

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008377.D
 Acq On : 21 Jan 2019 16:07
 Operator : SY/VA
 Sample : K1009-03
 Misc : 5.95G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-011819-B

Quant Time: Jan 22 03:41:58 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	83488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	161579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	70652	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	55337	63.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.44%	
35) Dibromofluoromethane	7.89	113	52964	51.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.70%	
50) Toluene-d8	10.32	98	210915	52.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.62	95	71789	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	

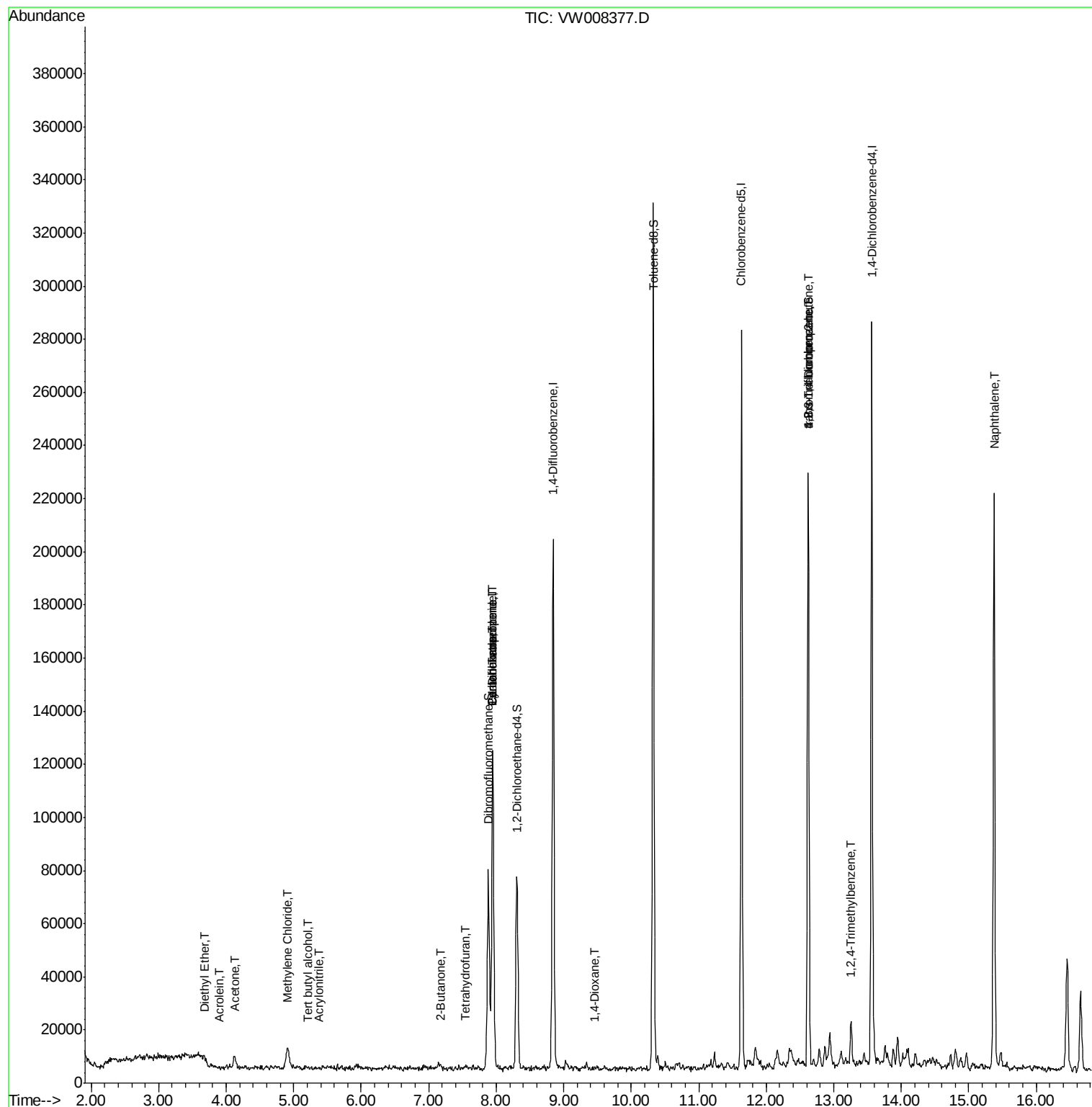
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1820	3.628	ug/l	93
11) Tert butyl alcohol	5.20	59	414	7.080	ug/l #	1
13) Acrolein	3.90	56	125	9.770	ug/l #	17
15) Acrylonitrile	5.36	53	223	1.157	ug/l #	23
16) Acetone	4.12	43	8528	42.283	ug/l #	84
20) Methylene Chloride	4.91	84	6737	3.929	ug/l #	78
25) 2-Butanone	7.18	43	398	1.541	ug/l #	48
29) Tetrahydrofuran	7.54	42	273	1.695	ug/l #	8
31) Cyclohexane	7.94	56	2138	1.318	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	8001	4.922	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8872	5.527	ug/l #	17
49) 1,4-Dioxane	9.46	88	121	12.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	36449	56.651	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	36449	135.193	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	8714	1.991	ug/l	99
95) Naphthalene	15.38	128	179508	65.438	ug/l	99

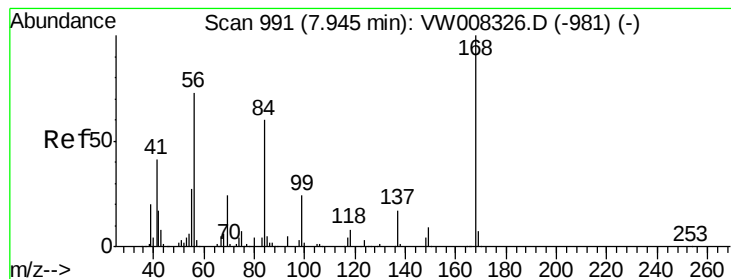
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

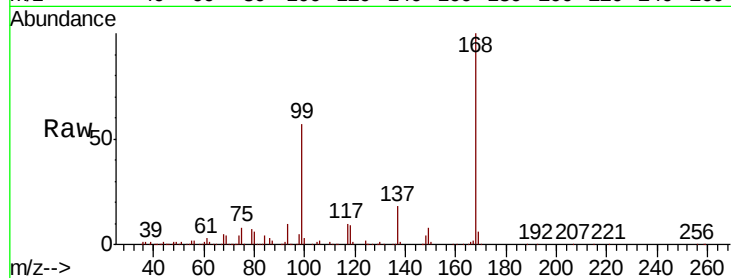
CL-01-011819-B

Tgt Ion:168 Resp: 83488

Ion Ratio Lower Upper

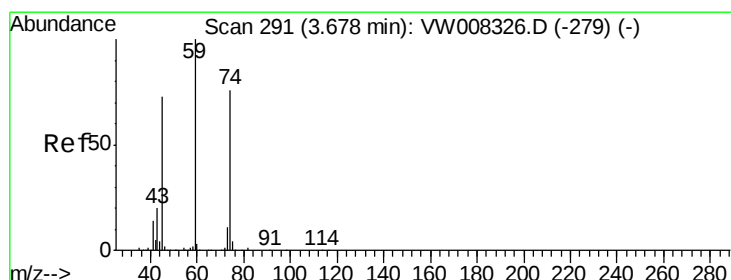
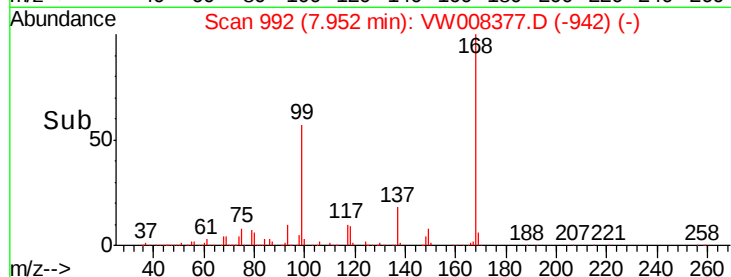
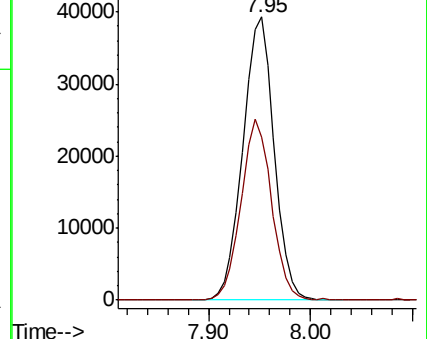
168 100

99 57.5 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.628 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008377.D

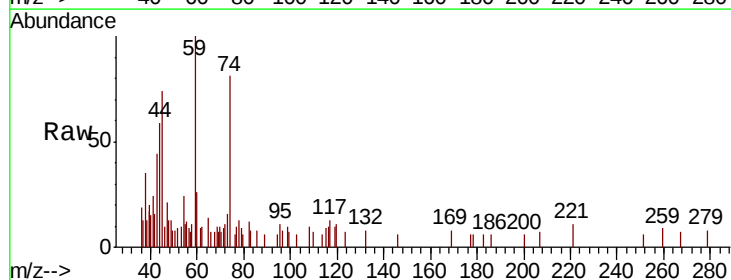
Acq: 21 Jan 2019 16:07

Tgt Ion: 74 Resp: 1820

Ion Ratio Lower Upper

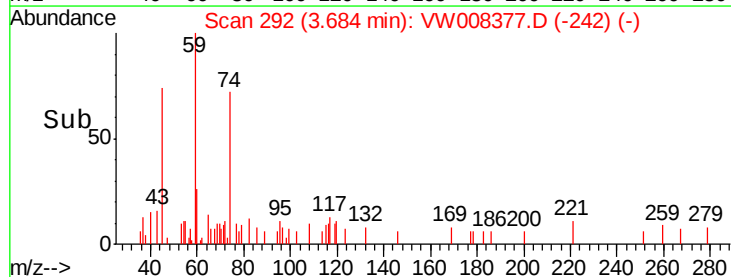
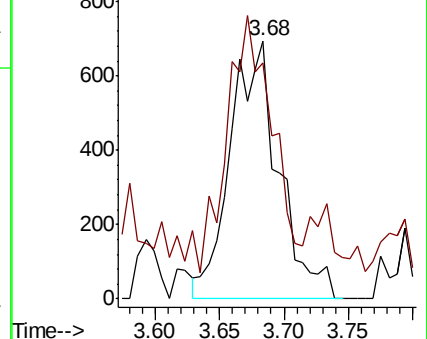
74 100

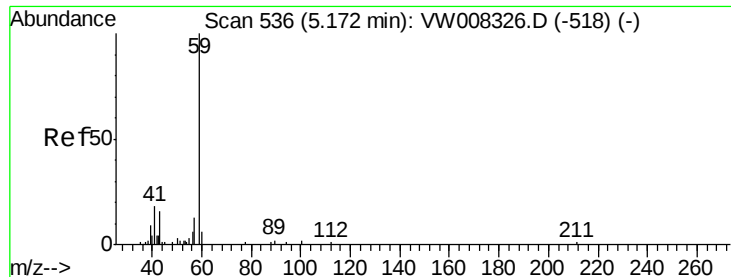
45 92.7 50.1 150.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

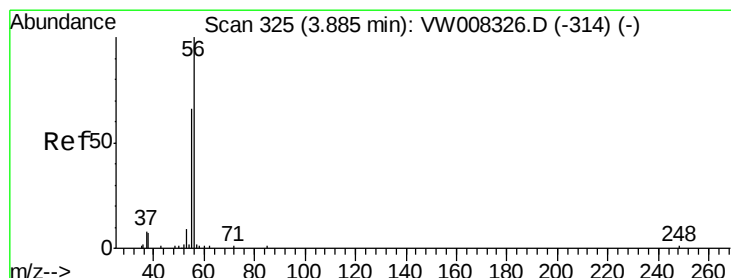
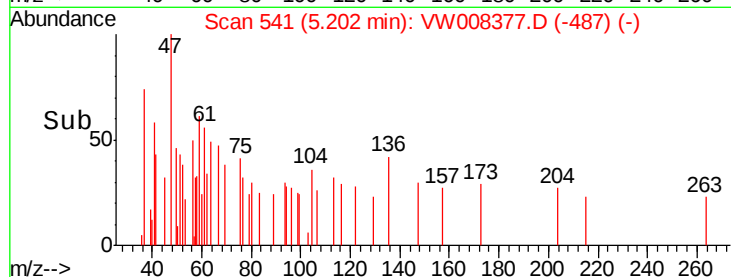
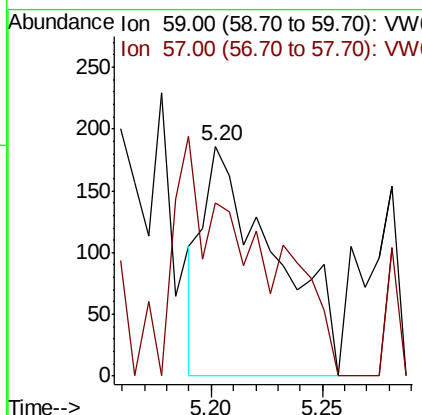
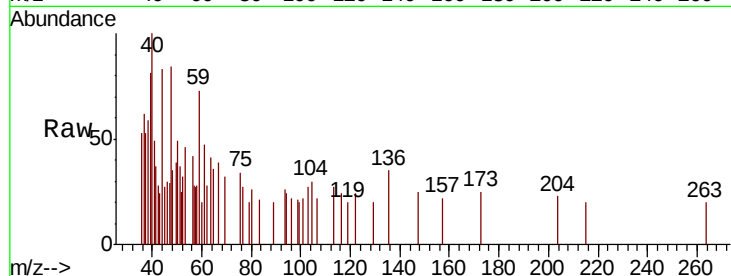




#11
Tert butyl alcohol
Concen: 7.080 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.03 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

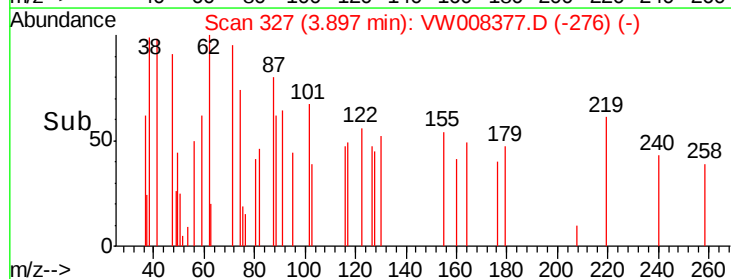
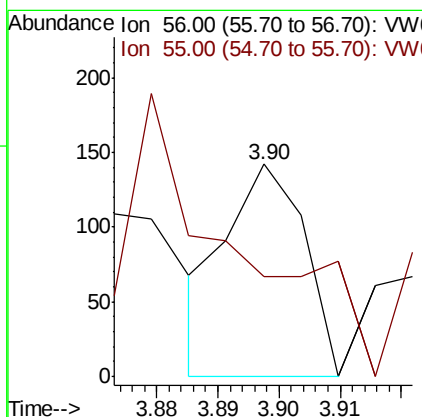
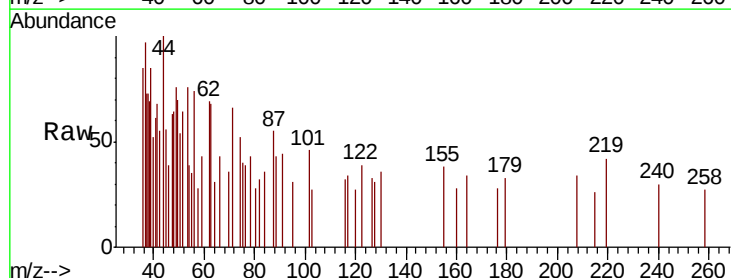
Instrument :
MSVOA_W
ClientSampled :
CL-01-011819-B

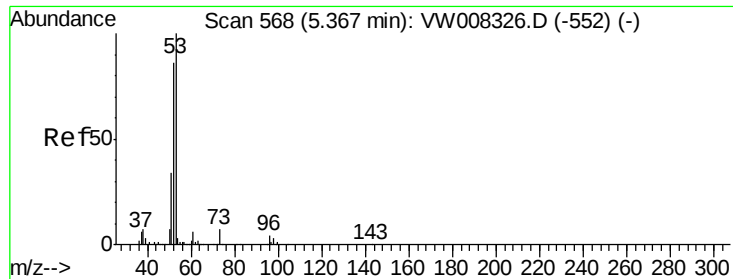
Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 91.8 9.4 14.2#



#13
Acrolein
Concen: 9.770 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 0.0 52.9 79.3#

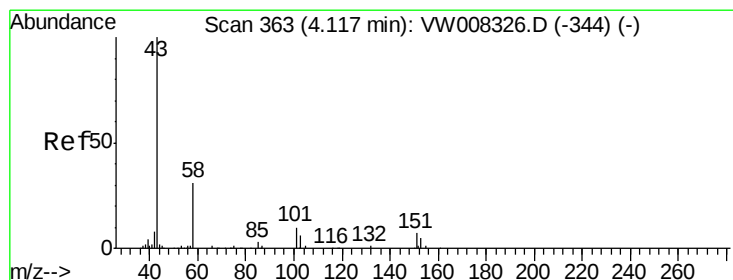
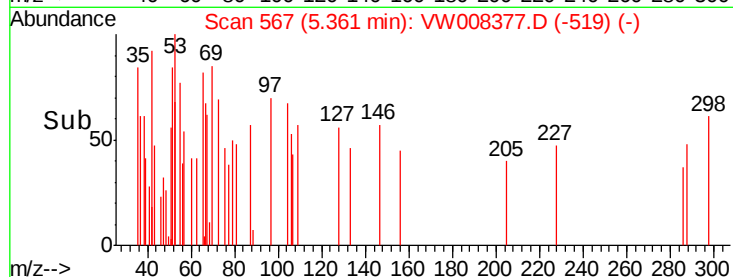
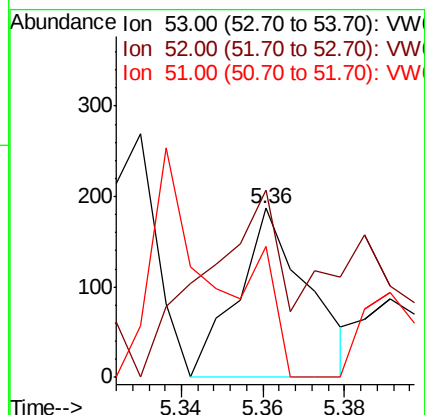
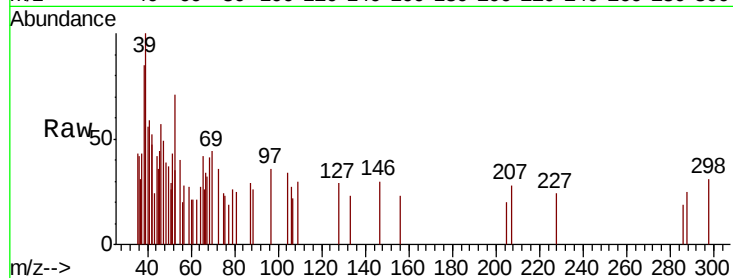




#15
 Acrylonitrile
 Concen: 1.157 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW008377.D
 Acq: 21 Jan 2019 16:07

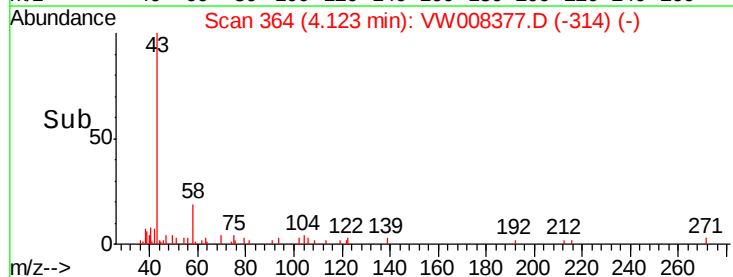
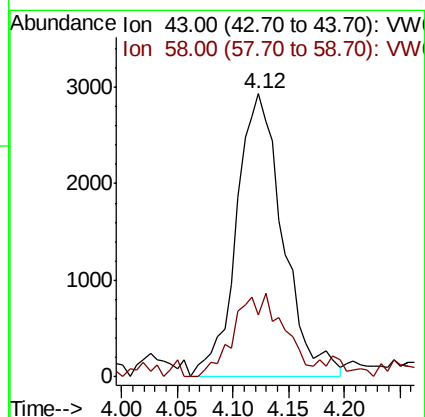
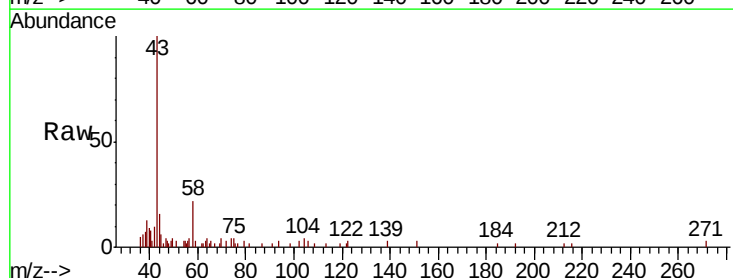
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-011819-B

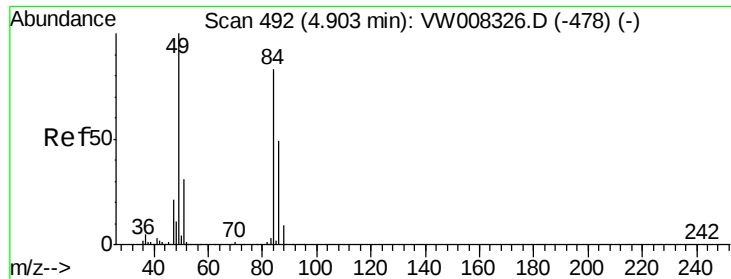
Tgt Ion: 53 Resp: 223
 Ion Ratio Lower Upper
 53 100
 52 158.3 66.4 99.6#
 51 0.0 29.6 44.4#



#16
 Acetone
 Concen: 42.283 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW008377.D
 Acq: 21 Jan 2019 16:07

Tgt Ion: 43 Resp: 8528
 Ion Ratio Lower Upper
 43 100
 58 22.1 24.7 37.1#

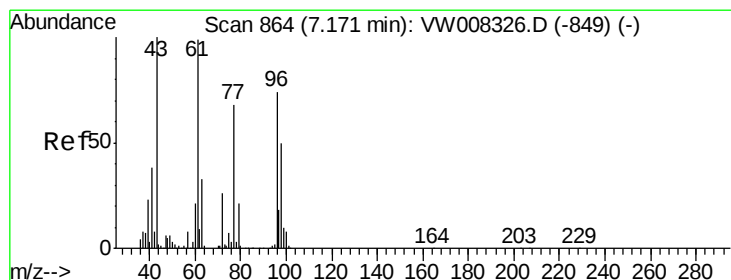
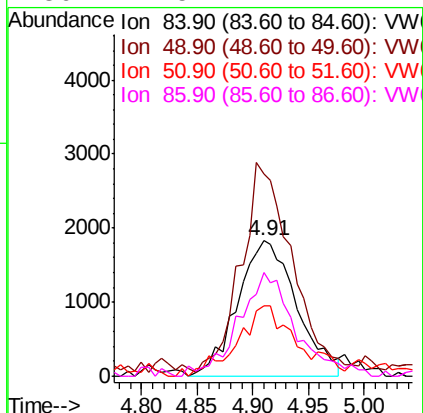
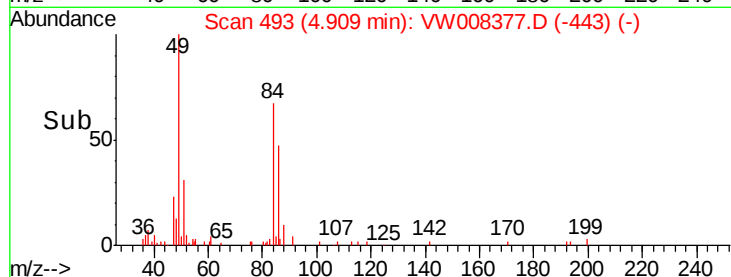
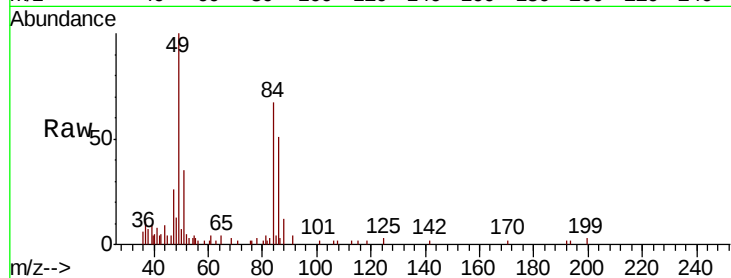




#20
Methylene Chloride
Concen: 3.929 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

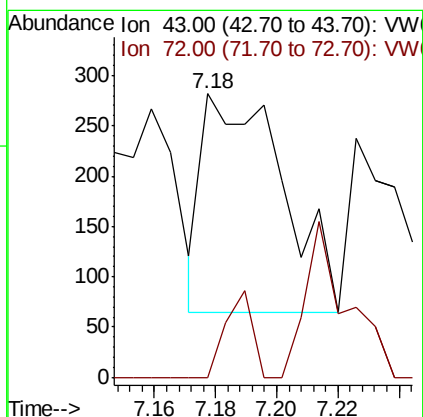
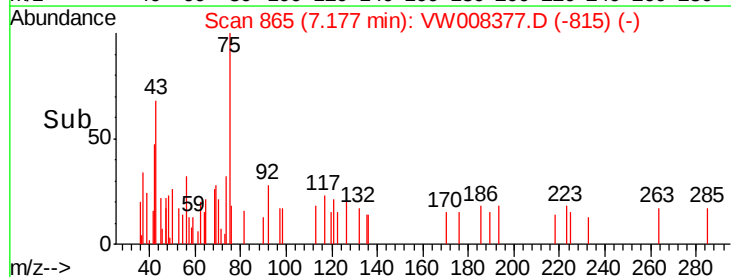
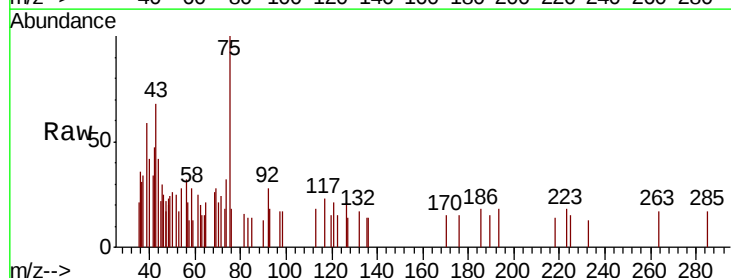
Instrument :
MSVOA_W
ClientSampleId :
CL-01-011819-B

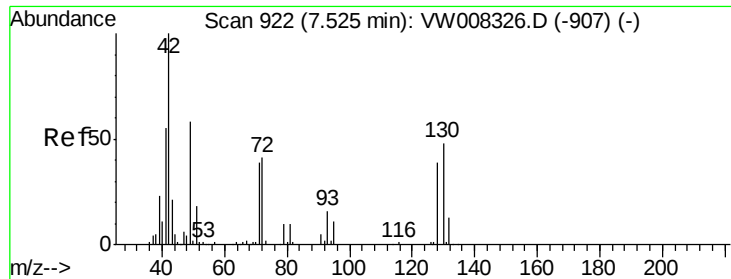
Tgt Ion: 84 Resp: 6737
Ion Ratio Lower Upper
84 100
49 143.2 95.9 143.9
51 52.3 29.3 43.9#
86 74.5 47.4 71.2#



#25
2-Butanone
Concen: 1.541 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

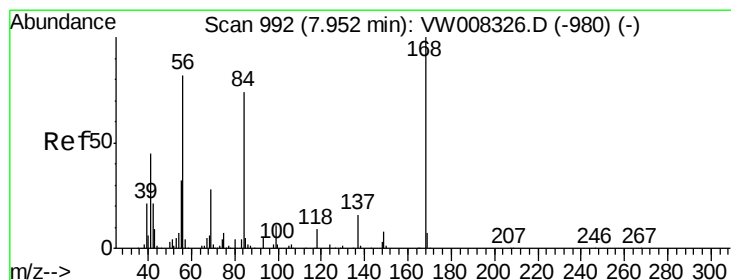
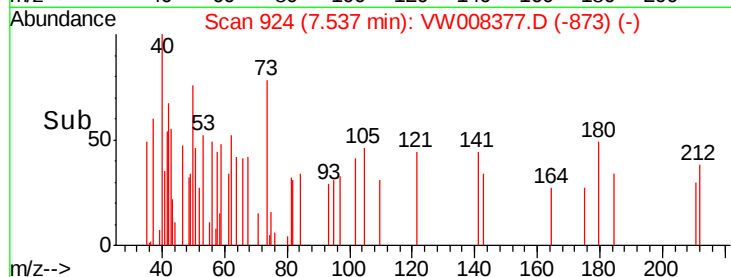
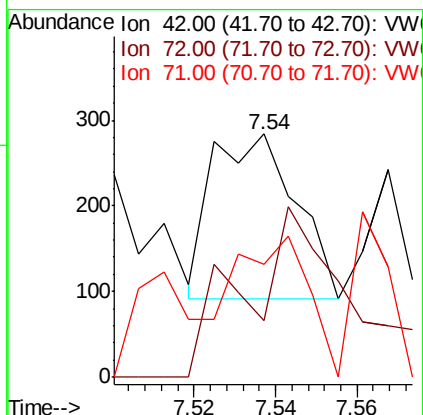
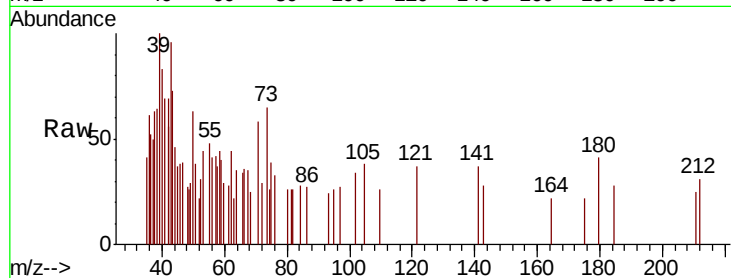




#29
Tetrahydrofuran
Concen: 1.695 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

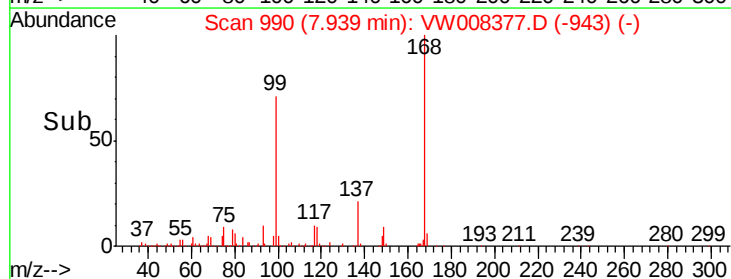
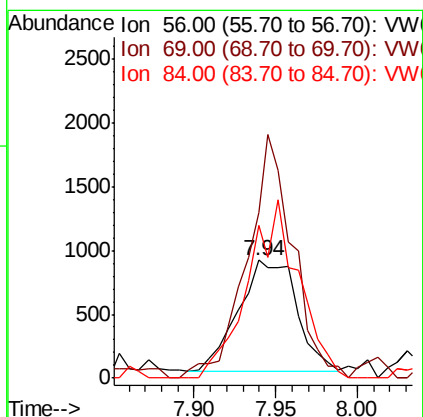
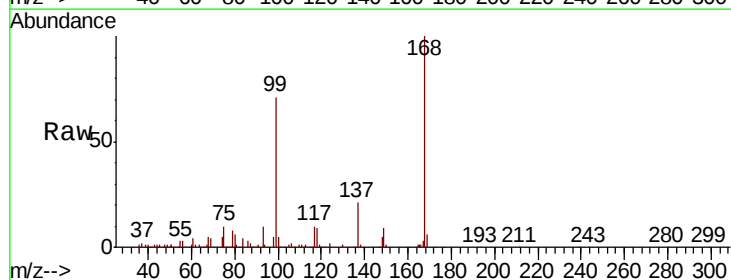
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MSVOA_W
ClientSampleId :
CL-01-011819-B

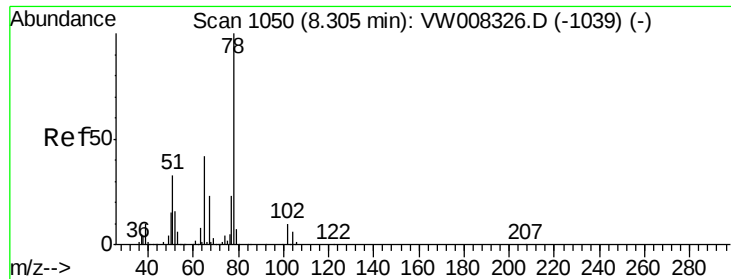
Tgt Ion: 42 Resp: 273
Ion Ratio Lower Upper
42 100
72 125.6 34.0 51.0#
71 71.8 32.0 48.0#



#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

Tgt Ion: 56 Resp: 2138
Ion Ratio Lower Upper
56 100
69 141.6 27.0 40.6#
84 137.7 72.5 108.7#





#33

1,2-Dichloroethane-d4

Concen: 63.718 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

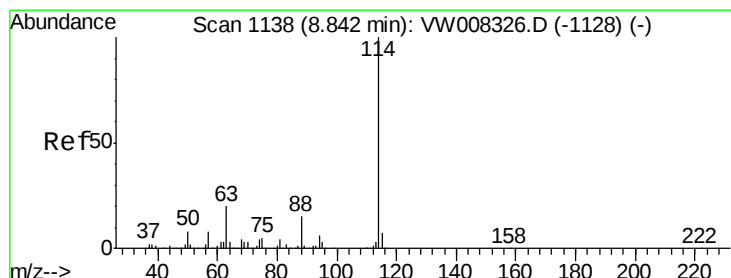
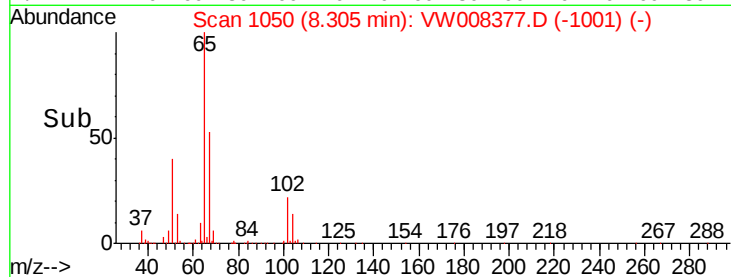
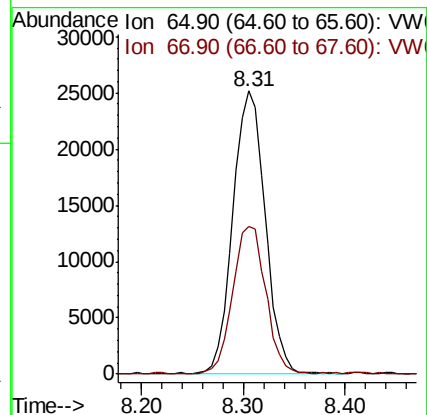
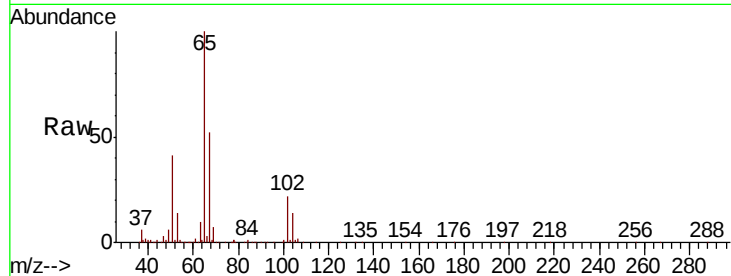
CL-01-011819-B

Tgt Ion: 65 Resp: 55337

Ion Ratio Lower Upper

65 100

67 52.7 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: VW008377.D

Acq: 21 Jan 2019 16:07

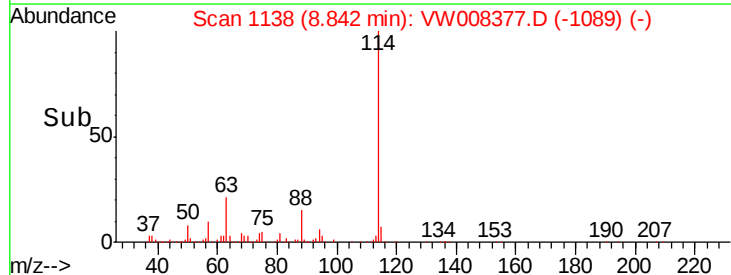
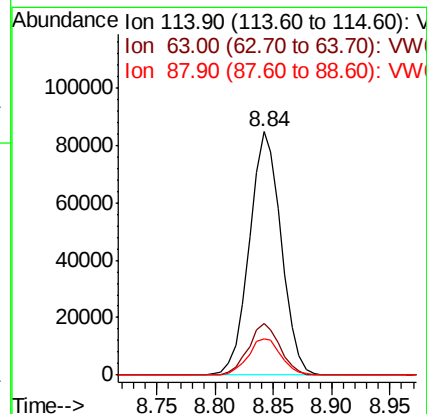
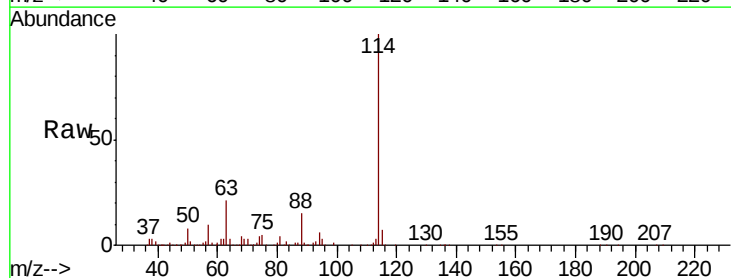
Tgt Ion: 114 Resp: 161579

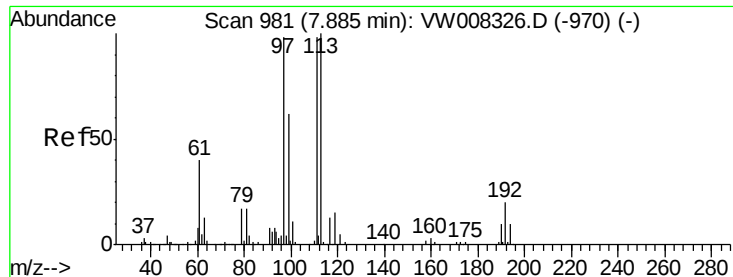
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.351 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

CL-01-011819-B

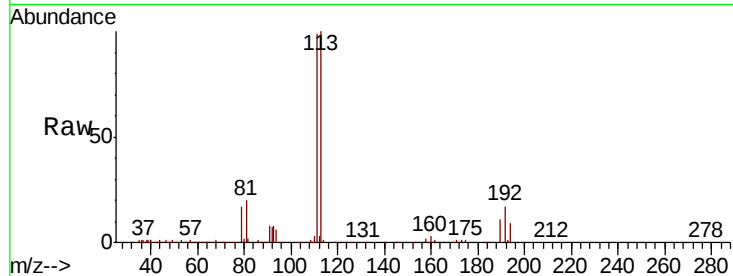
Tgt Ion:113 Resp: 52964

Ion Ratio Lower Upper

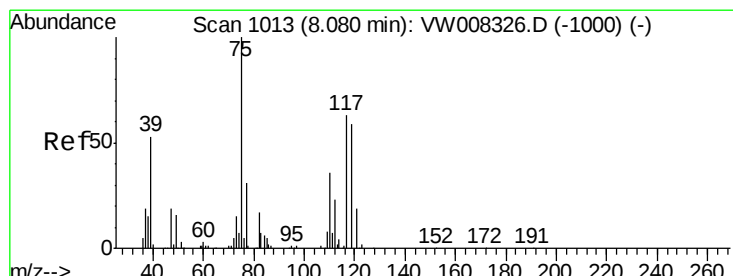
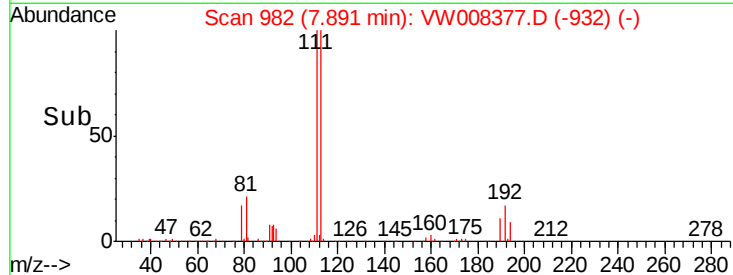
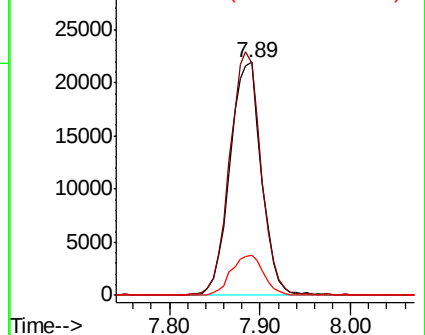
113 100

111 103.4 81.8 122.8

192 17.6 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



#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

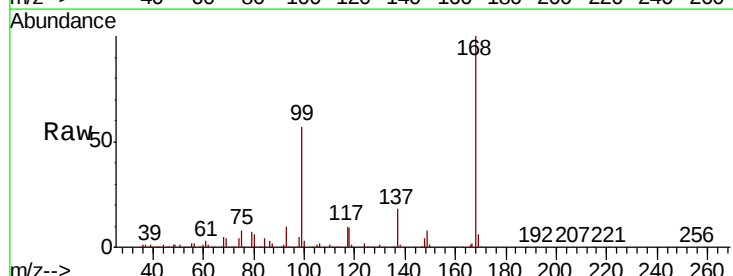
Tgt Ion: 75 Resp: 8001

Ion Ratio Lower Upper

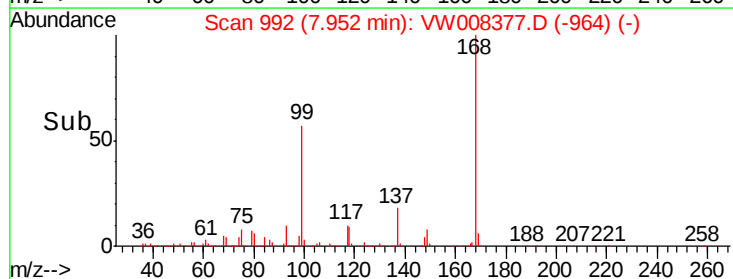
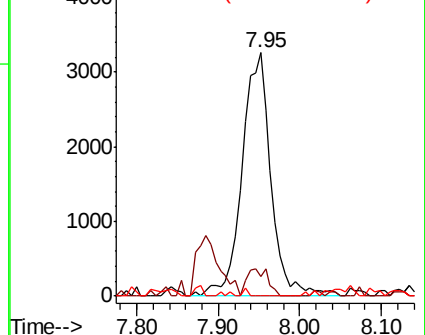
75 100

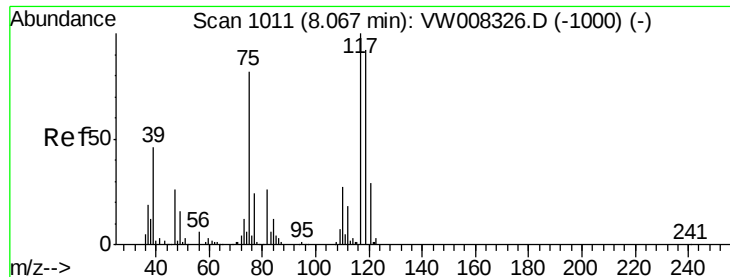
110 8.2 17.5 52.6#

77 0.5 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.527 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

CL-01-011819-B

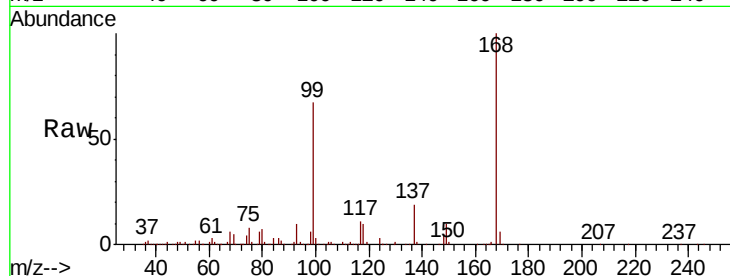
Tgt Ion:117 Resp: 8872

Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.6#

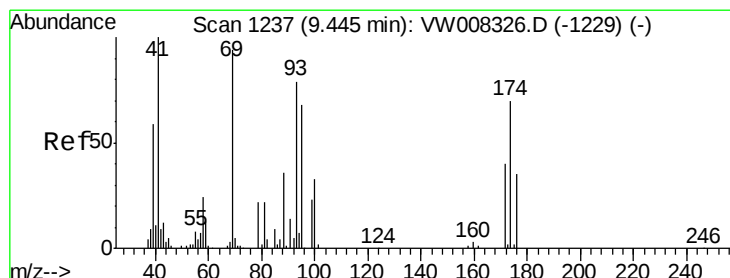
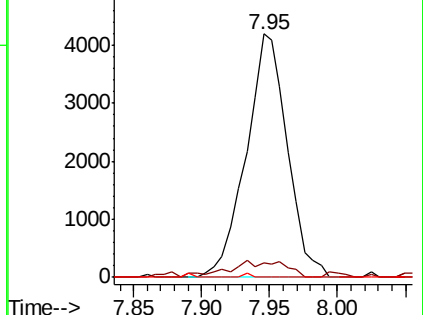
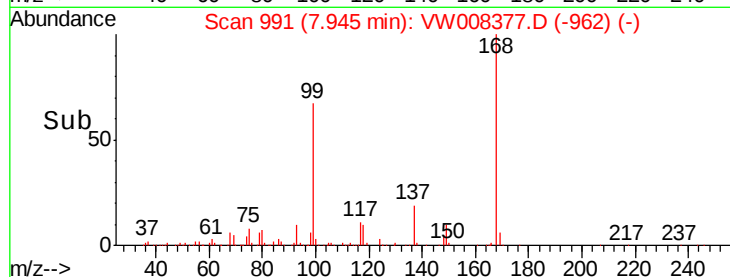
121 0.0 23.4 35.0#



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: 12.608 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

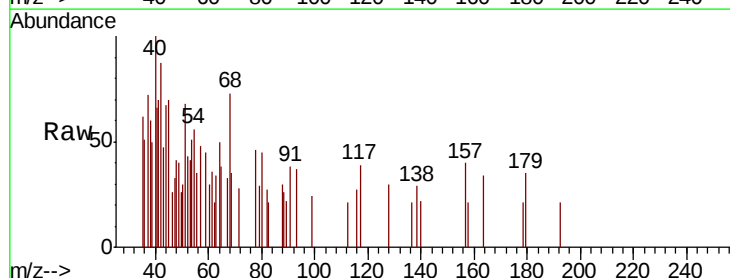
Tgt Ion: 88 Resp: 121

Ion Ratio Lower Upper

88 100

43 250.4 27.1 40.7#

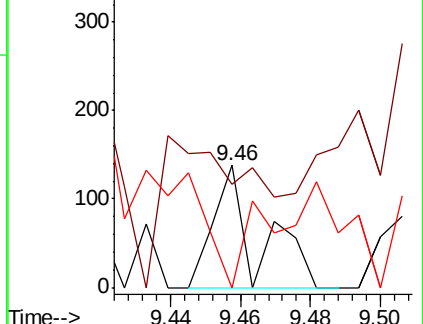
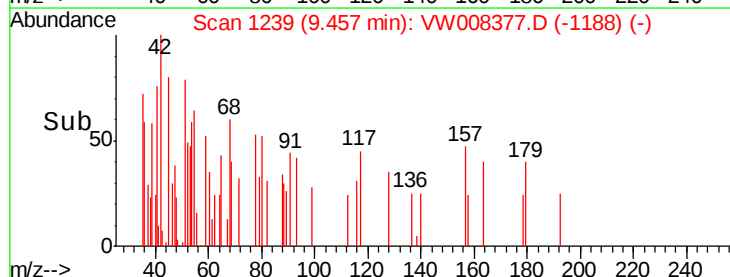
58 0.0 57.9 86.9#

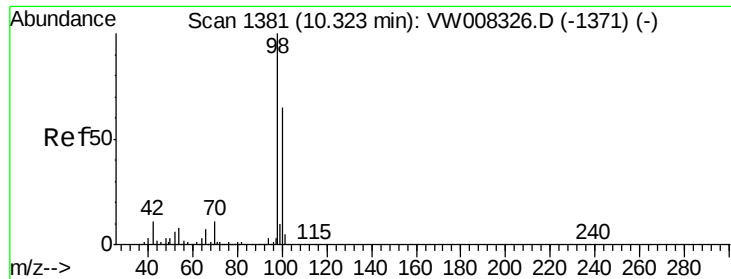


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 52.053 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

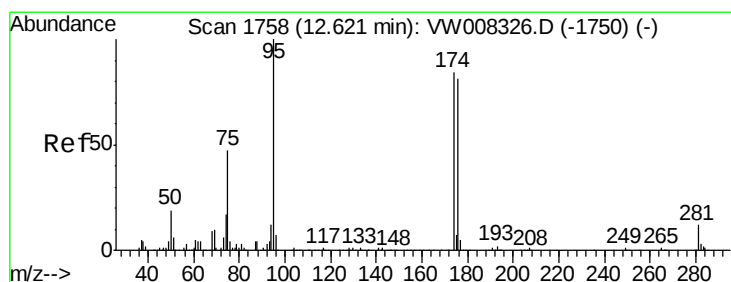
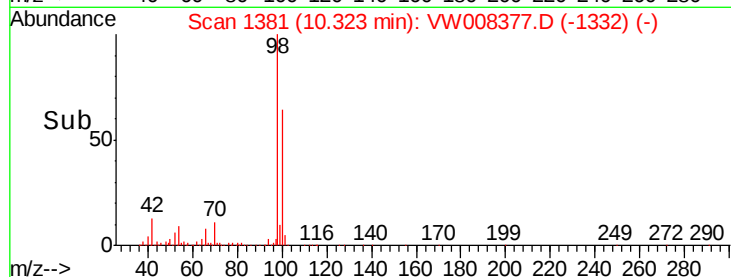
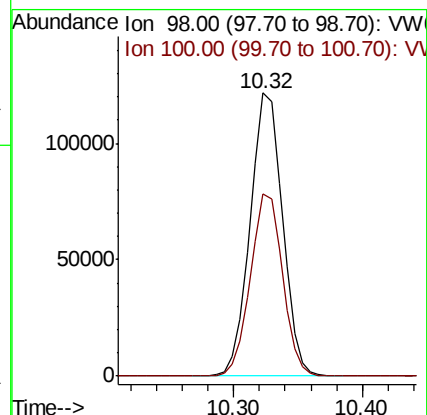
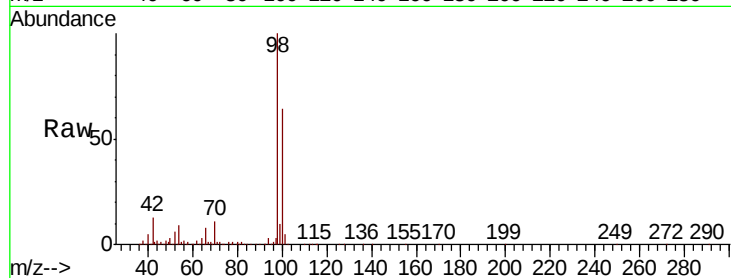
CL-01-011819-B

Tgt Ion: 98 Resp: 210915

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 49.399 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

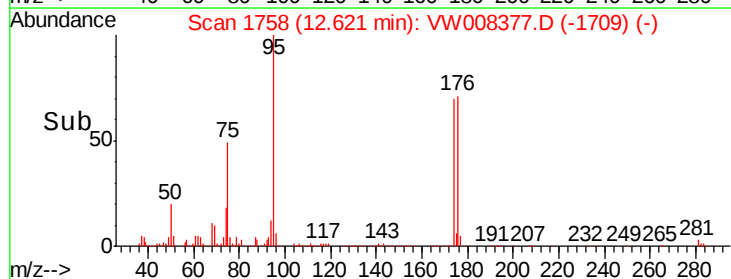
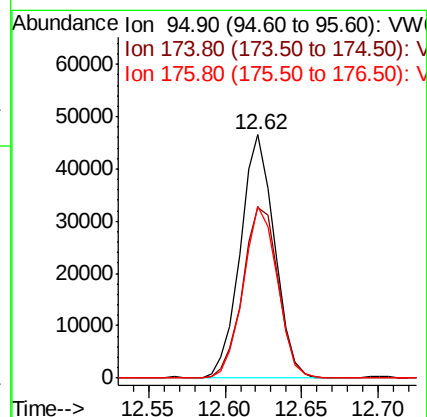
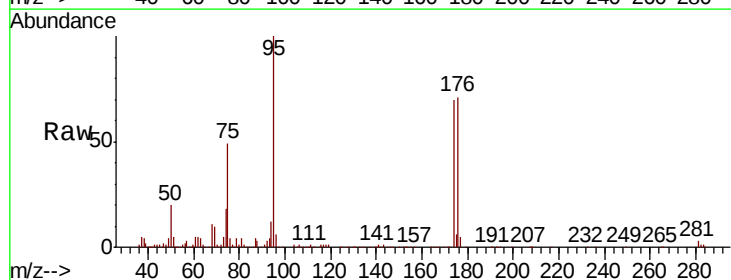
Tgt Ion: 95 Resp: 71789

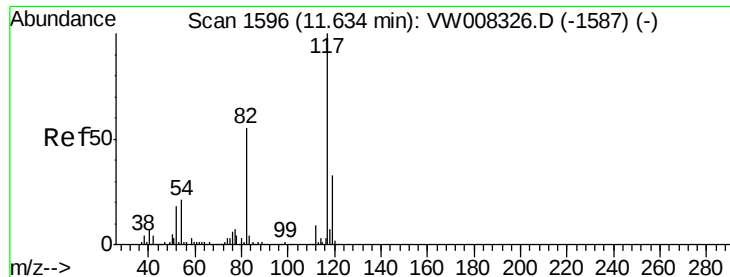
Ion Ratio Lower Upper

95 100

174 73.8 0.0 166.0

176 71.1 0.0 160.0

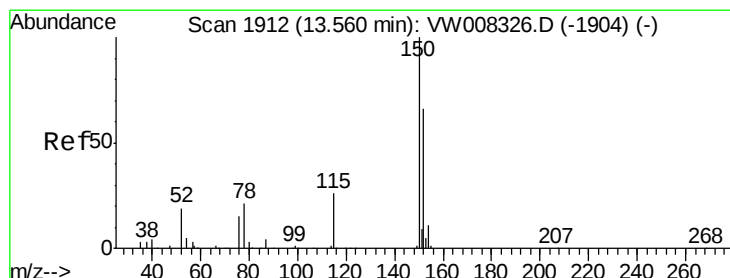
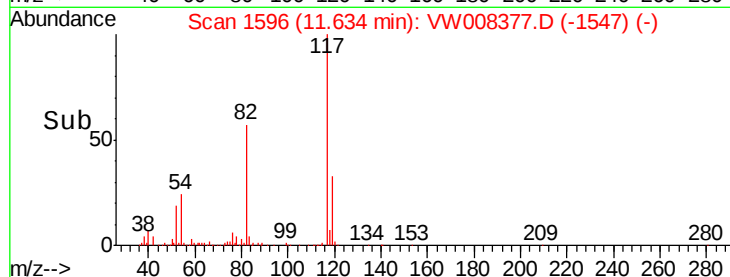
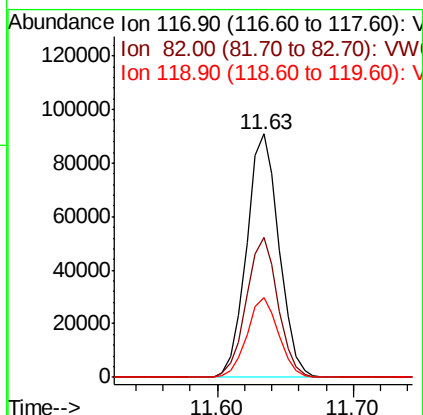
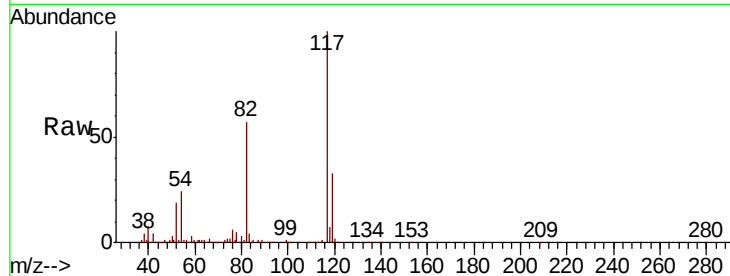




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

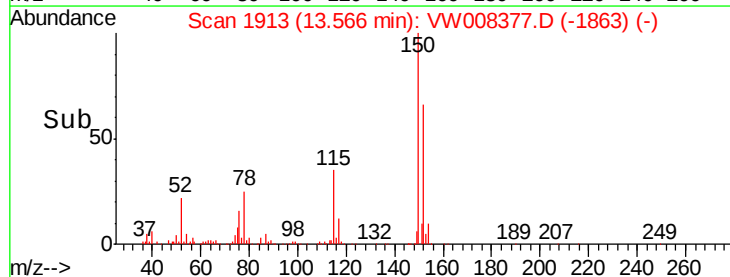
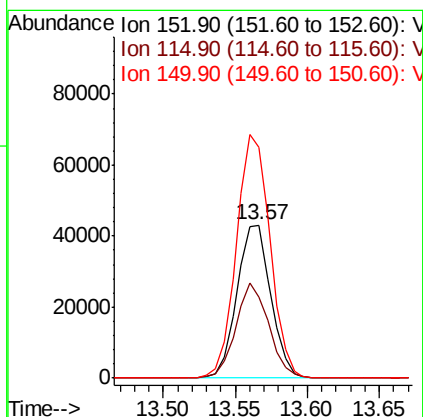
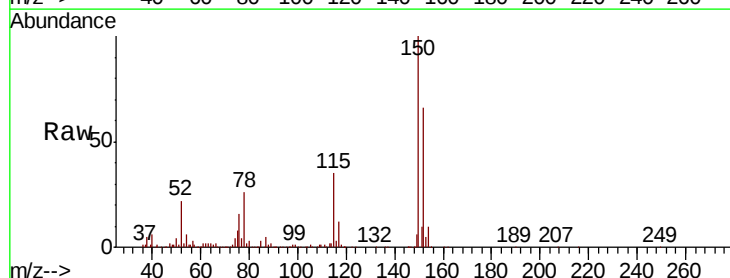
Instrument :
MSVOA_W
ClientSampleId :
CL-01-011819-B

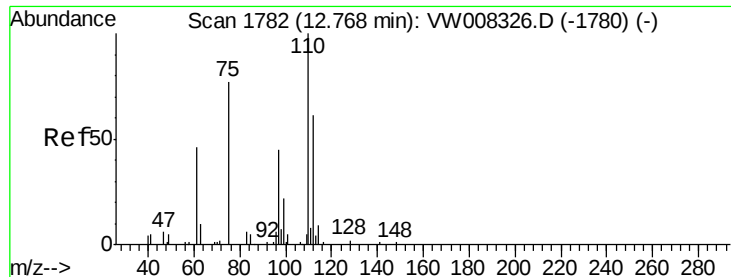
Tgt Ion:117 Resp: 151722
Ion Ratio Lower Upper
117 100
82 57.3 44.3 66.5
119 32.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW008377.D
Acq: 21 Jan 2019 16:07

Tgt Ion:152 Resp: 70652
Ion Ratio Lower Upper
152 100
115 60.3 28.8 86.4
150 157.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 56.651 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

Instrument :

MSVOA_W

ClientSampled :

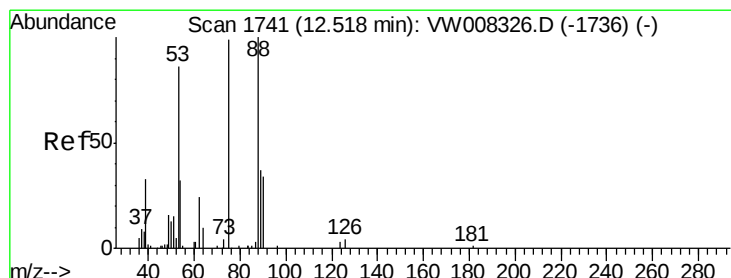
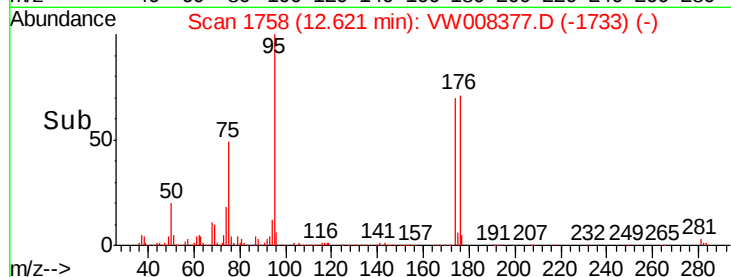
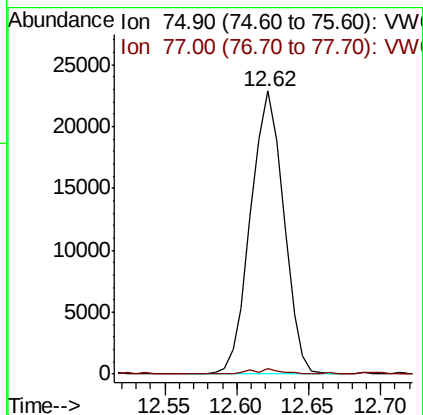
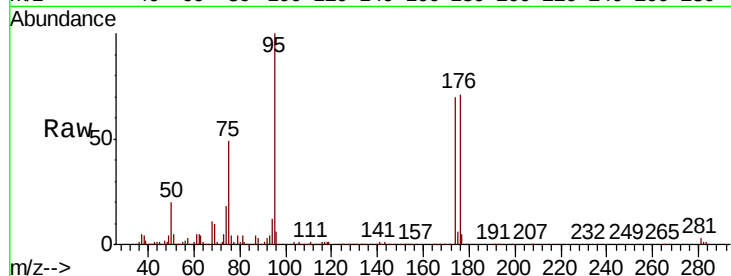
CL-01-011819-B

Tgt Ion: 75 Resp: 36449

Ion Ratio Lower Upper

75 100

77 1.9 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.193 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008377.D

Acq: 21 Jan 2019 16:07

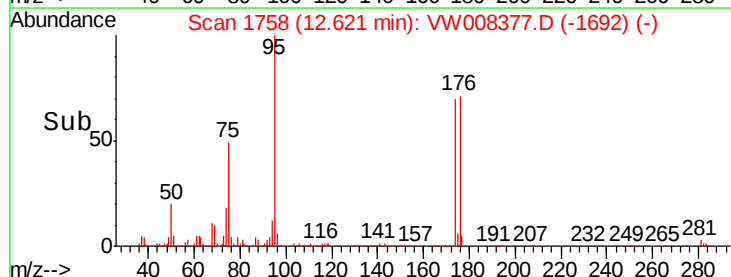
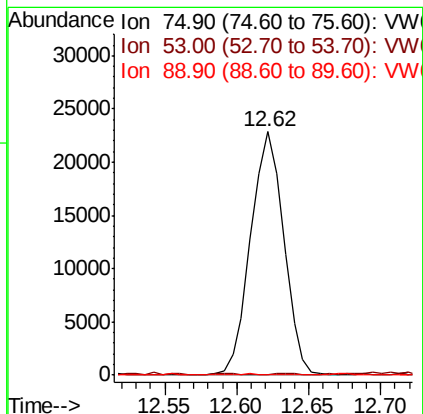
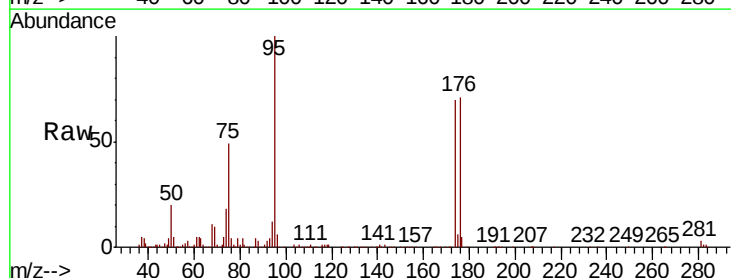
Tgt Ion: 75 Resp: 36449

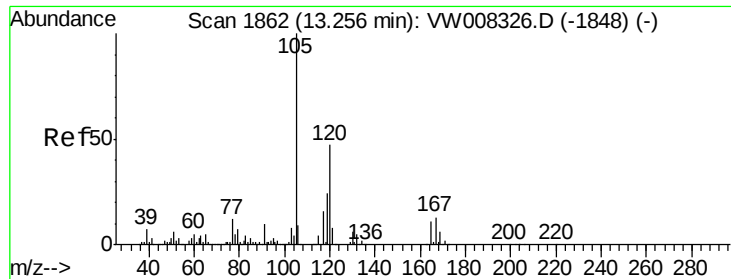
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.3 36.7 55.1#

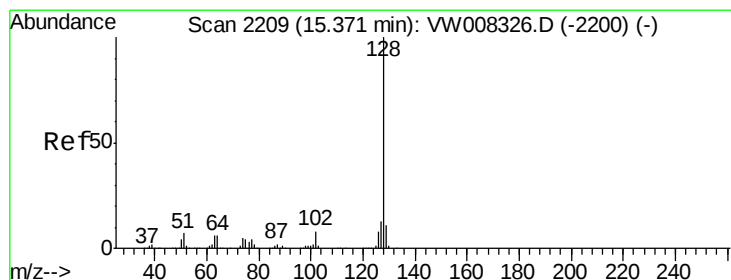
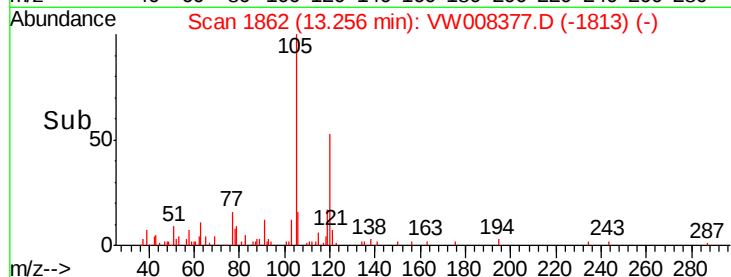
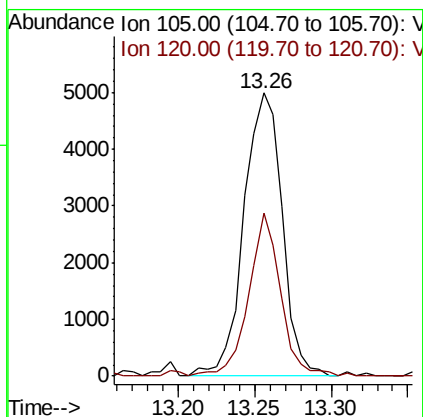
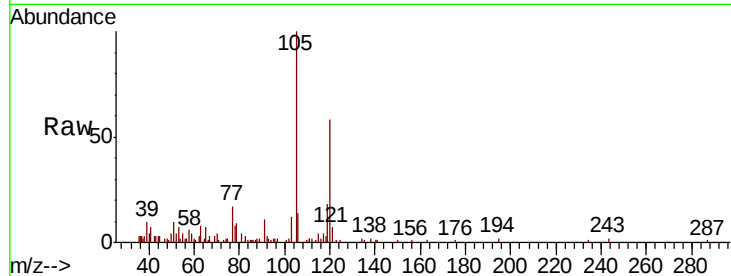




#84
 1,2,4-Trimethylbenzene
 Concen: 1.991 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008377.D
 Acq: 21 Jan 2019 16:07

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-011819-B

Tgt Ion:105 Resp: 8714
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.5 70.6



#95
 Naphthalene
 Concen: 65.438 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW008377.D
 Acq: 21 Jan 2019 16:07

Tgt Ion:128 Resp: 179508
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.5 15.7
 129 11.1 8.8 13.2

