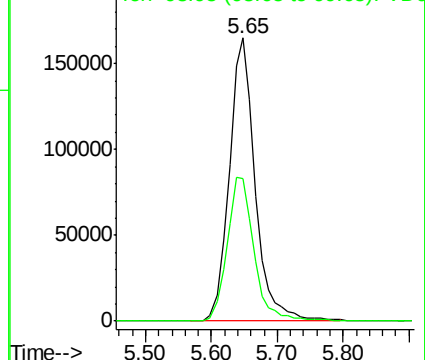
168 100

99 50.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.52 min Scan# 132

Delta R.T. 0.04 min

Lab File: VD058221.D

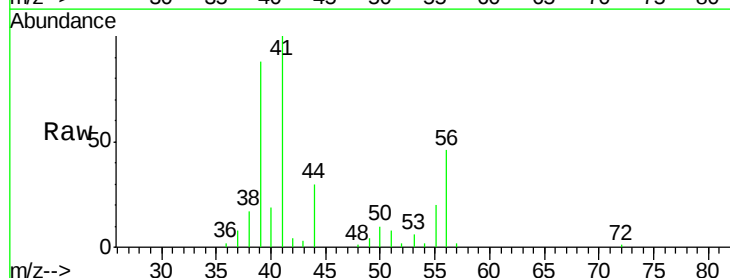
Acq: 20 Jun 2018 20:32

Tgt Ion: 50 Resp: 5556

Ion Ratio Lower Upper

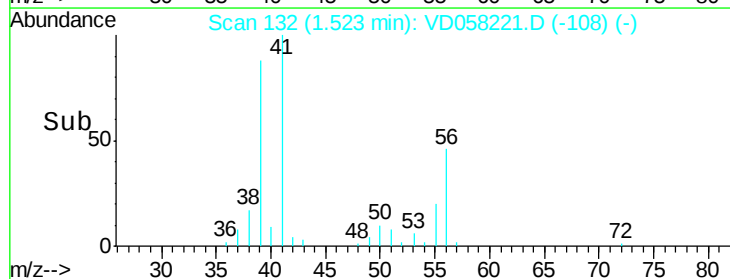
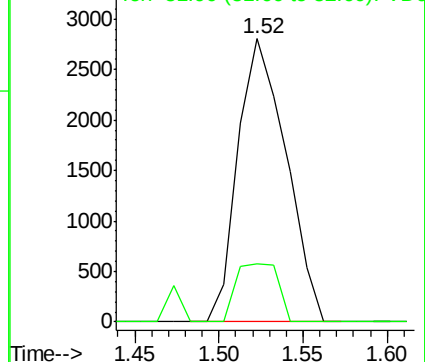
50 100

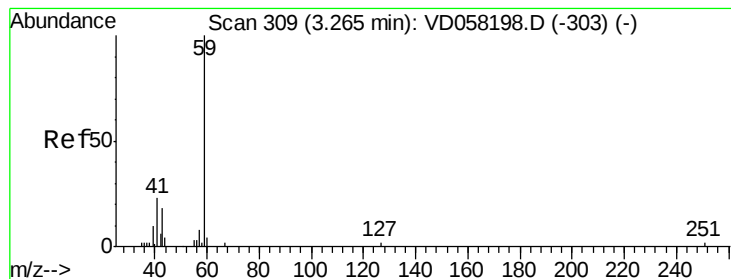
52 20.6 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



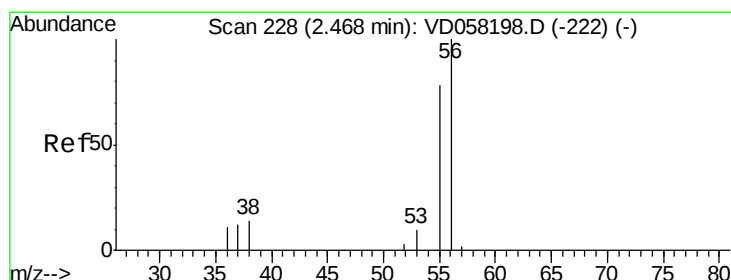
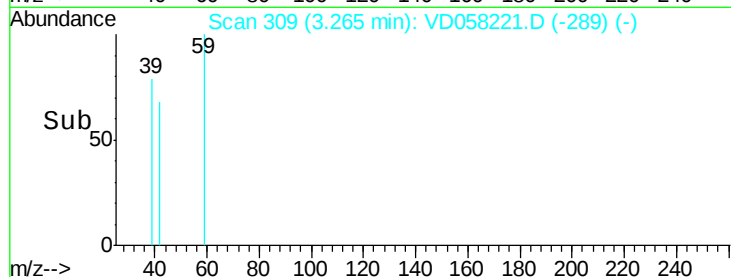
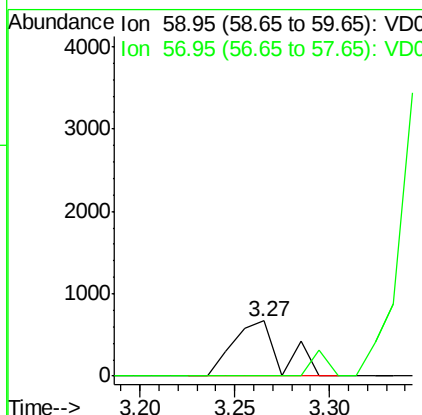
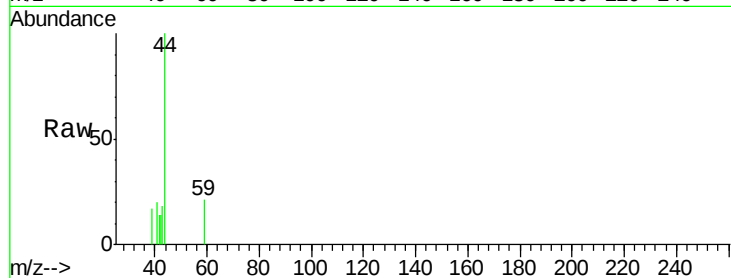


#11

Tert butyl alcohol
 Concen: 7.746 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)

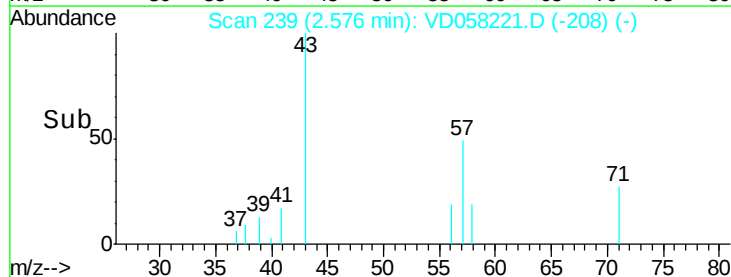
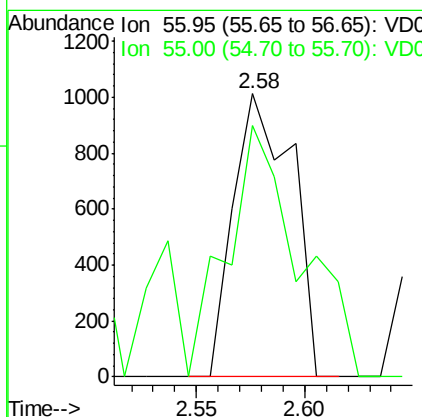
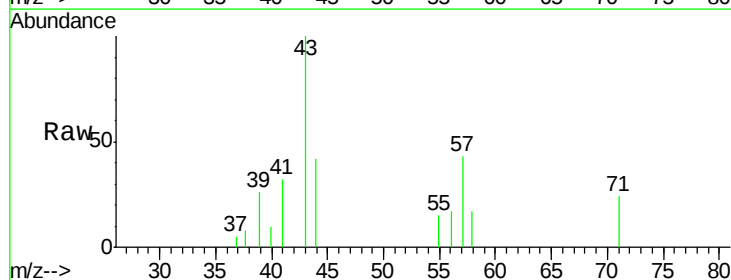
Tot Ion: 59 Resp: 1171
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

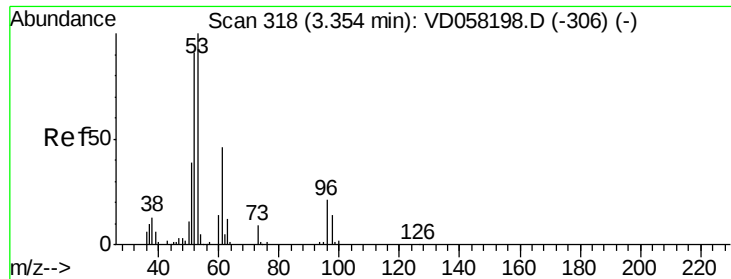


#13

Acrolein
 Concen: 22.052 ug/l
 RT: 2.58 min Scan# 239
 Delta R.T. 0.11 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Tgt Ion: 56 Resp: 1903
 Ion Ratio Lower Upper
 56 100
 55 88.8 62.1 93.1





#15

Acrylonitrile

Concen: 10.231 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)

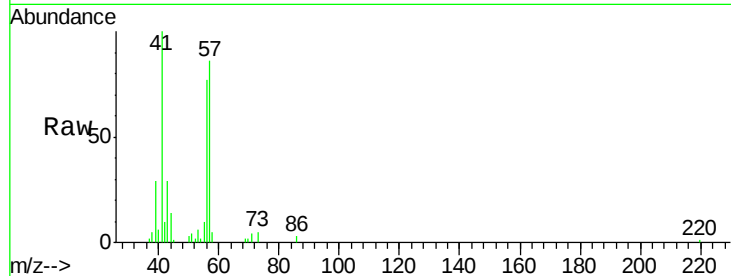
Tot Ion: 53 Resp: 4101

Ion Ratio Lower Upper

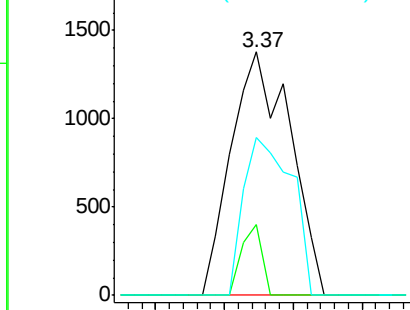
53 100

52 29.2 72.6 108.8#

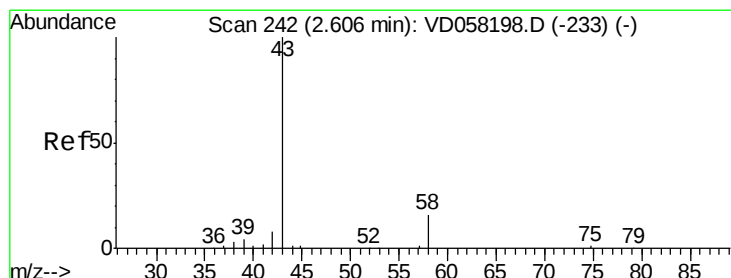
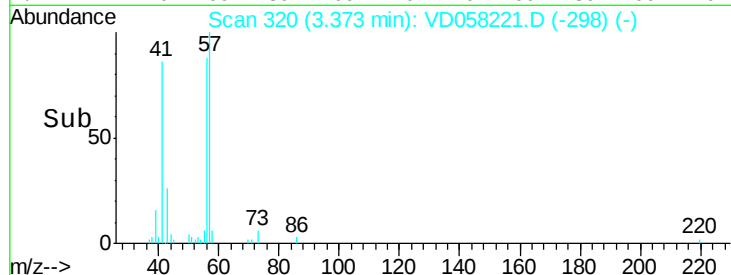
51 65.0 32.2 48.4#



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



Time-->



#16

Acetone

Concen: 238.444 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058221.D

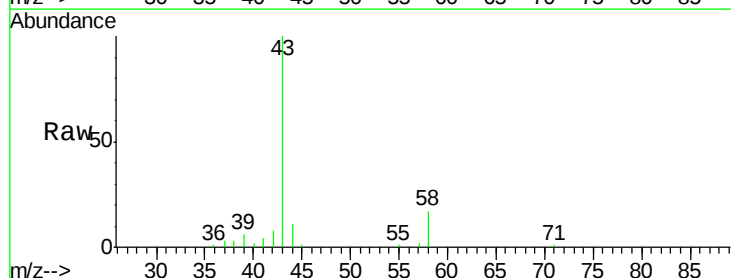
Acq: 20 Jun 2018 20:32

Tgt Ion: 43 Resp: 149458

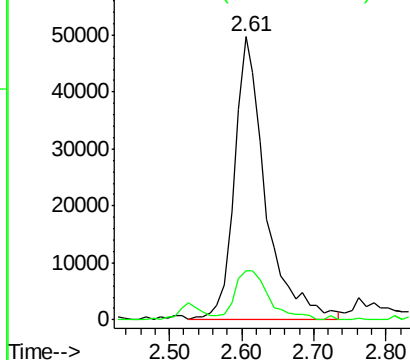
Ion Ratio Lower Upper

43 100

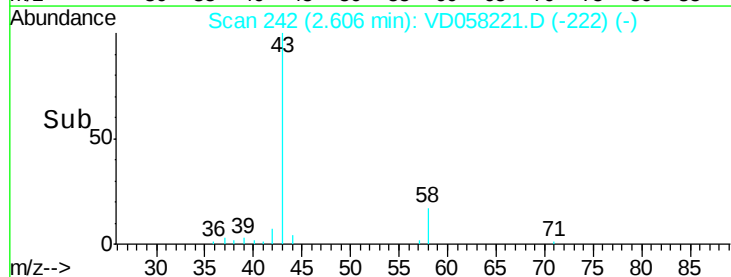
58 17.3 12.7 19.1

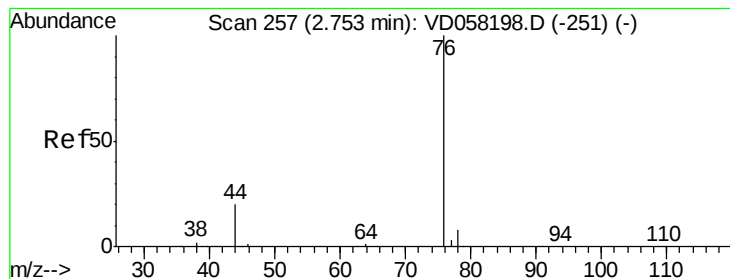


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time-->





#17

Carbon Disulfide

Concen: 6.916 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

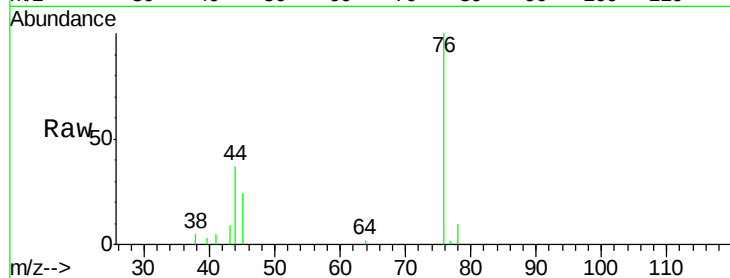
AREA1(S)

Tot Ion: 76 Resp: 36683

Ion Ratio Lower Upper

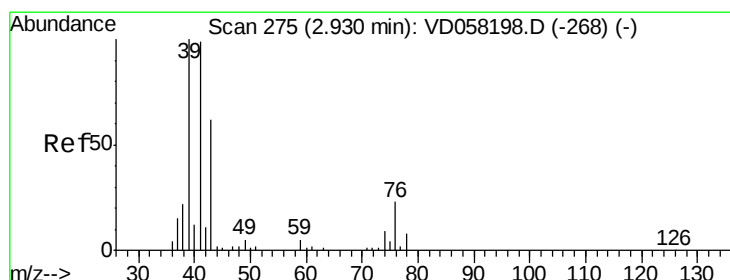
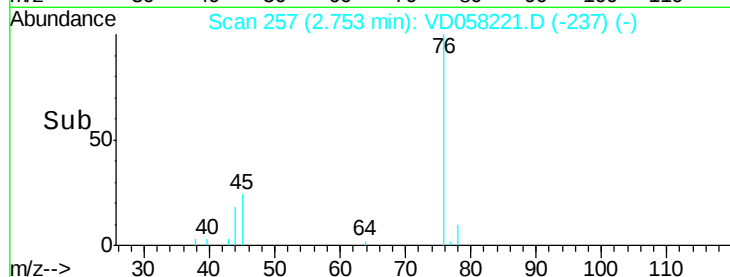
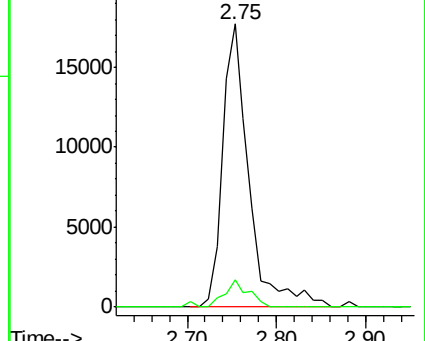
76 100

78 9.7 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 81.968 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.15 min

Lab File: VD058221.D

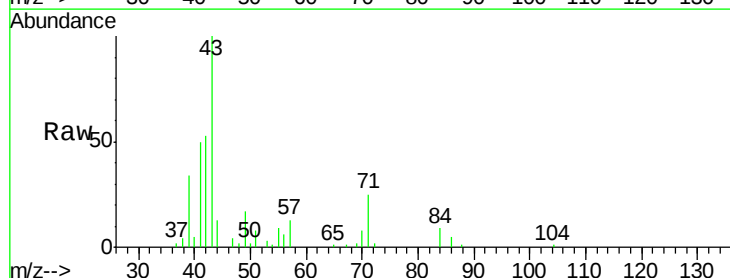
Acq: 20 Jun 2018 20:32

Tgt Ion: 43 Resp: 109572

Ion Ratio Lower Upper

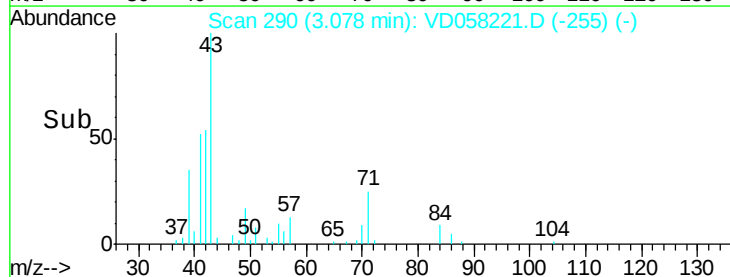
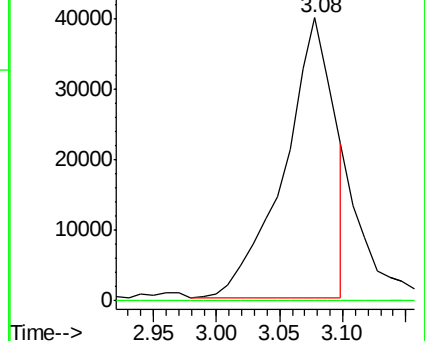
43 100

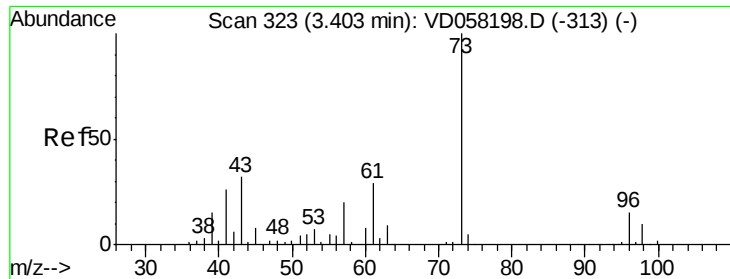
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

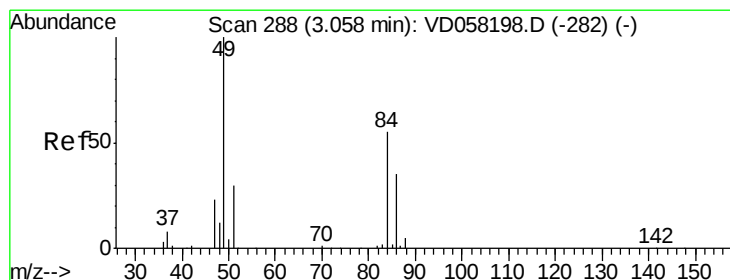
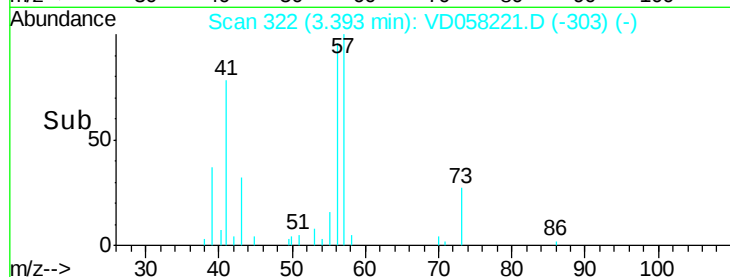
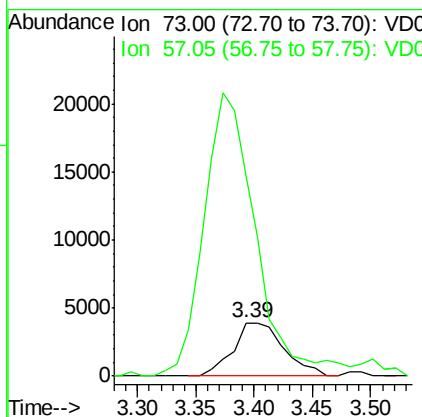
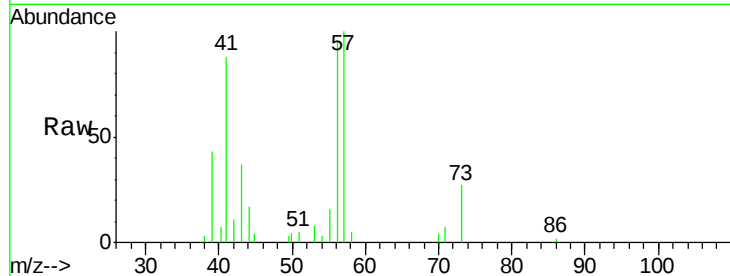




#19
Methvl tert-butvl Ether
Concen: 2.853 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.01 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

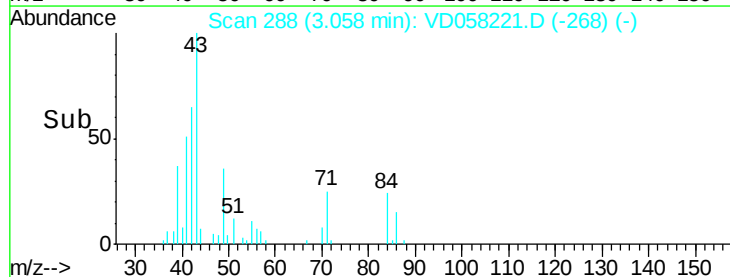
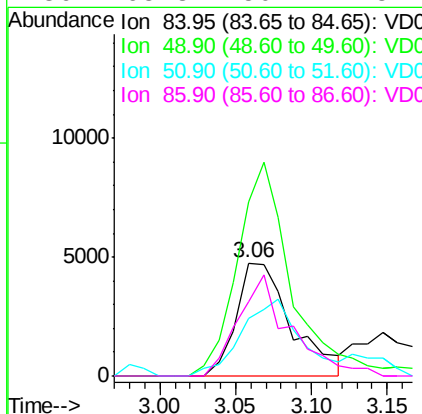
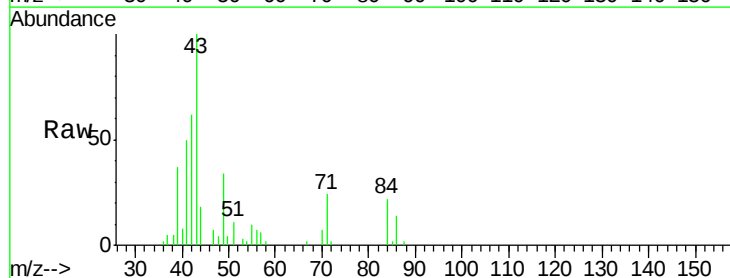
Instrument :
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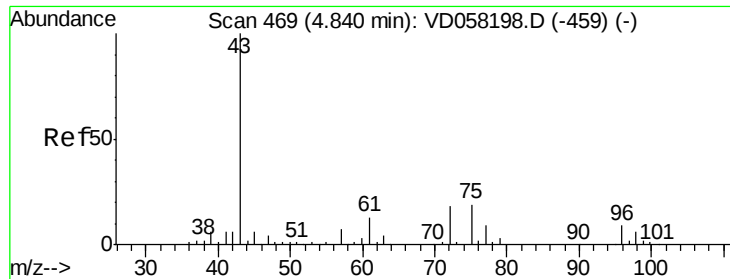
Tot Ion: 73 Resp: 11795
Ion Ratio Lower Upper
73 100
57 375.8 16.6 24.8#



#20
Methylene Chloride
Concen: 2.881 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.00 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion: 84 Resp: 12063
Ion Ratio Lower Upper
84 100
49 154.8 145.0 217.6
51 50.9 42.9 64.3
86 65.3 50.1 75.1





#25

2-Butanone

Concen: 66.766 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

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ClientSampleId :

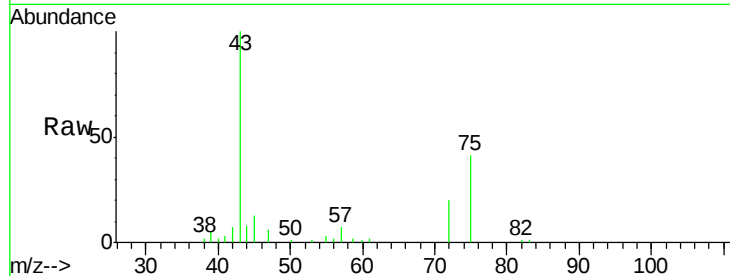
AREA1(S)

Tot Ion: 43 Resp: 91211

Ion Ratio Lower Upper

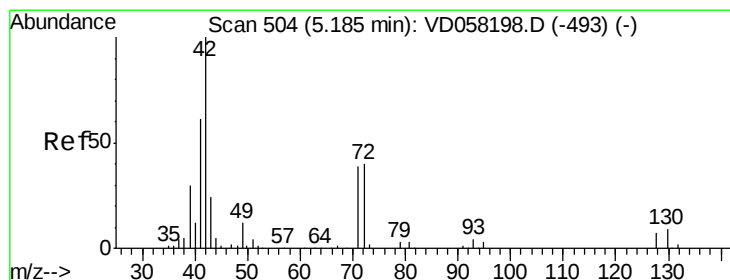
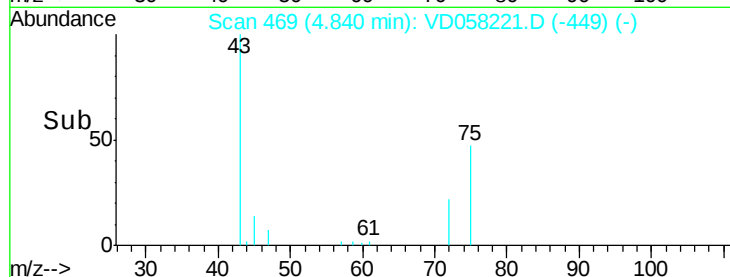
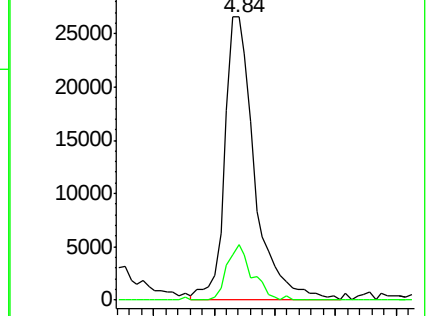
43 100

72 19.7 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 6.905 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

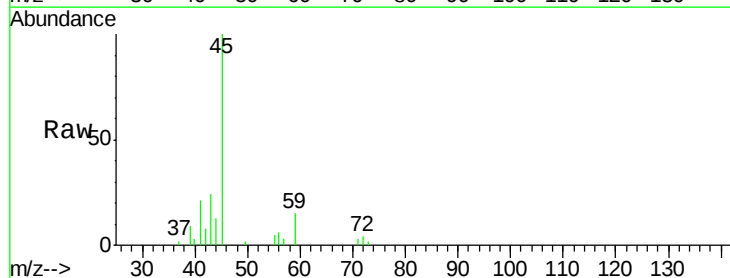
Tgt Ion: 42 Resp: 5021

Ion Ratio Lower Upper

42 100

72 31.2 30.2 45.2

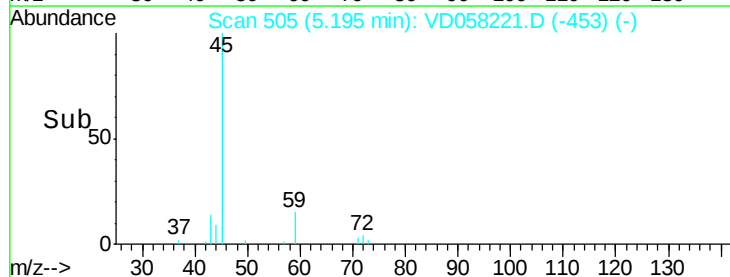
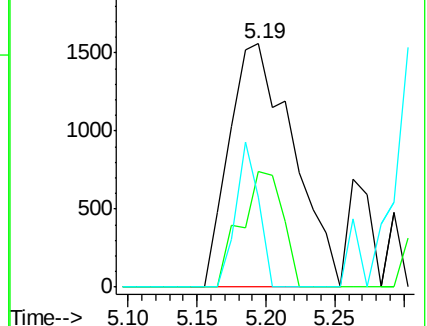
71 21.4 30.1 45.1#

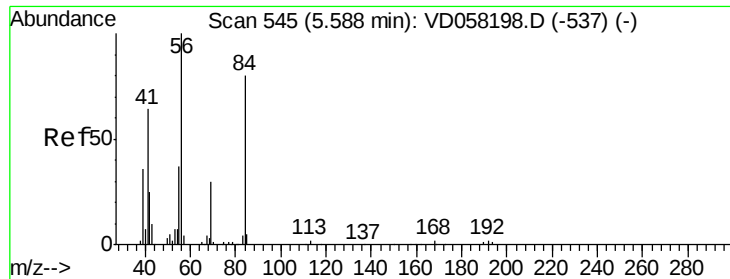


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

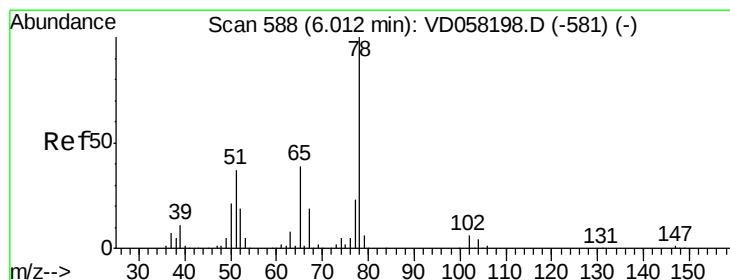
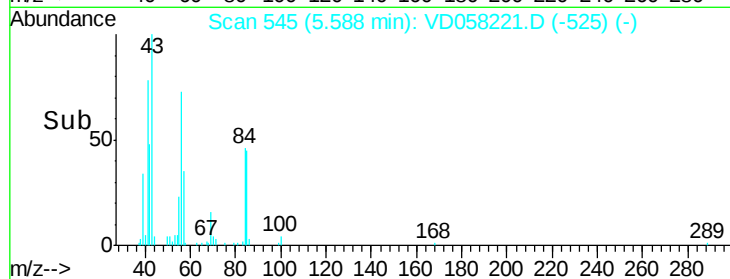
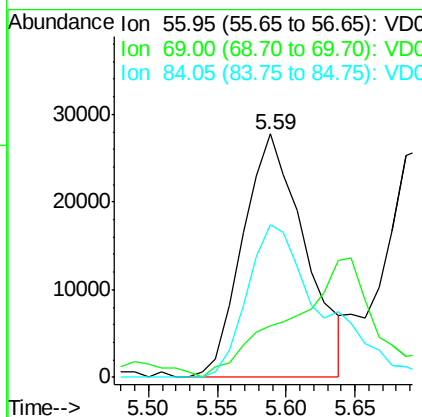
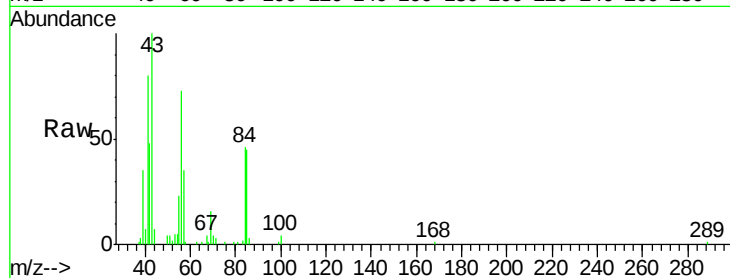




#31
Cyclohexane
Concen: 11.487 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.00 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

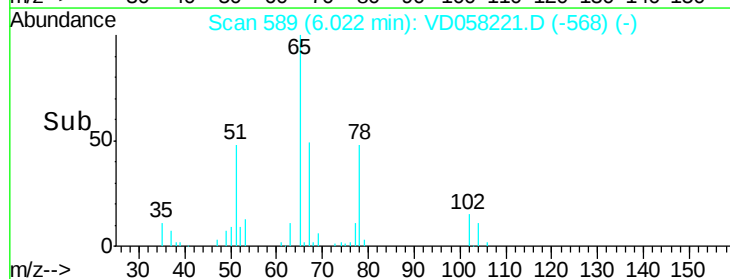
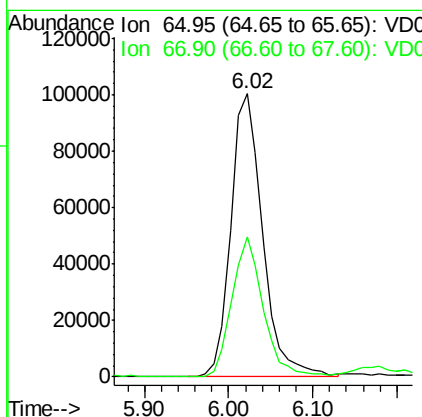
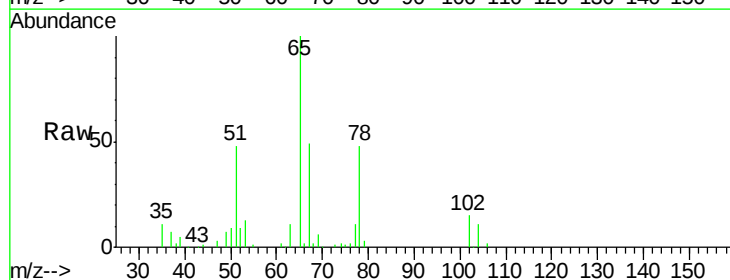
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)

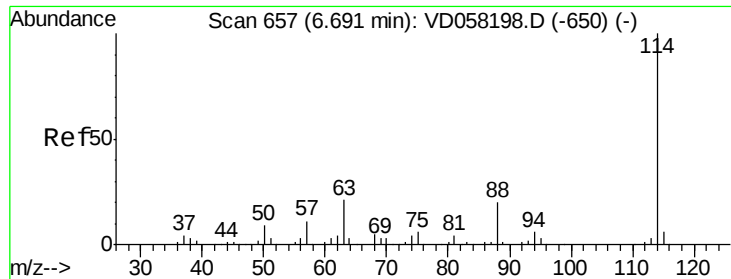
Tot Ion: 56 Resp: 87443
Ion Ratio Lower Upper
56 100
69 21.3 23.6 35.4#
84 62.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion: 65 Resp: 263766
Ion Ratio Lower Upper
65 100
67 49.3 0.0 97.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)

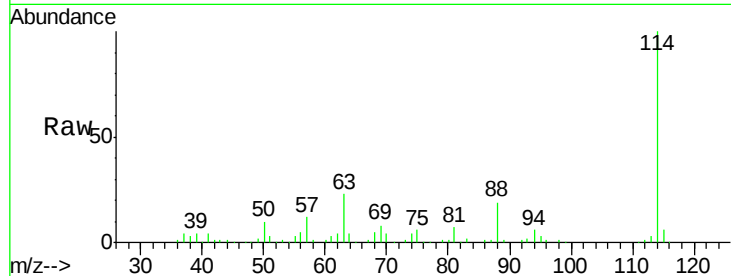
Tot Ion:114 Resp: 627365

Ion Ratio Lower Upper

114 100

63 22.9 0.0 42.6

88 18.6 0.0 40.6



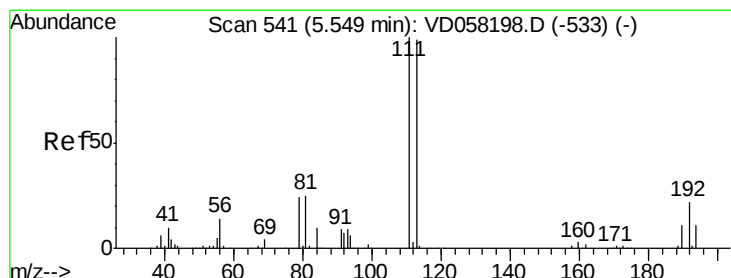
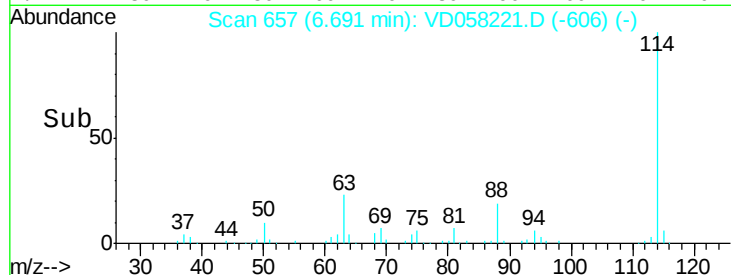
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

6.69

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.10 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

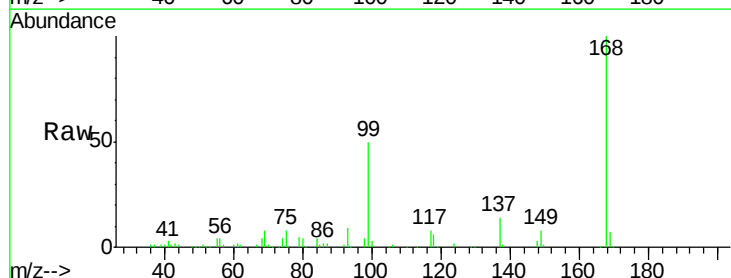
Tgt Ion:113 Resp: 493

Ion Ratio Lower Upper

113 100

111 0.0 80.6 121.0#

192 0.0 17.8 26.6#



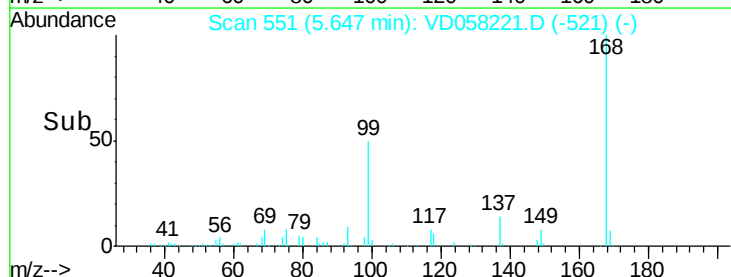
Abundance Ion 112.90 (112.60 to 113.60): V

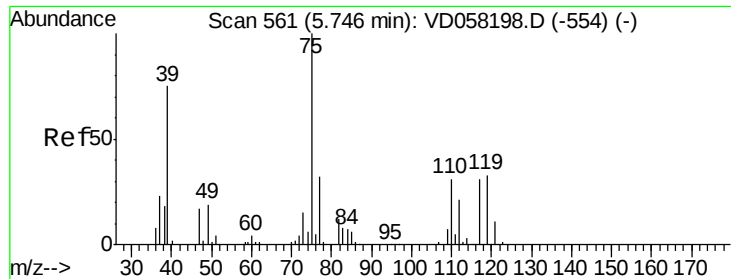
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

5.65

Time-->

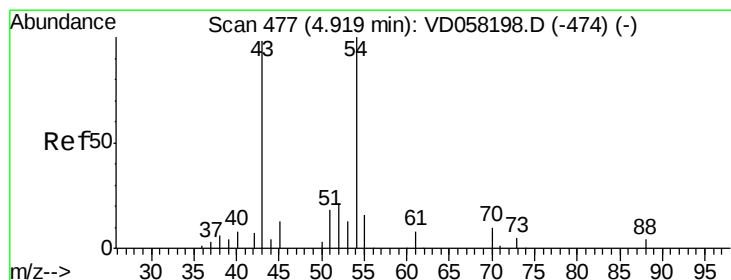
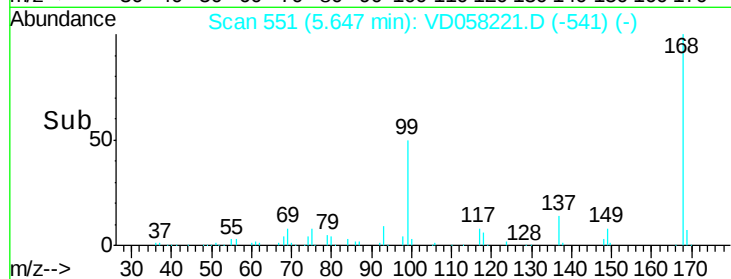
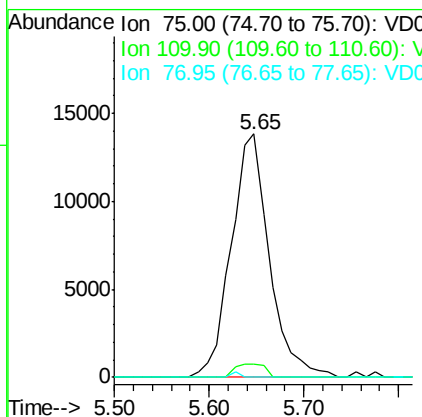
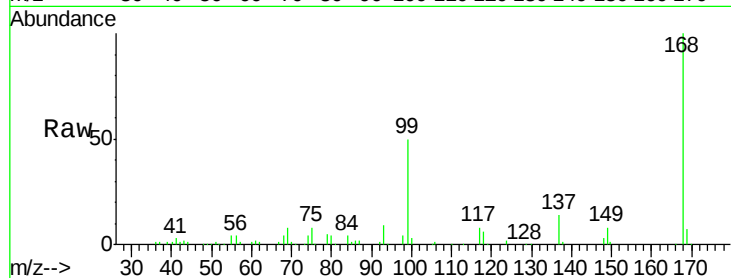




#36
 1,1-Dichloropropene
 Concen: 6.228 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

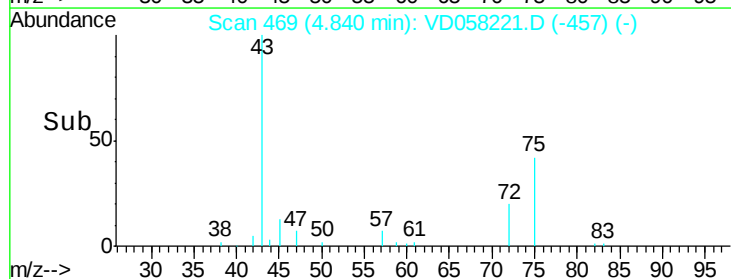
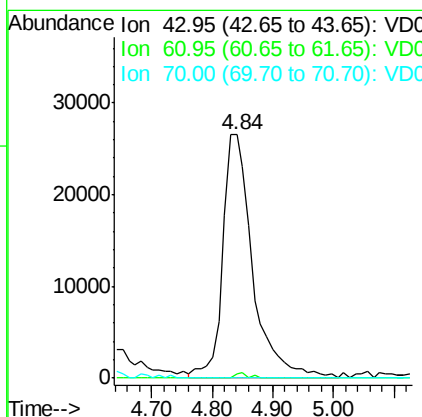
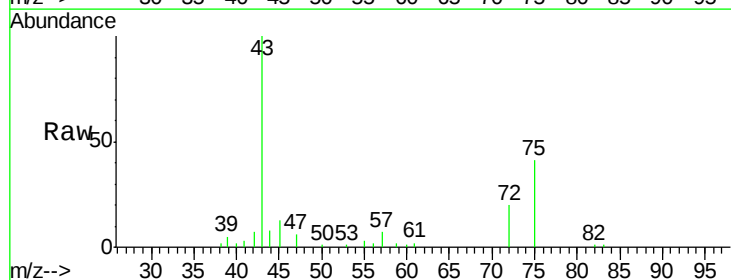
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)

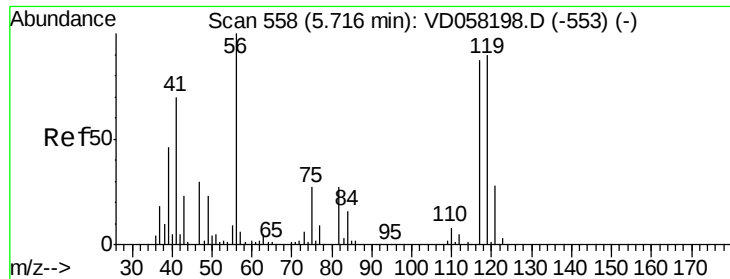
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.4	15.4	46.4#
77	0.0	25.4	38.2#



#37
 Ethyl Acetate
 Concen: 25.794 ug/l
 RT: 4.84 min Scan# 469
 Delta R.T. -0.08 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.9	10.3	15.5#
70	0.0	5.7	8.5#





#38

Carbon Tetrachloride

Concen: 6.195 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)

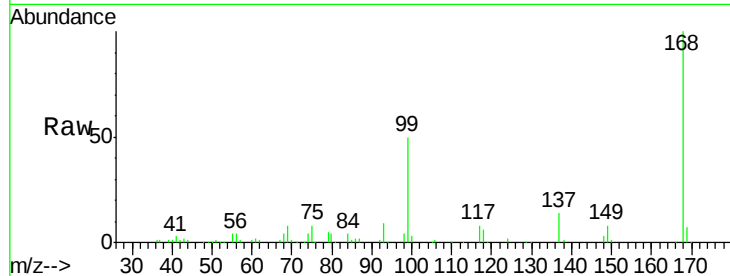
Tot Ion:117 Resp: 38205

Ion Ratio Lower Upper

117 100

119 3.2 78.8 118.2#

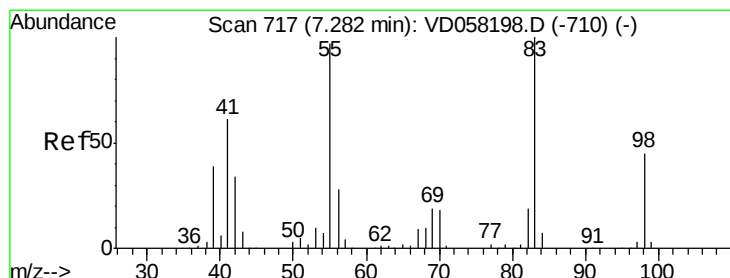
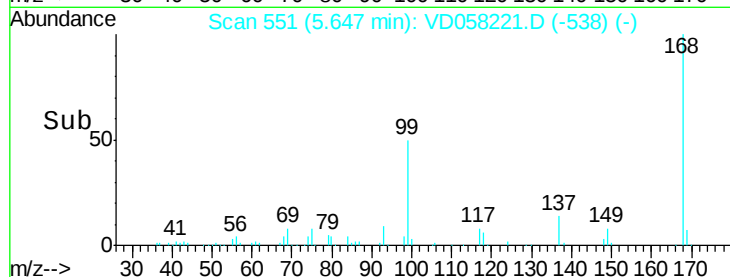
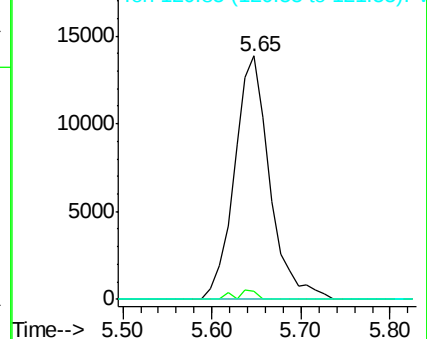
121 0.0 25.0 37.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 70.871 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

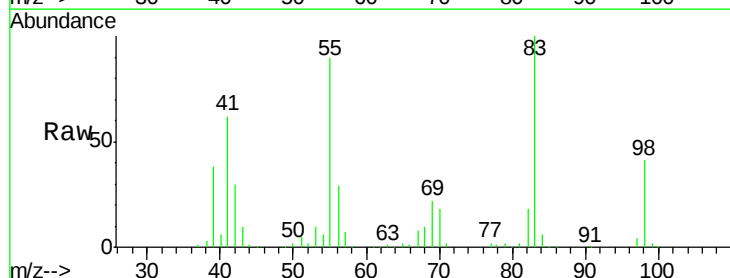
Tgt Ion: 83 Resp: 428416

Ion Ratio Lower Upper

83 100

55 90.4 77.4 116.2

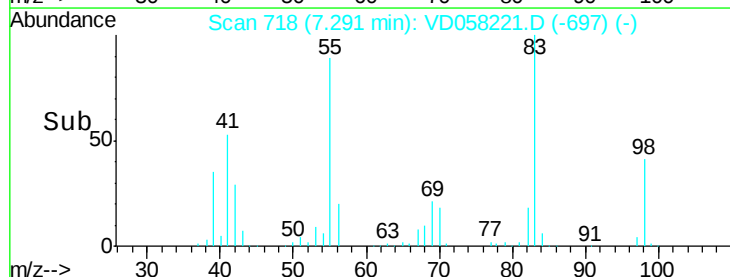
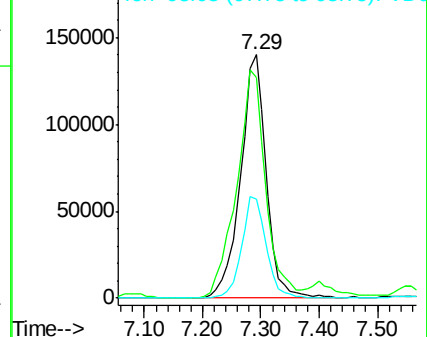
98 40.7 35.9 53.9

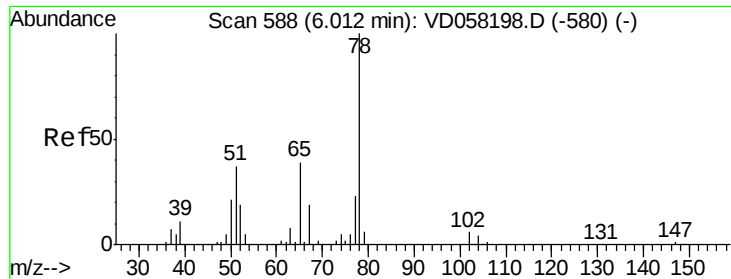


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 8.723 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampled :

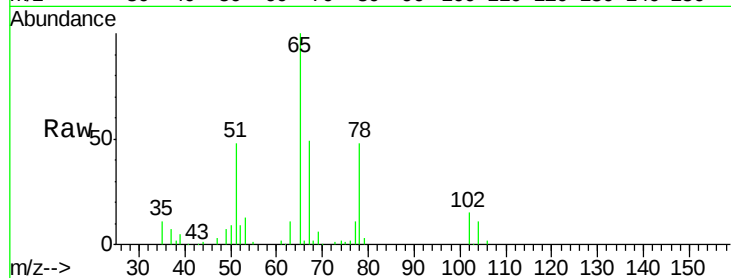
AREA1(S)

Tot Ion: 78 Resp: 128962

Ion Ratio Lower Upper

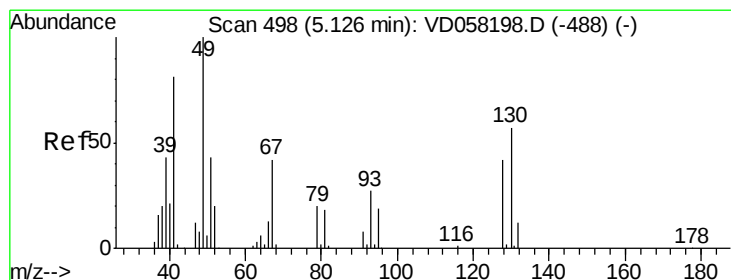
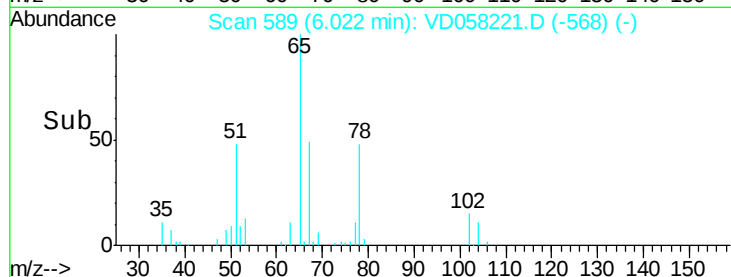
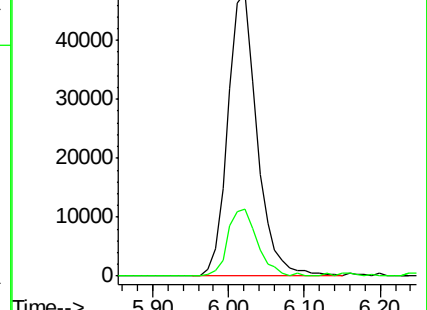
78 100

77 23.8 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 10.540 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.07 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Tgt Ion: 41 Resp: 17997

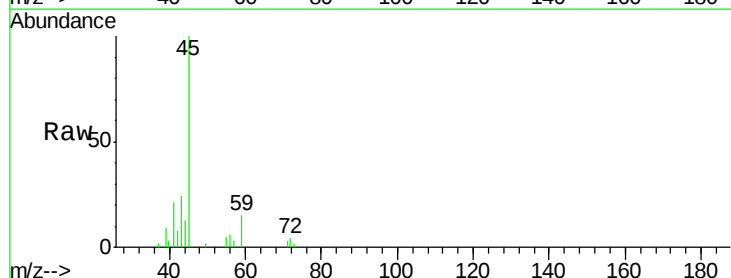
Ion Ratio Lower Upper

41 100

39 44.3 43.4 65.2

67 0.0 41.7 62.5#

52 0.0 20.6 30.8#

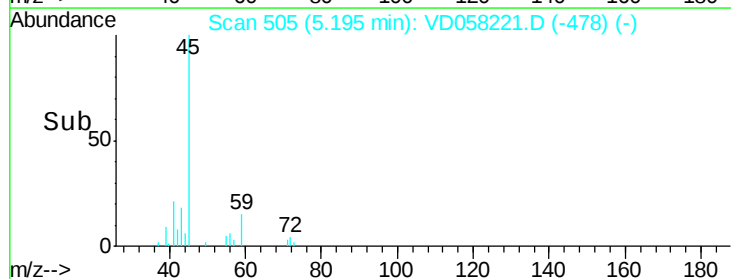
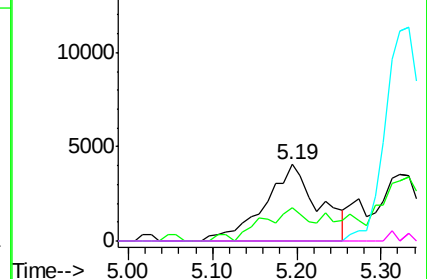


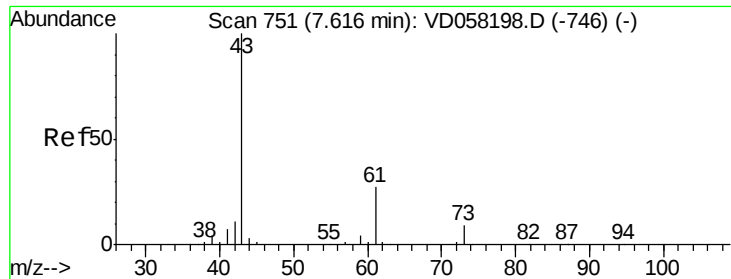
Abundance Ion 40.95 (40.65 to 41.65): VDC

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





#43

Isopropyl Acetate

Concen: 22.795 ug/l

RT: 7.65 min Scan# 754

Delta R.T. 0.03 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)

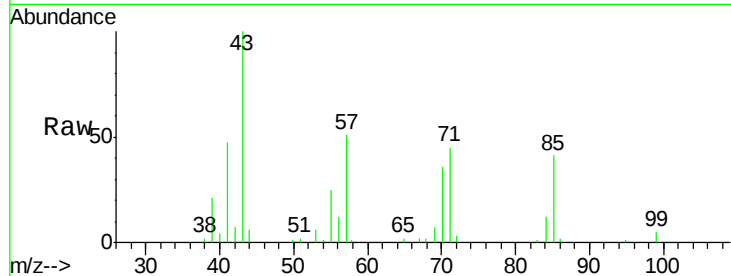
Tot Ion: 43 Resp: 107464

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

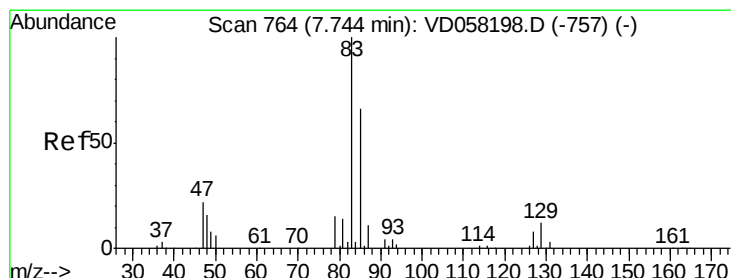
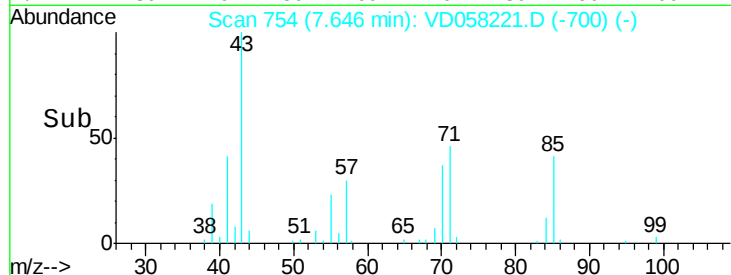
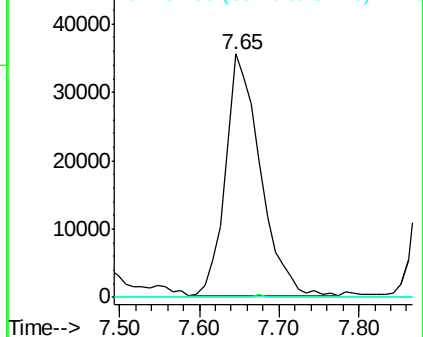
87 0.0 0.3 0.5#



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



#47

Bromodichloromethane

Concen: 1.966 ug/l

RT: 7.69 min Scan# 758

Delta R.T. -0.06 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

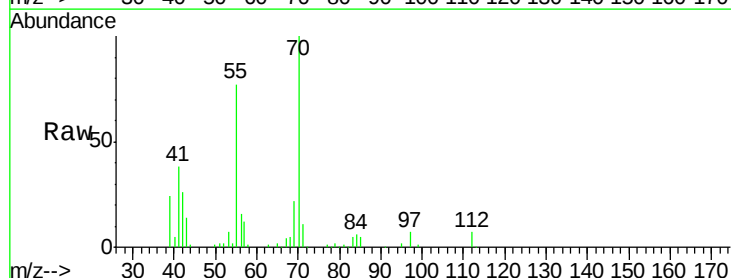
Tgt Ion: 83 Resp: 12188

Ion Ratio Lower Upper

83 100

85 90.4 52.6 78.8#

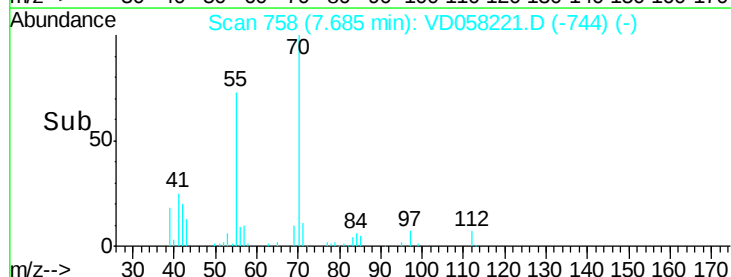
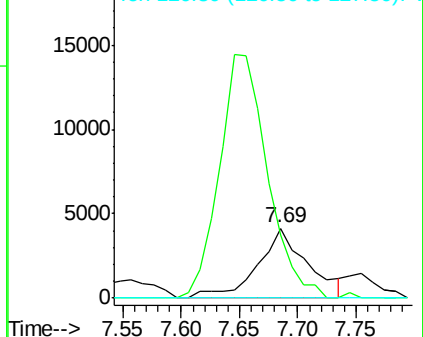
127 0.0 6.2 9.4#

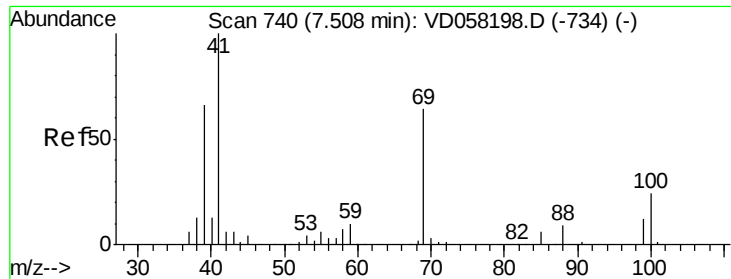


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC





#48

Methyl methacrylate

Concen: 7.792 ug/l

RT: 7.55 min Scan# 744

Delta R.T. 0.04 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :
MSVOA_D
ClientSampled :
AREA1(S)

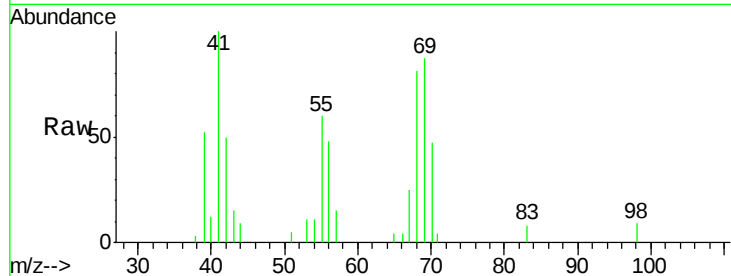
Tot Ion: 41 Resp: 22325

Ion Ratio Lower Upper

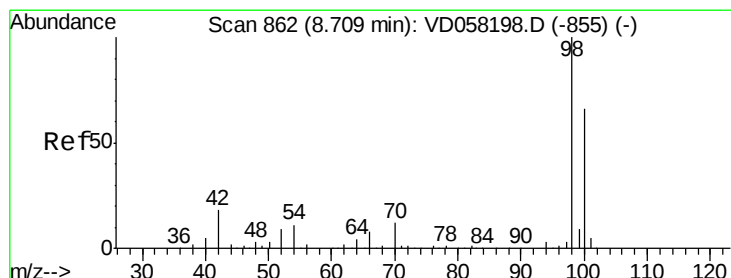
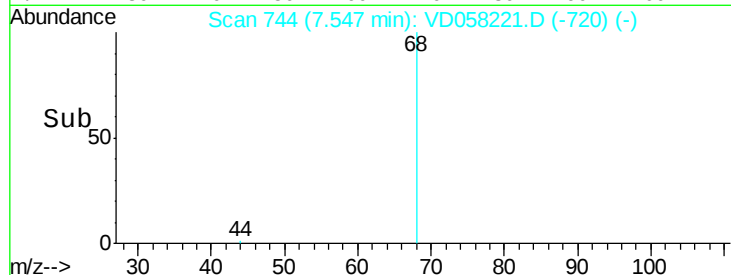
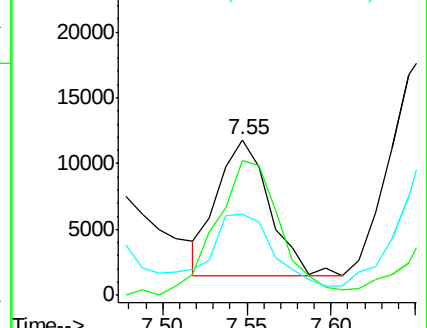
41 100

69 86.7 50.7 76.1#

39 52.1 52.6 78.8#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058221.D

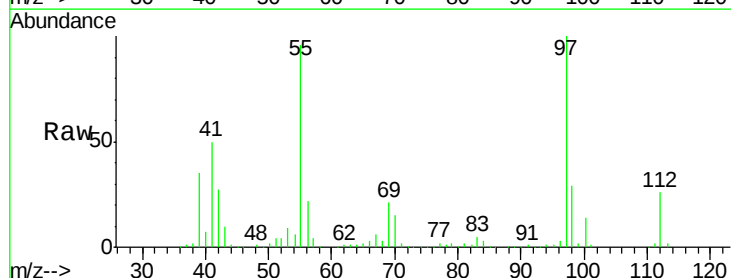
Acq: 20 Jun 2018 20:32

Tgt Ion: 98 Resp: 583514

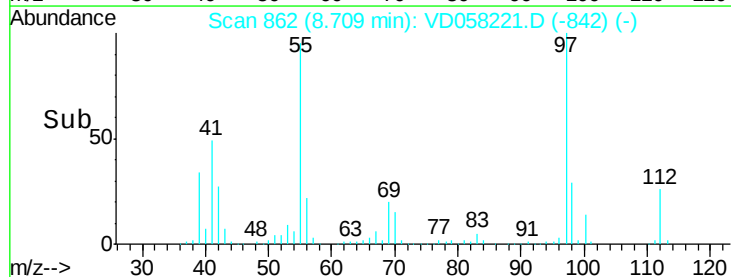
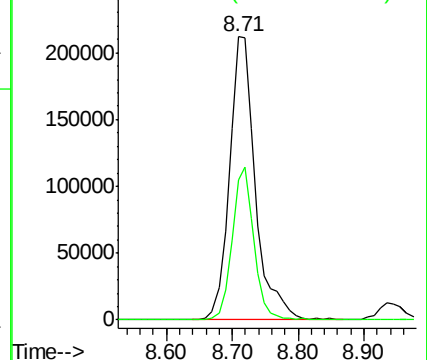
Ion Ratio Lower Upper

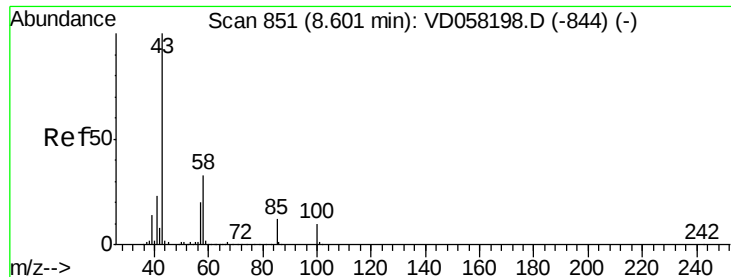
98 100

100 49.5 53.6 80.4#



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: 72.348 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

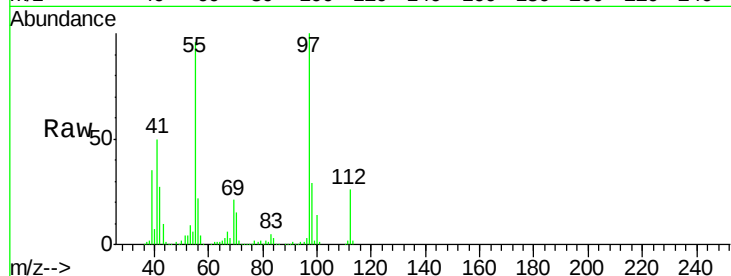
AREA1(S)

Tot Ion: 43 Resp: 222474

Ion Ratio Lower Upper

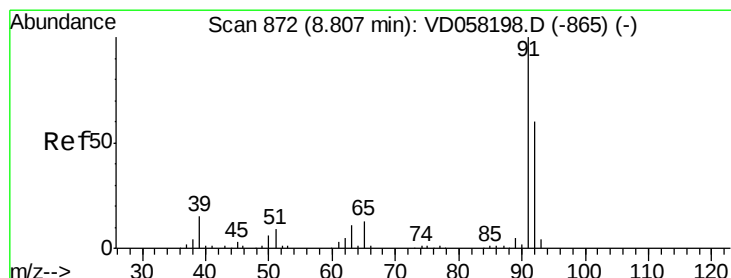
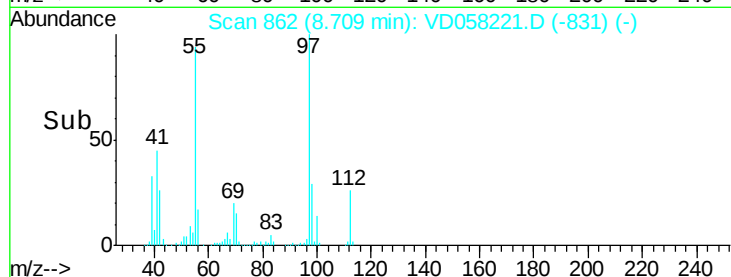
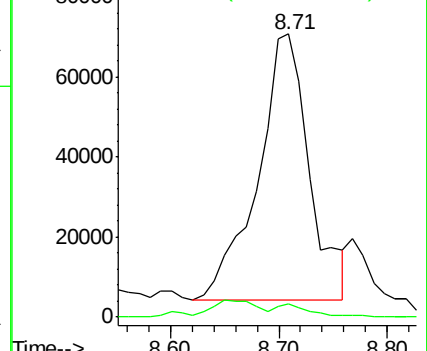
43 100

58 4.5 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 59.807 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058221.D

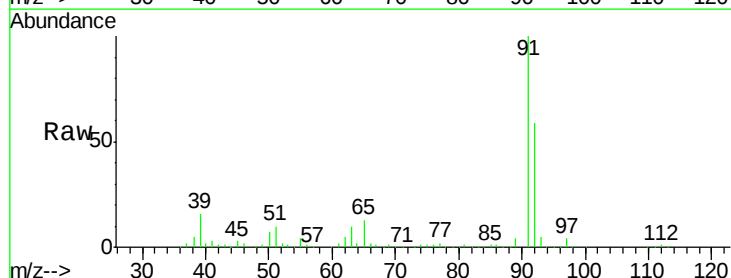
Acq: 20 Jun 2018 20:32

Tgt Ion: 92 Resp: 503465

Ion Ratio Lower Upper

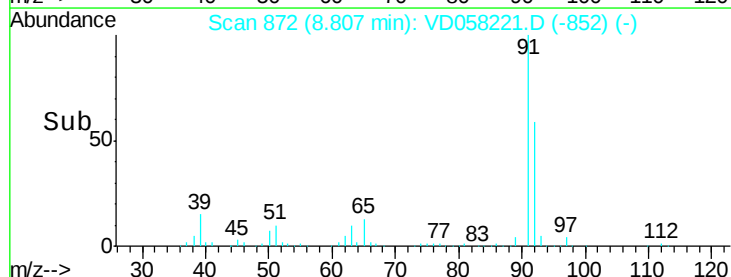
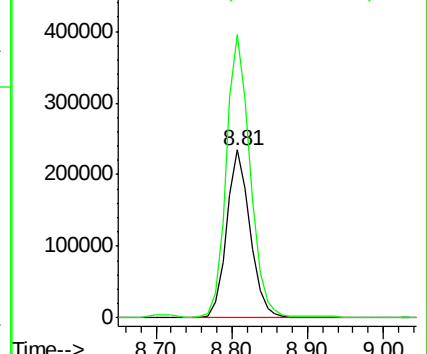
92 100

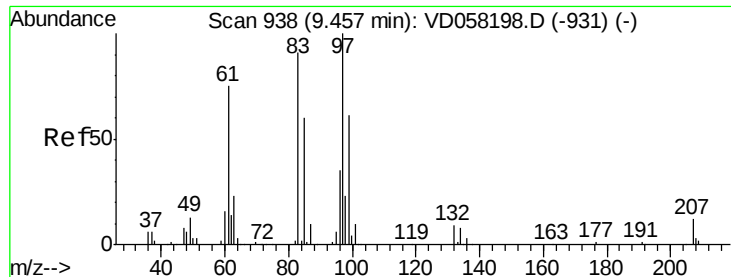
91 168.6 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



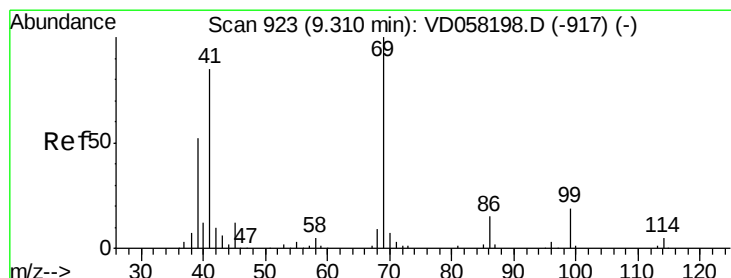
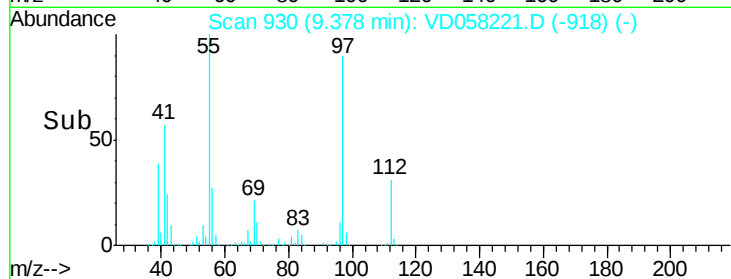
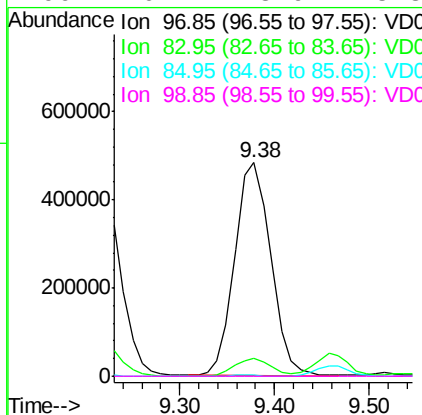
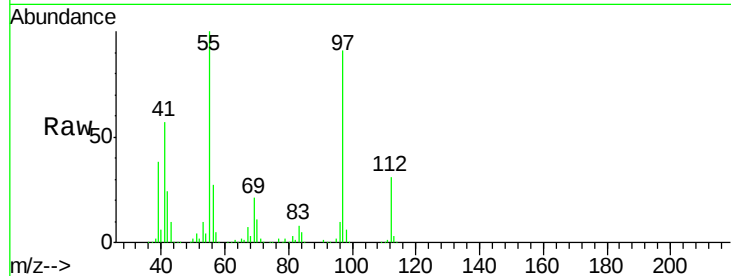


#55
 1,1,2-Trichloroethane
 Concen: 429.733 ug/l
 RT: 9.38 min Scan# 930
 Delta R.T. -0.08 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)

Tot Ion: 97 Resp: 1279902

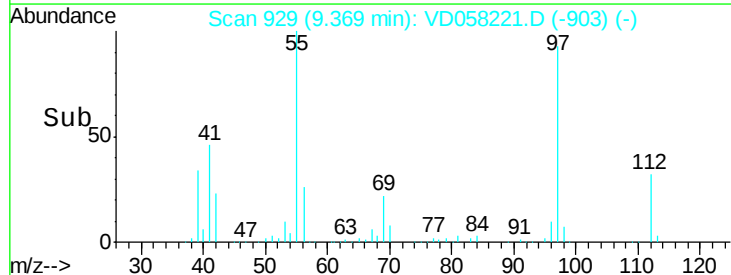
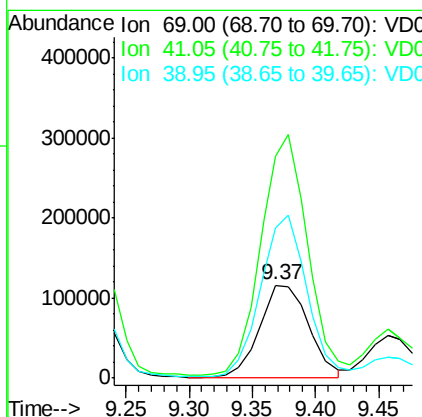
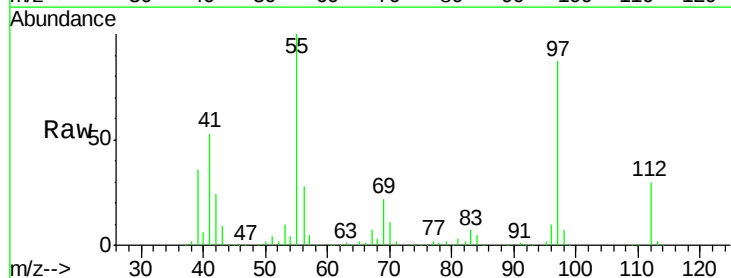
Ion	Ratio	Lower	Upper
97	100		
83	8.3	72.9	109.3#
85	0.3	48.2	72.4#
99	0.2	48.9	73.3#

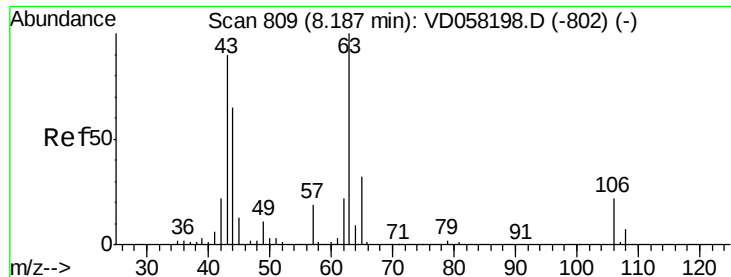


#56
 Ethyl methacrylate
 Concen: 87.423 ug/l
 RT: 9.37 min Scan# 929
 Delta R.T. 0.06 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Tgt Ion: 69 Resp: 311397

Ion	Ratio	Lower	Upper
69	100		
41	239.6	67.6	101.4#
39	162.2	42.2	63.2#

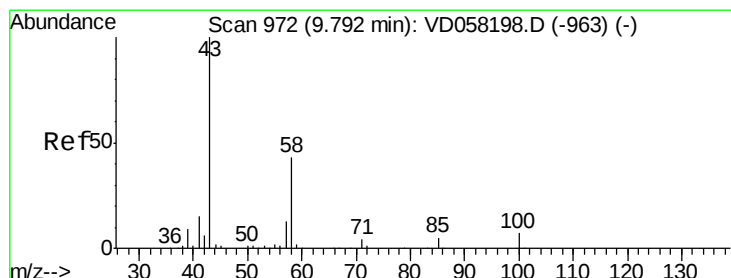
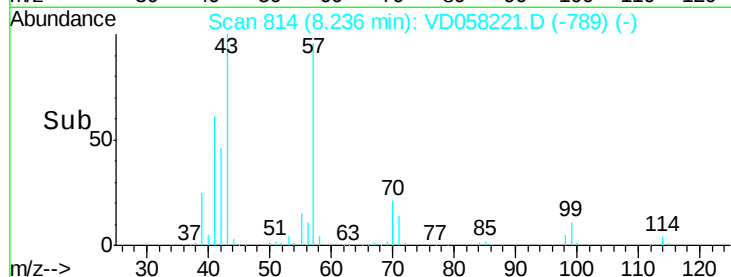
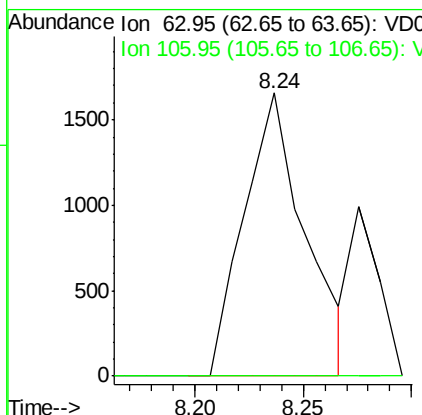
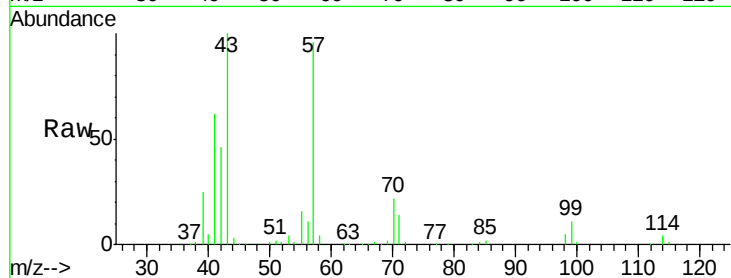




#58
2-Chloroethyl Vinyl ether
Concen: 1.849 ug/l
RT: 8.24 min Scan# 814
Delta R.T. 0.05 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

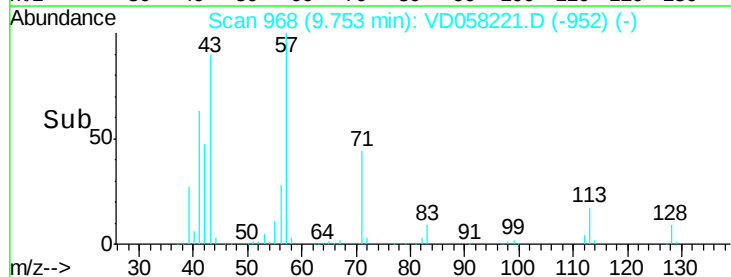
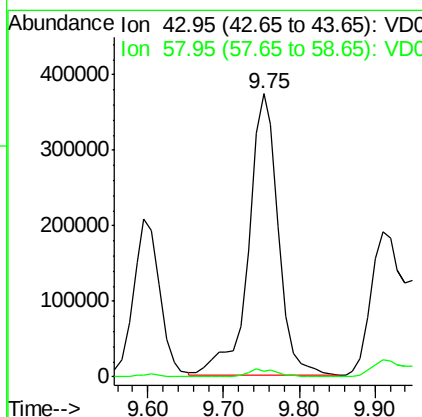
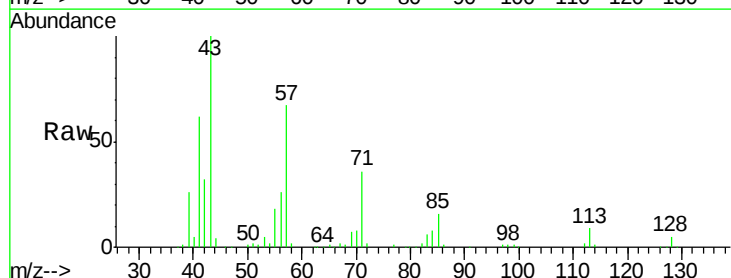
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)

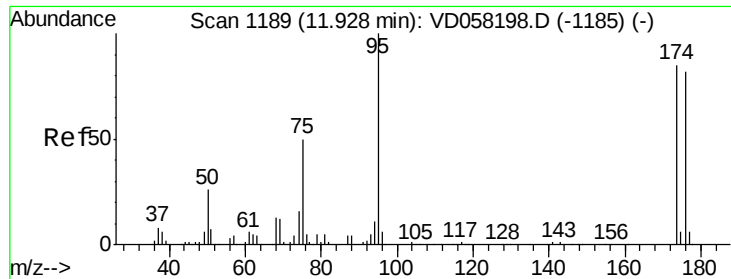
Tot Ion: 63 Resp: 3260
Ion Ratio Lower Upper
63 100
106 0.0 18.0 27.0#



#59
2-Hexanone
Concen: 457.237 ug/l
RT: 9.75 min Scan# 968
Delta R.T. -0.04 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion: 43 Resp: 1015962
Ion Ratio Lower Upper
43 100
58 2.2 21.7 65.1#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)

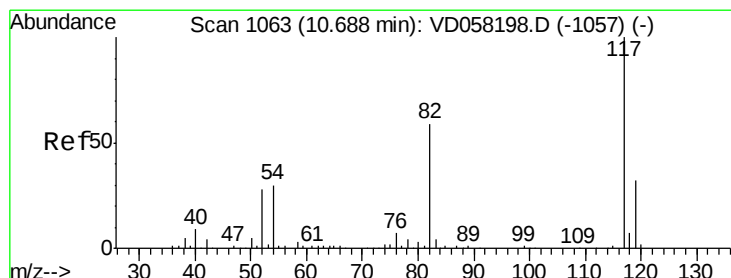
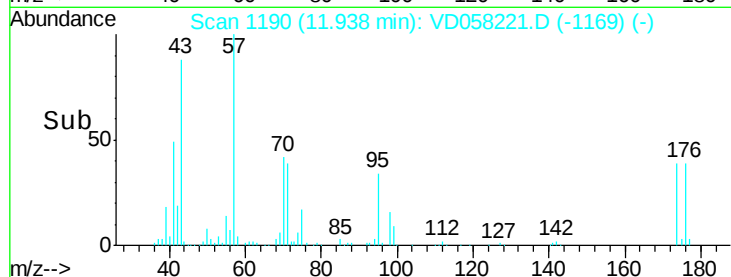
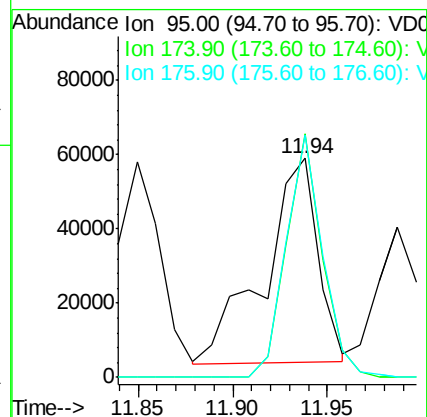
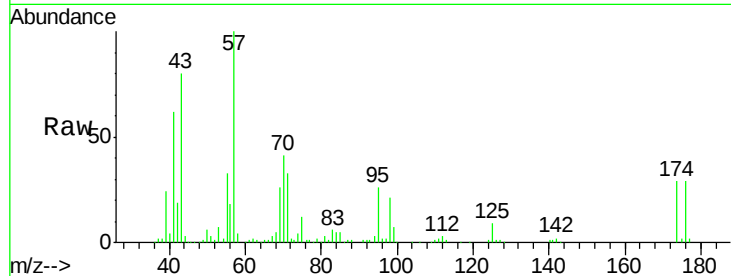
Tot Ion: 95 Resp: 109531

Ion Ratio Lower Upper

95 100

174 111.2 0.0 170.2

176 110.8 0.0 164.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

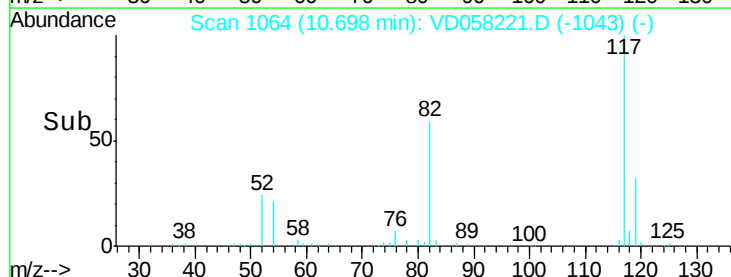
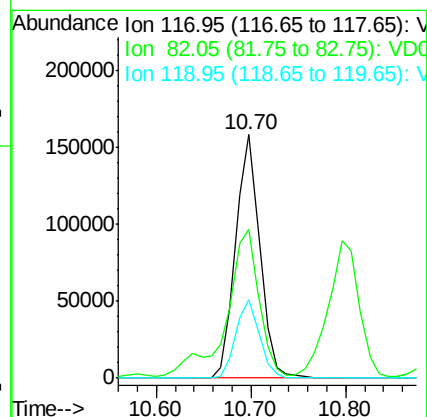
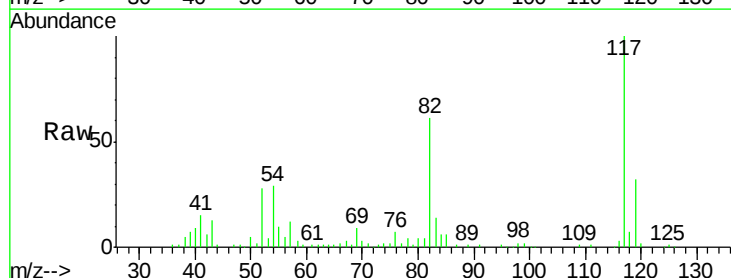
Tgt Ion: 117 Resp: 281060

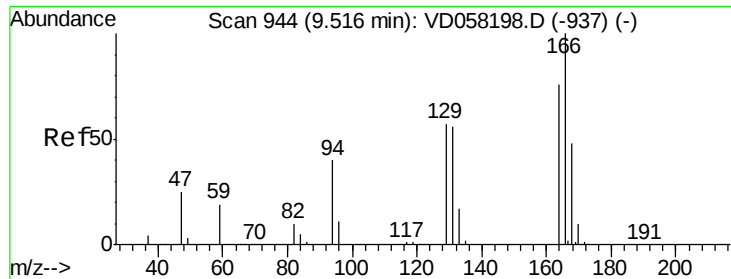
Ion Ratio Lower Upper

117 100

82 61.0 47.0 70.6

119 32.2 25.3 37.9





#64

Tetrachloroethene

Concen: 3.514 ug/l

RT: 9.53 min Scan# 945

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)

Tot Ion:164 Resp: 8310

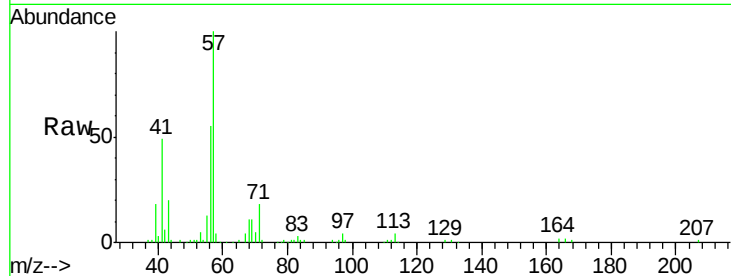
Ion Ratio Lower Upper

164 100

166 104.1 105.4 158.0#

129 59.3 59.6 89.4#

131 57.2 59.4 89.2#

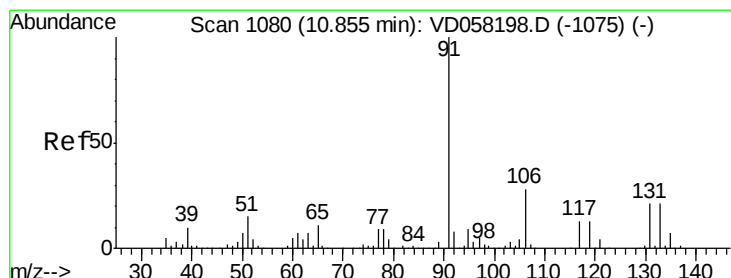
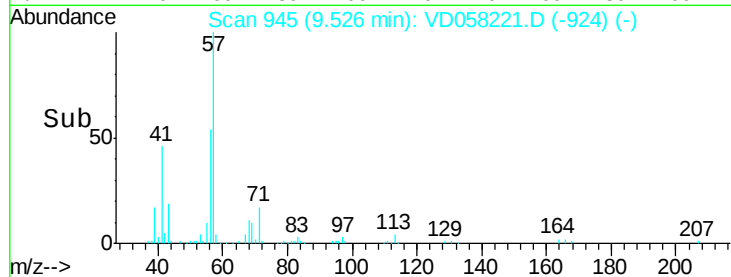
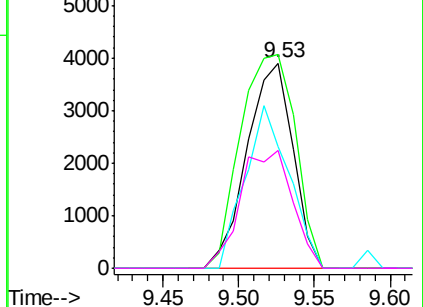


Abundance Ion 163.85 (163.55 to 164.55): V

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



#67

Ethyl Benzene

Concen: 534.899 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD058221.D

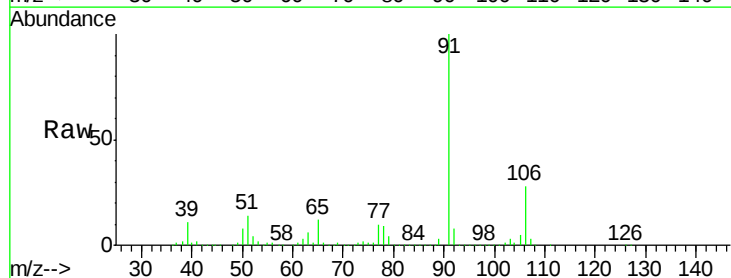
Acq: 20 Jun 2018 20:32

Tgt Ion: 91 Resp: 4964710

Ion Ratio Lower Upper

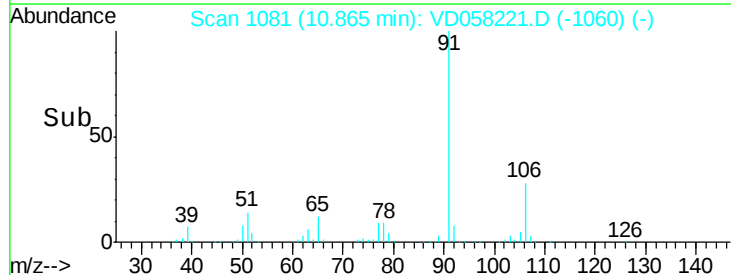
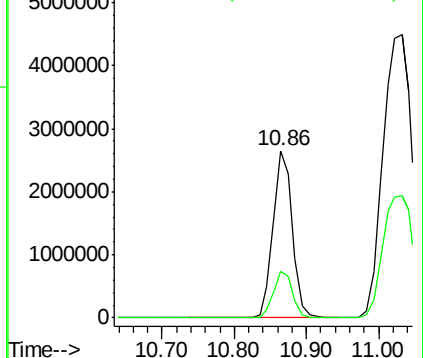
91 100

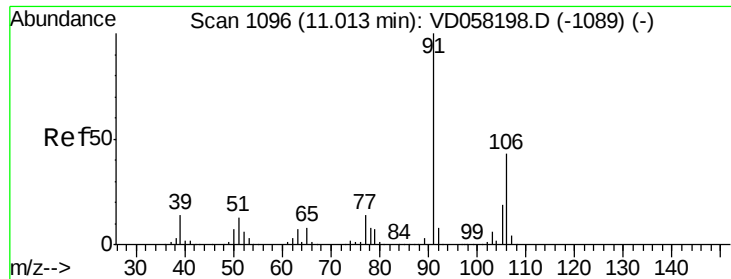
106 27.9 22.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V

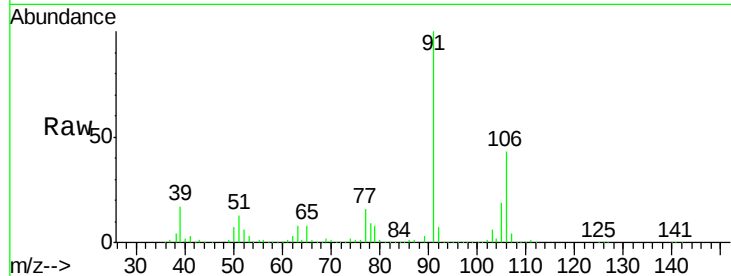




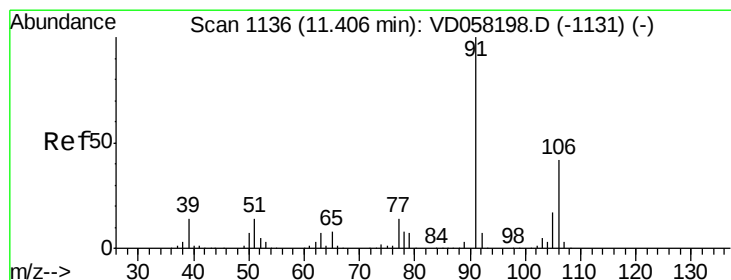
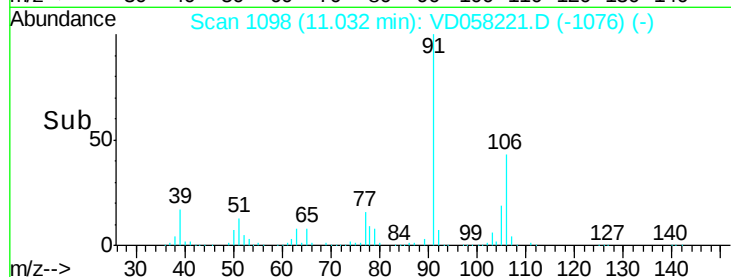
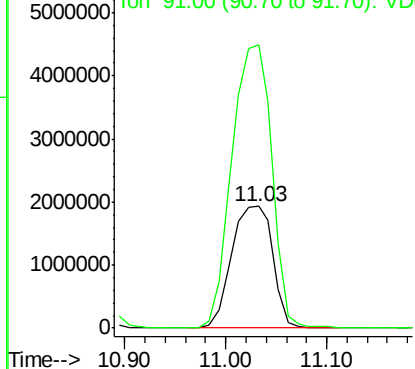
#68
m/p-Xvlenes
Concen: 1762.246 ug/l
RT: 11.03 min Scan# 1098
Delta R.T. 0.02 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)

Tot Ion:106 Resp: 5454518
Ion Ratio Lower Upper
106 100
91 232.5 185.0 277.6

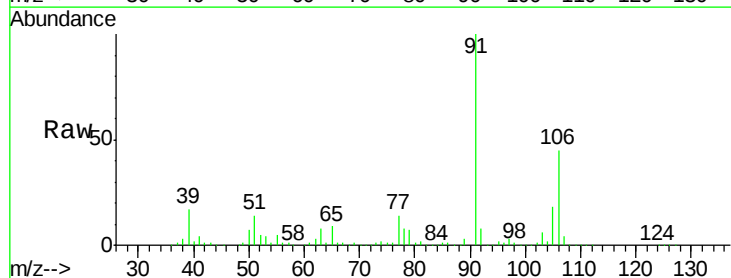


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

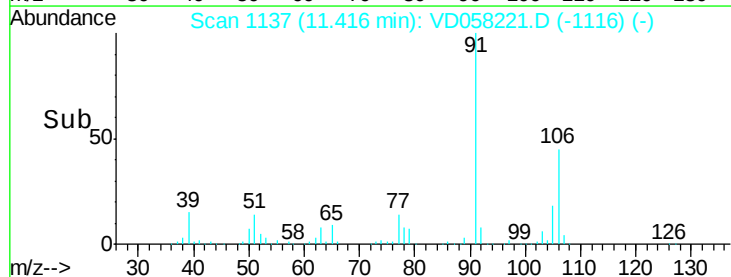
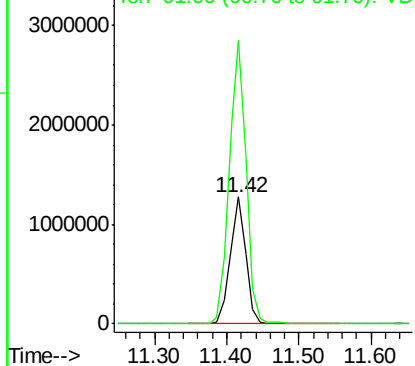


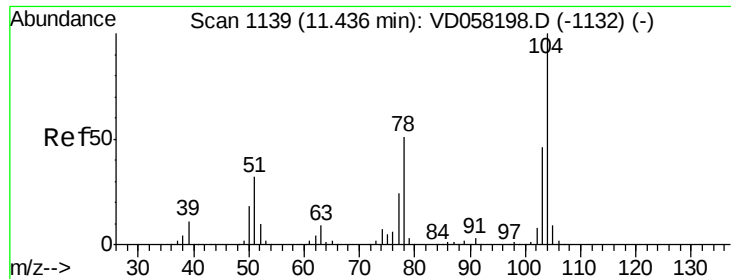
#69
o-Xylene
Concen: 650.811 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion:106 Resp: 1923958
Ion Ratio Lower Upper
106 100
91 223.0 120.2 360.6



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

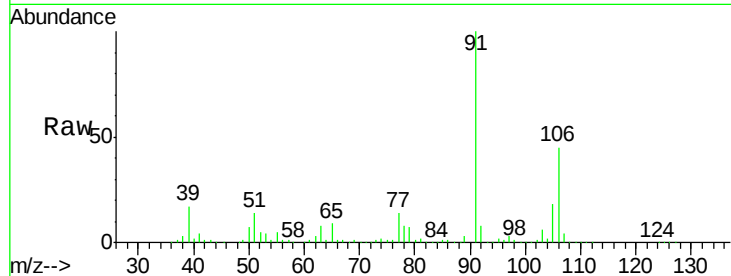




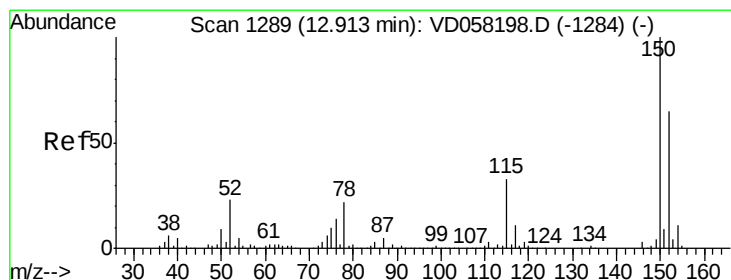
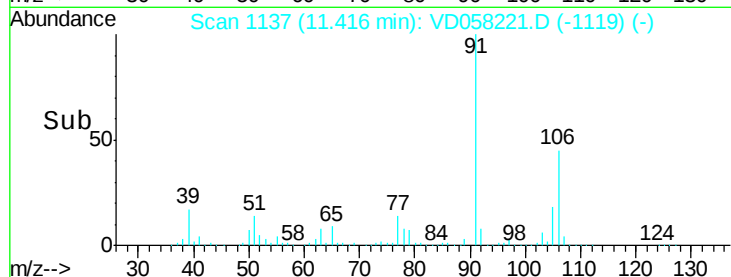
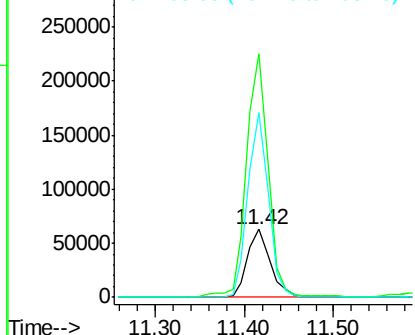
#70
Stvrene
Concen: 22.080 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)

Tot Ion:104 Resp: 111384
Ion Ratio Lower Upper
104 100
78 357.4 40.8 61.2#
103 272.1 37.0 55.6#

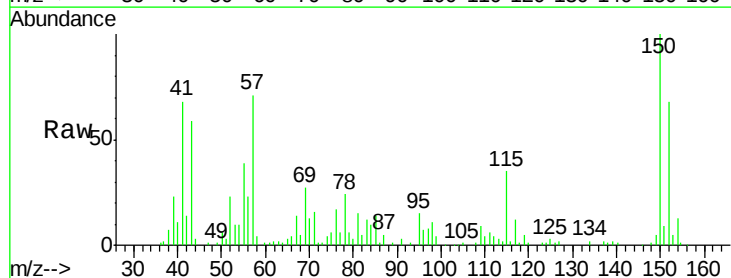


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

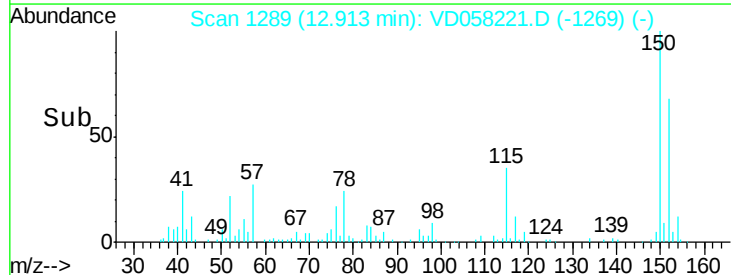
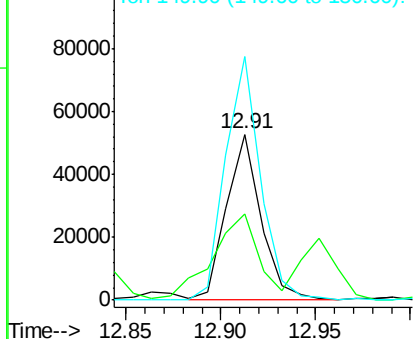


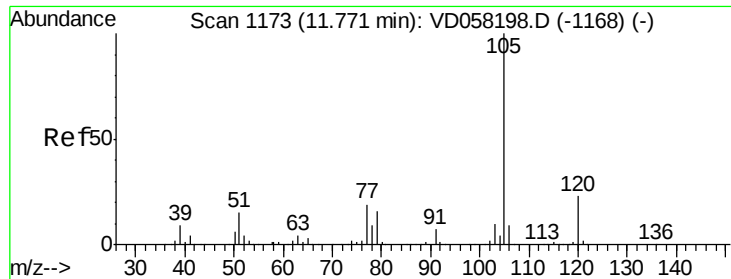
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion:152 Resp: 65182
Ion Ratio Lower Upper
152 100
115 51.9 25.1 75.3
150 147.0 0.0 308.8



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: 66.510 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

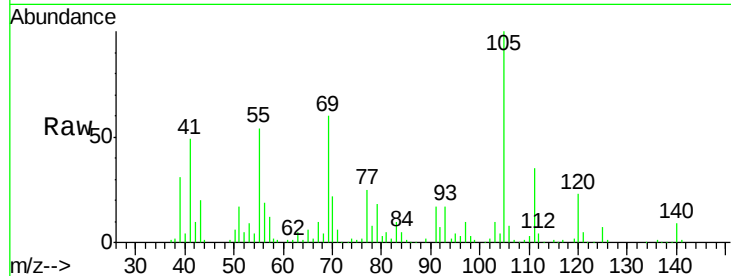
AREA1(S)

Tot Ion:105 Resp: 259313

Ion Ratio Lower Upper

105 100

120 23.4 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

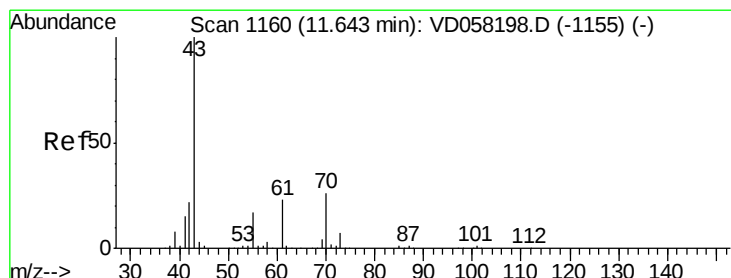
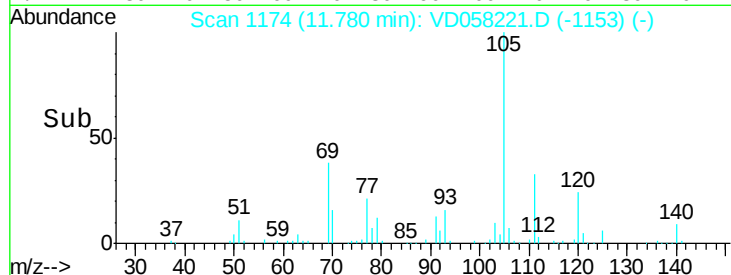
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 183.118 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.04 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Tgt Ion: 43 Resp: 276053

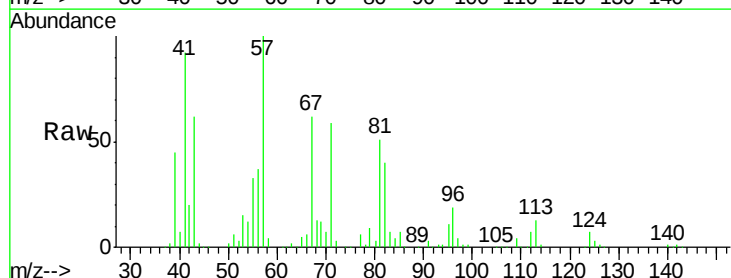
Ion Ratio Lower Upper

43 100

70 10.8 20.9 31.3#

55 53.1 13.5 20.3#

61 0.4 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

250000

200000

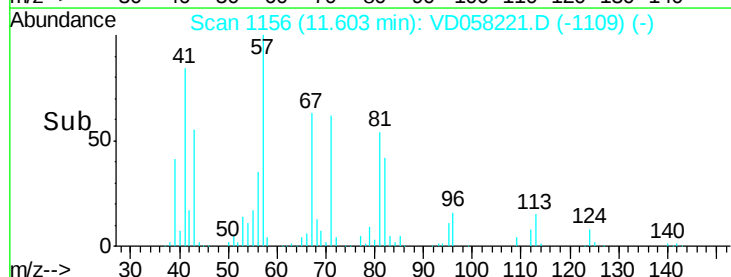
150000

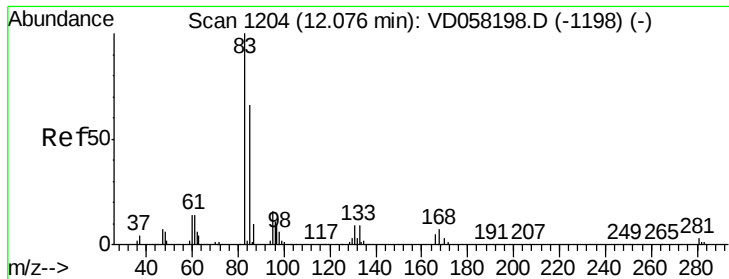
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 107.779 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)

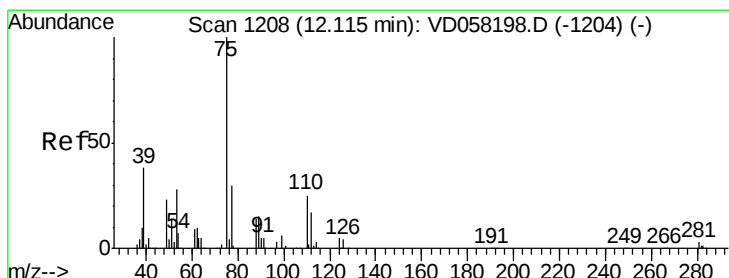
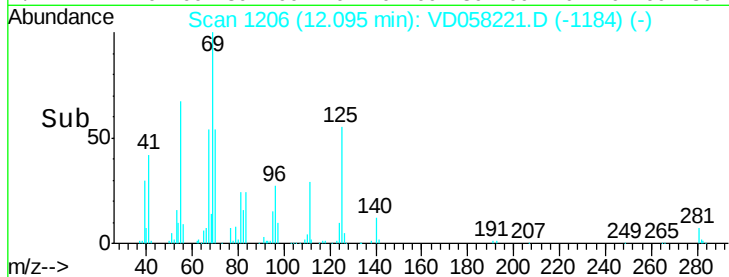
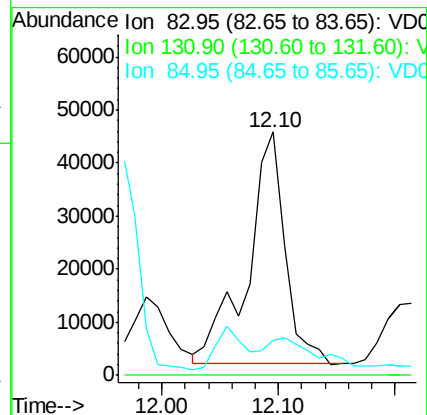
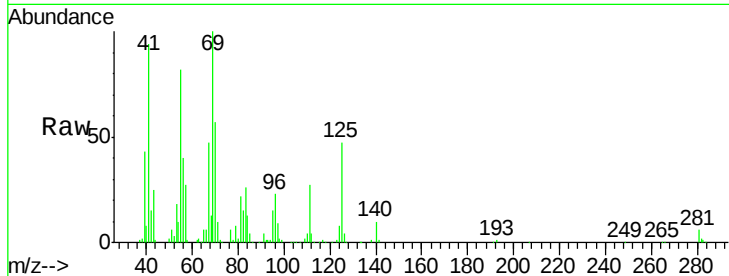
Tot Ion: 83 Resp: 97789

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 14.6 33.1 99.5#



#76

1,2,3-Trichloropropane

Concen: 3.424 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.04 min

Lab File: VD058221.D

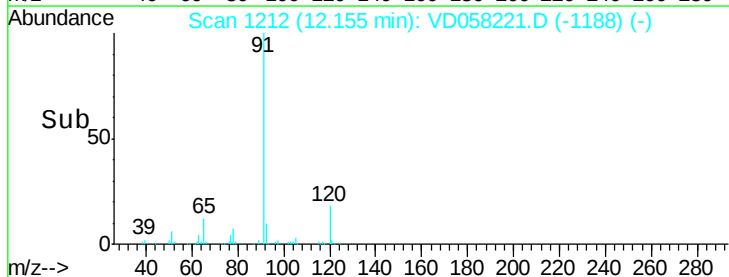
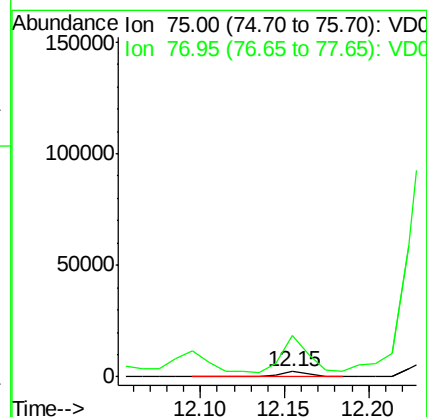
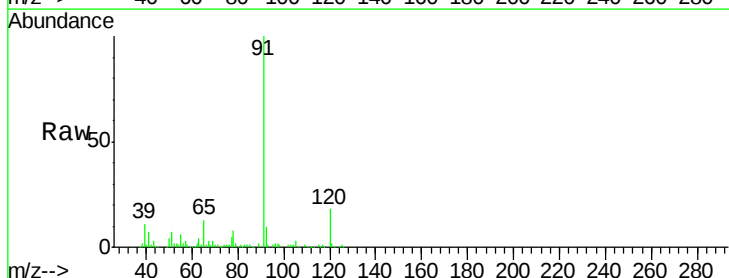
Acq: 20 Jun 2018 20:32

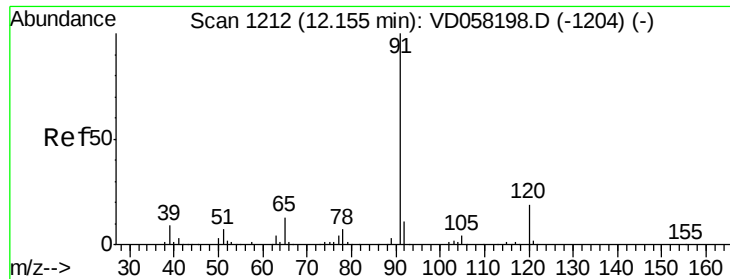
Tgt Ion: 75 Resp: 3259

Ion Ratio Lower Upper

75 100

77 771.8 16.0 47.9#





#78

n-propylbenzene

Concen: 93.161 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058221.D

Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

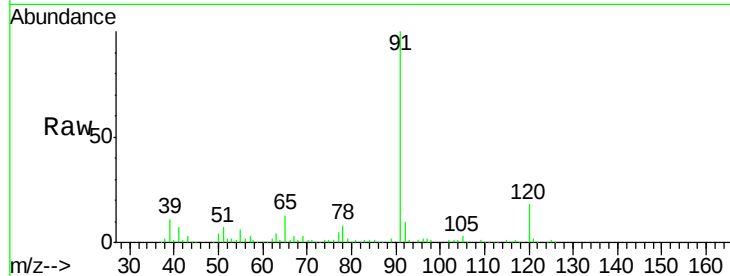
AREA1(S)

Tot Ion: 91 Resp: 469060

Ion Ratio Lower Upper

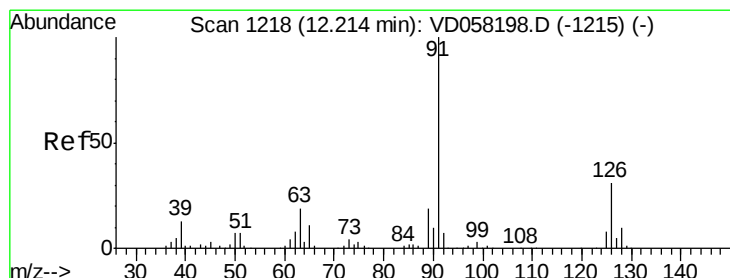
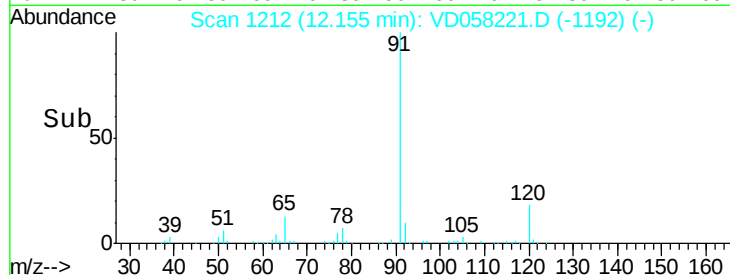
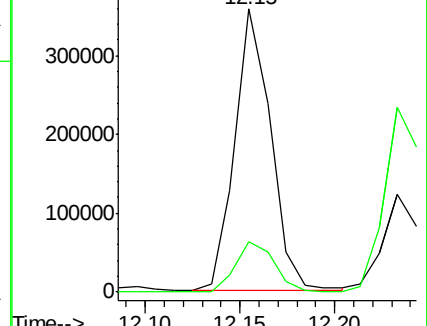
91 100

120 18.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#79

2-Chlorotoluene

Concen: 76.913 ug/l

RT: 12.23 min Scan# 1220

Delta R.T. 0.02 min

Lab File: VD058221.D

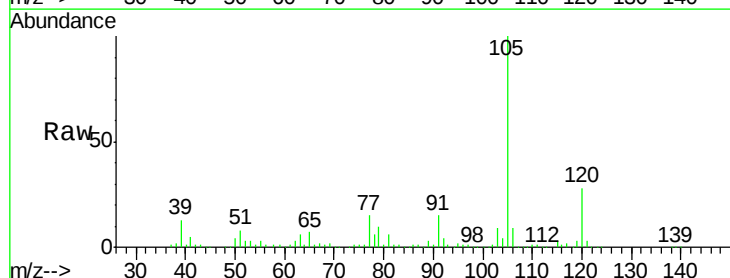
Acq: 20 Jun 2018 20:32

Tgt Ion: 91 Resp: 221600

Ion Ratio Lower Upper

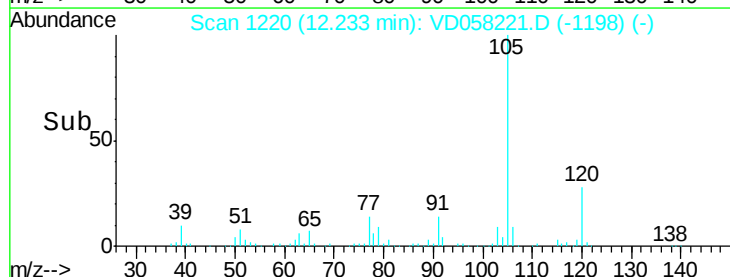
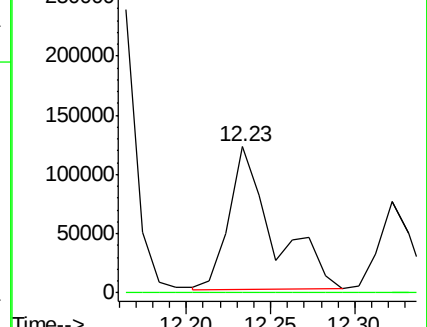
91 100

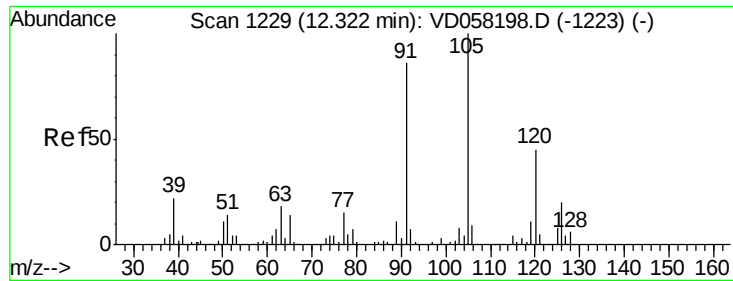
126 0.0 14.9 44.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

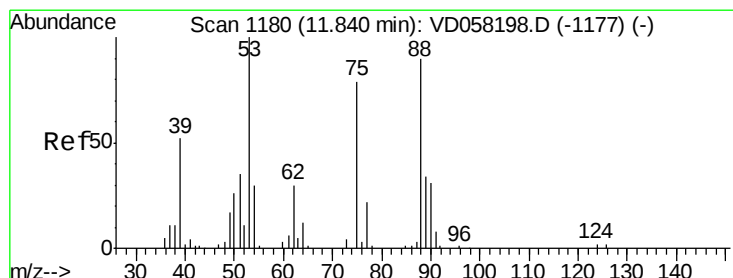
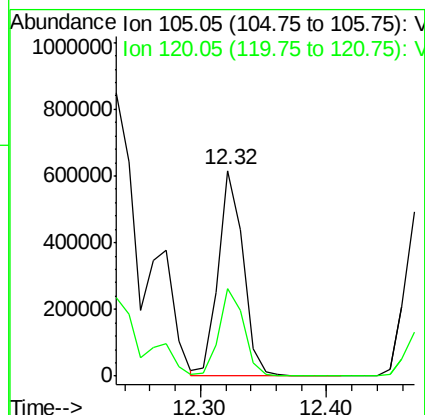
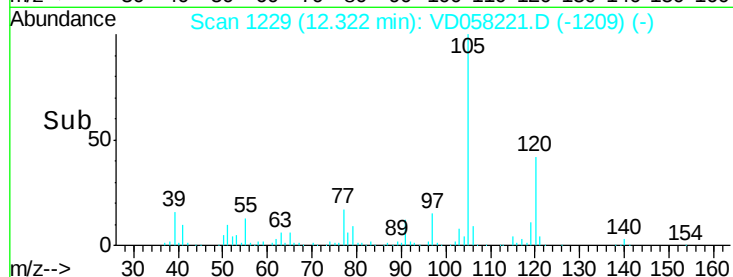
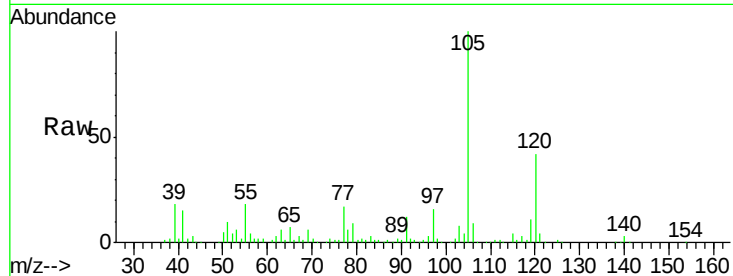




#80
 1,3,5-Trimethylbenzene
 Concen: 277.262 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

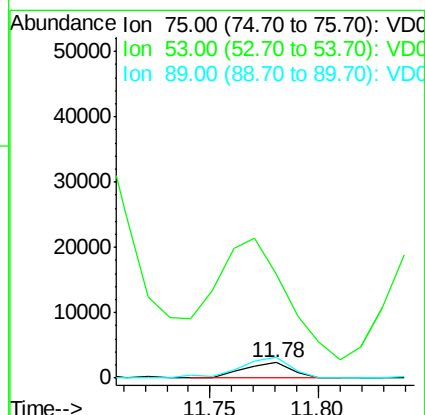
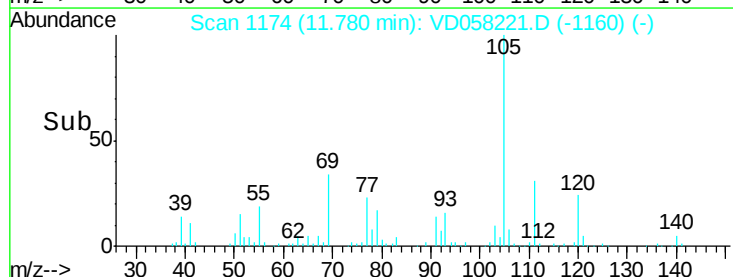
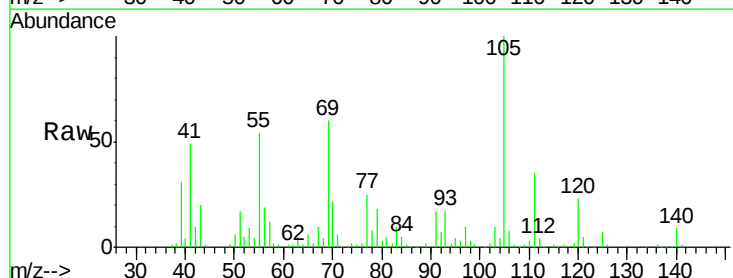
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)

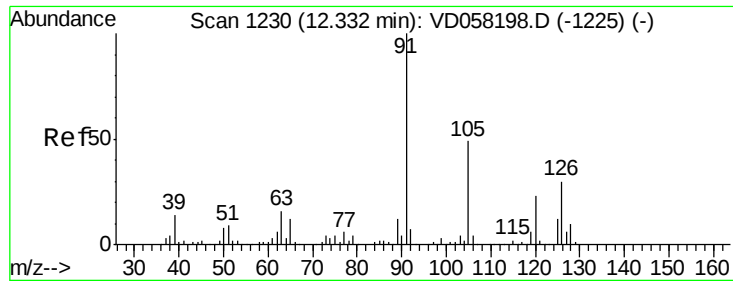
Tot Ion:105 Resp: 843150
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.5 67.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.454 ug/l
 RT: 11.78 min Scan# 1174
 Delta R.T. -0.06 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Tgt Ion: 75 Resp: 3587
 Ion Ratio Lower Upper
 75 100
 53 676.4 100.8 151.2#
 89 133.3 34.6 52.0#

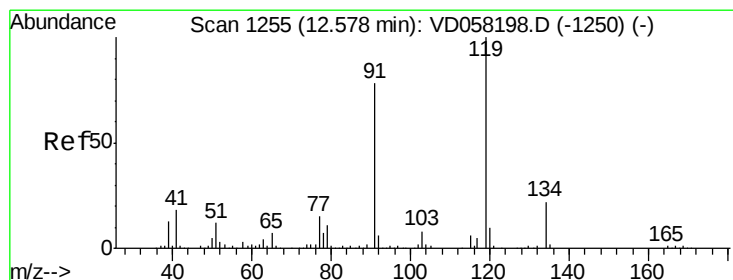
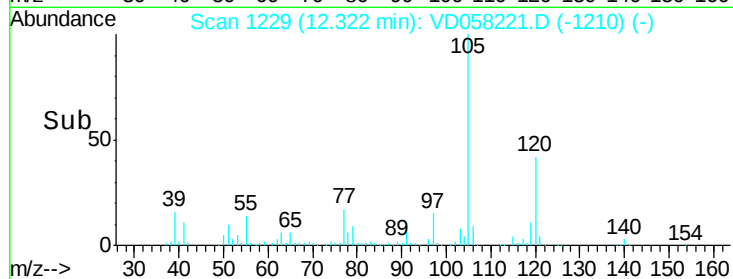
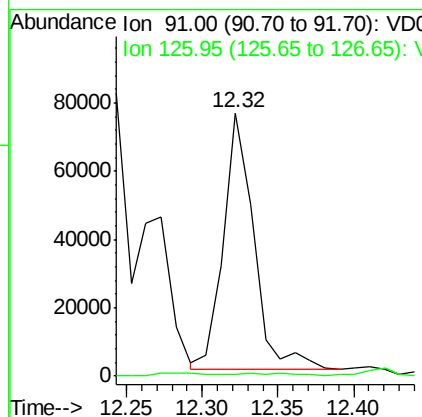
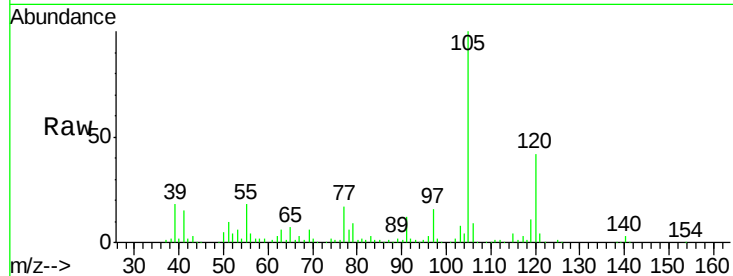




#82
4-Chlorotoluene
Concen: 35.933 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

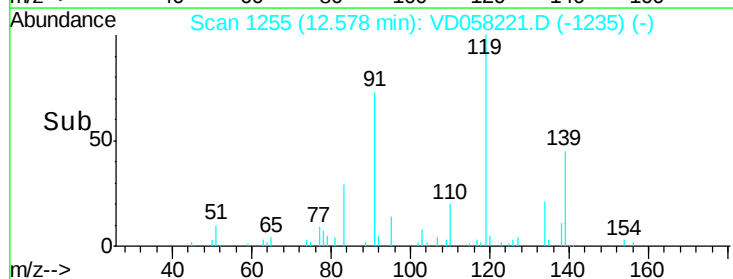
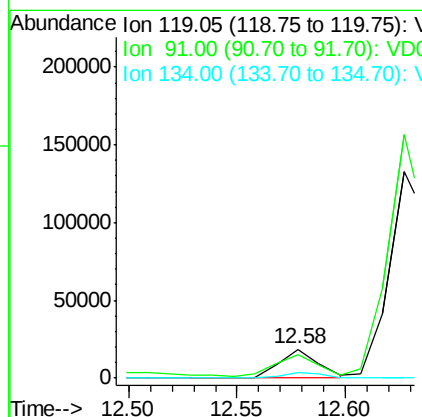
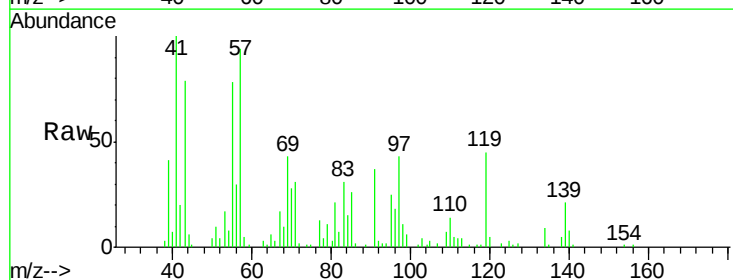
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)

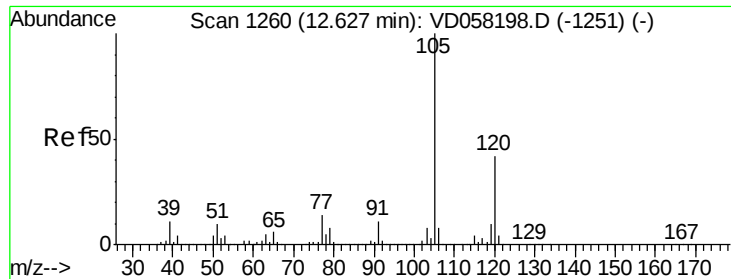
Tot Ion: 91 Resp: 105193
Ion Ratio Lower Upper
91 100
126 0.6 14.9 44.9#



#83
tert-Butylbenzene
Concen: 6.585 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion: 119 Resp: 23021
Ion Ratio Lower Upper
119 100
91 82.3 38.9 116.6
134 20.5 11.2 33.5

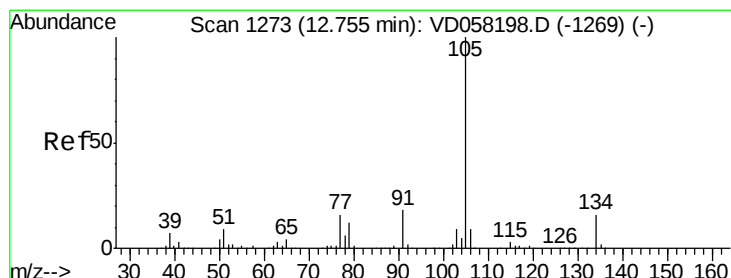
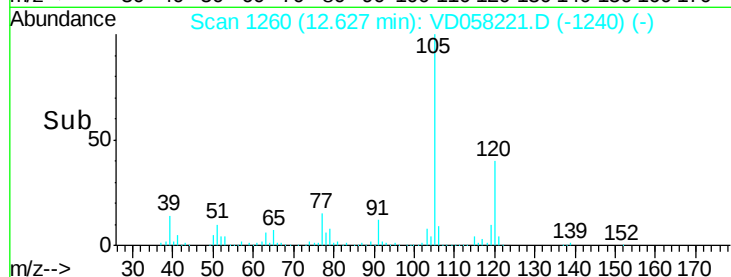
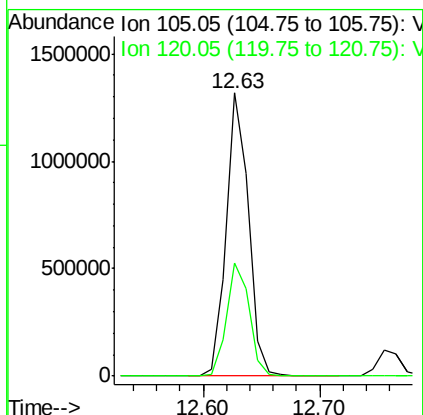
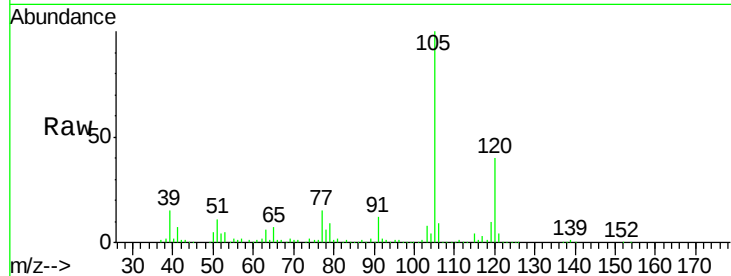




#84
 1,2,4-Trimethylbenzene
 Concen: 525.242 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

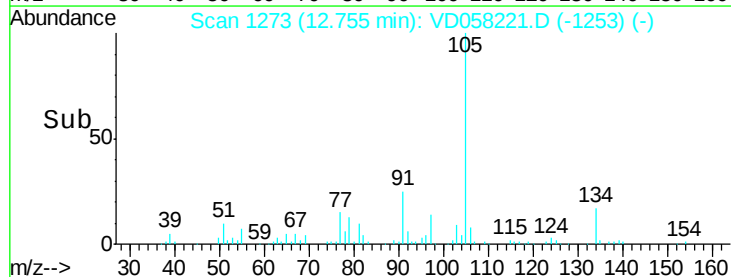
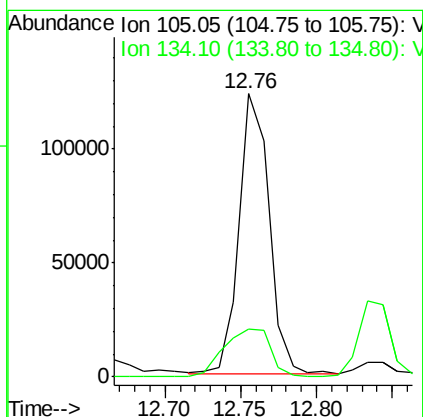
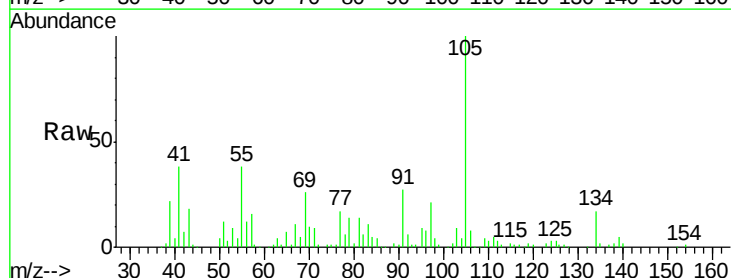
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)

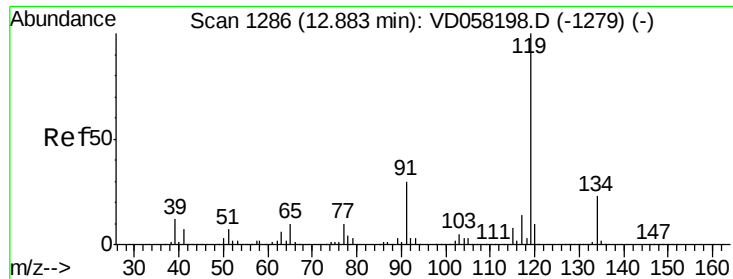
Tot Ion:105 Resp: 1736227
 Ion Ratio Lower Upper
 105 100
 120 39.8 20.8 62.4



#85
 sec-Butylbenzene
 Concen: 41.464 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Tgt Ion:105 Resp: 169921
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.1 24.3

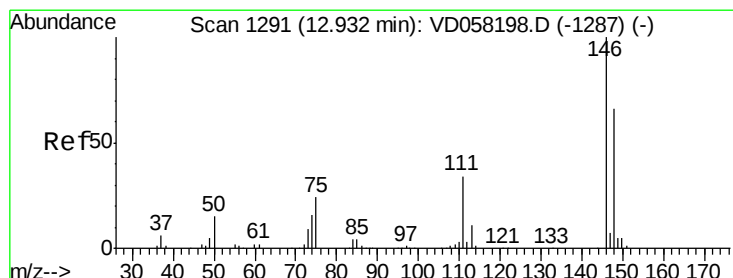
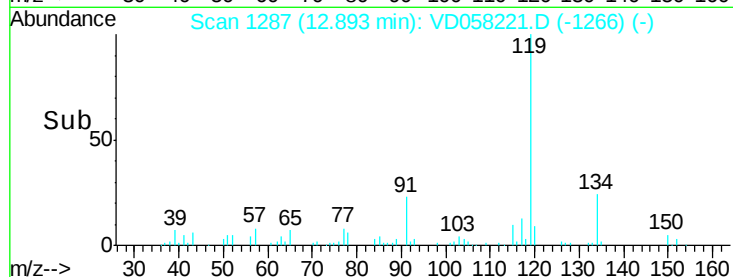
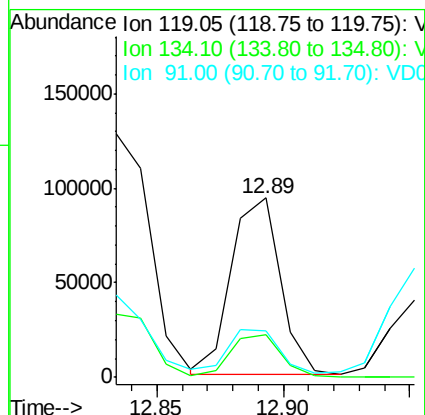
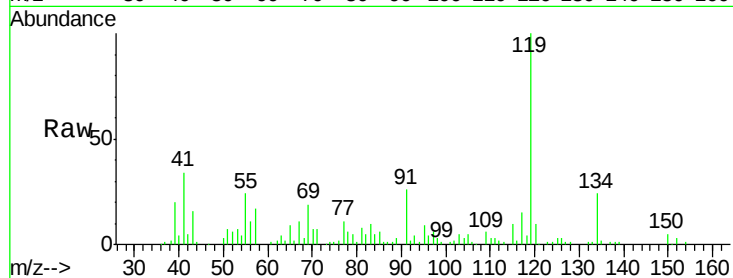




#86
p-Isopropyltoluene
Concen: 38.074 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

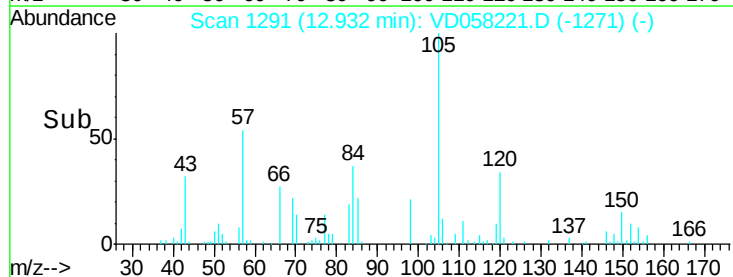
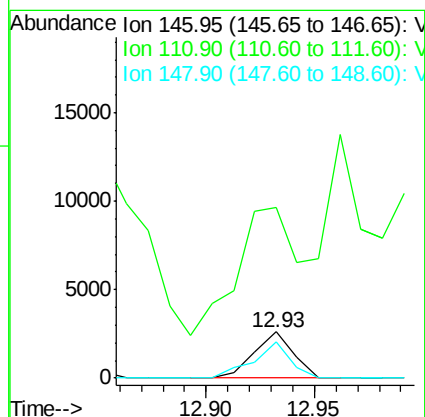
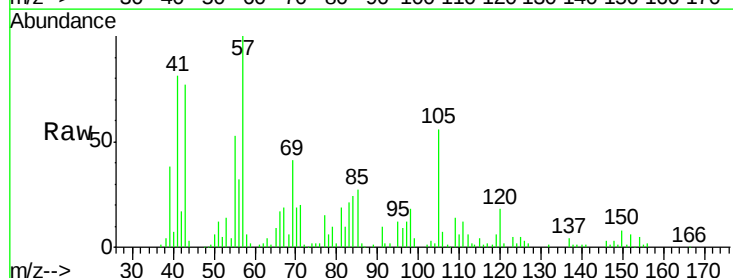
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)

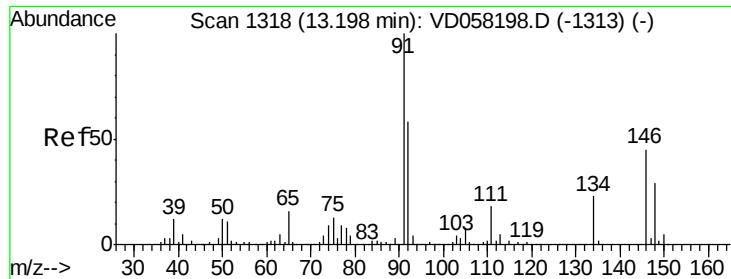
Tot Ion:119 Resp: 126441
Ion Ratio Lower Upper
119 100
134 24.1 11.6 34.8
91 25.9 15.0 45.1



#88
1,4-Dichlorobenzene
Concen: 1.670 ug/l
RT: 12.93 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion:146 Resp: 3309
Ion Ratio Lower Upper
146 100
111 368.1 17.2 51.5#
148 78.7 33.1 99.3

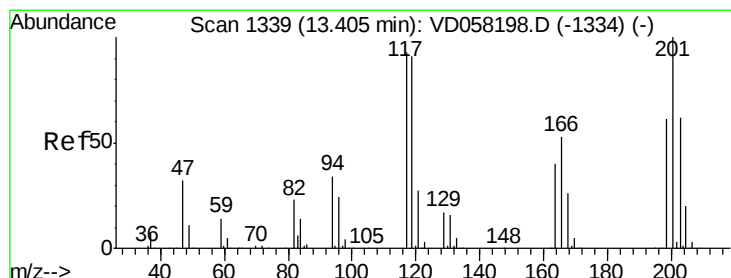
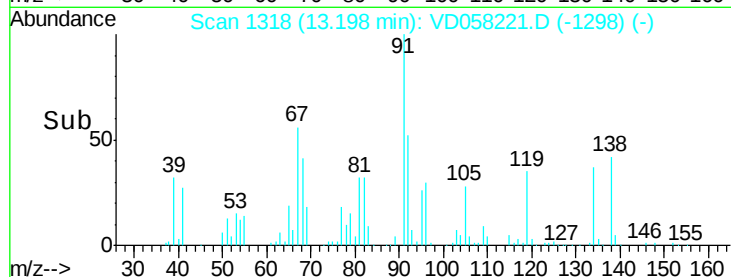
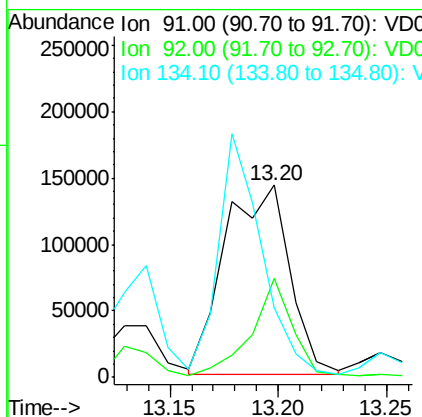
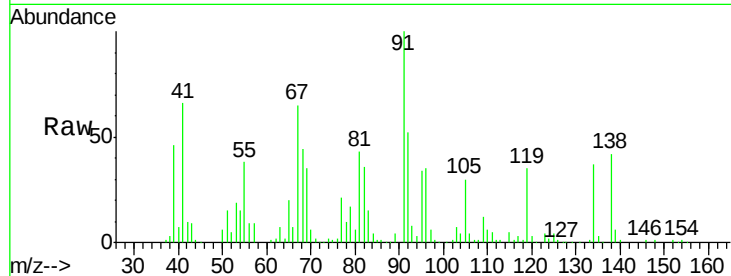




#89
n-Butylbenzene
Concen: 85.289 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

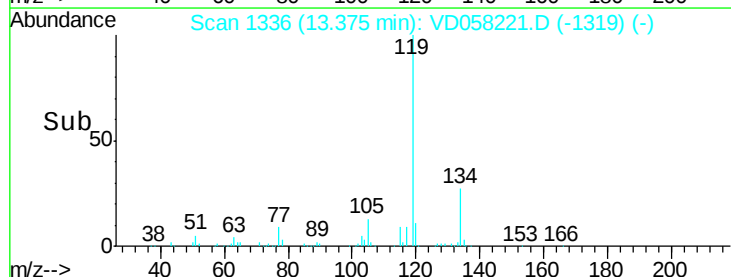
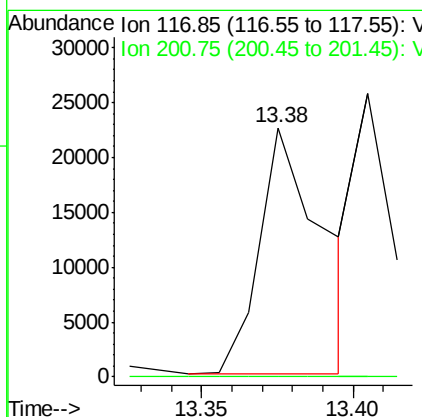
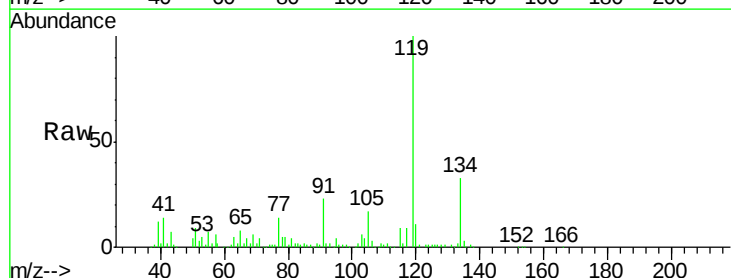
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)

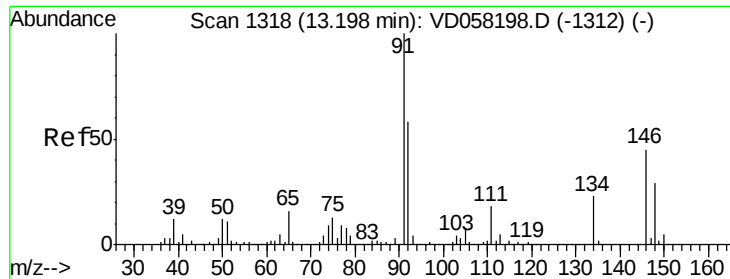
Tot Ion: 91 Resp: 297680
Ion Ratio Lower Upper
91 100
92 51.7 29.2 87.6
134 36.6 11.3 33.8#



#90
Hexachloroethane
Concen: 37.278 ug/l
RT: 13.38 min Scan# 1336
Delta R.T. -0.03 min
Lab File: VD058221.D
Acq: 20 Jun 2018 20:32

Tgt Ion: 117 Resp: 32132
Ion Ratio Lower Upper
117 100
201 0.0 53.8 161.4#

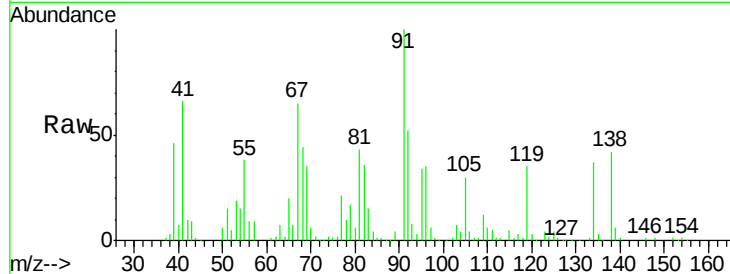




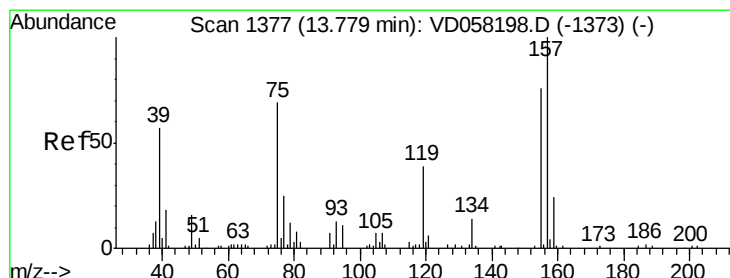
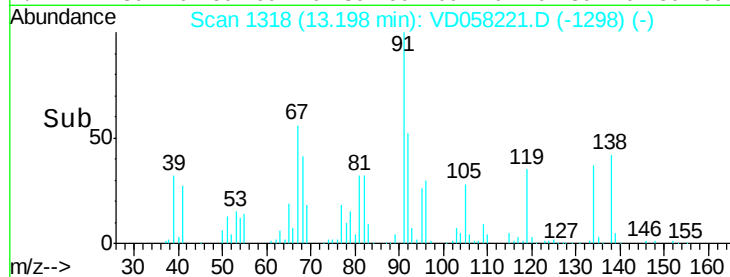
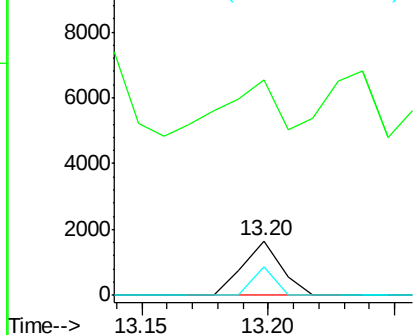
#91
 1,2-Dichlorobenzene
 Concen: 1.008 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)

Tot Ion:146 Resp: 1740
 Ion Ratio Lower Upper
 146 100
 111 396.7 19.6 58.7#
 148 52.6 32.0 96.2

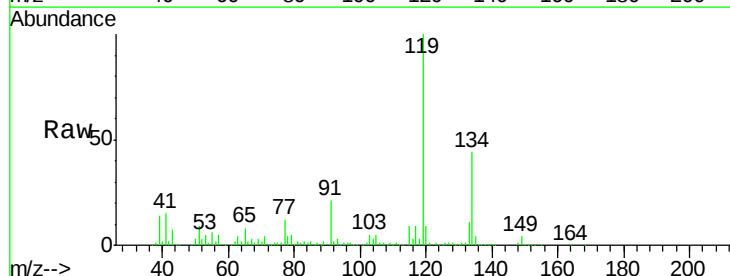


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

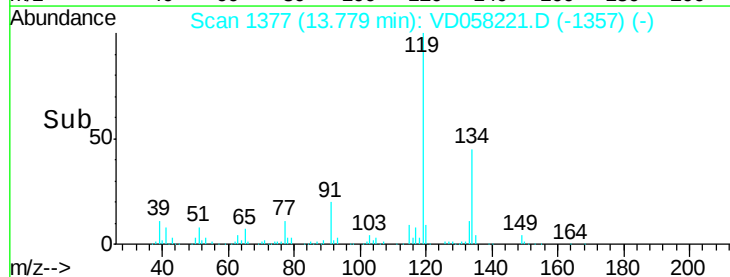
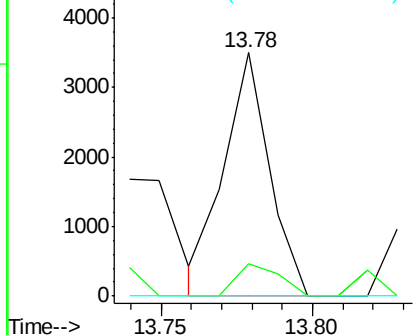


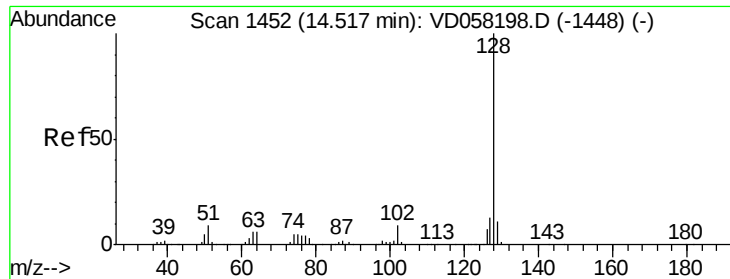
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.312 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058221.D
 Acq: 20 Jun 2018 20:32

Tgt Ion: 75 Resp: 3655
 Ion Ratio Lower Upper
 75 100
 155 13.4 54.5 163.5#
 157 0.0 72.0 215.9#



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





#95

Naphthalene

Concen: 171.592 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058221.D

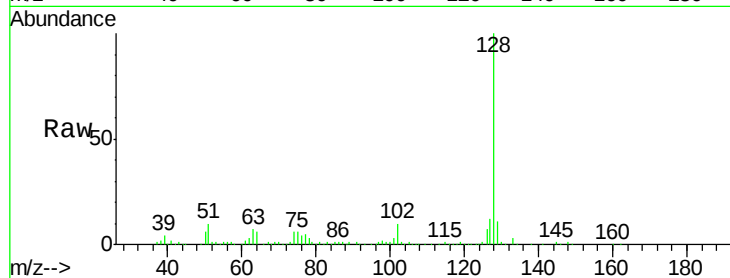
Acq: 20 Jun 2018 20:32

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)



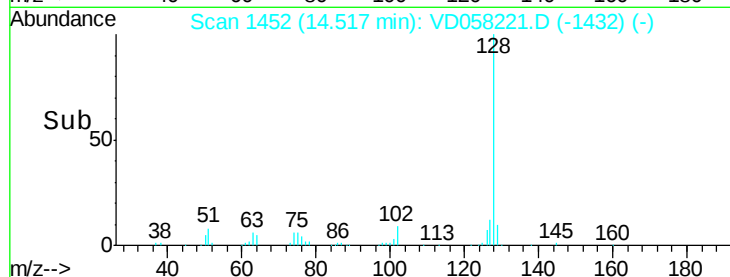
Tot Ion:128 Resp: 373310

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

129 10.7 8.7 13.1



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

