

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059705.D
 Acq On : 7 Aug 2018 15:27
 Operator : VA/AP
 Sample : J4297-04
 Misc : 5.63g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 08:06:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	170513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	227583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	127526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.04	152	35071	50.00	ug/l	0.14

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	99014	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
35) Dibromofluoromethane	5.53	113	80859	39.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.12%	
50) Toluene-d8	8.70	98	160399	36.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.10%	
62) 4-Bromofluorobenzene	11.92	95	197382	96.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.24%	

Target Compounds

					Qvalue
11) Tert butyl alcohol	3.23	59	721	9.034	ug/l # 76
16) Acetone	2.59	43	94818	230.123	ug/l 95
17) Carbon Disulfide	2.74	76	9899	3.272	ug/l 99
18) Methyl Acetate	2.92	43	6430	8.445	ug/l # 83
20) Methylene Chloride	3.05	84	1907	Below Cal	94
25) 2-Butanone	4.82	43	29298	54.138	ug/l 98
29) Tetrahydrofuran	4.82	42	2601	12.410	ug/l # 1
36) 1,1-Dichloropropene	5.62	75	15610	6.170	ug/l # 52
37) Ethyl Acetate	4.82	43	29298	23.849	ug/l # 72
38) Carbon Tetrachloride	5.62	117	18416	5.439	ug/l # 13
39) Methylcyclohexane	7.28	83	50404	23.572	ug/l 95
43) Isopropyl Acetate	7.64	43	5699	3.549	ug/l # 46
51) 4-Methyl-2-Pentanone	8.58	43	2551	2.178	ug/l 97
55) 1,1,2-Trichloroethane	9.51	97	5476	4.555	ug/l # 41
56) Ethyl methacrylate	9.36	69	33935	25.582	ug/l # 1
59) 2-Hexanone	9.74	43	524541	596.519	ug/l # 39
67) Ethyl Benzene	10.90	91	11579	2.392	ug/l # 49
68) m/p-Xylenes	11.02	106	4414	2.851	ug/l # 1
69) o-Xylene	11.41	106	3127	2.078	ug/l # 1
73) Isopropylbenzene	11.79	105	28071	11.910	ug/l 99
74) N-amyl acetate	11.62	43	1931794	2561.924	ug/l # 67
75) 1,1,2,2-Tetrachloroethane	12.11	83	565822	1196.358	ug/l # 38
76) 1,2,3-Trichloropropane	12.11	75	4961	9.151	ug/l # 1
77) Bromobenzene	12.13	156	1669	2.429	ug/l # 1
78) n-propylbenzene	12.16	91	26981	9.237	ug/l 89
79) 2-Chlorotoluene	12.28	91	28967	16.421	ug/l 77
81) trans-1,4-Dichloro-2-buten	11.86	75	2387	18.041	ug/l # 1
82) 4-Chlorotoluene	12.28	91	36446	17.650	ug/l 87
83) tert-Butylbenzene	12.59	119	22614	10.291	ug/l # 1
84) 1,2,4-Trimethylbenzene	12.64	105	4274	2.054	ug/l 75
85) sec-Butylbenzene	12.77	105	98971	40.556	ug/l 88
89) n-Butylbenzene	13.21	91	176404	83.598	ug/l # 64
90) Hexachloroethane	13.50	117	196337	364.002	ug/l # 7
92) 1,2-Dibromo-3-Chloropropan	13.76	75	8103	82.027	ug/l # 12

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration

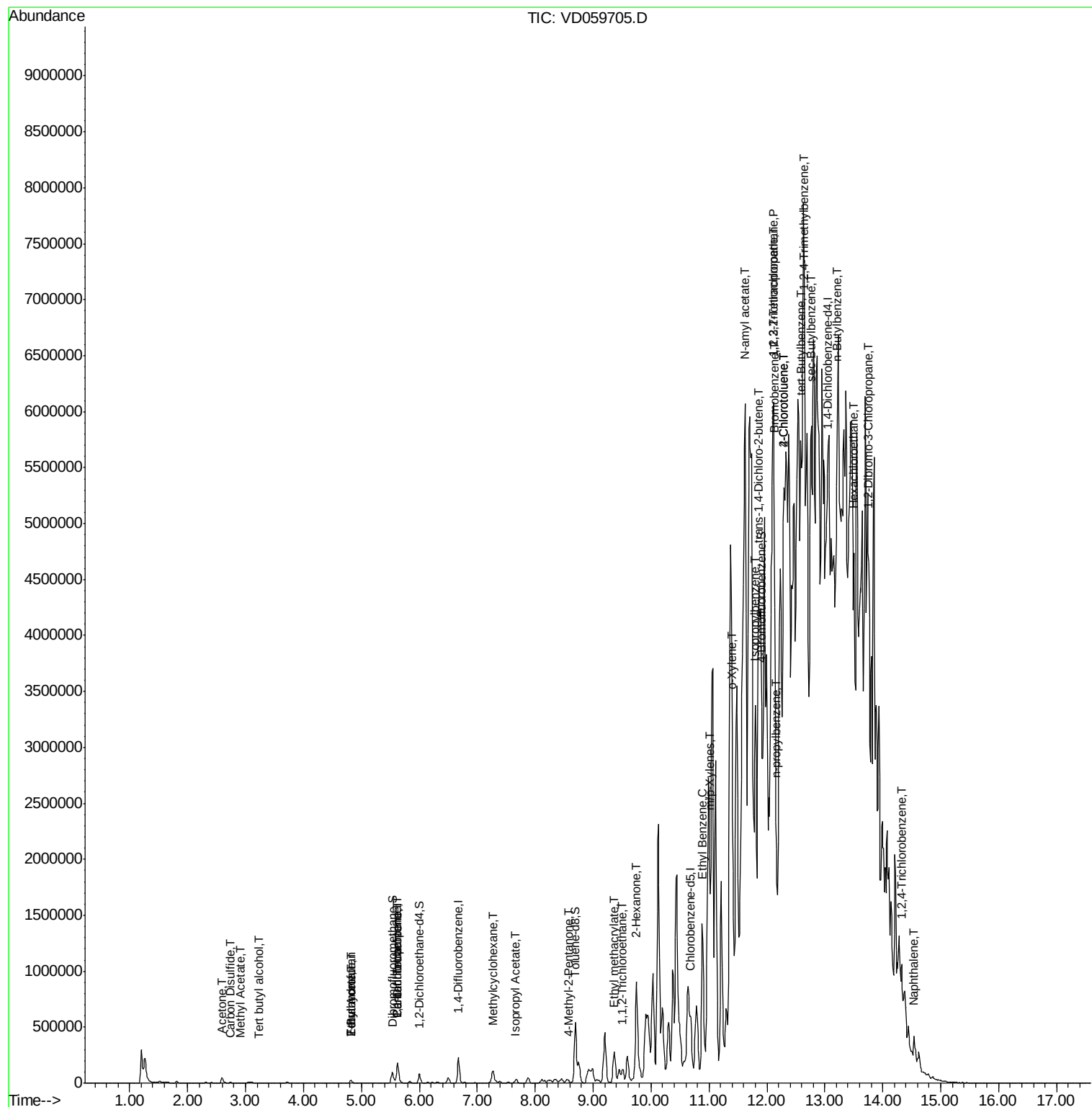
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	1009	1.123	ug/l #	1
95) Naphthalene	14.52	128	6350	4.773	ug/l #	16

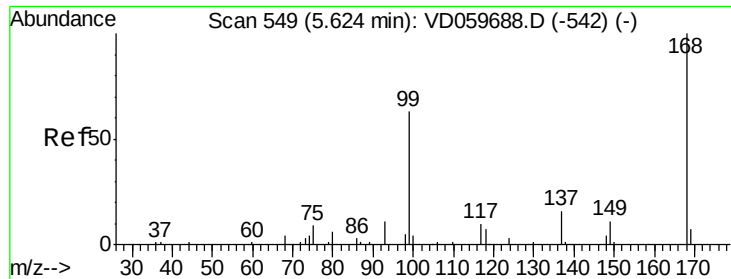
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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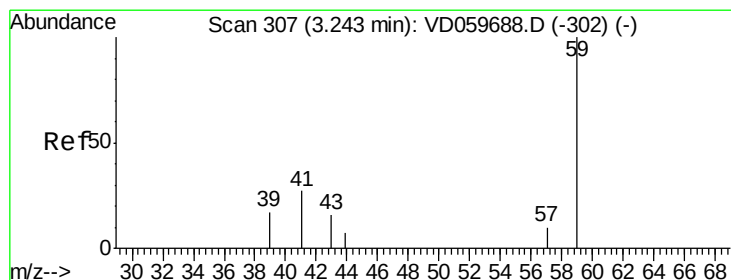
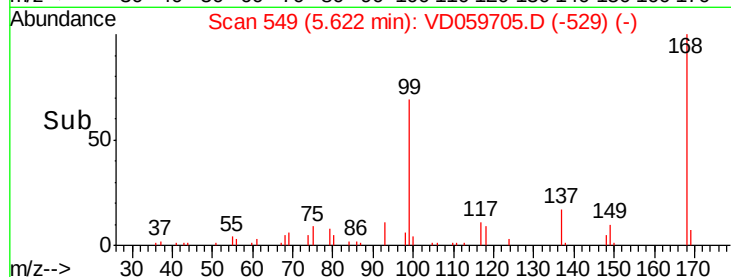
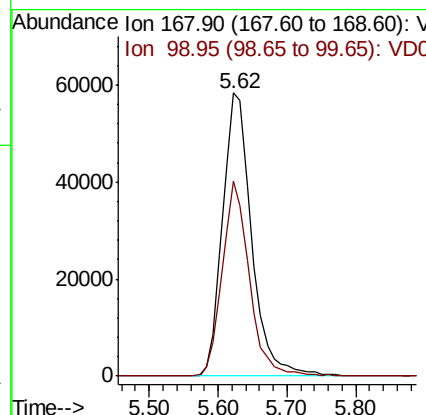
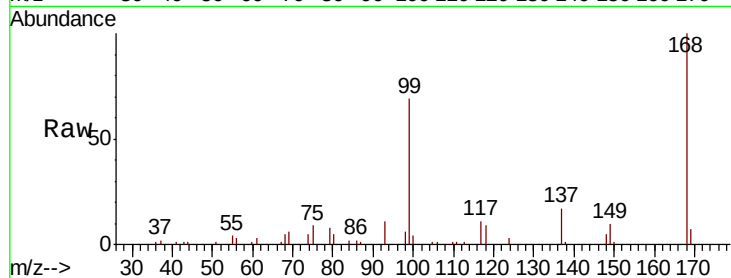




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

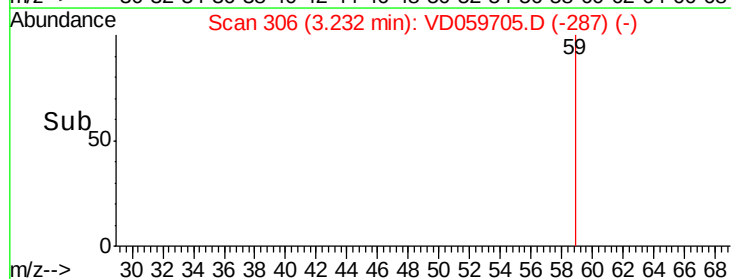
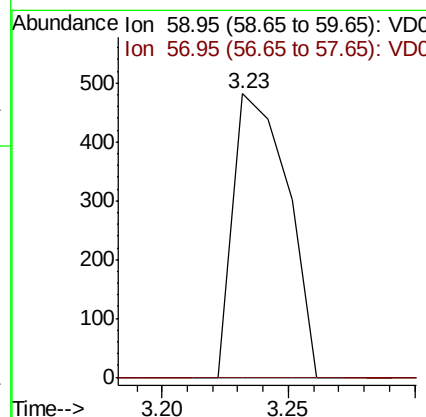
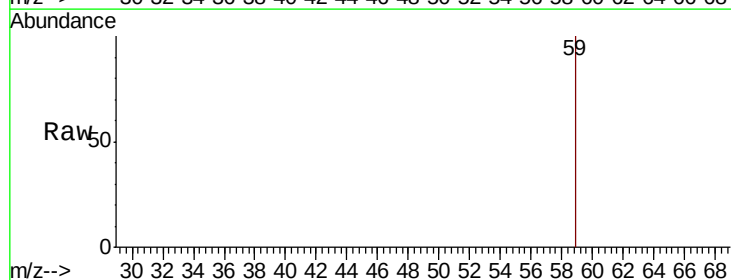
Instrument :
MSVOA_D
ClientSampleId :

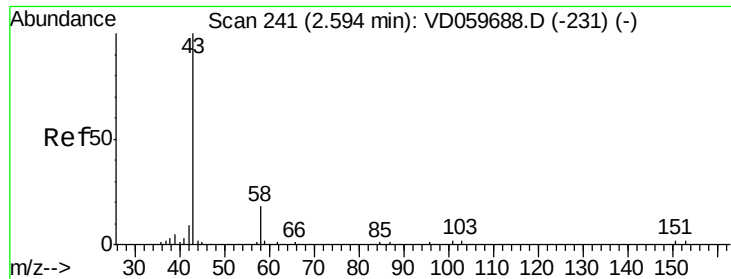
Tot Ion:168 Resp: 170513
Ion Ratio Lower Upper
168 100
99 68.8 53.4 80.2



#11
Tert butyl alcohol
Concen: 9.034 ug/l
RT: 3.23 min Scan# 306
Delta R.T. -0.01 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Tgt Ion: 59 Resp: 721
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#





#16

Acetone

Concen: 230.123 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

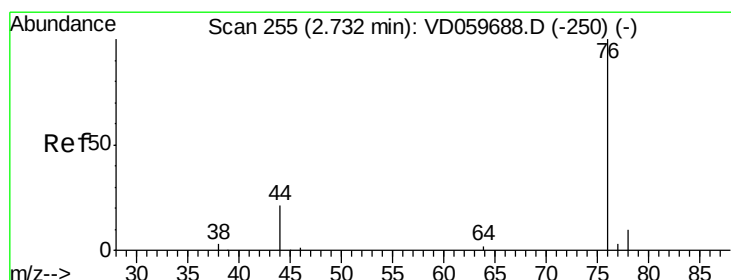
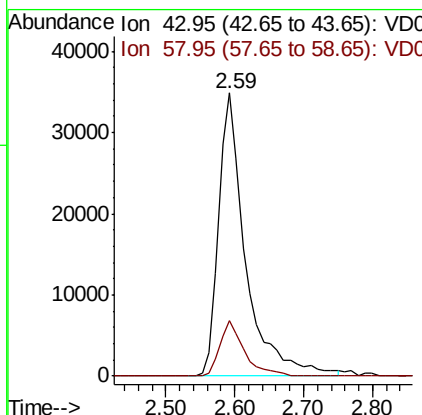
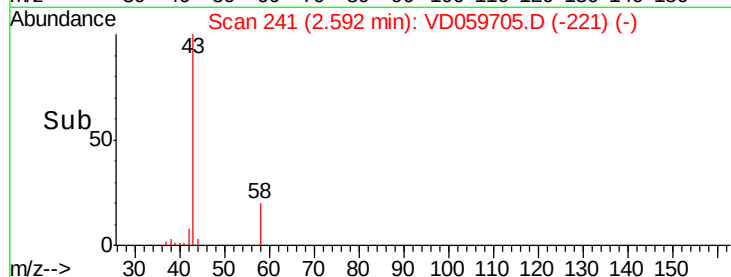
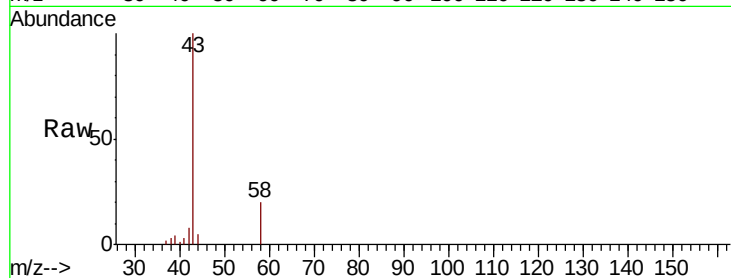
ClientSampleId :

Tot Ion: 43 Resp: 94818

Ion Ratio Lower Upper

43 100

58 19.8 14.2 21.2



#17

Carbon Disulfide

Concen: 3.272 ug/l

RT: 2.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD059705.D

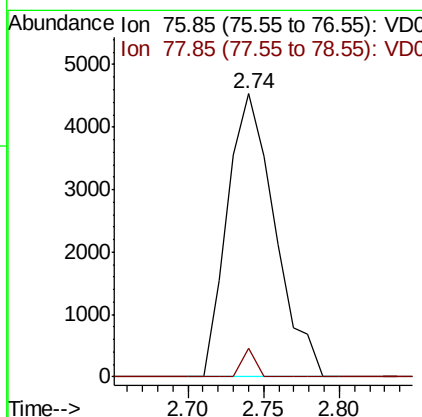
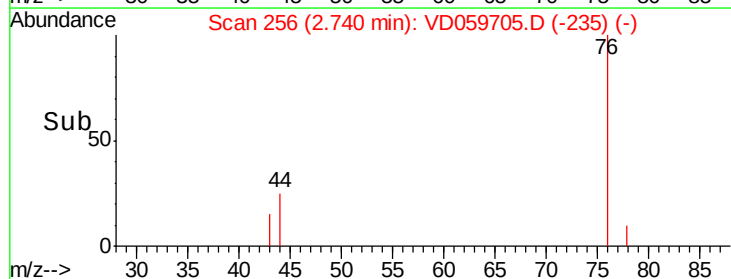
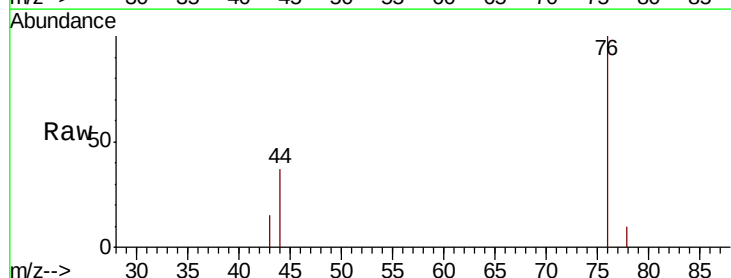
Acq: 7 Aug 2018 15:27

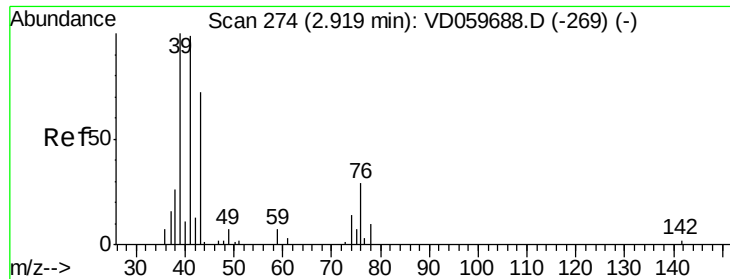
Tgt Ion: 76 Resp: 9899

Ion Ratio Lower Upper

76 100

78 10.1 7.7 11.5

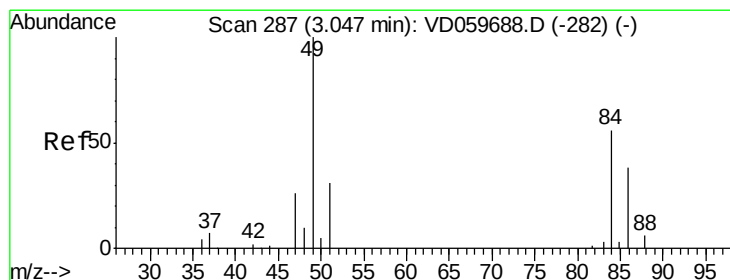
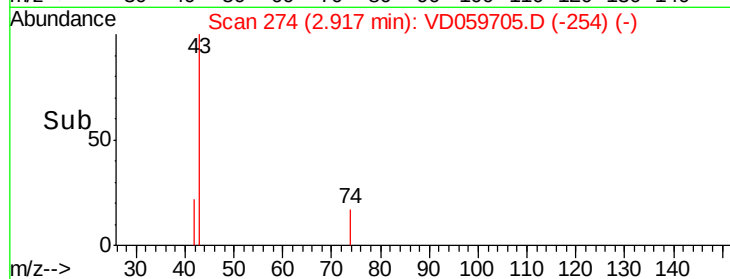
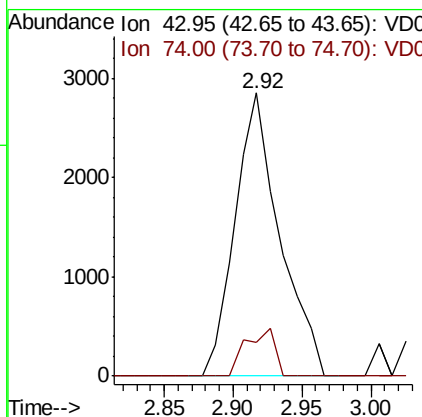
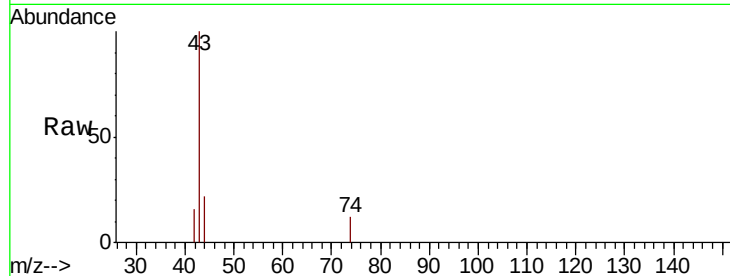




#18
Methyl Acetate
Concen: 8.445 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

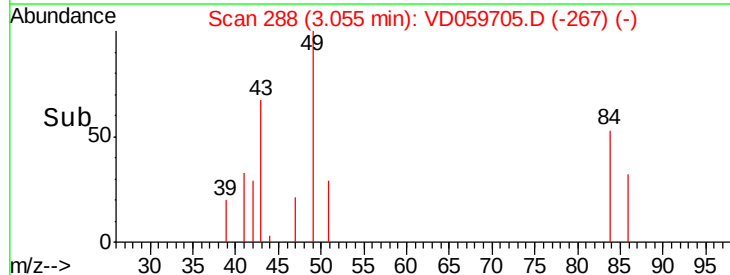
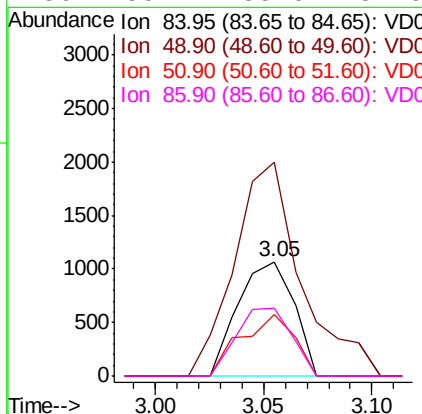
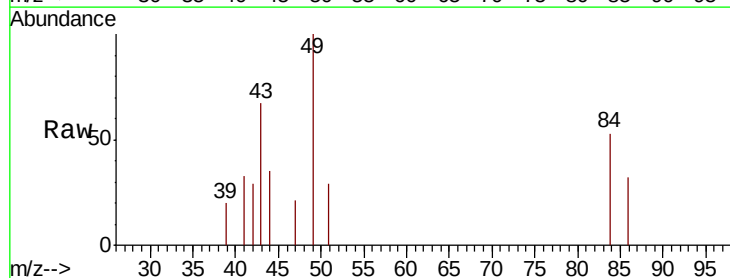
Instrument :
MSVOA_D
ClientSampleId :

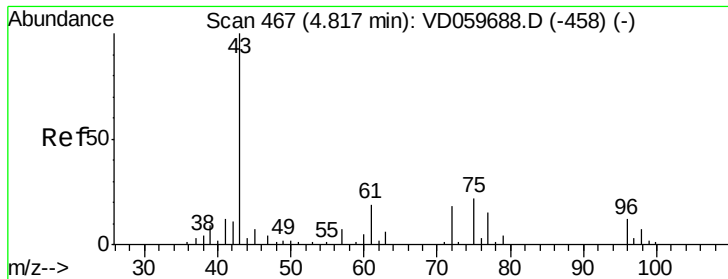
Tot Ion: 43 Resp: 6430
Ion Ratio Lower Upper
43 100
74 12.0 15.7 23.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.05 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Tgt Ion: 84 Resp: 1907
Ion Ratio Lower Upper
84 100
49 187.0 143.4 215.2
51 54.0 44.2 66.4
86 59.4 55.0 82.6





#25

2-Butanone

Concen: 54.138 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

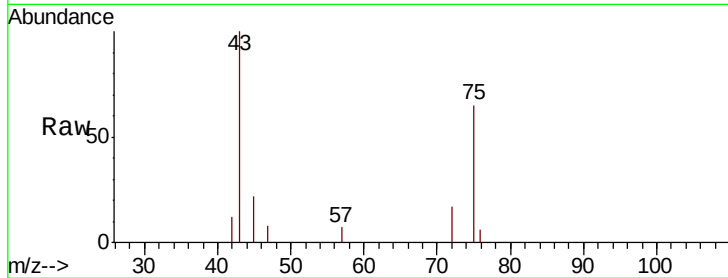
ClientSampleId :

Tot Ion: 43 Resp: 29298

Ion Ratio Lower Upper

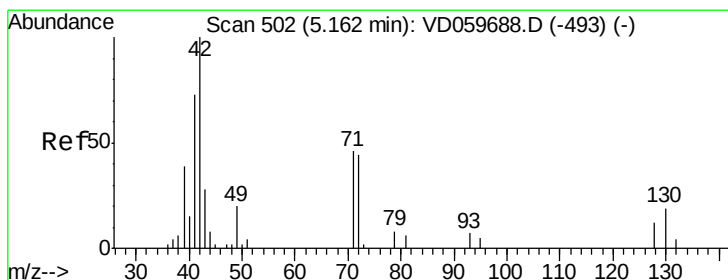
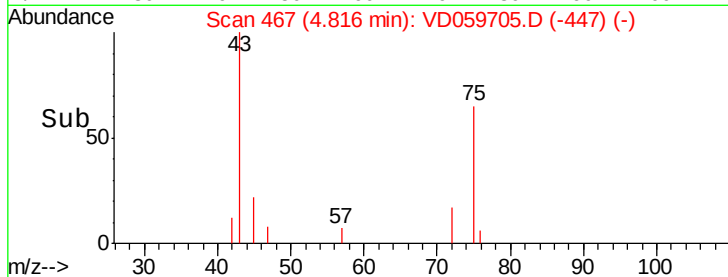
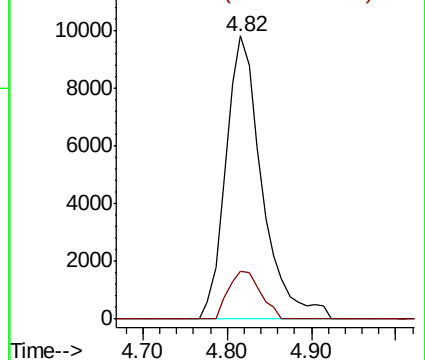
43 100

72 17.1 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 12.410 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.35 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

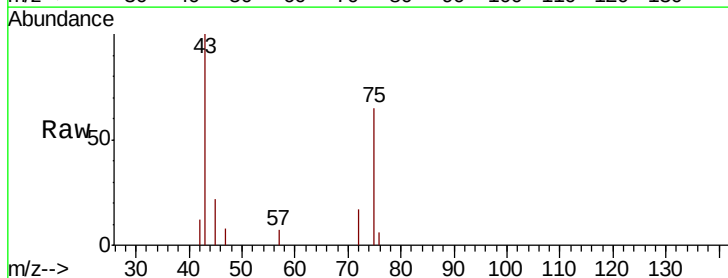
Tgt Ion: 42 Resp: 2601

Ion Ratio Lower Upper

42 100

72 169.2 36.7 55.1#

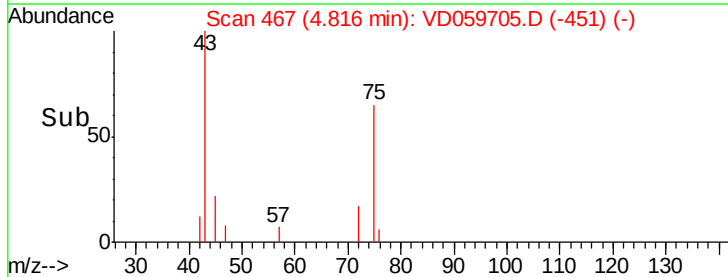
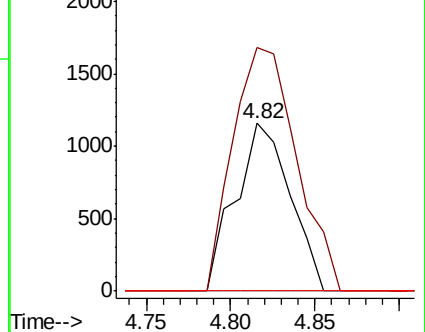
71 0.0 36.3 54.5#

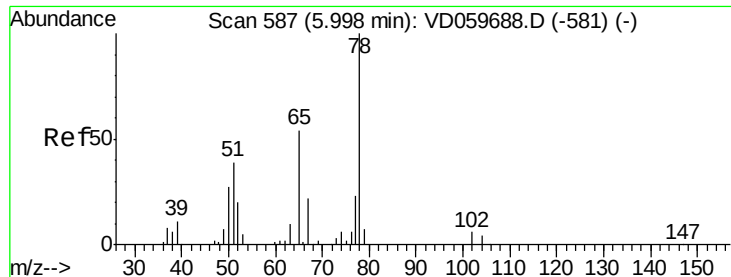


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

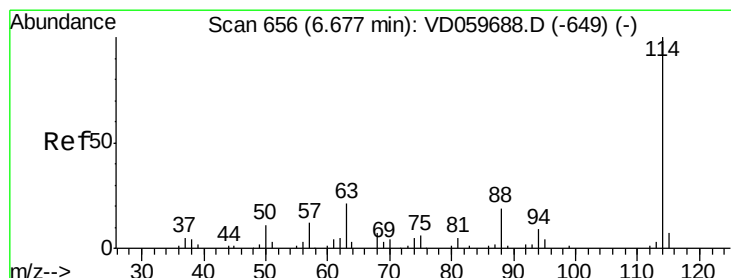
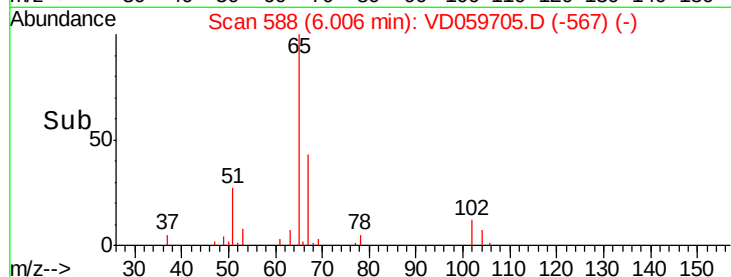
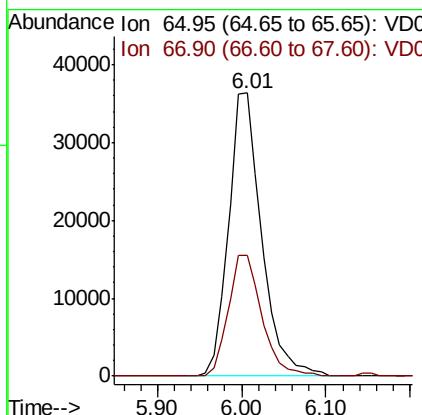
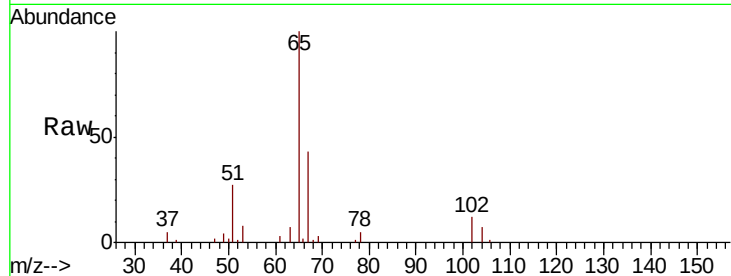




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

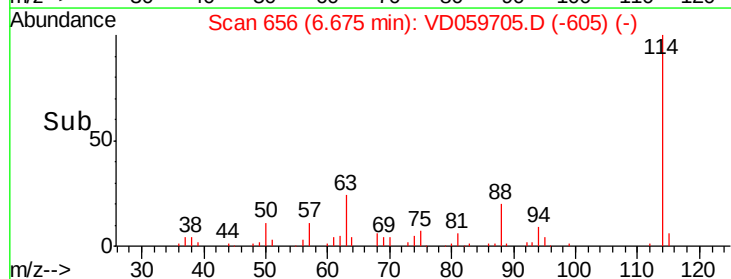
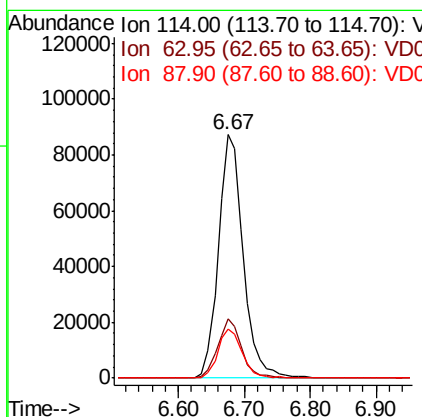
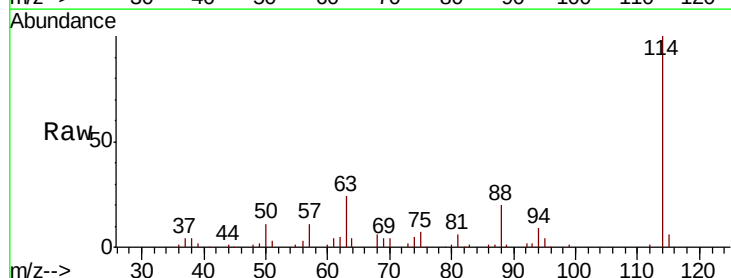
Instrument :
 MSVOA_D
 ClientSampled :

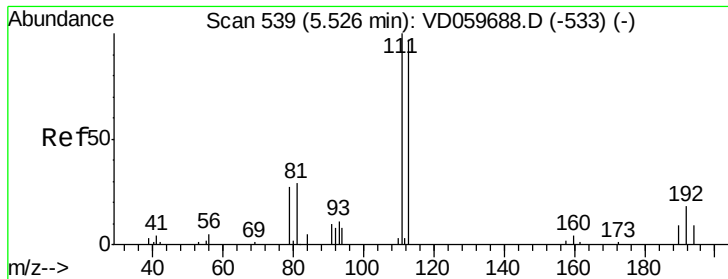
Tot Ion: 65 Resp: 99014
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Tgt Ion: 114 Resp: 227583
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 42.6
 88 20.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 540

Delta R.T. 0.01 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

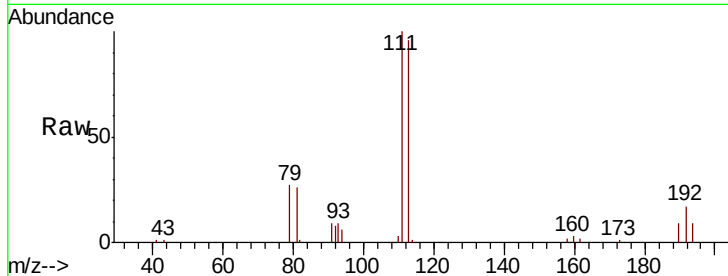
Tot Ion:113 Resp: 80859

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

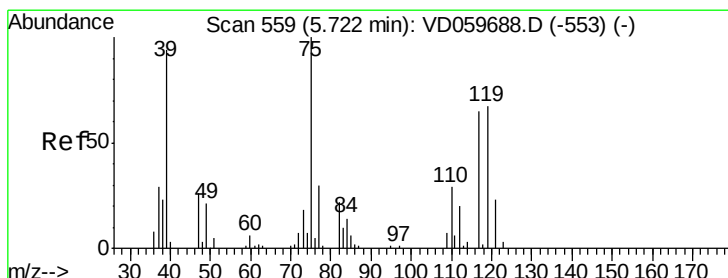
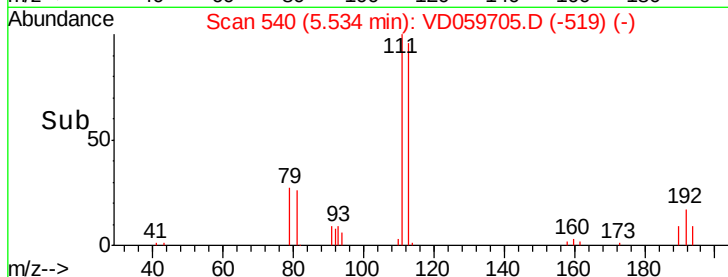
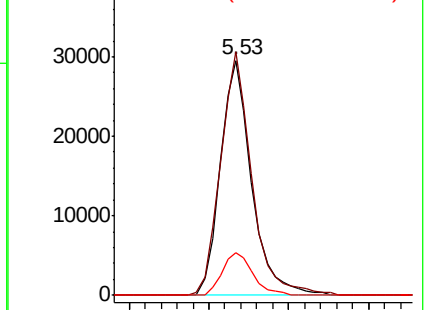
192 18.0 14.6 22.0



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: 6.170 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

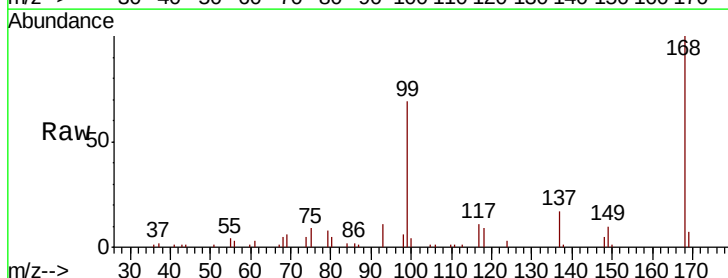
Tgt Ion: 75 Resp: 15610

Ion Ratio Lower Upper

75 100

110 6.9 14.1 42.3#

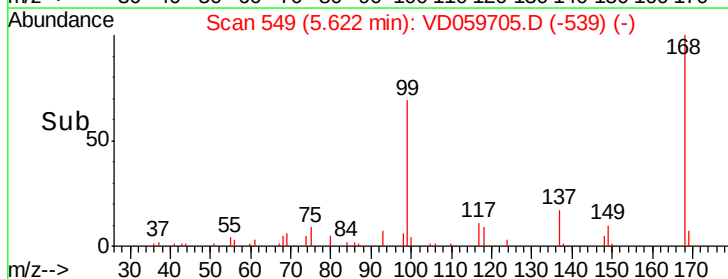
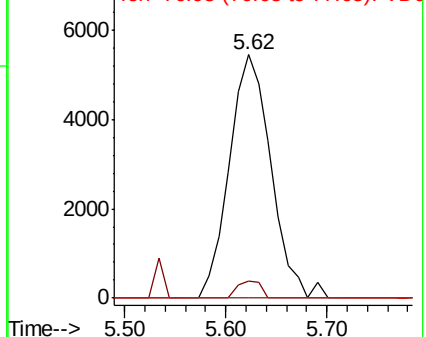
77 0.0 23.9 35.9#

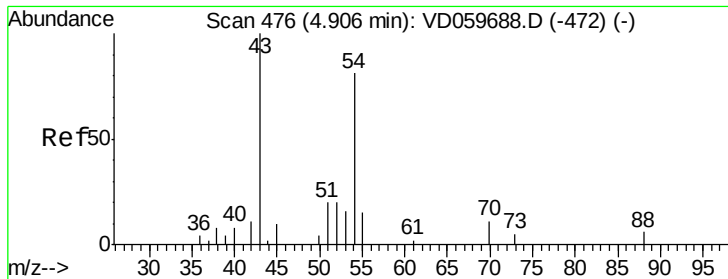


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

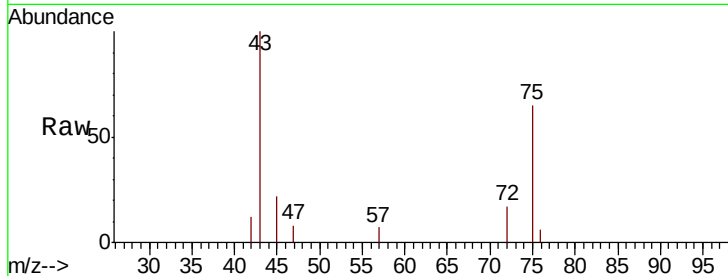




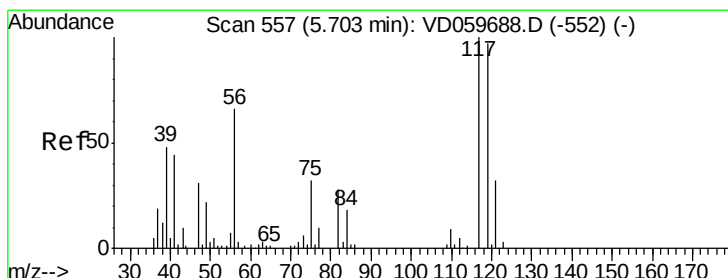
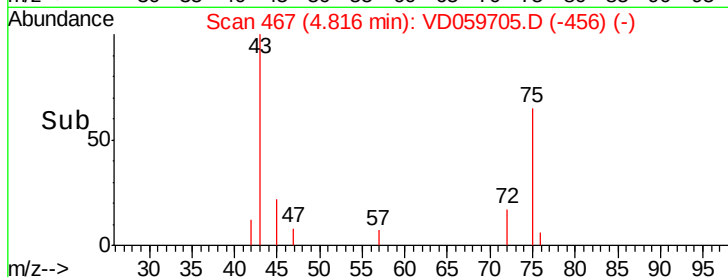
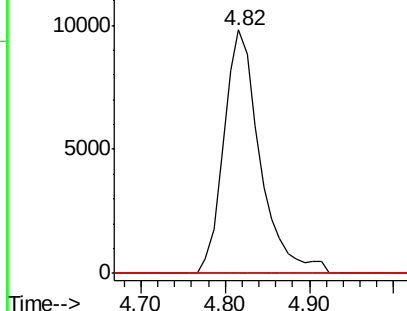
#37
Ethyl Acetate
Concen: 23.849 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.09 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 29298
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 5.4 8.2#

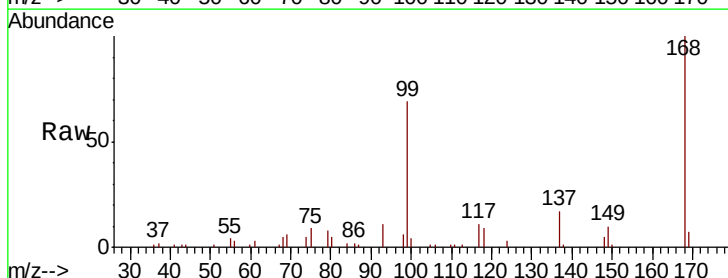


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

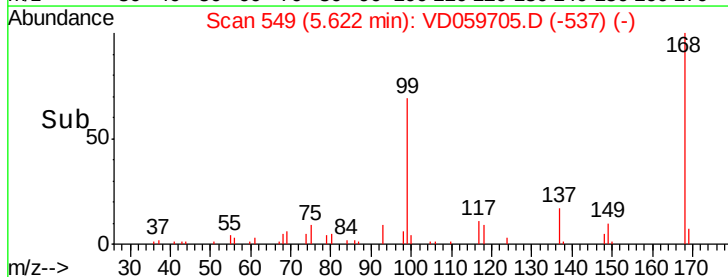
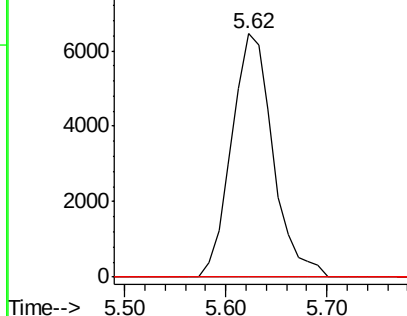


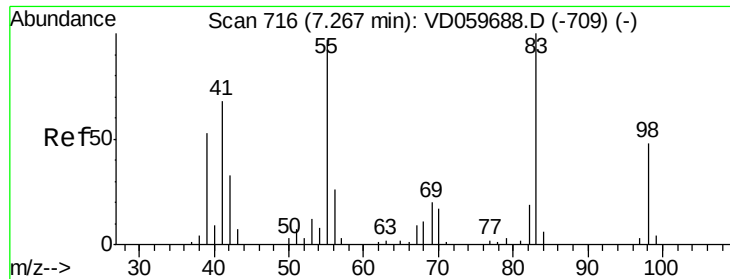
#38
Carbon Tetrachloride
Concen: 5.439 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.08 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Tgt Ion: 117 Resp: 18416
Ion Ratio Lower Upper
117 100
119 0.0 75.3 112.9#
121 0.0 24.4 36.6#



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

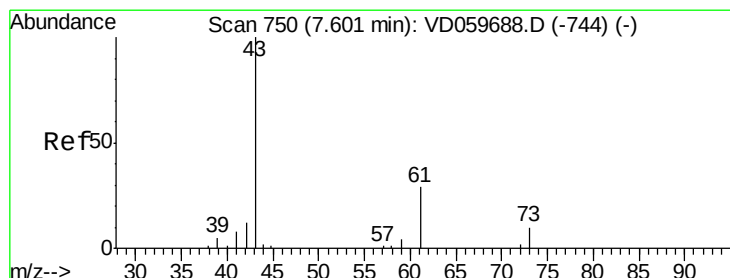
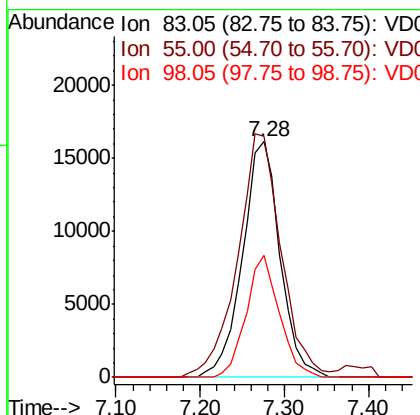
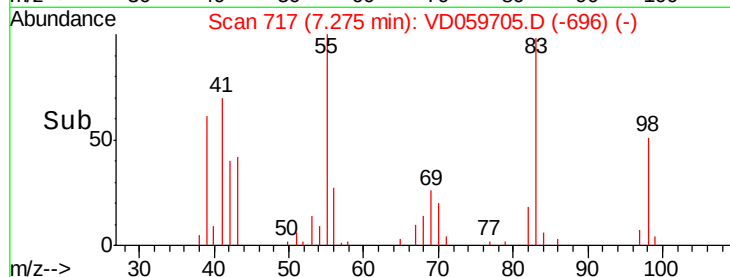
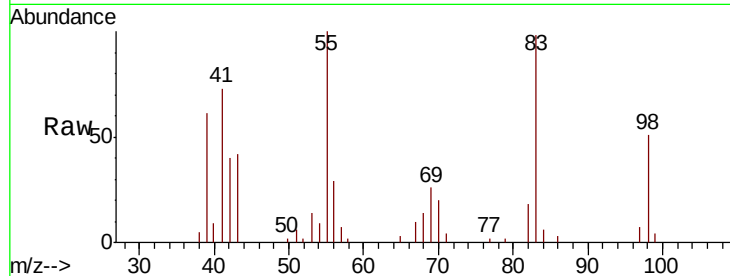




#39
Methylcyclohexane
Concen: 23.572 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

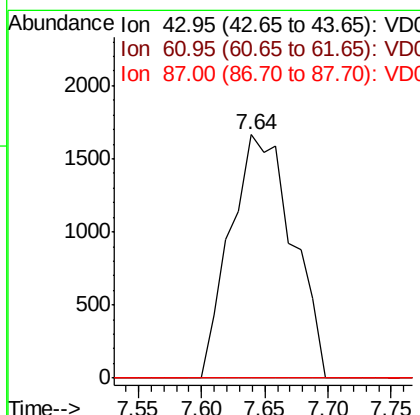
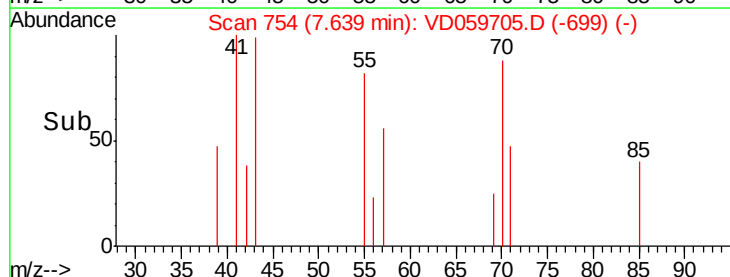
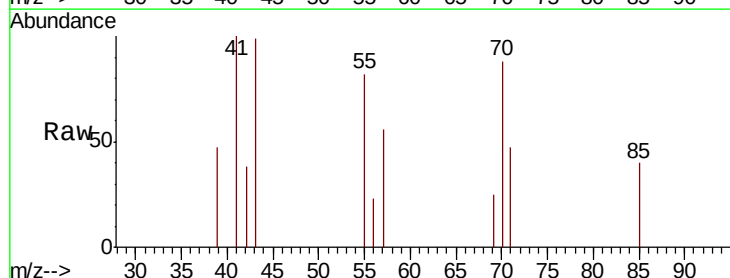
Instrument :
MSVOA_D
ClientSampled :

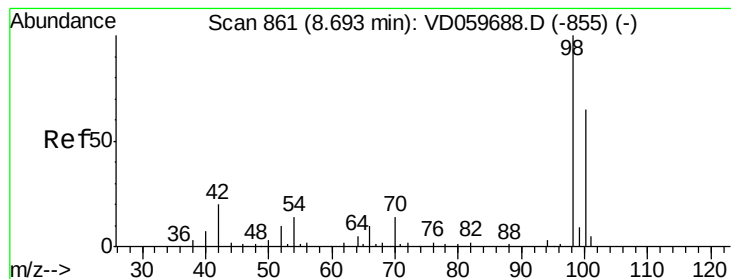
Tot Ion: 83 Resp: 50404
Ion Ratio Lower Upper
83 100
55 102.3 77.7 116.5
98 51.9 38.7 58.1



#43
Isopropyl Acetate
Concen: 3.549 ug/l
RT: 7.64 min Scan# 754
Delta R.T. 0.04 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Tgt Ion: 43 Resp: 5699
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 0.0 0.0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

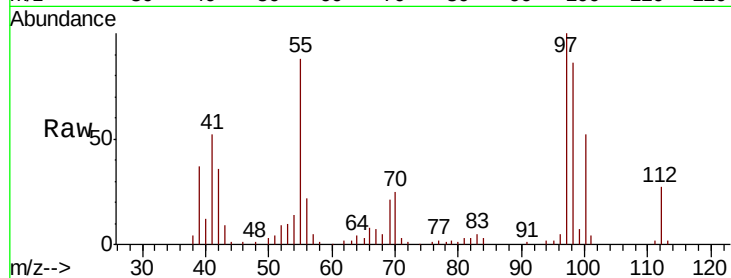
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 160399

Ion Ratio Lower Upper

98 100

100 60.4 52.5 78.7



Abundance Ion 98.05 (97.75 to 98.75): VD059688.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD059688.D (-855) (-)

8.70

60000

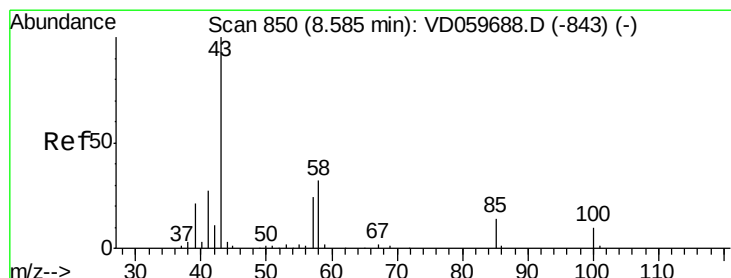
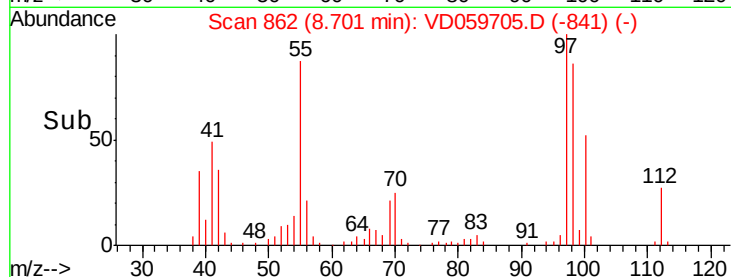
40000

20000

0

8.60 8.70 8.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.178 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059705.D

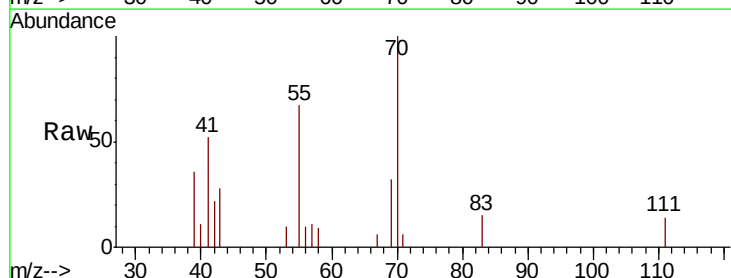
Acq: 7 Aug 2018 15:27

Tgt Ion: 43 Resp: 2551

Ion Ratio Lower Upper

43 100

58 33.6 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VD059688.D (-843) (-)

Ion 57.95 (57.65 to 58.65): VD059688.D (-843) (-)

8.58

8000

6000

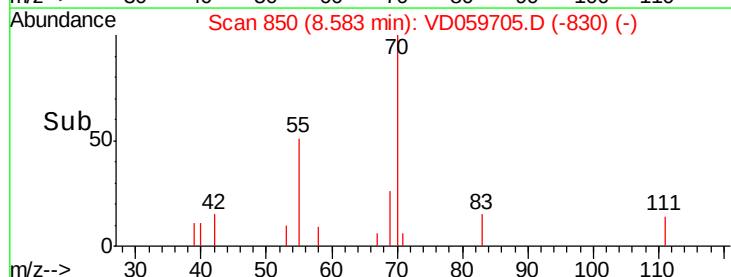
4000

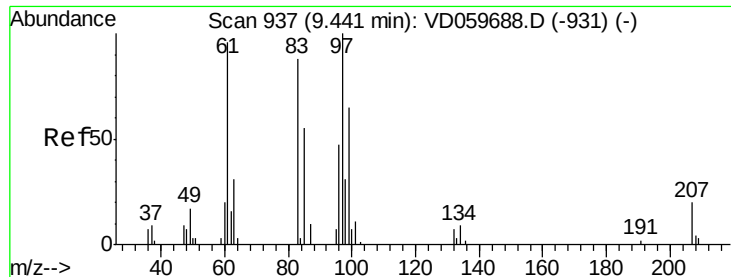
2000

0

8.50 8.55 8.60 8.65

Time-->





#55

1,1,2-Trichloroethane

Concen: 4.555 ug/l

RT: 9.51 min Scan# 944

Delta R.T. 0.07 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 5476

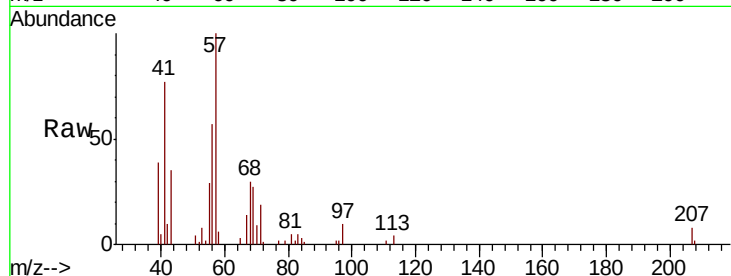
Ion Ratio Lower Upper

97 100

83 49.4 70.8 106.2#

85 13.7 44.1 66.1#

99 0.0 52.2 78.4#

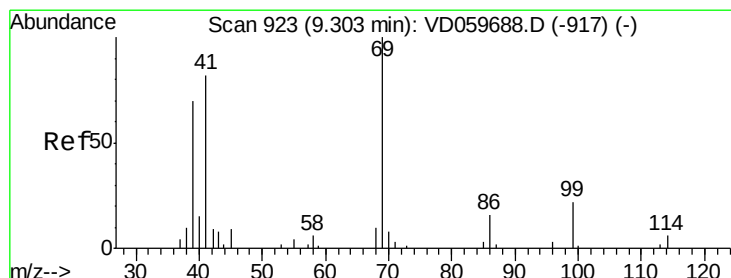
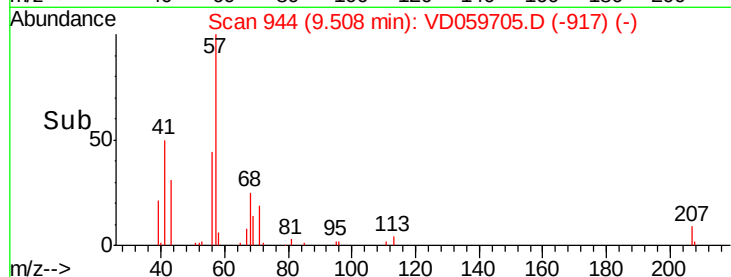
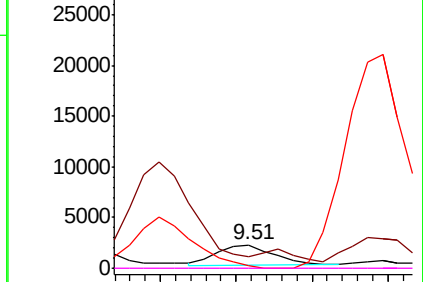


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 25.582 ug/l

RT: 9.36 min Scan# 929

Delta R.T. 0.06 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

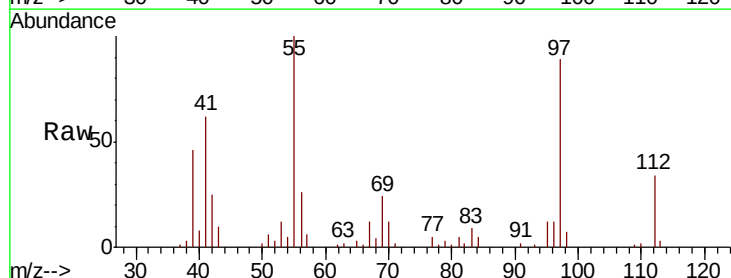
Tgt Ion: 69 Resp: 33935

Ion Ratio Lower Upper

69 100

41 260.9 65.7 98.5#

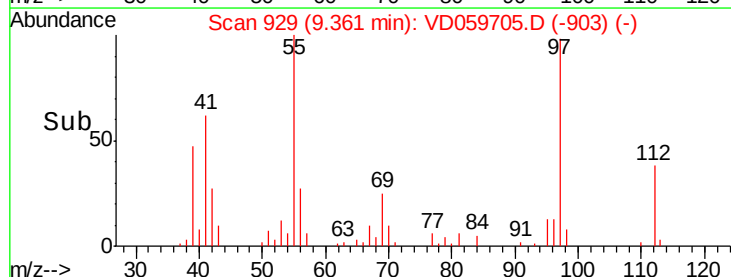
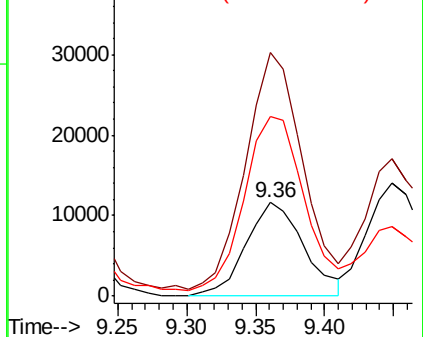
39 192.9 55.8 83.8#

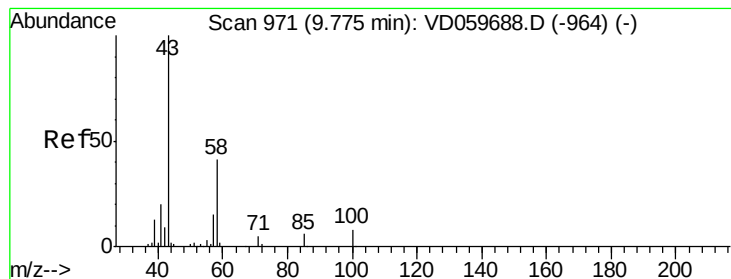


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#59

2-Hexanone

Concen: 596.519 ug/l

RT: 9.74 min Scan# 968

Delta R.T. -0.03 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

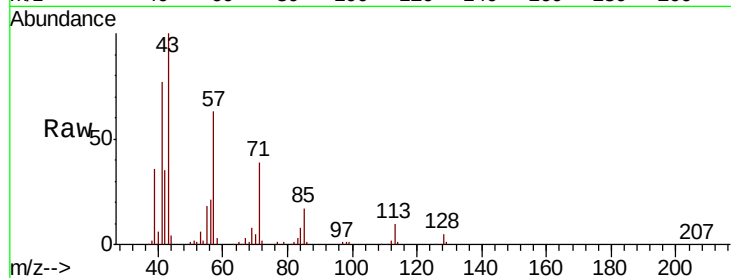
ClientSampled :

Tot Ion: 43 Resp: 524541

Ion Ratio Lower Upper

43 100

58 2.7 20.4 61.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.74

200000

150000

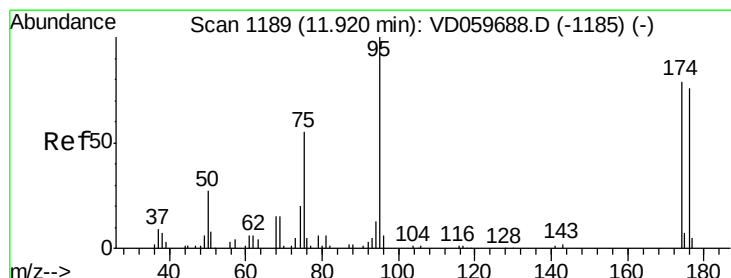
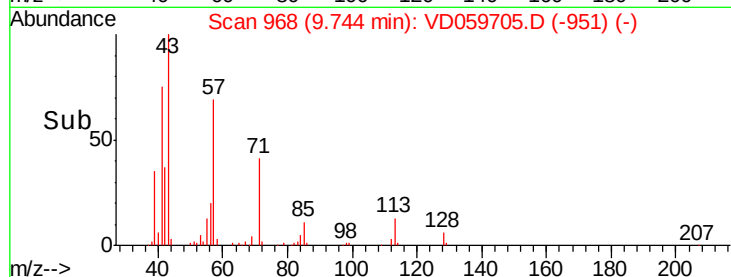
100000

50000

0

9.60 9.70 9.80 9.90

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

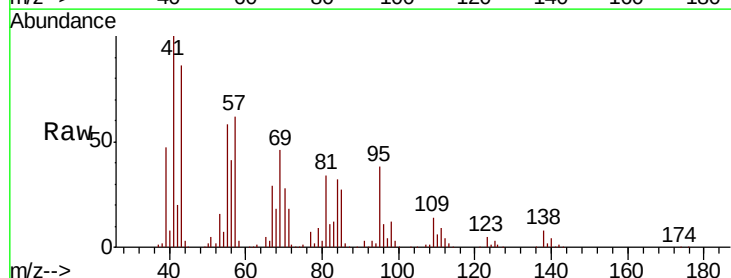
Tgt Ion: 95 Resp: 197382

Ion Ratio Lower Upper

95 100

174 1.2 0.0 158.4

176 1.2 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

250000

200000

150000

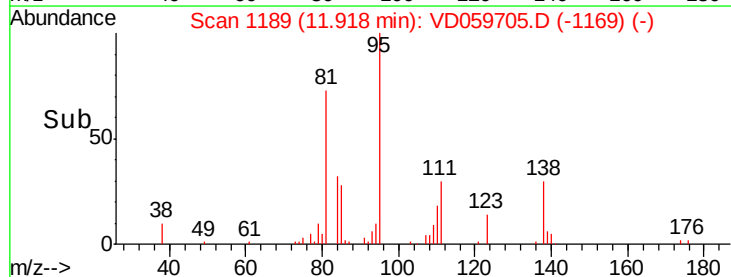
100000

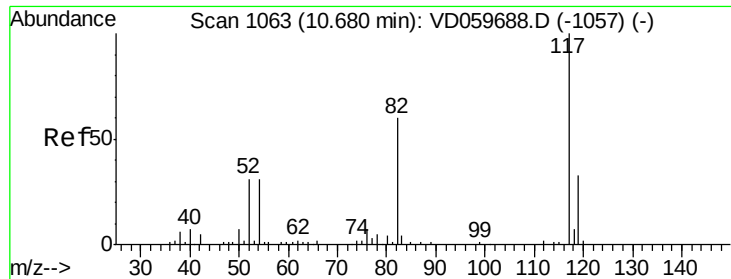
50000

0

11.90 11.95

Time-->

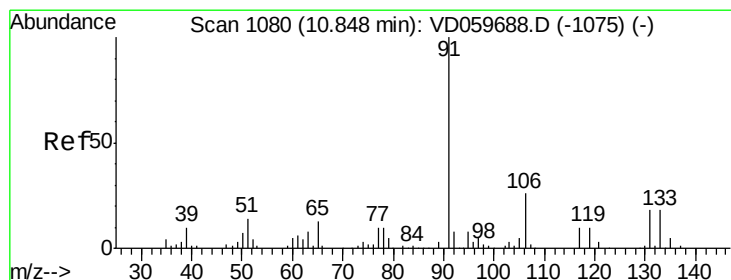
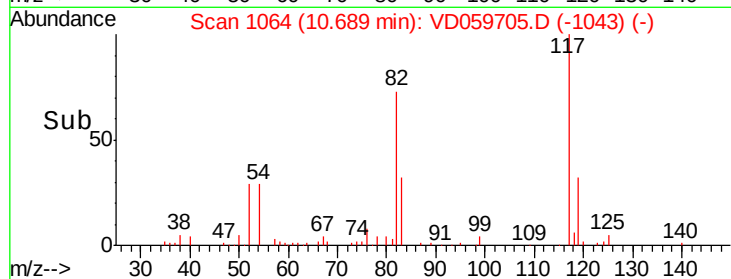
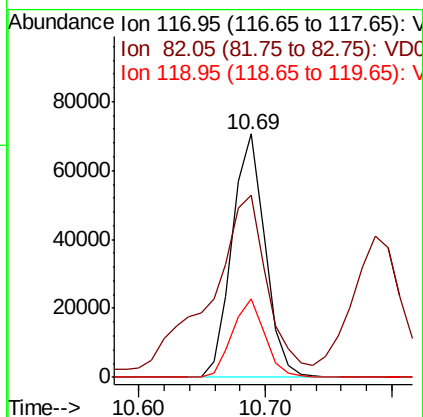
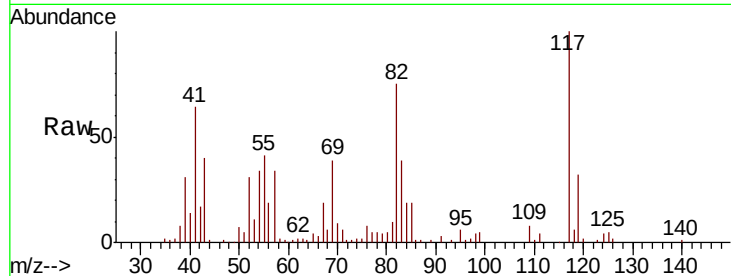




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

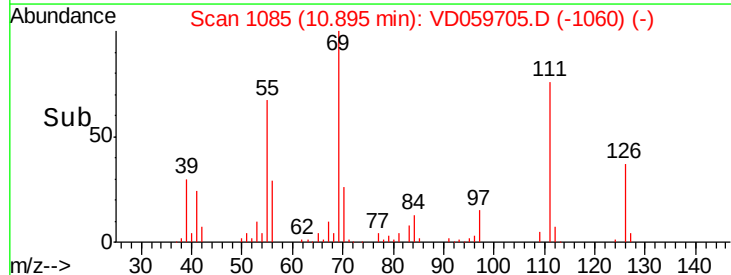
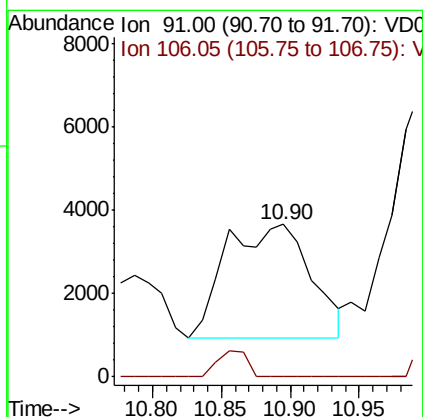
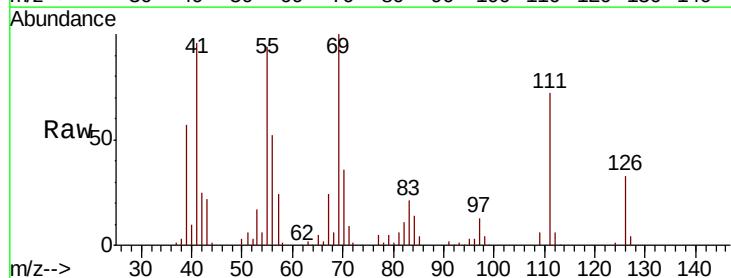
Instrument :
MSVOA_D
ClientSampled :

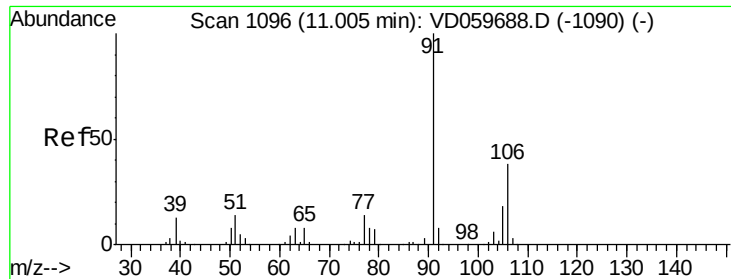
Tot Ion:117 Resp: 127526
Ion Ratio Lower Upper
117 100
82 74.8 47.7 71.5#
119 32.5 26.6 40.0



#67
Ethyl Benzene
Concen: 2.392 ug/l
RT: 10.90 min Scan# 1085
Delta R.T. 0.05 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Tgt Ion: 91 Resp: 11579
Ion Ratio Lower Upper
91 100
106 0.0 20.9 31.3#





#68

m/p-Xylenes

Concen: 2.851 ug/l

RT: 11.02 min Scan# 1098

Delta R.T. 0.02 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

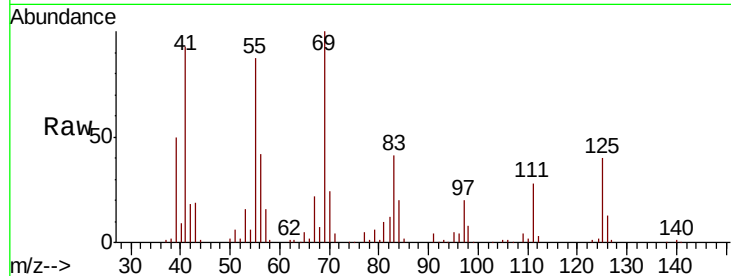
ClientSampled :

Tot Ion:106 Resp: 4414

Ion Ratio Lower Upper

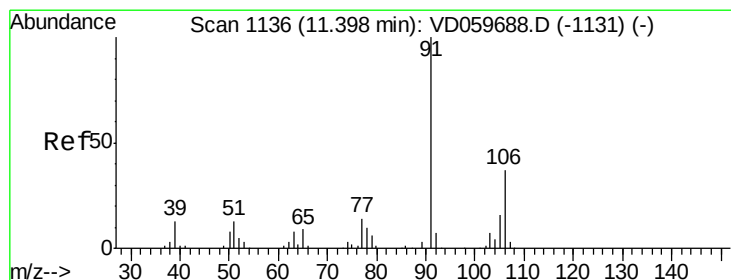
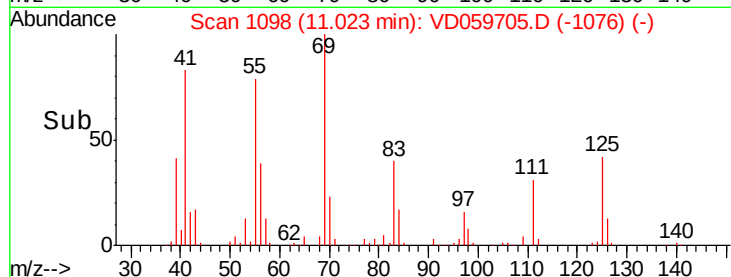
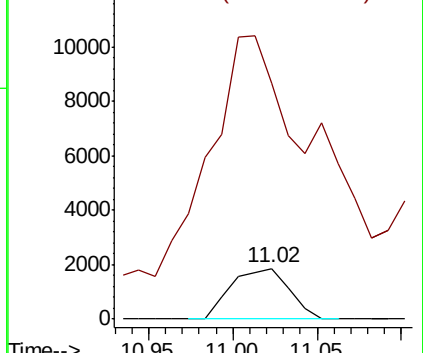
106 100

91 466.7 209.7 314.5#



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 2.078 ug/l

RT: 11.41 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD059705.D

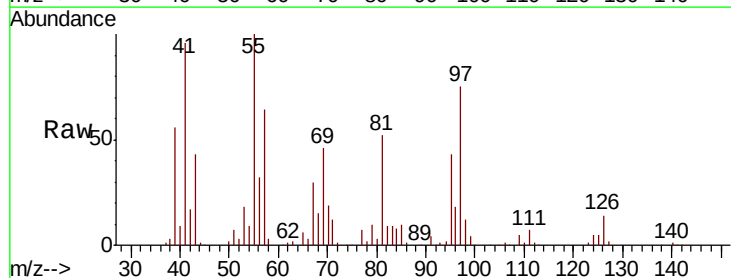
Acq: 7 Aug 2018 15:27

Tgt Ion:106 Resp: 3127

Ion Ratio Lower Upper

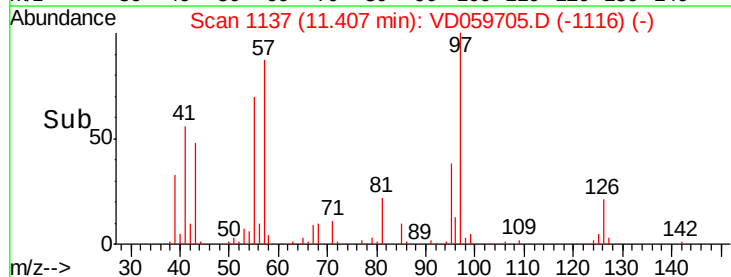
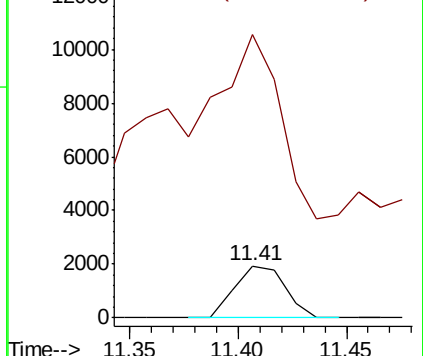
106 100

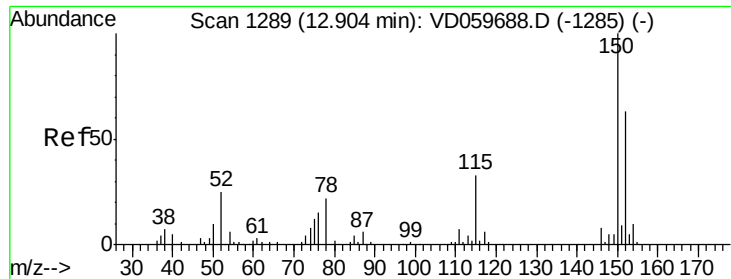
91 542.3 135.2 405.6#



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



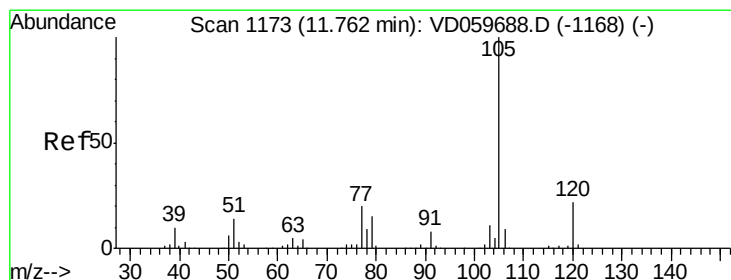
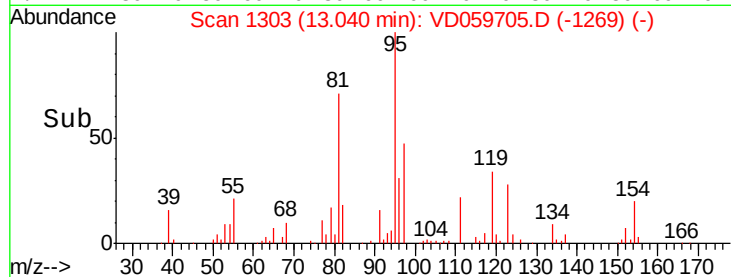
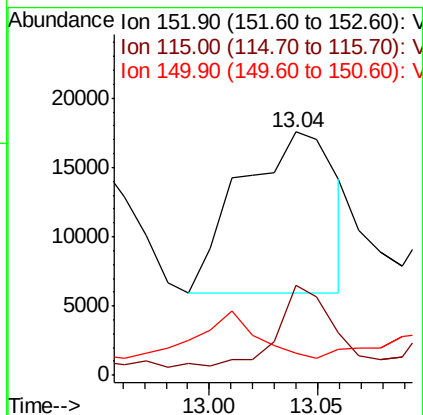
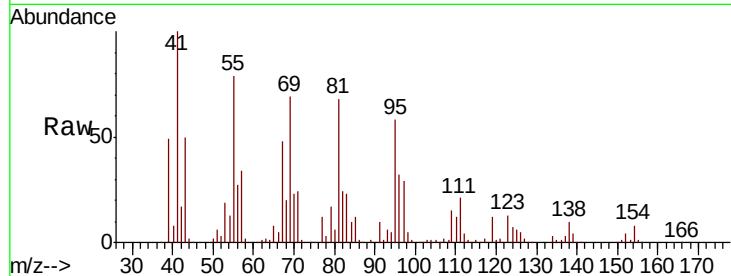


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.04 min Scan# 1303
Delta R.T. 0.14 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Instrument :
MSVOA_D
ClientSampled :

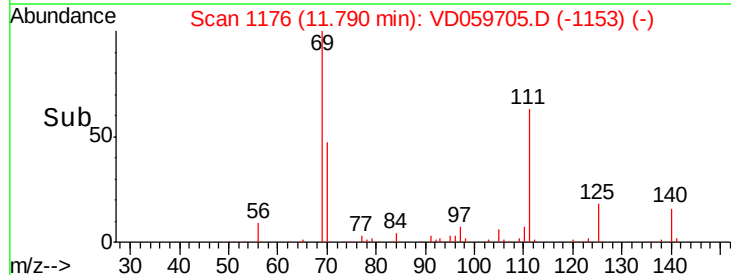
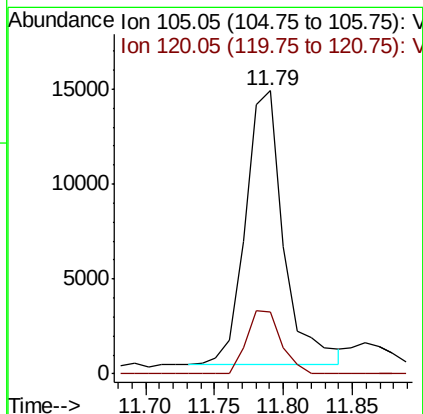
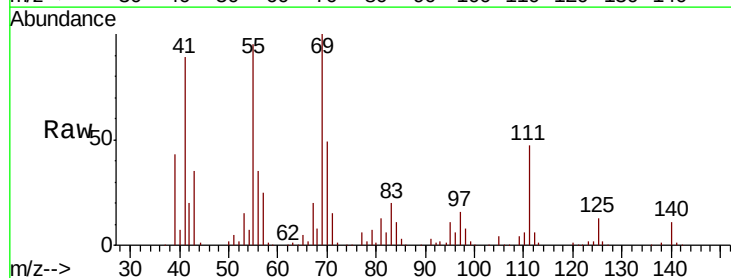
Tot Ion:152 Resp: 35071
Ion Ratio Lower Upper
152 100
115 37.0 28.8 86.4
150 9.1 0.0 318.0

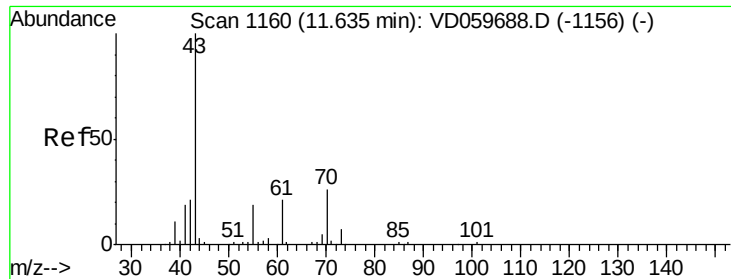


#73

Isopropylbenzene
Concen: 11.910 ug/l
RT: 11.79 min Scan# 1176
Delta R.T. 0.03 min
Lab File: VD059705.D
Acq: 7 Aug 2018 15:27

Tgt Ion:105 Resp: 28071
Ion Ratio Lower Upper
105 100
120 21.8 10.8 32.3





#74

N-amvl acetate

Concen: 2561.924 ug/l

RT: 11.62 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 1931794

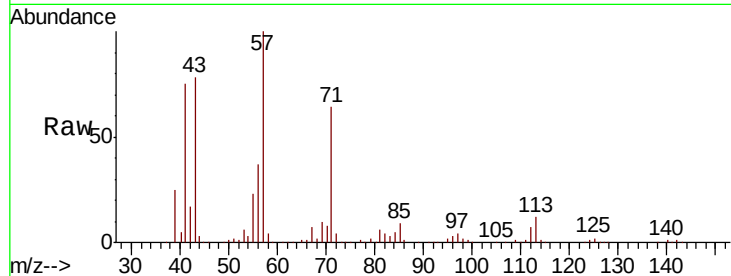
Ion Ratio Lower Upper

43 100

70 10.7 21.0 31.6#

55 29.9 15.4 23.2#

61 0.0 16.8 25.2#

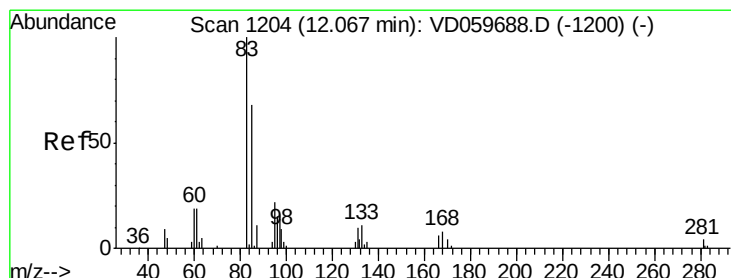
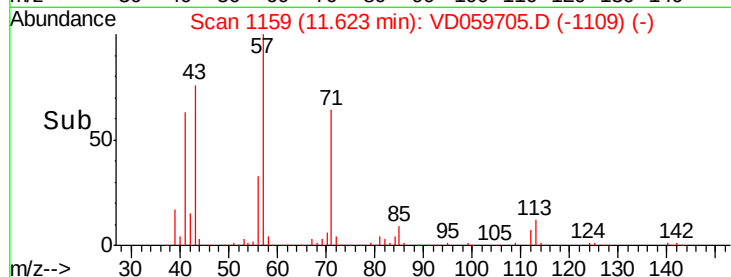
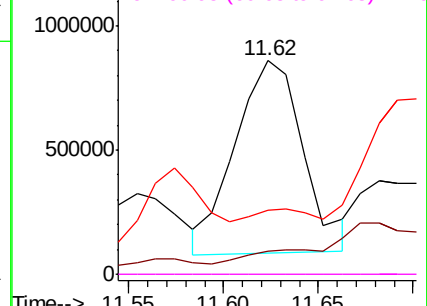


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 1196.358 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.04 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

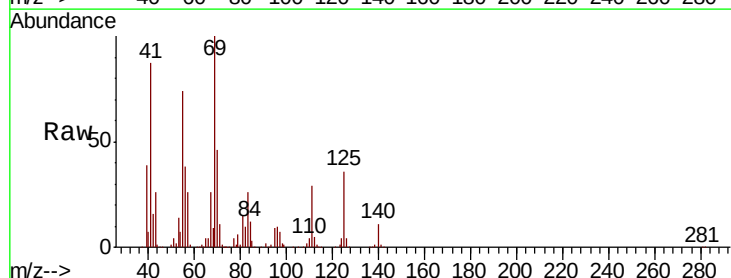
Tgt Ion: 83 Resp: 565822

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

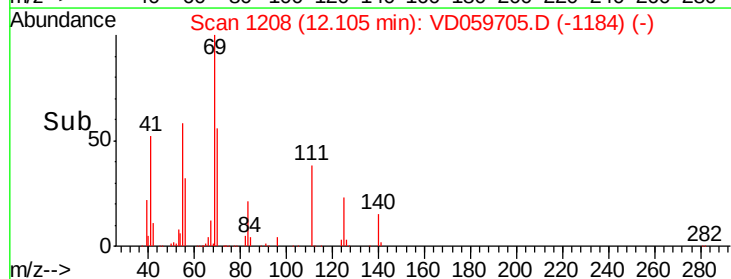
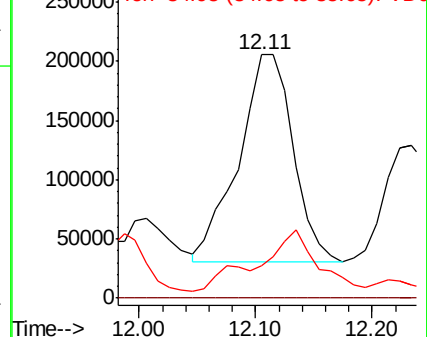
85 13.3 34.1 102.2#

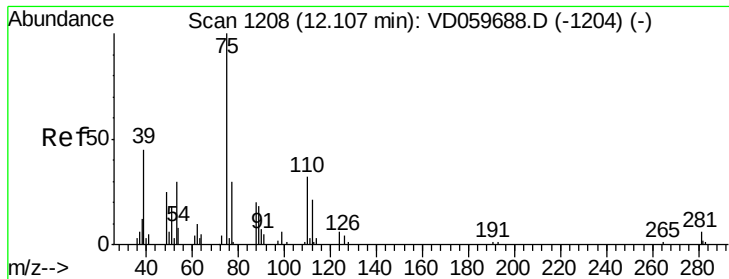


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 9.151 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

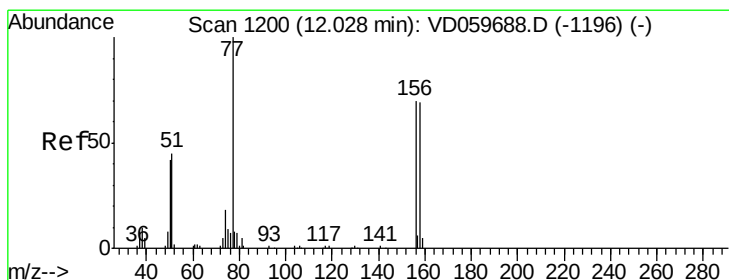
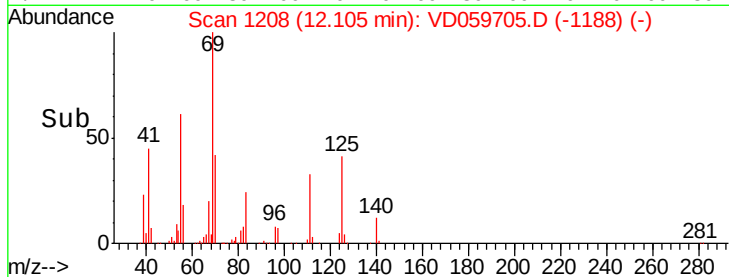
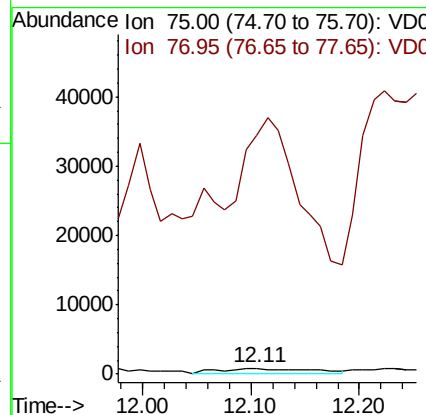
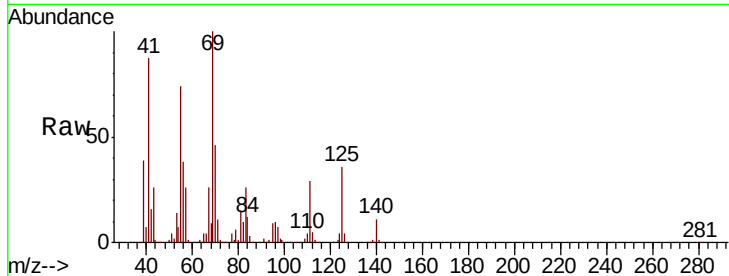
ClientSampled :

Tot Ion: 75 Resp: 4961

Ion Ratio Lower Upper

75 100

77 3992.6 15.5 46.5#



#77

Bromobenzene

Concen: 2.429 ug/l

RT: 12.13 min Scan# 1211

Delta R.T. 0.11 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

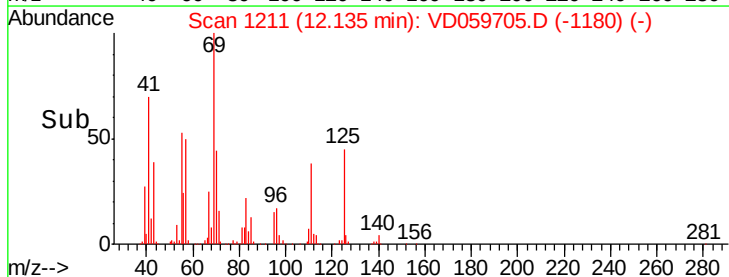
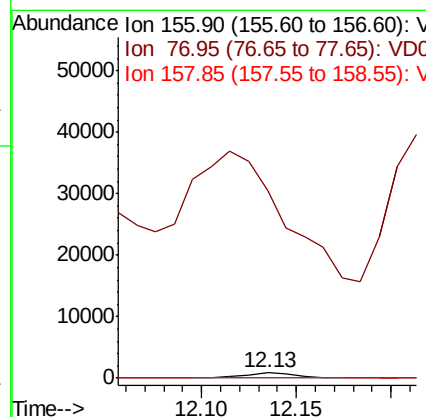
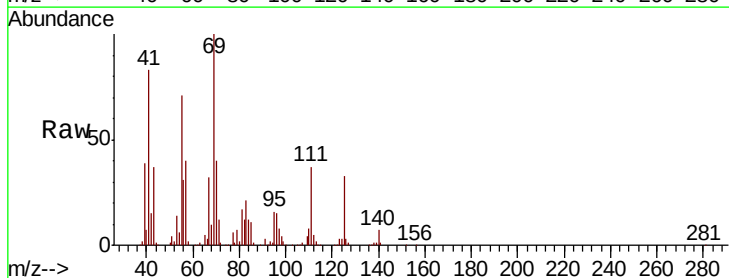
Tgt Ion: 156 Resp: 1669

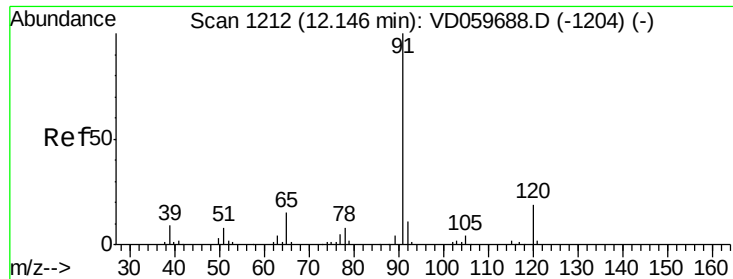
Ion Ratio Lower Upper

156 100

77 3738.6 71.2 213.6#

158 0.0 49.1 147.3#





#78

n-propylbenzene

Concen: 9.237 ug/l

RT: 12.16 min Scan# 1214

Delta R.T. 0.02 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

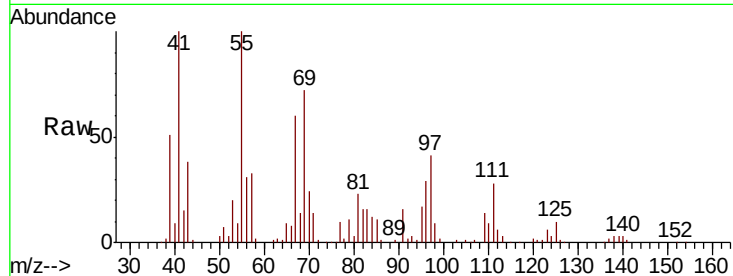
ClientSampleId :

Tot Ion: 91 Resp: 26981

Ion Ratio Lower Upper

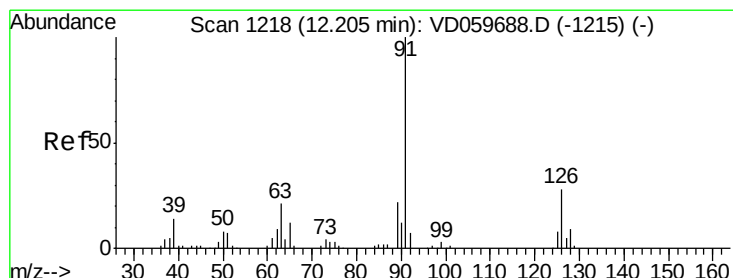
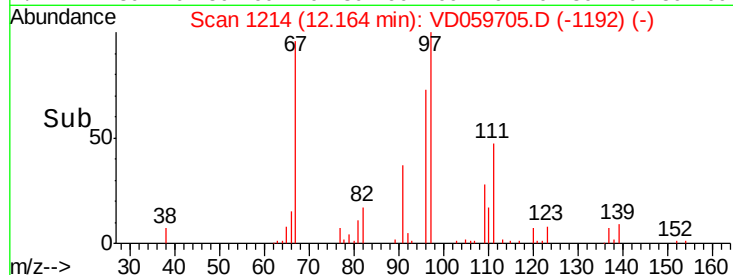
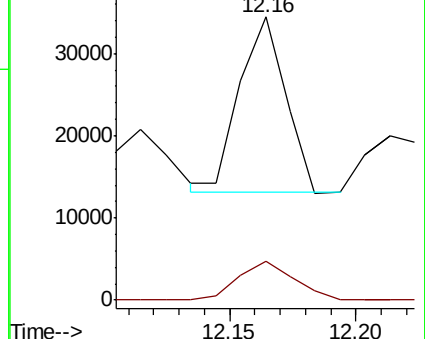
91 100

120 13.9 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 16.421 ug/l

RT: 12.28 min Scan# 1226

Delta R.T. 0.08 min

Lab File: VD059705.D

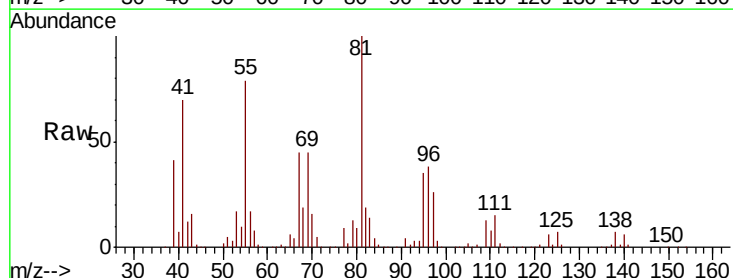
Acq: 7 Aug 2018 15:27

Tgt Ion: 91 Resp: 28967

Ion Ratio Lower Upper

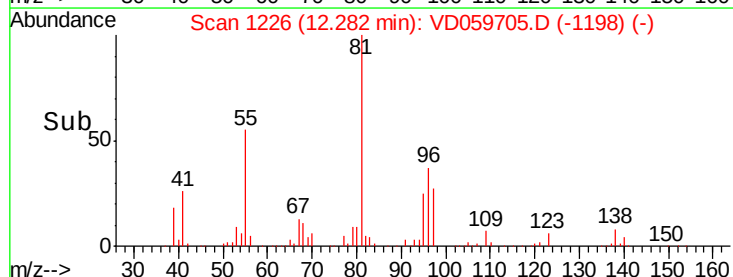
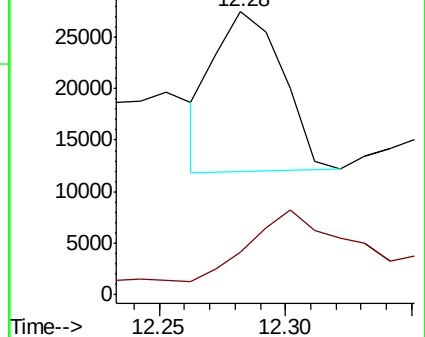
91 100

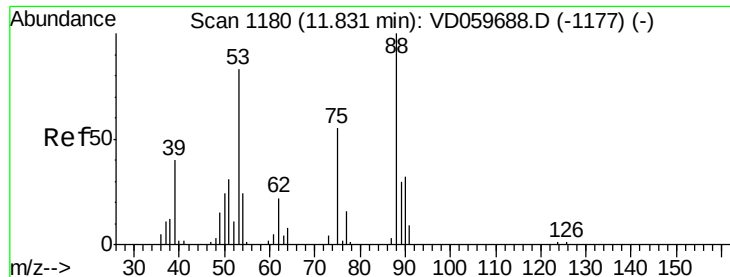
126 15.2 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.041 ug/l

RT: 11.86 min Scan# 1183

Delta R.T. 0.03 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

ClientSampled :

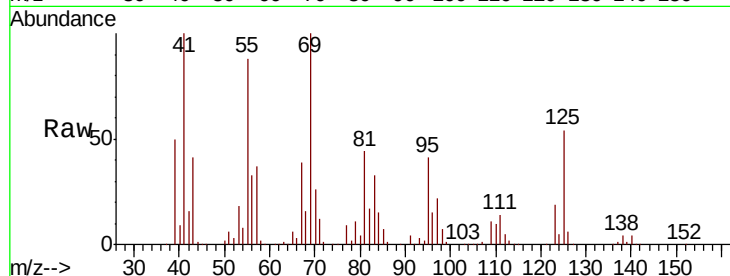
Tot Ion: 75 Resp: 2387

Ion Ratio Lower Upper

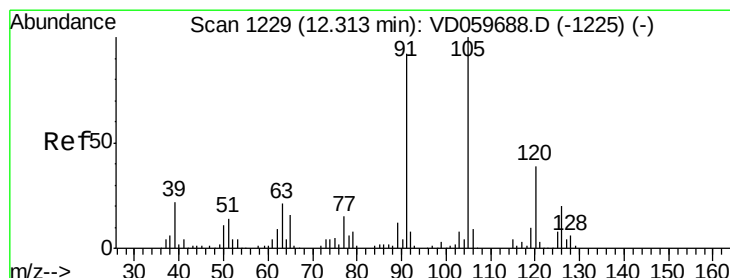
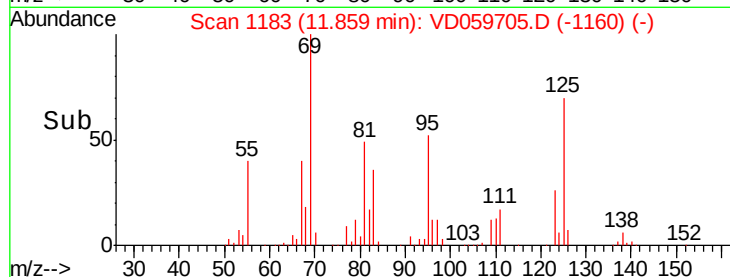
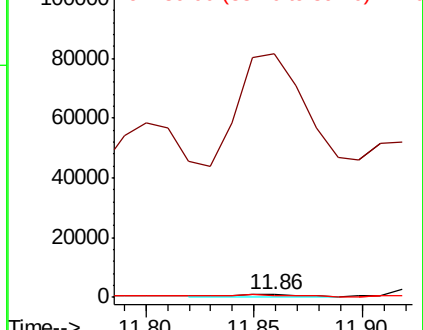
75 100

53 8770.8 120.5 180.7#

89 80.8 44.4 66.6#



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: 17.650 ug/l

RT: 12.28 min Scan# 1226

Delta R.T. -0.03 min

Lab File: VD059705.D

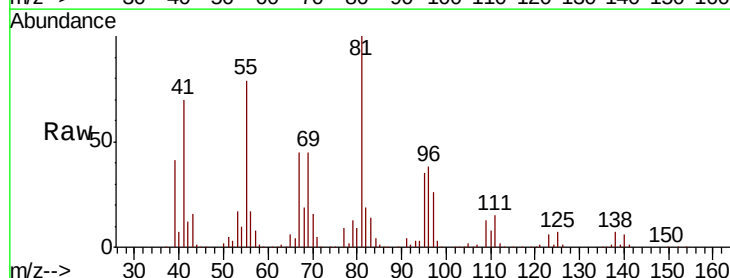
Acq: 7 Aug 2018 15:27

Tgt Ion: 91 Resp: 36446

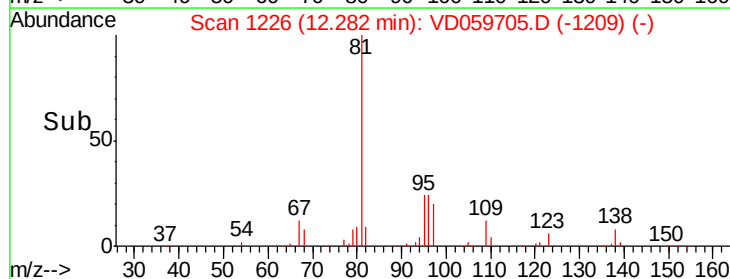
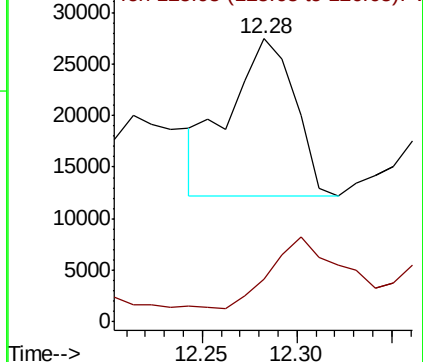
Ion Ratio Lower Upper

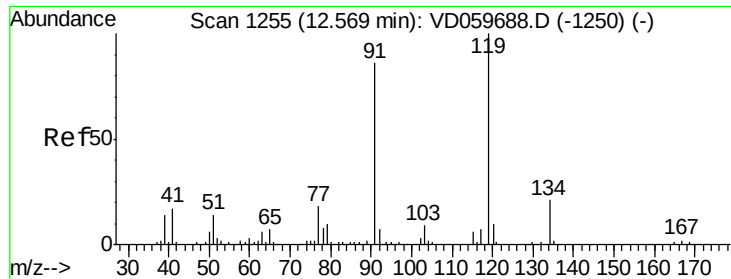
91 100

126 15.2 10.7 31.9



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





#83

tert-Butylbenzene

Concen: 10.291 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. 0.02 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

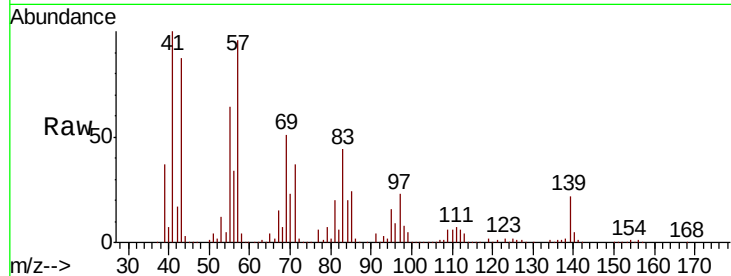
Tot Ion:119 Resp: 22614

Ion Ratio Lower Upper

119 100

91 210.3 43.3 129.9#

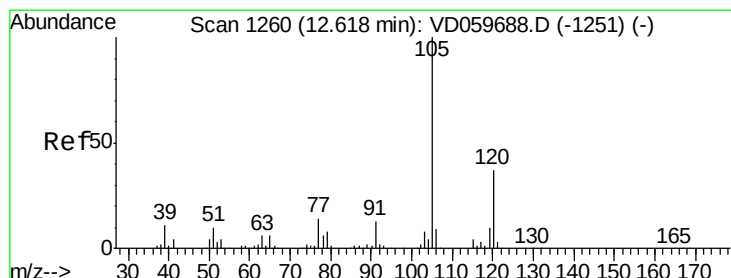
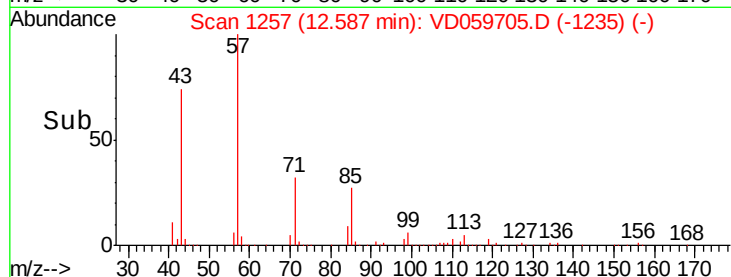
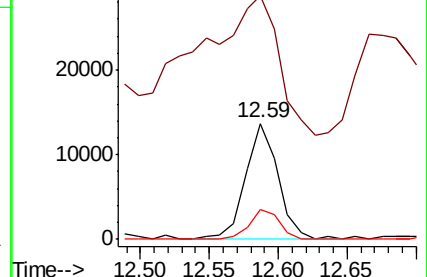
134 25.3 10.5 31.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.054 ug/l

RT: 12.64 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD059705.D

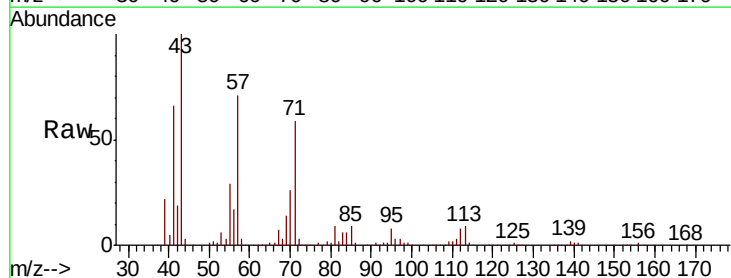
Acq: 7 Aug 2018 15:27

Tgt Ion:105 Resp: 4274

Ion Ratio Lower Upper

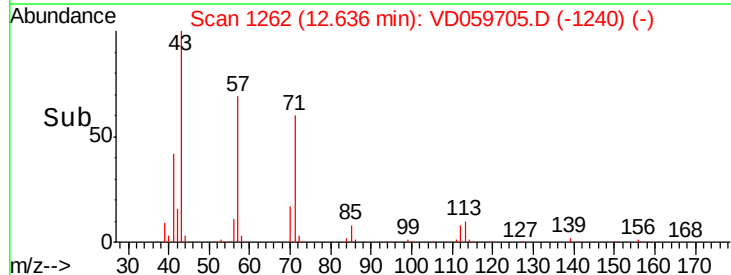
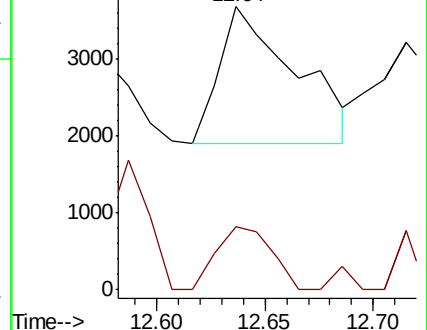
105 100

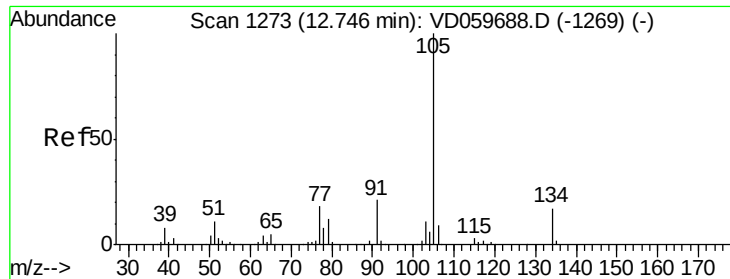
120 22.4 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

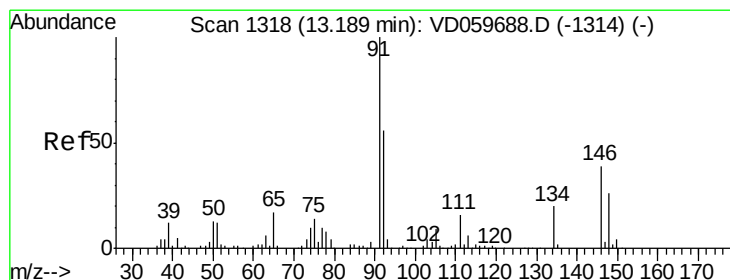
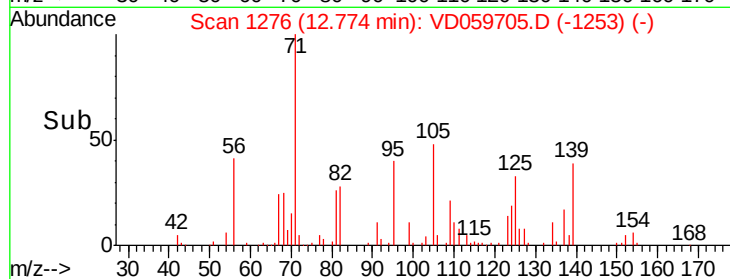
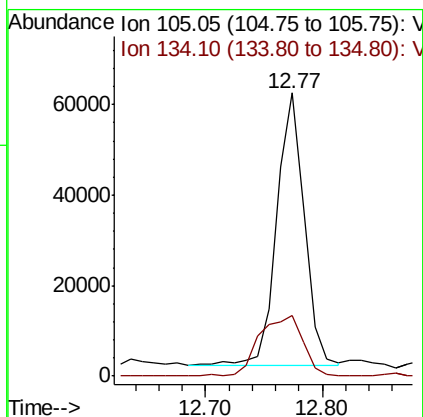
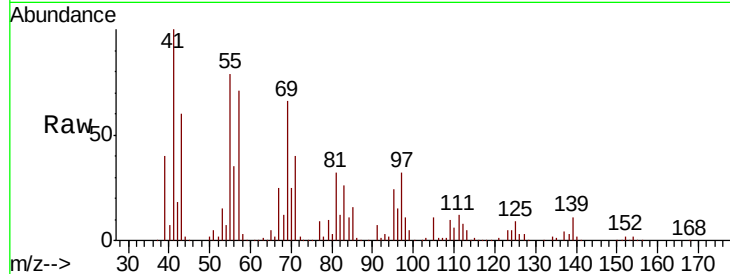




#85
 sec-Butylbenzene
 Concen: 40.556 ug/l
 RT: 12.77 min Scan# 1276
 Delta R.T. 0.03 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

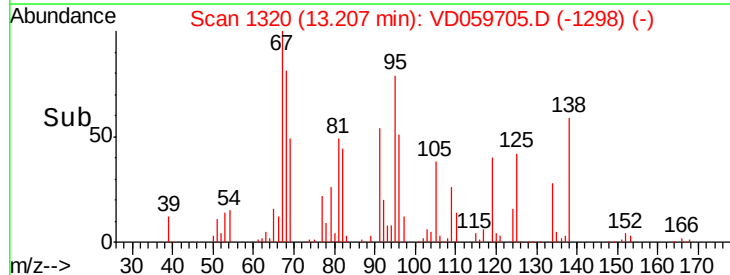
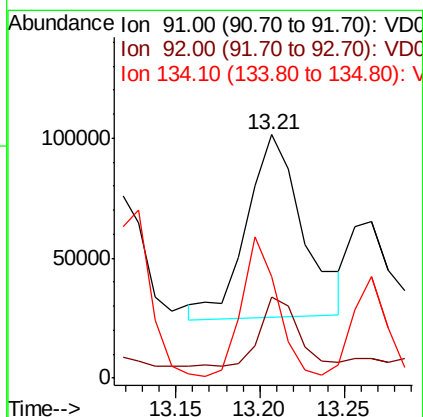
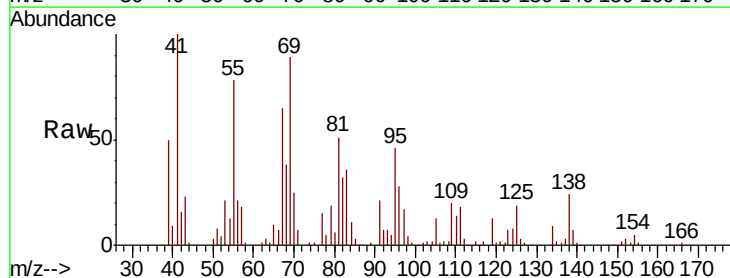
Instrument :
 MSVOA_D
 ClientSampleId :

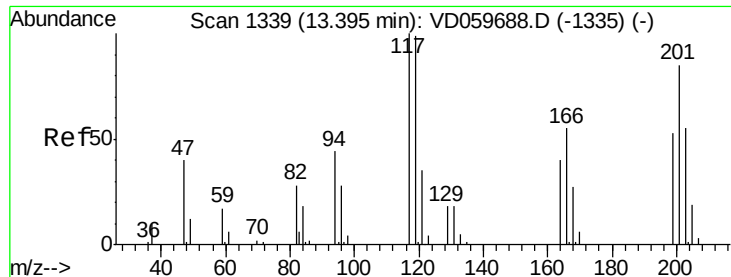
Tot Ion:105 Resp: 98971
 Ion Ratio Lower Upper
 105 100
 134 21.6 8.3 24.9



#89
 n-Butylbenzene
 Concen: 83.598 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. 0.02 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Tgt Ion: 91 Resp: 176404
 Ion Ratio Lower Upper
 91 100
 92 33.3 28.2 84.6
 134 41.9 9.8 29.5#





#90

Hexachloroethane

Concen: 364.002 ug/l

RT: 13.50 min Scan# 1350

Delta R.T. 0.11 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

Instrument :

MSVOA_D

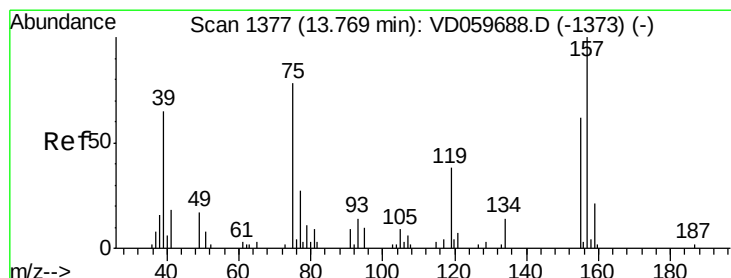
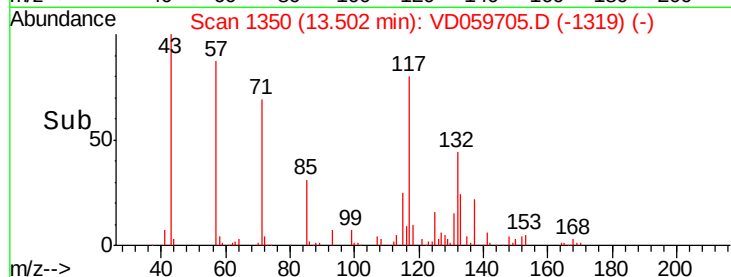
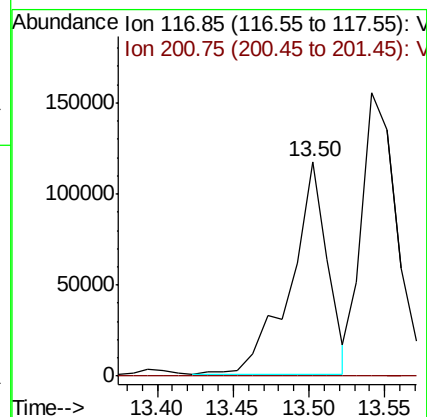
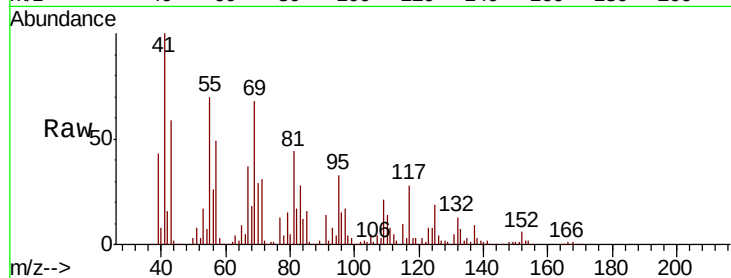
ClientSampleId :

Tot Ion:117 Resp: 196337

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 82.027 ug/l

RT: 13.76 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VD059705.D

Acq: 7 Aug 2018 15:27

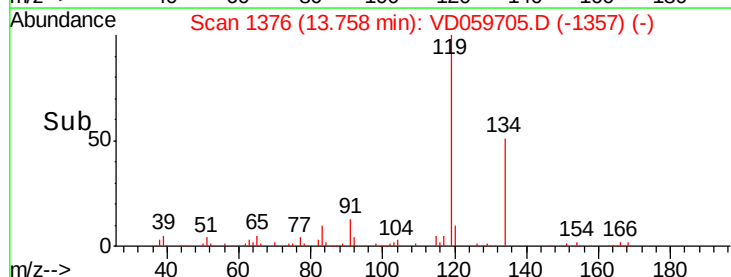
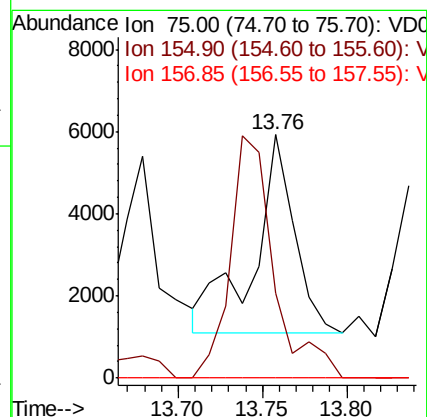
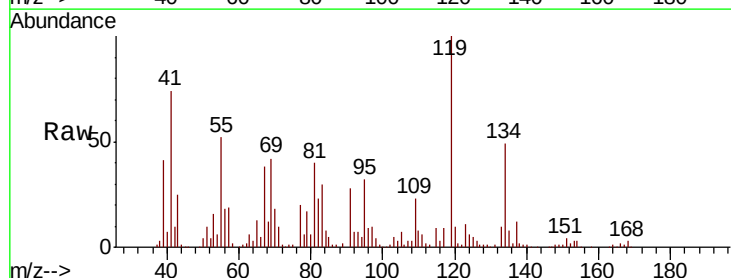
Tgt Ion: 75 Resp: 8103

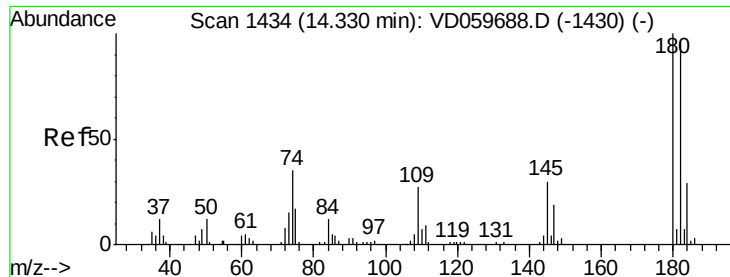
Ion Ratio Lower Upper

75 100

155 35.1 40.0 119.9#

157 0.0 64.3 192.7#

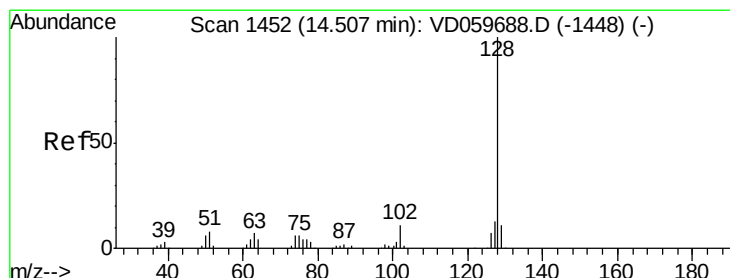
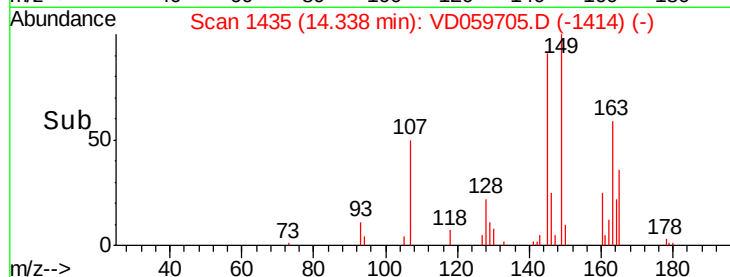
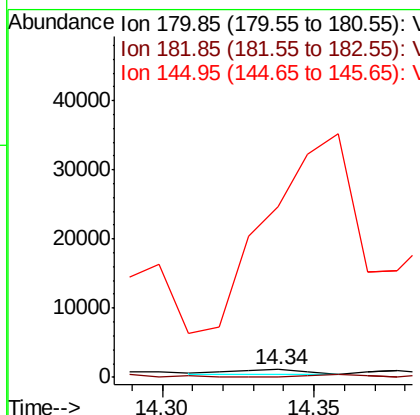
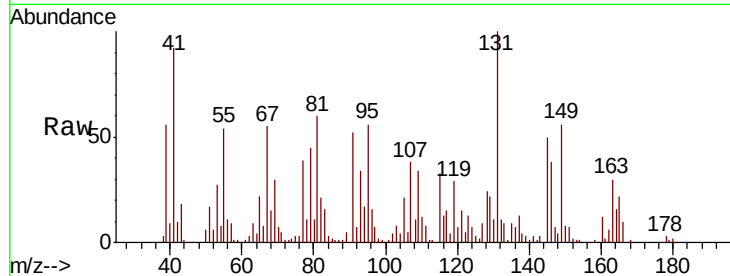




#93
 1,2,4-Trichlorobenzene
 Concen: 1.123 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 1009
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.0 144.0#
 145 2275.7 14.8 44.4#



#95
 Naphthalene
 Concen: 4.773 ug/l
 RT: 14.52 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: VD059705.D
 Acq: 7 Aug 2018 15:27

Tgt Ion:128 Resp: 6350
 Ion Ratio Lower Upper
 128 100
 127 31.7 10.6 16.0#
 129 60.7 8.8 13.2#

