

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008375.D
 Acq On : 21 Jan 2019 15:13
 Operator : SY/VA
 Sample : K1205-06
 Misc : 6.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-6

Quant Time: Jan 22 03:41:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	38376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	66810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	29653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	28396	71.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	142.26%		
35) Dibromofluoromethane	7.88	113	24634	54.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.68%		
50) Toluene-d8	10.32	98	92955	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.34%		
62) 4-Bromofluorobenzene	12.62	95	28485	45.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.00%		

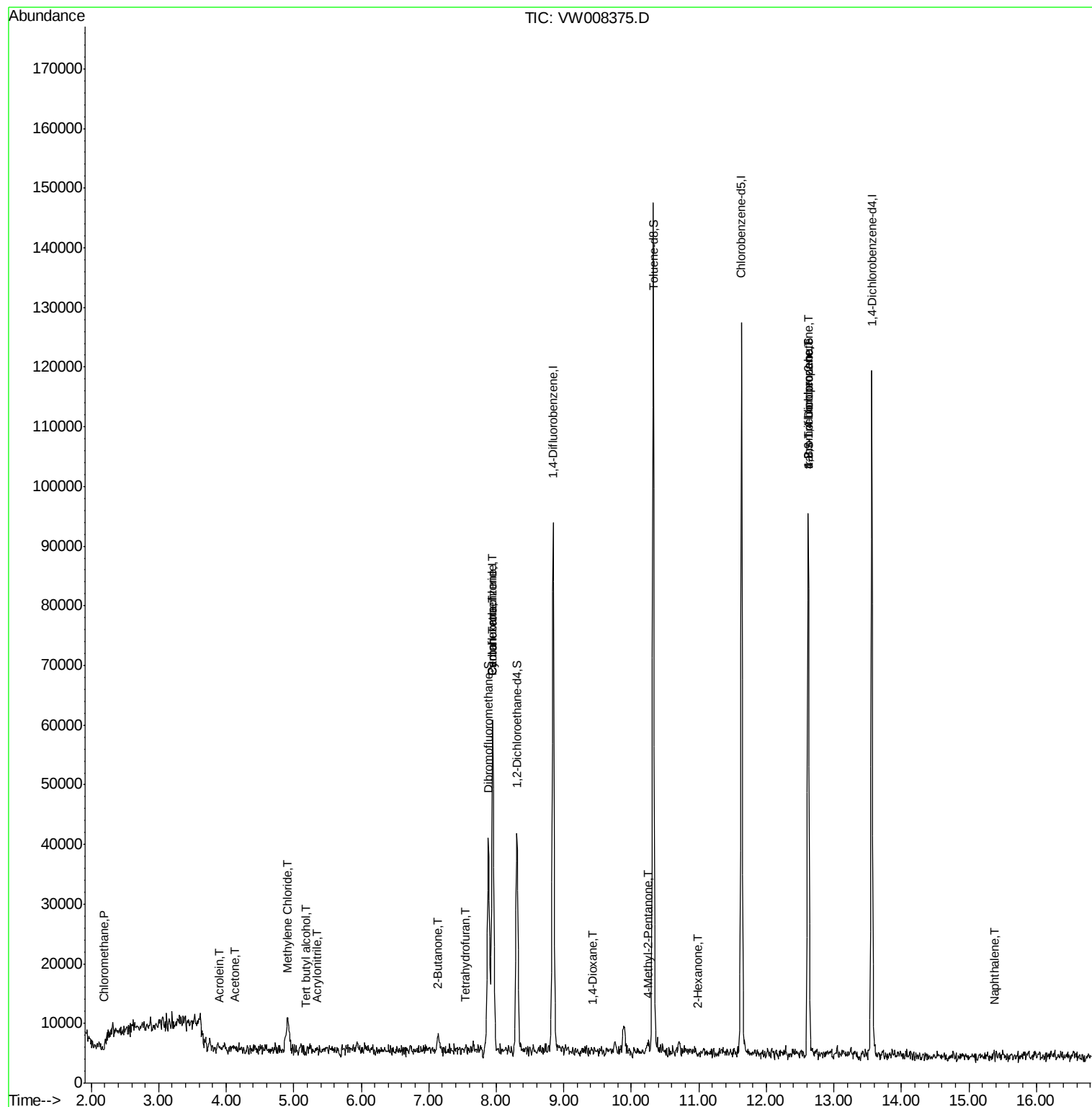
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.19	50	429	1.210	ug/l #	42
11) Tert butyl alcohol	5.17	59	86	3.200	ug/l #	1
13) Acrolein	3.90	56	260	16.821	ug/l #	69
15) Acrylonitrile	5.35	53	140	1.580	ug/l #	1
16) Acetone	4.13	43	357	3.851	ug/l #	67
20) Methylene Chloride	4.91	84	4268	6.860	ug/l #	82
25) 2-Butanone	7.15	43	300	2.527	ug/l #	48
29) Tetrahydrofuran	7.54	42	208	2.810	ug/l #	21
31) Cyclohexane	7.95	56	1572	2.108	ug/l #	21
38) Carbon Tetrachloride	7.95	117	4616	6.602	ug/l #	21
49) 1,4-Dioxane	9.43	88	40	9.570	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	399	1.429	ug/l	94
59) 2-Hexanone	10.99	43	360	1.840	ug/l	64
76) 1,2,3-Trichloropropane	12.62	75	14557	53.908	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	14557	128.646	ug/l #	12
95) Naphthalene	15.38	128	111	2.422	ug/l #	69

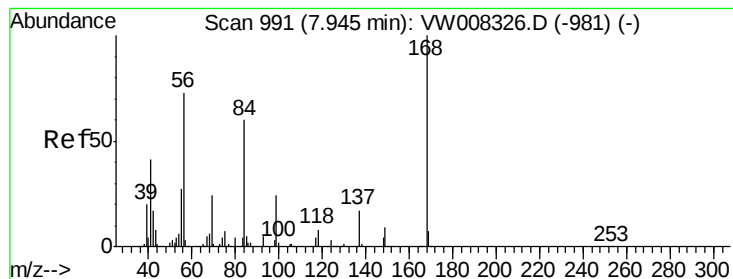
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

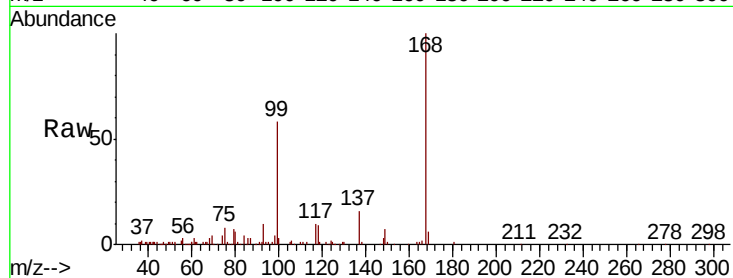
C-6

Tgt Ion:168 Resp: 38376

Ion Ratio Lower Upper

168 100

99 57.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

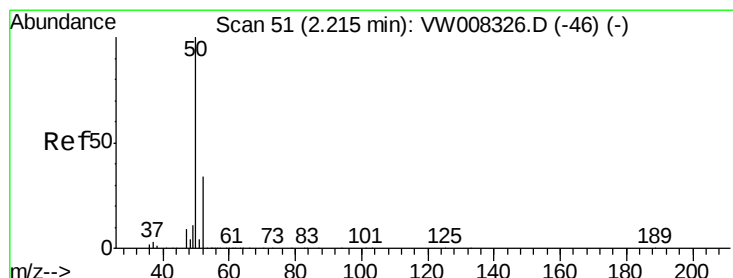
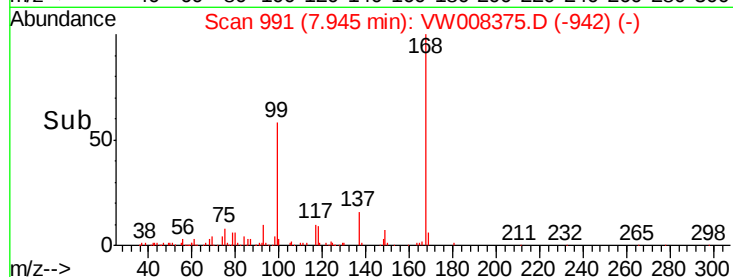
10000

5000

0

7.90 8.00

Time-->



#3

Chloromethane

Concen: 1.210 ug/l

RT: 2.19 min Scan# 47

Delta R.T. -0.02 min

Lab File: VW008375.D

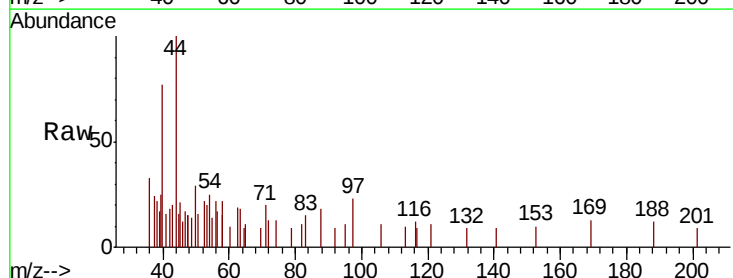
Acq: 21 Jan 2019 15:13

Tgt Ion: 50 Resp: 429

Ion Ratio Lower Upper

50 100

52 0.4 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

300

250

200

150

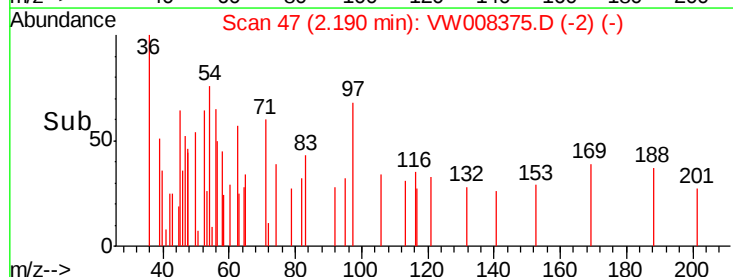
100

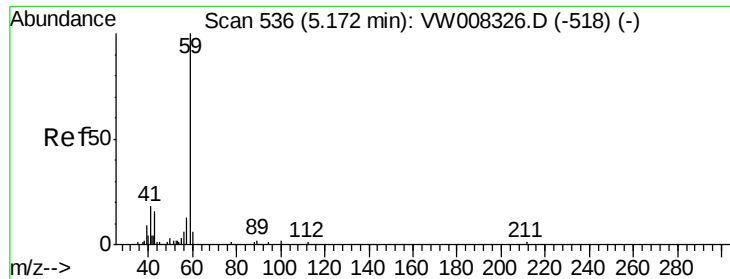
50

0

2.15 2.20

Time-->

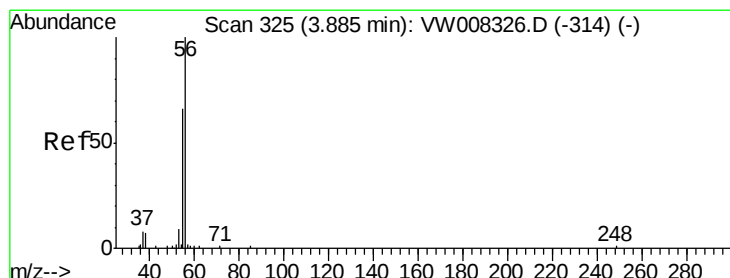
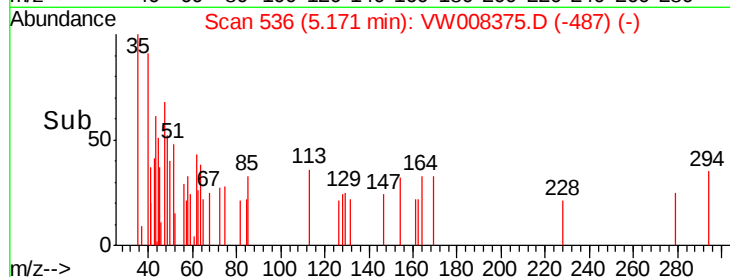
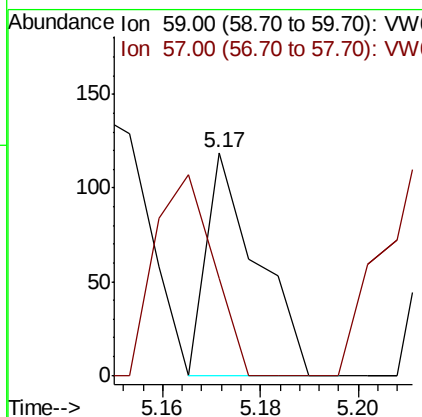
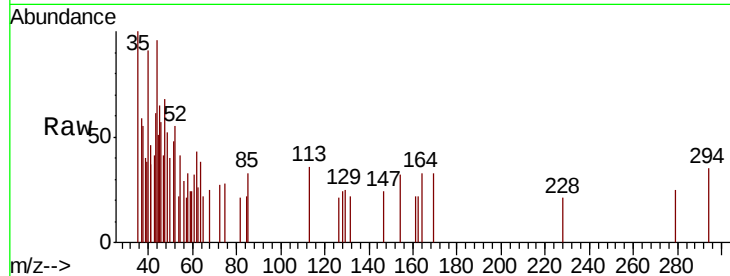




#11
Tert butyl alcohol
Concen: 3.200 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW008375.D
Acq: 21 Jan 2019 15:13

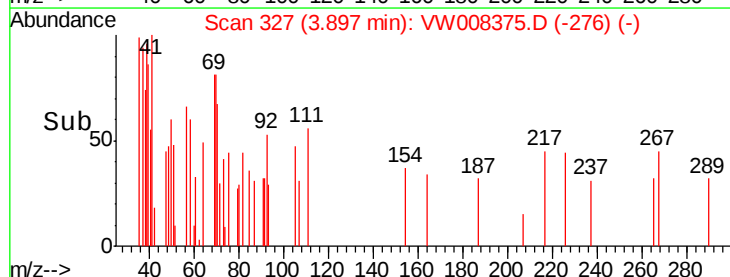
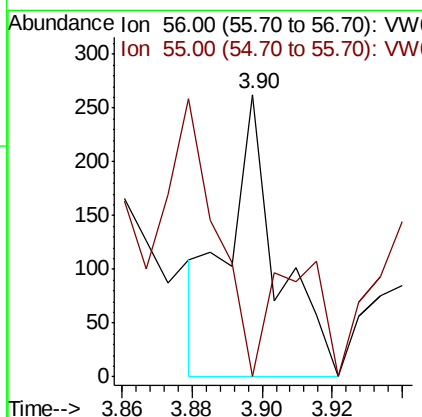
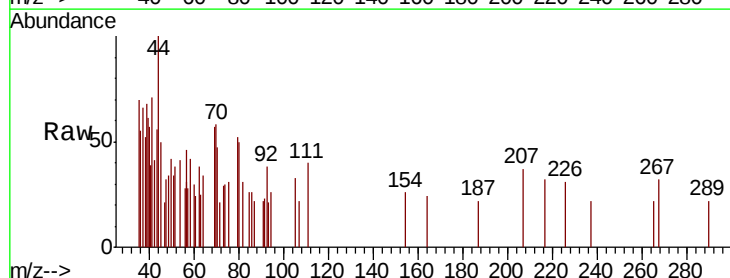
Instrument :
MSVOA_W
ClientSampled :
C-6

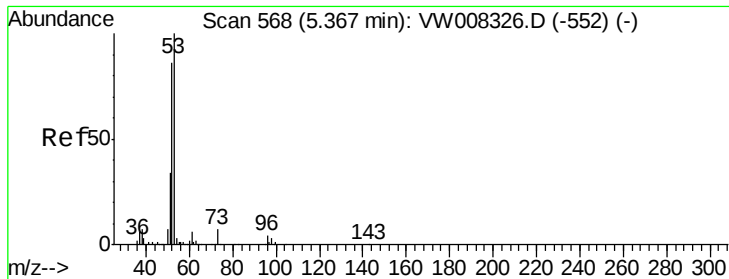
Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 103.5 9.4 14.2#



#13
Acrolein
Concen: 16.821 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008375.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 41.2 52.9 79.3#





#15

Acrylonitrile

Concen: 1.580 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_W

ClientSampled :

C-6

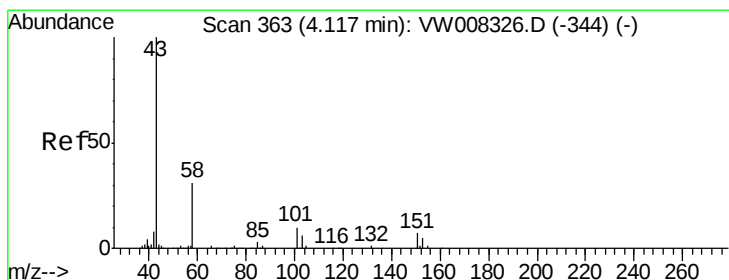
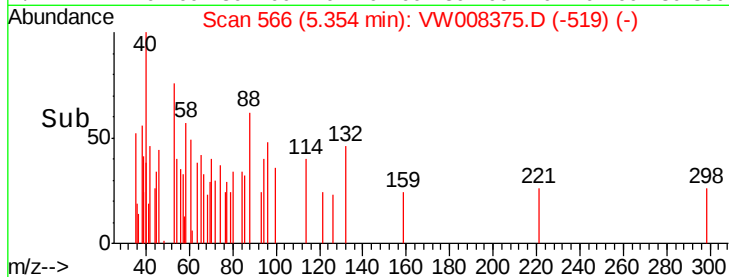
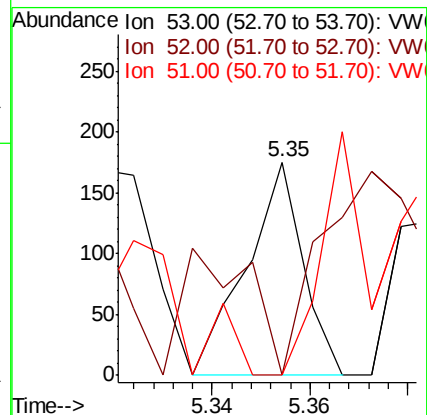
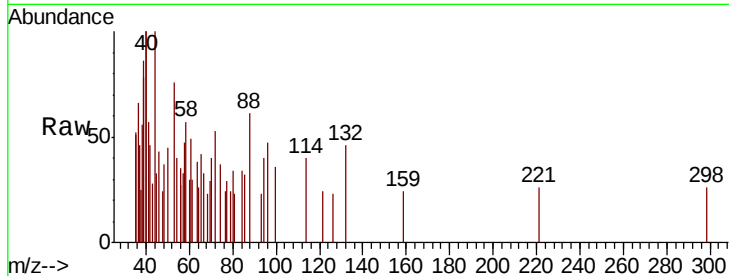
Tgt Ion: 53 Resp: 140

Ion Ratio Lower Upper

53 100

52 265.0 66.4 99.6#

51 82.1 29.6 44.4#



#16

Acetone

Concen: 3.851 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008375.D

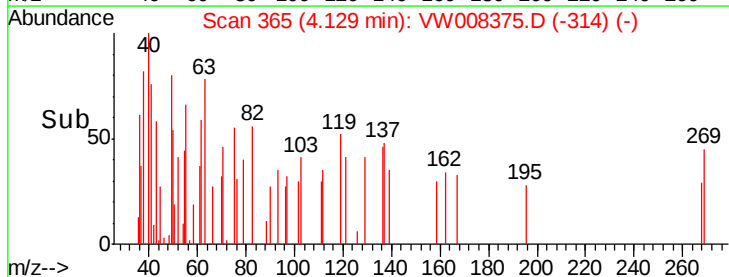
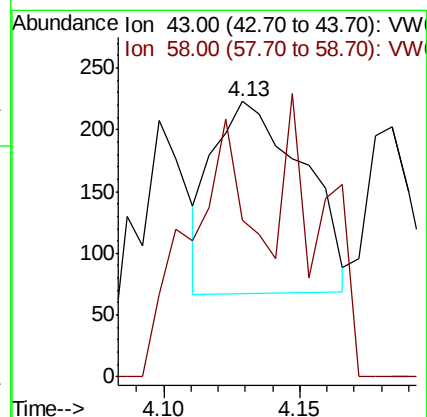
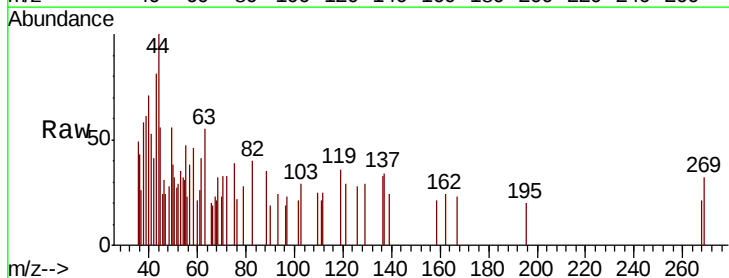
Acq: 21 Jan 2019 15:13

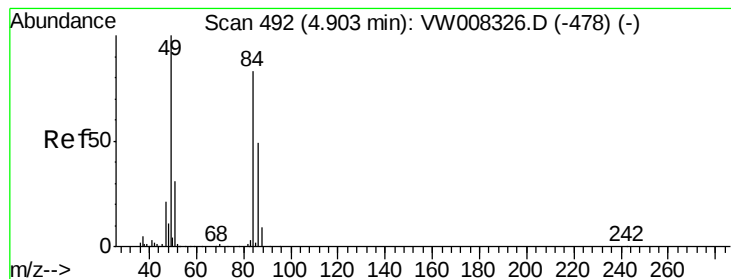
Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

43 100

58 12.6 24.7 37.1#





#20

Methylene Chloride

Concen: 6.860 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

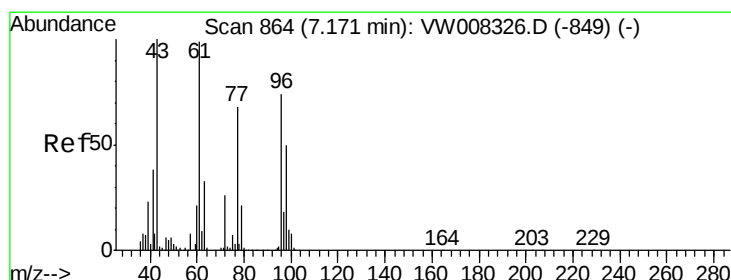
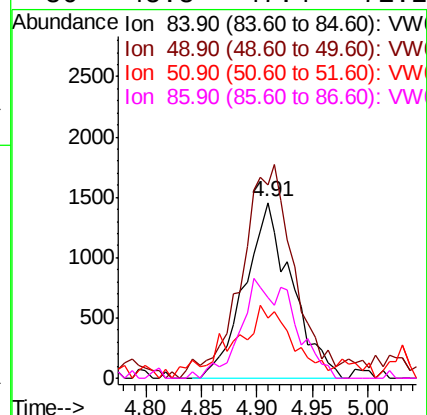
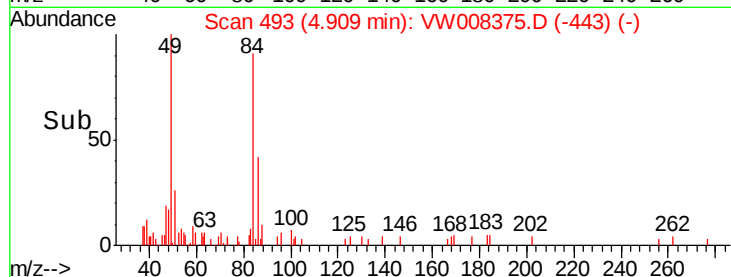
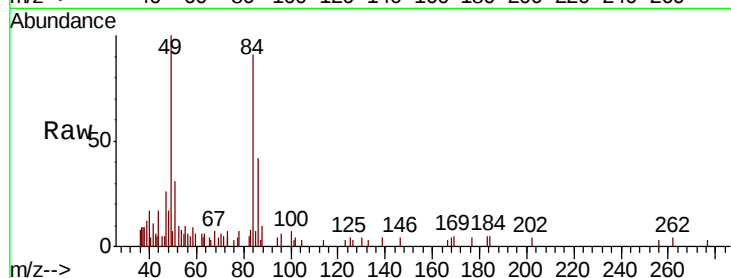
Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :
MSVOA_W
ClientSampled :
C-6

Tgt Ion: 84 Resp: 4268

Ion	Ratio	Lower	Upper
84	100		
49	100.8	95.9	143.9
51	23.6	29.3	43.9#
86	45.8	47.4	71.2#



#25

2-Butanone

Concen: 2.527 ug/l

RT: 7.15 min Scan# 860

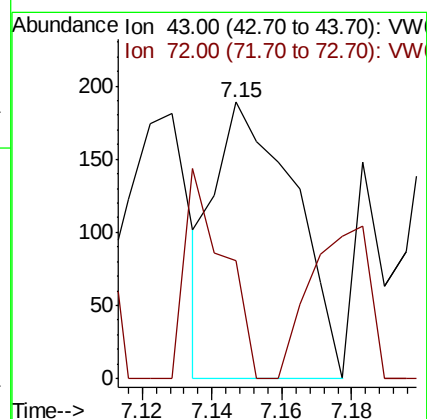
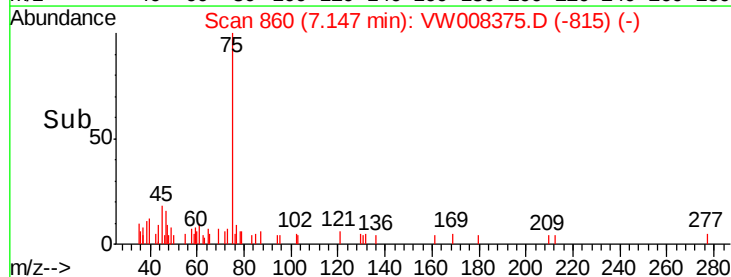
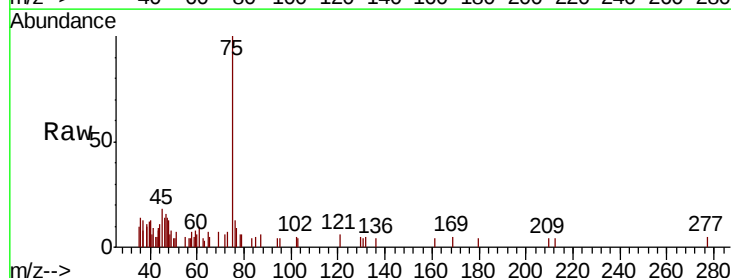
Delta R.T. -0.02 min

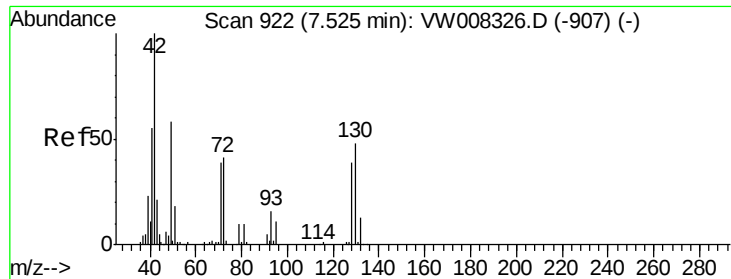
Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Tgt Ion: 43 Resp: 300

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.2	31.8#

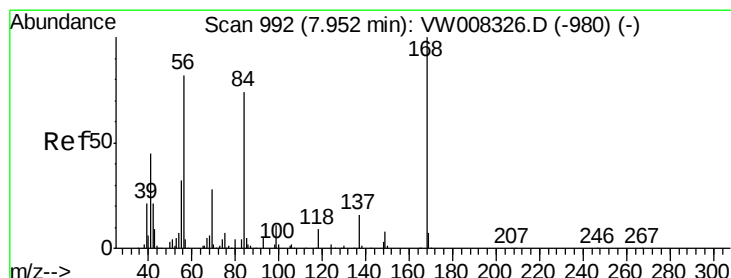
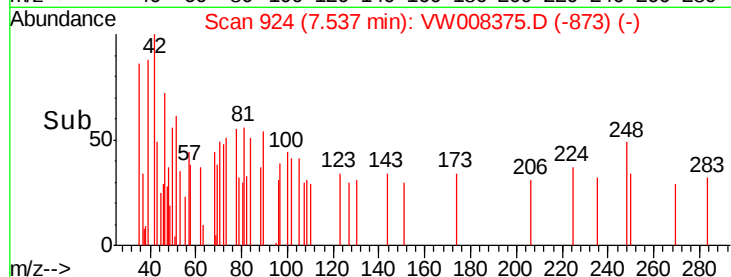
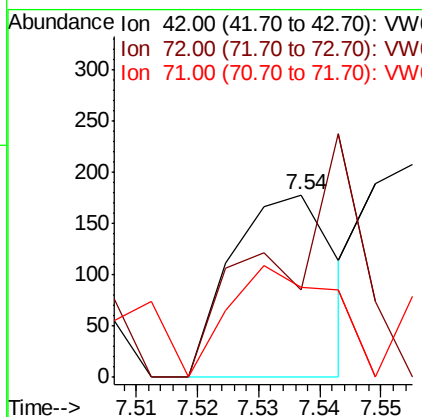
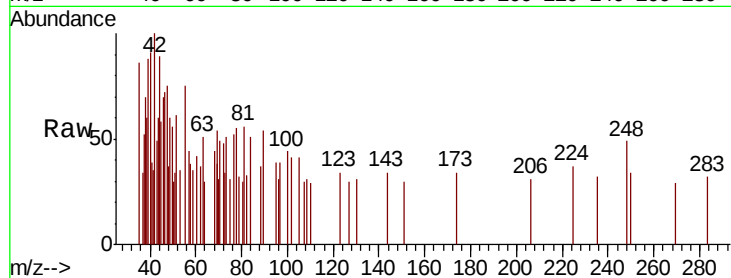




#29
Tetrahydrofuran
Concen: 2.810 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008375.D
Acq: 21 Jan 2019 15:13

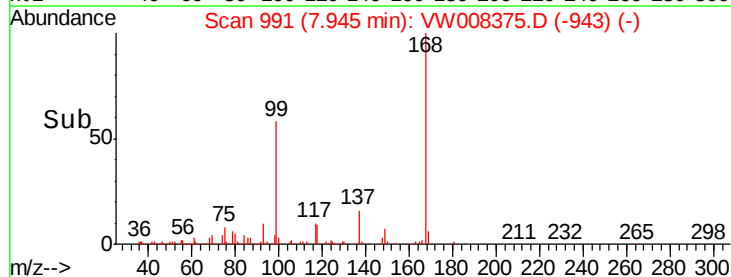
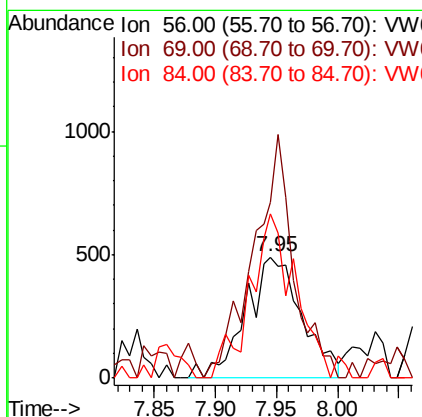
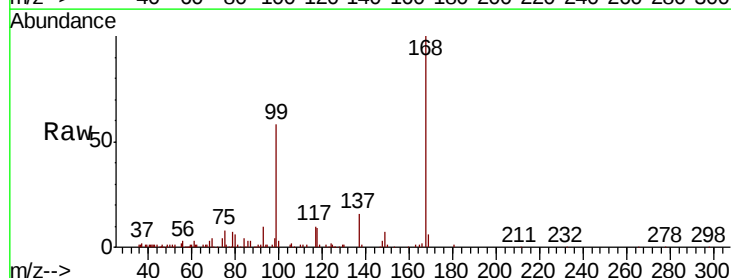
Instrument :
MSVOA_W
ClientSampled :
C-6

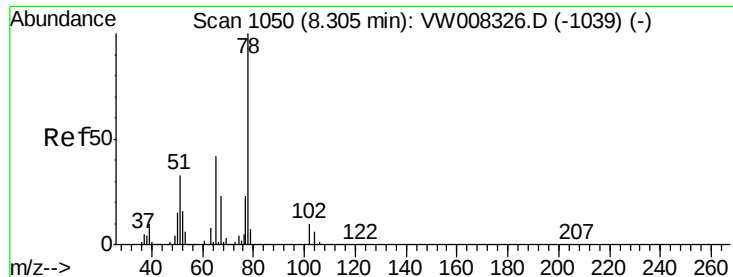
Tgt Ion: 42 Resp: 208
Ion Ratio Lower Upper
42 100
72 119.7 34.0 51.0#
71 61.1 32.0 48.0#



#31
Cyclohexane
Concen: 2.108 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008375.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 56 Resp: 1572
Ion Ratio Lower Upper
56 100
69 145.2 27.0 40.6#
84 124.6 72.5 108.7#

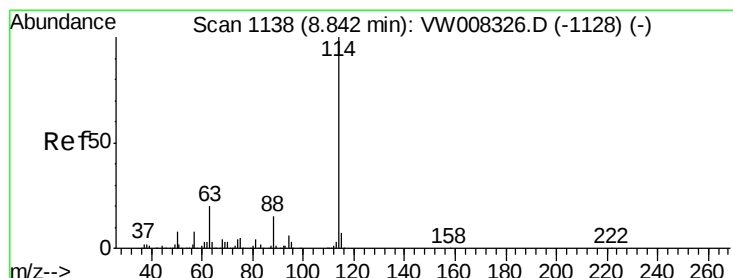
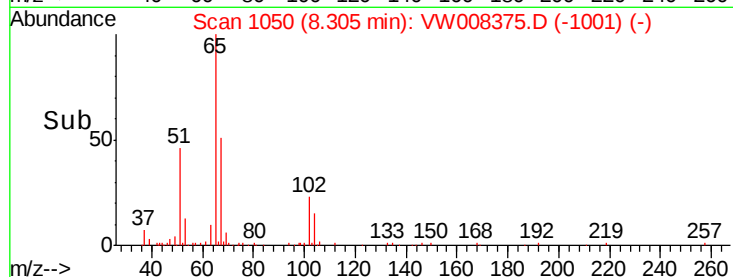
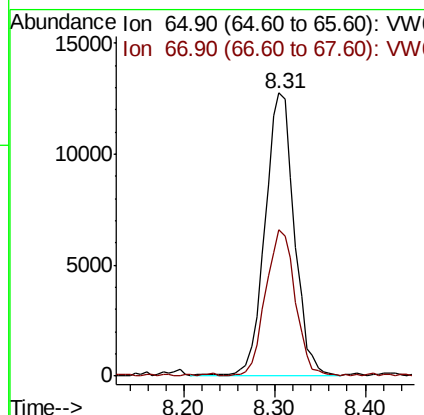
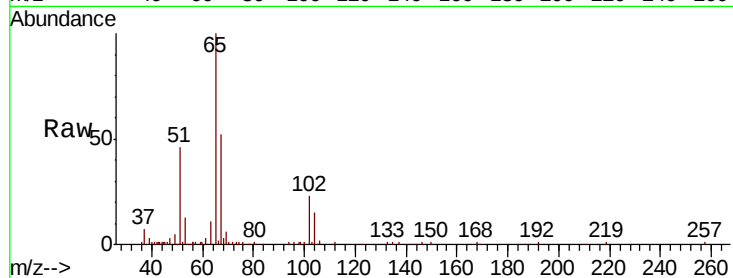




#33
 1,2-Dichloroethane-d4
 Concen: 71.133 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008375.D
 Acq: 21 Jan 2019 15:13

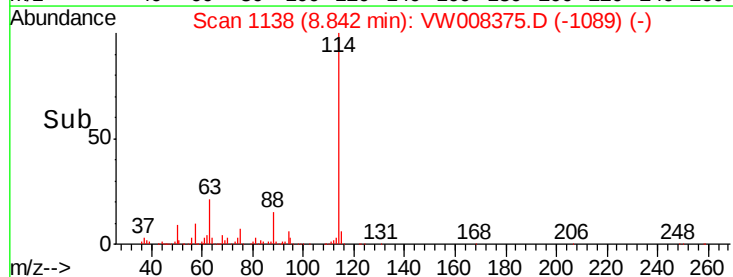
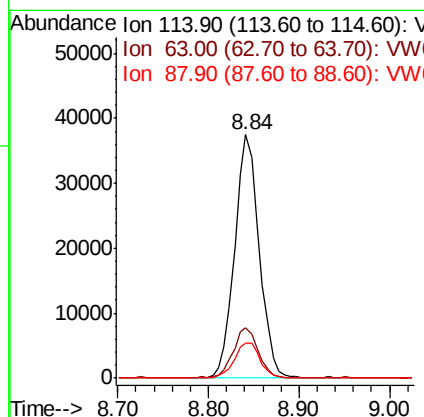
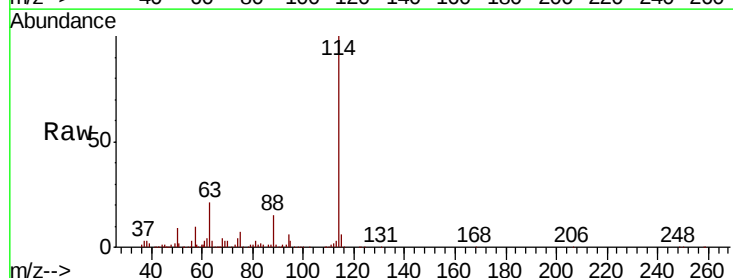
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 ClientSampled :
 C-6

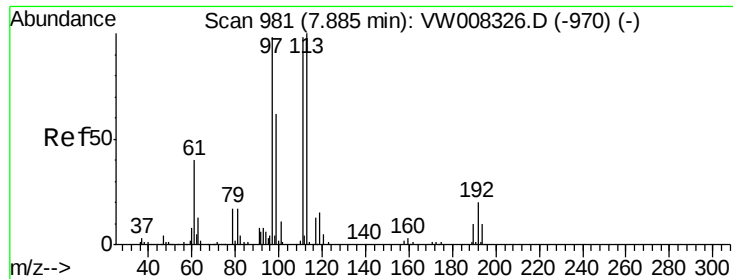
Tgt Ion: 65 Resp: 28396
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008375.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 114 Resp: 70373
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.838 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

C-6

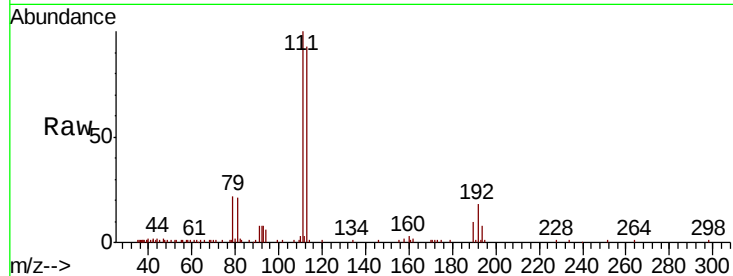
Tgt Ion:113 Resp: 24634

Ion Ratio Lower Upper

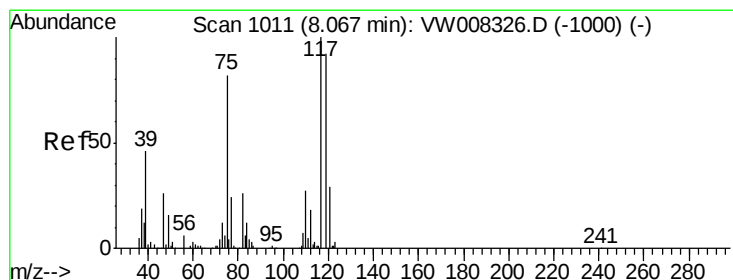
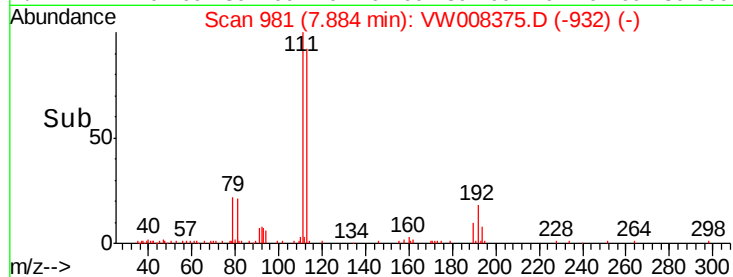
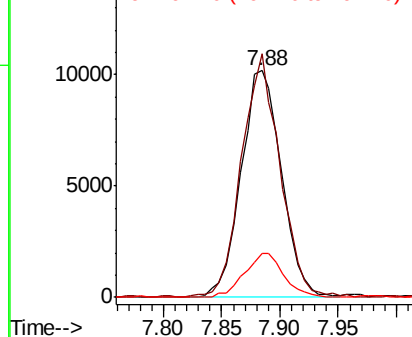
113 100

111 101.7 81.8 122.8

192 18.7 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#38

Carbon Tetrachloride

Concen: 6.602 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

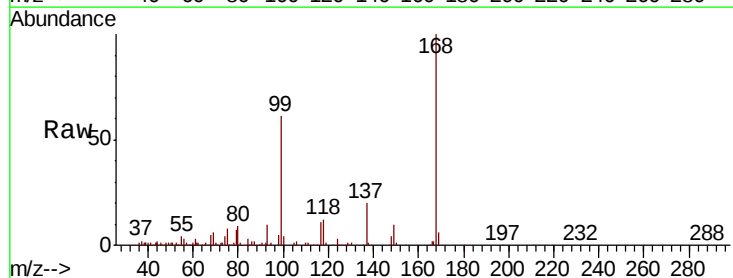
Tgt Ion:117 Resp: 4616

Ion Ratio Lower Upper

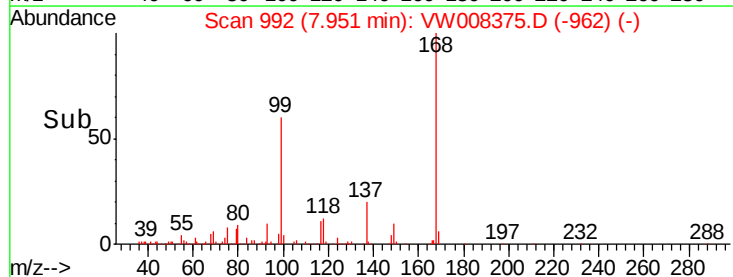
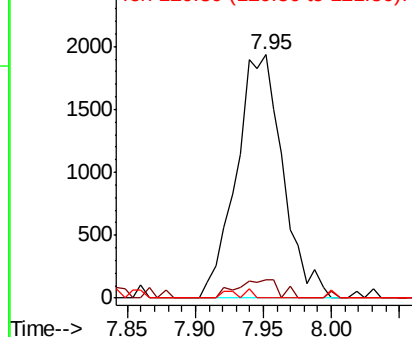
117 100

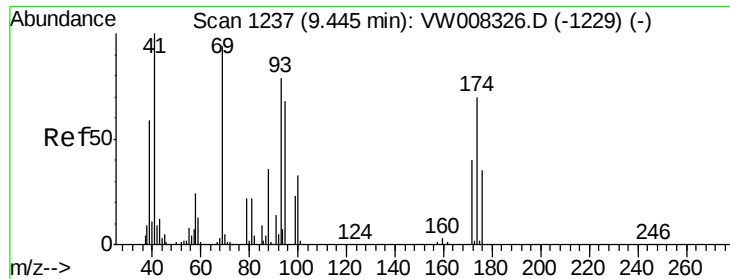
119 7.5 73.8 110.6#

121 4.2 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 9.570 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

C-6

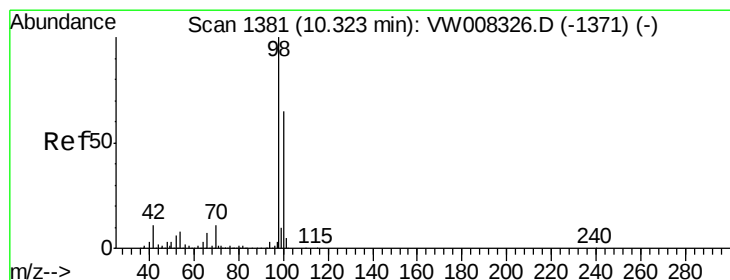
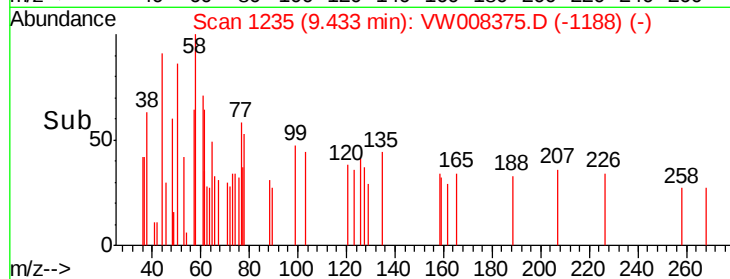
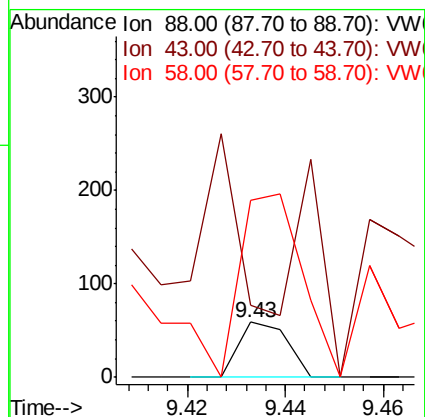
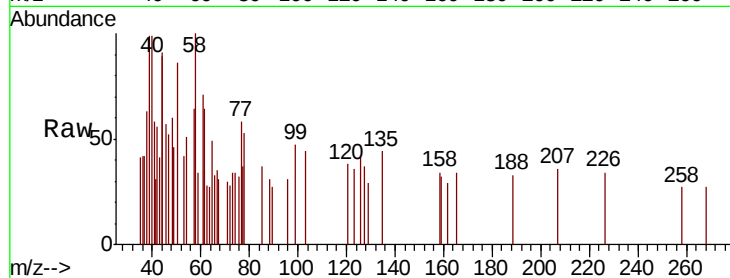
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 347.5 27.1 40.7#

58 0.0 57.9 86.9#



#50

Toluene-d8

Concen: 52.673 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008375.D

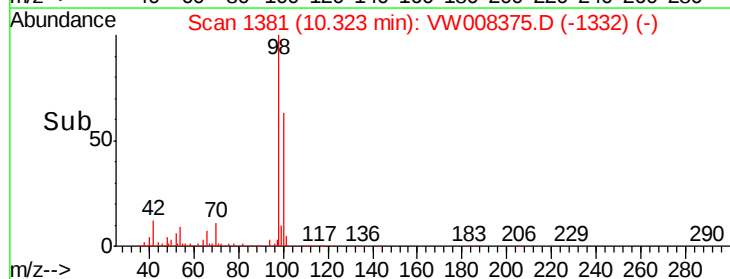
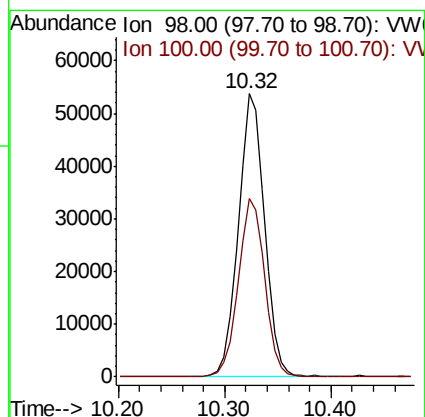
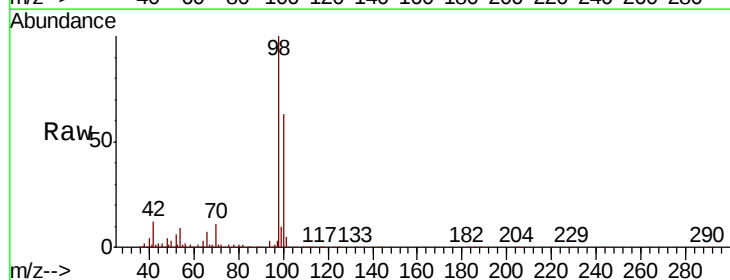
Acq: 21 Jan 2019 15:13

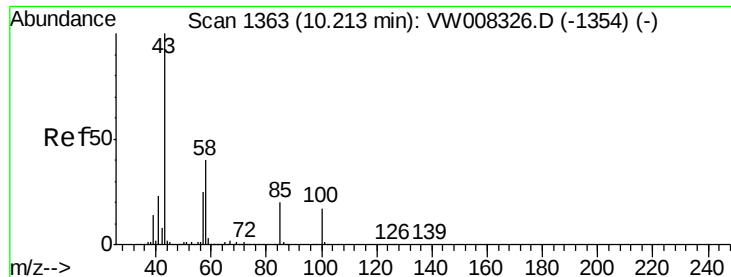
Tgt Ion: 98 Resp: 92955

Ion Ratio Lower Upper

98 100

100 63.3 51.8 77.8

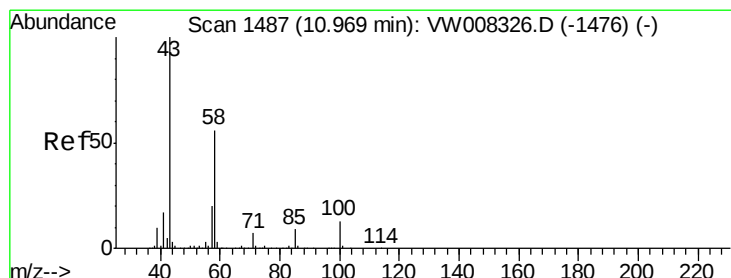
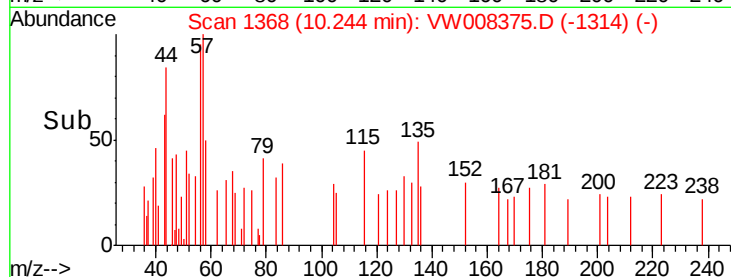
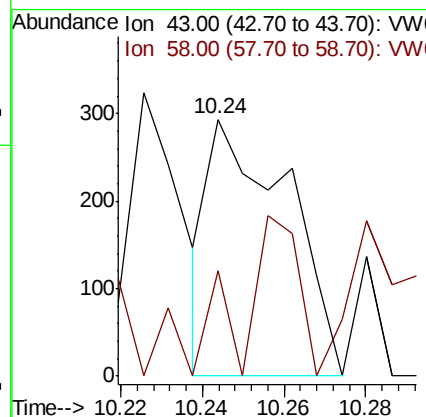
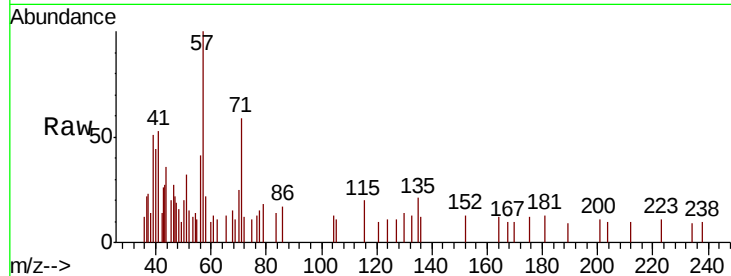




#51
 4-Methyl-2-Pentanone
 Concen: 1.429 ug/l
 RT: 10.24 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VW008375.D
 Acq: 21 Jan 2019 15:13

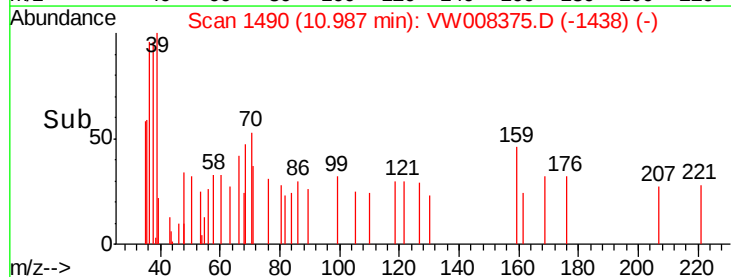
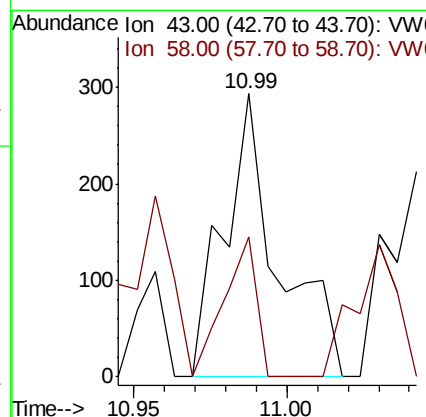
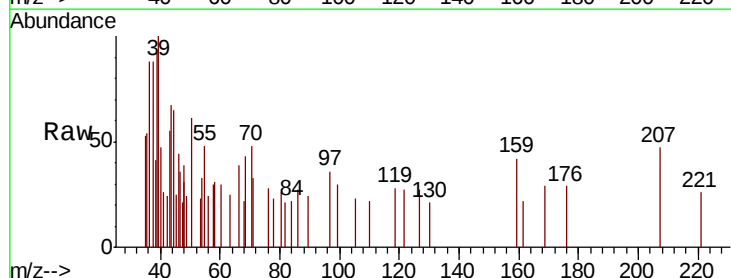
Instrument :
 MSVOA_W
 ClientSampled :
 C-6

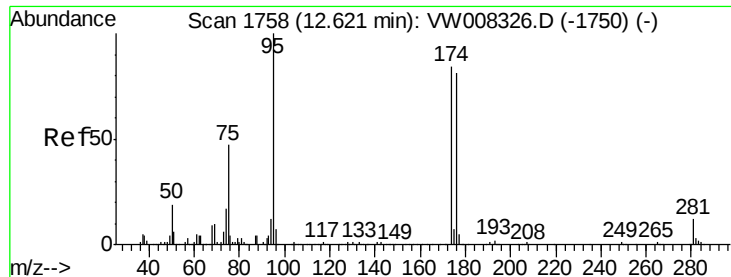
Tgt Ion: 43 Resp: 399
 Ion Ratio Lower Upper
 43 100
 58 42.9 31.4 47.0



#59
 2-Hexanone
 Concen: 1.840 ug/l
 RT: 10.99 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VW008375.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 43 Resp: 360
 Ion Ratio Lower Upper
 43 100
 58 29.2 27.5 82.5





#62

4-Bromofluorobenzene

Concen: 45.005 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

C-6

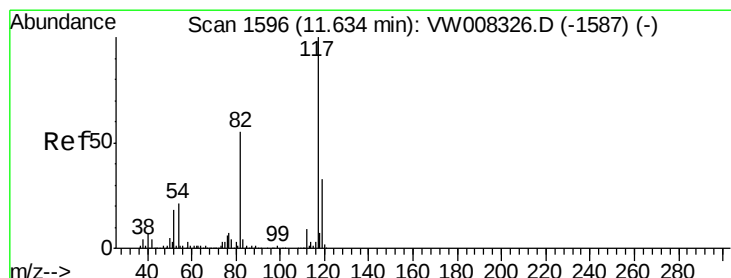
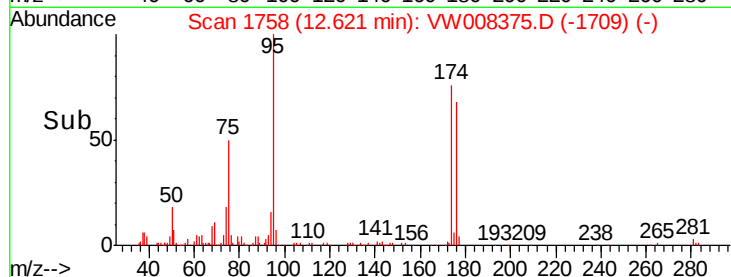
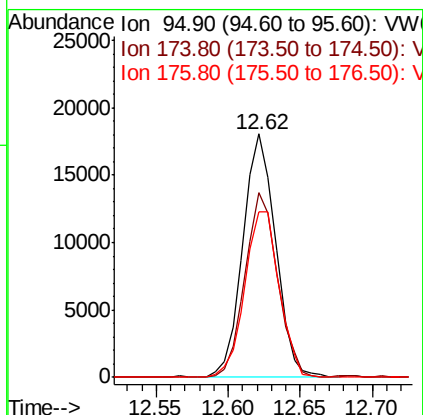
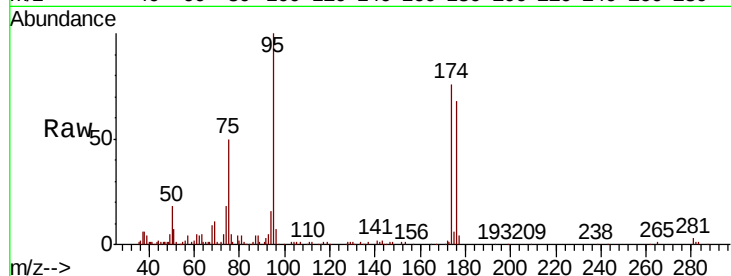
Tgt Ion: 95 Resp: 28485

Ion Ratio Lower Upper

95 100

174 75.1 0.0 166.0

176 71.3 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

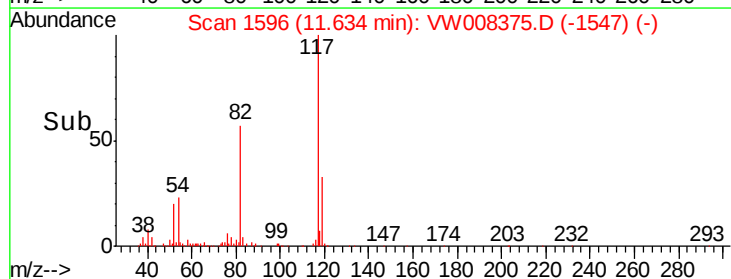
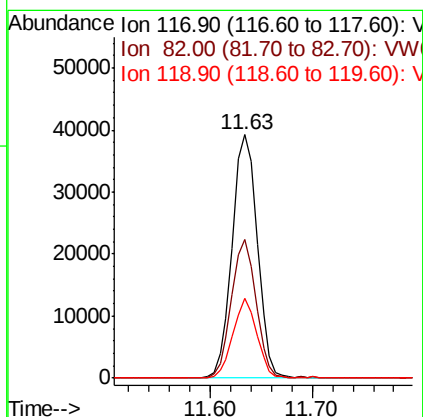
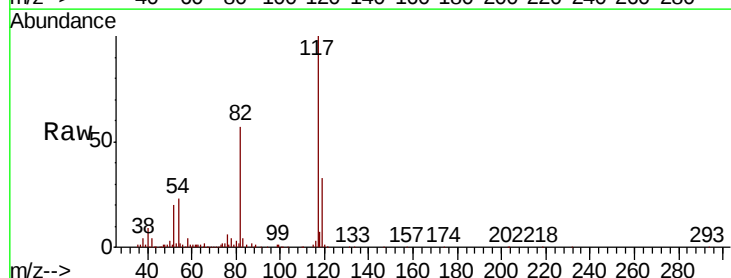
Tgt Ion: 117 Resp: 66810

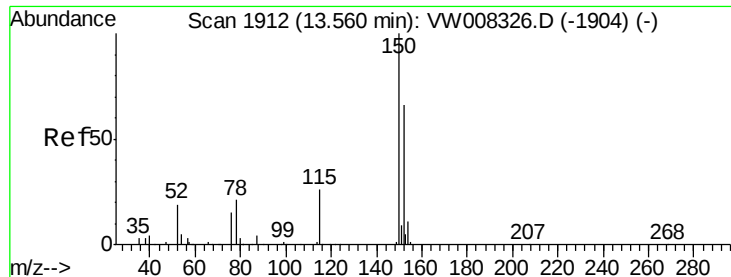
Ion Ratio Lower Upper

117 100

82 57.0 44.3 66.5

119 32.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

C-6

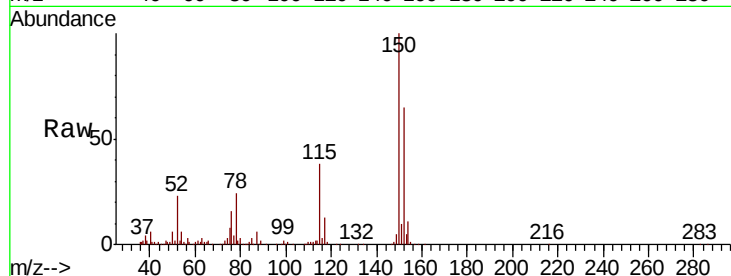
Tgt Ion:152 Resp: 29653

Ion Ratio Lower Upper

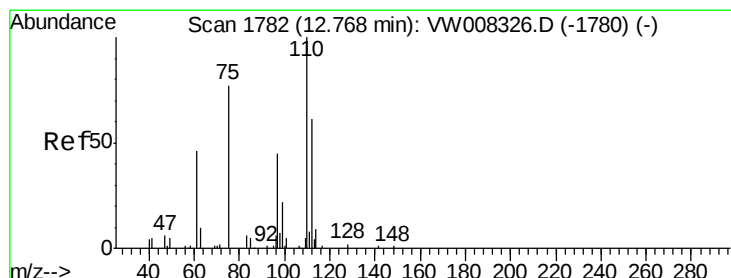
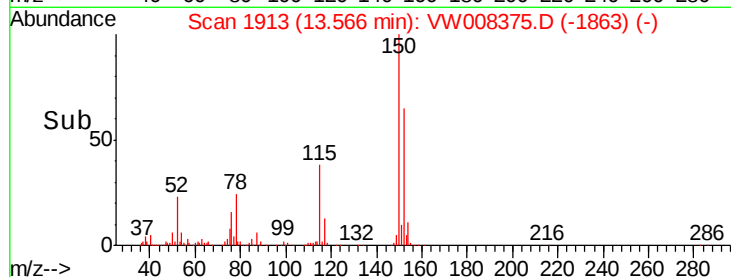
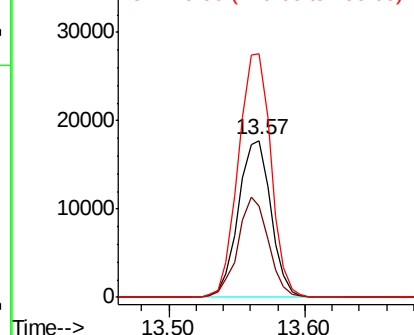
152 100

115 60.3 28.8 86.4

150 155.7 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 53.908 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008375.D

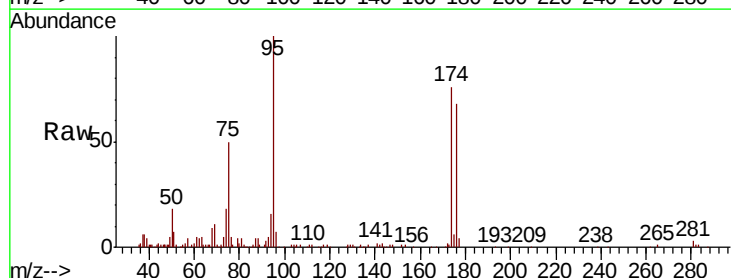
Acq: 21 Jan 2019 15:13

Tgt Ion: 75 Resp: 14557

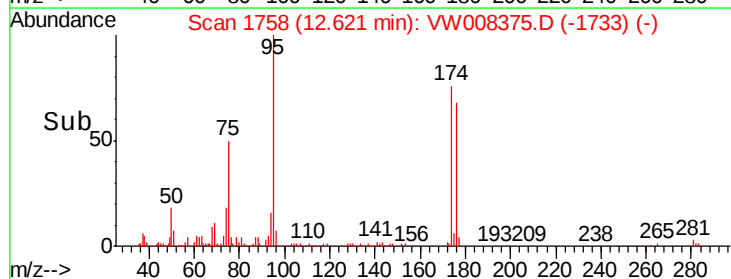
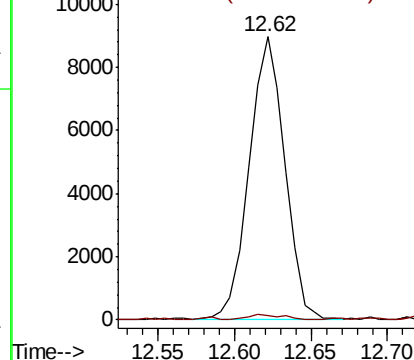
Ion Ratio Lower Upper

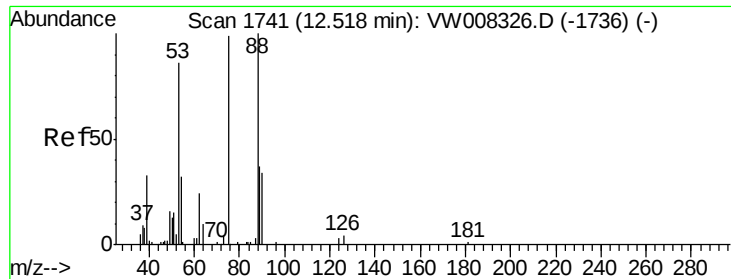
75 100

77 1.9 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 128.646 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

C-6

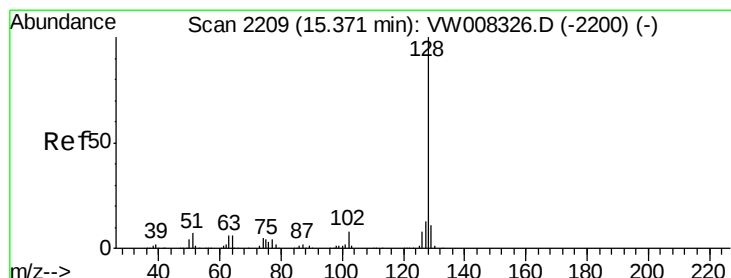
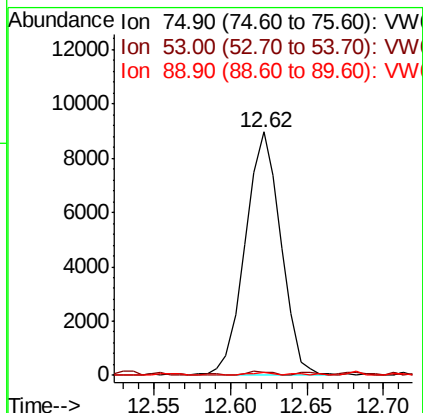
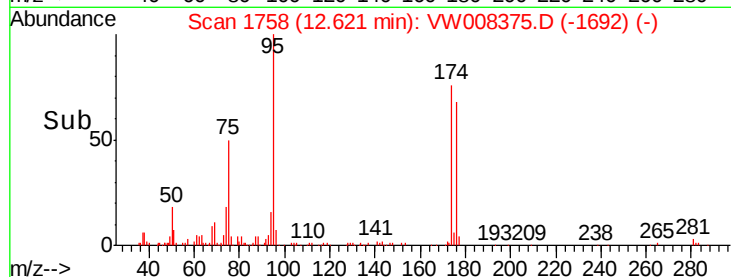
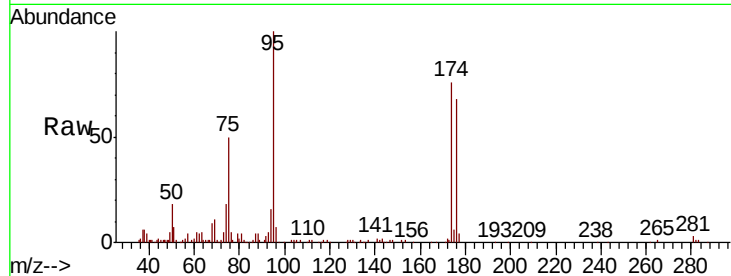
Tgt Ion: 75 Resp: 14557

Ion Ratio Lower Upper

75 100

53 1.1 76.2 114.4#

89 0.9 36.7 55.1#



#95

Naphthalene

Concen: 2.422 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW008375.D

Acq: 21 Jan 2019 15:13

Tgt Ion: 128 Resp: 111

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#

