

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014609.D
 Acq On : 10 Jan 2020 19:29
 Operator : SY/VA
 Sample : L1054-03
 Misc : 7.28G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-02-3-4

Quant Time: Jan 11 04:02:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	656607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1012672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	783928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	292514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	356663	62.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.26%	
35) Dibromofluoromethane	7.88	113	357270	61.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.46%	
50) Toluene-d8	10.32	98	1331368	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.62	95	377980	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	

Target Compounds

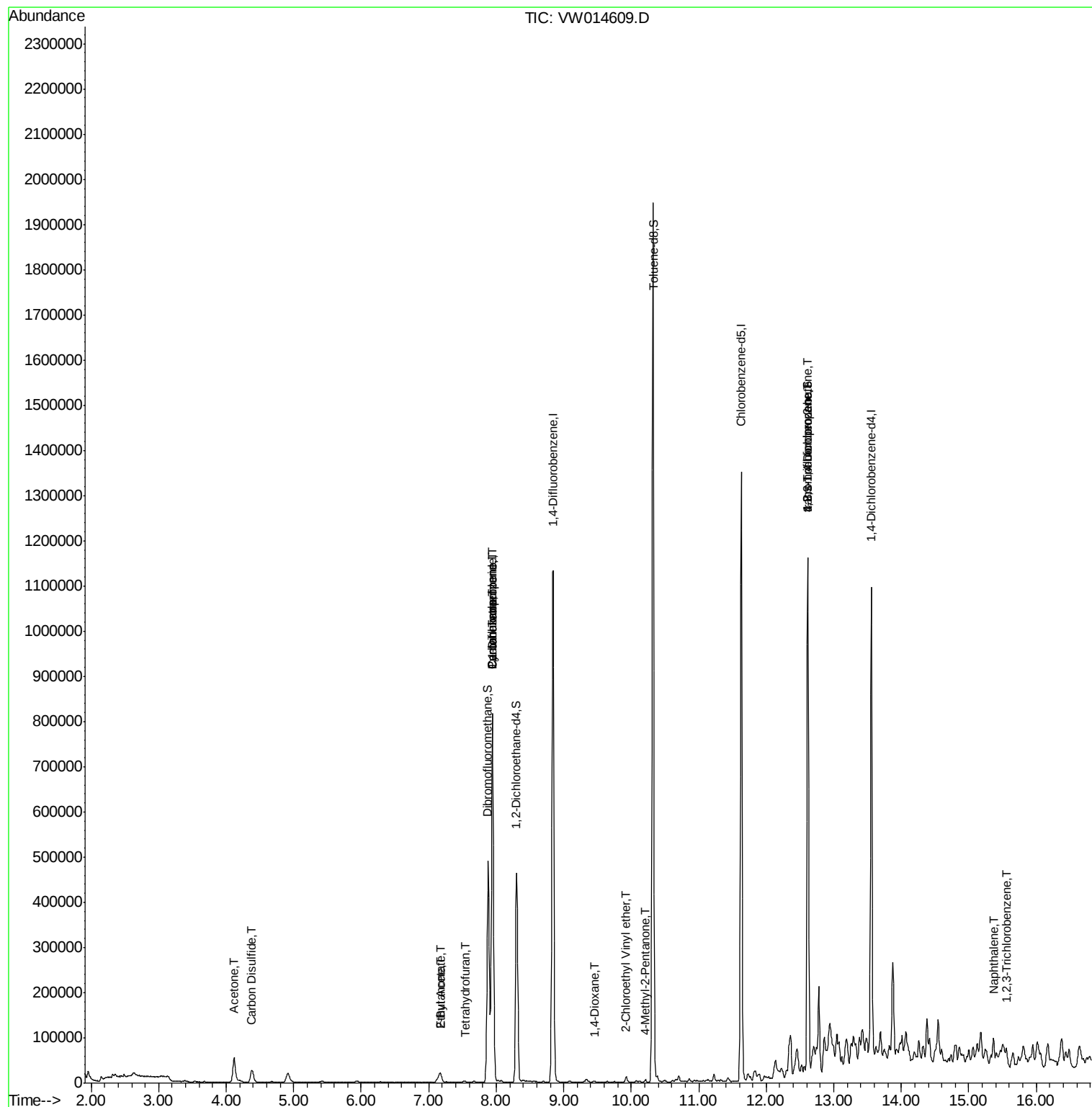
						Qvalue
11) Tert butyl alcohol	5.18	59	1353	Below Cal	#	78
16) Acetone	4.12	43	98837	60.972	ug/l	98
17) Carbon Disulfide	4.38	76	55951	2.841	ug/l	100
20) Methylene Chloride	4.90	84	17955	Below Cal		95
25) 2-Butanone	7.18	43	29300	14.085	ug/l	97
29) Tetrahydrofuran	7.55	42	1969	1.528	ug/l #	63
31) Cyclohexane	7.94	56	13021	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	44924	4.602	ug/l #	48
37) Ethyl Acetate	7.18	43	29300	6.617	ug/l #	76
38) Carbon Tetrachloride	7.94	117	58178	6.869	ug/l #	16
49) 1,4-Dioxane	9.45	88	90	1.438	ug/l #	1
51) 4-Methyl-2-Pentanone	10.20	43	4219	1.010	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.92	63	5917	3.063	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	176396	63.780	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	176396	142.105	ug/l #	14
95) Naphthalene	15.36	128	50166	5.112	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	6492	1.294	ug/l #	1

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011020\
Data File : VW014609.D
Acq On : 10 Jan 2020 19:29
Operator : SY/VA
Sample : L1054-03
Misc : 7.28G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CIY1-SB-02-3-4

Quant Time: Jan 11 04:02:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
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: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

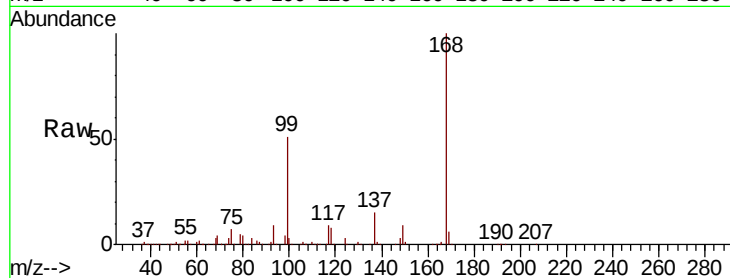
CIY1-SB-02-3-4

Tot Ion:168 Resp: 656607

Ion Ratio Lower Upper

168 100

99 50.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

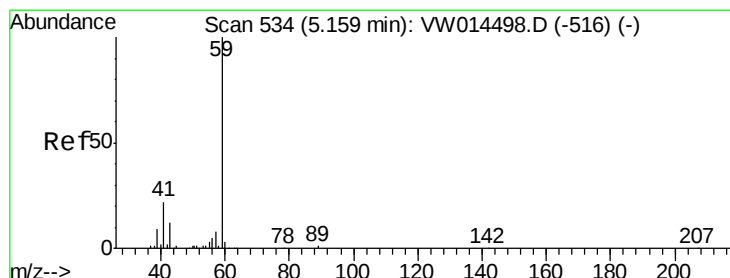
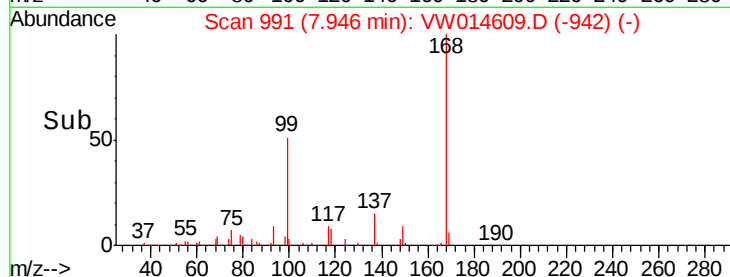
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.02 min

Lab File: VW014609.D

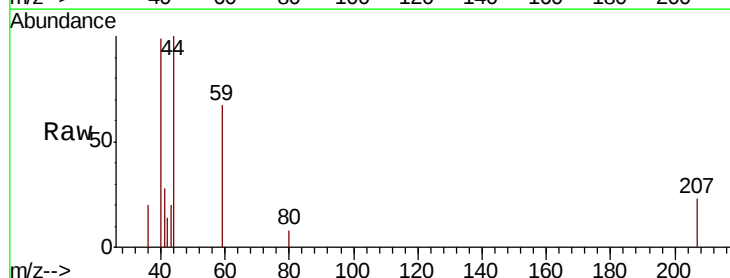
Acq: 10 Jan 2020 19:29

Tgt Ion: 59 Resp: 1353

Ion Ratio Lower Upper

59 100

57 1.7 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

500

400

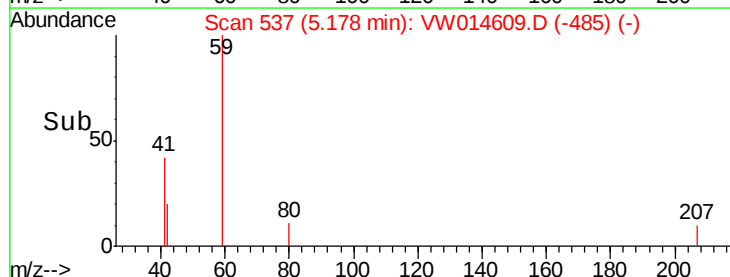
300

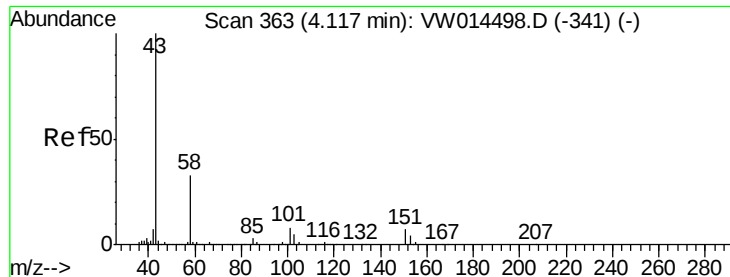
200

100

0

Time--> 5.05 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 60.972 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

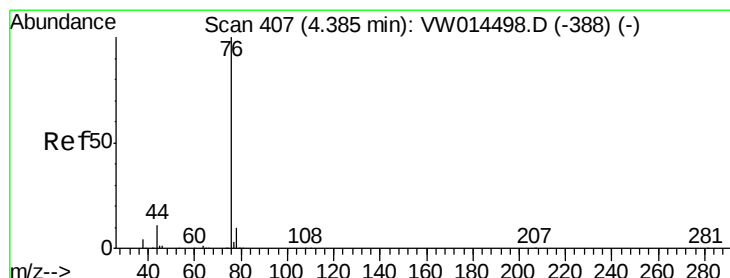
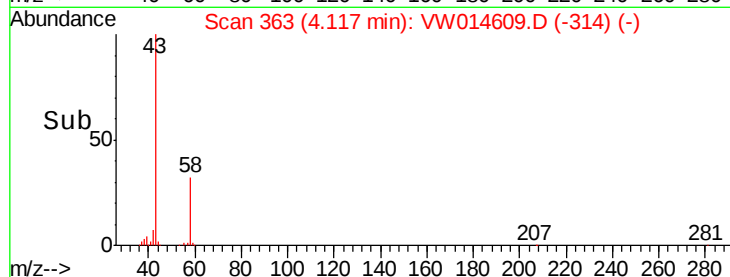
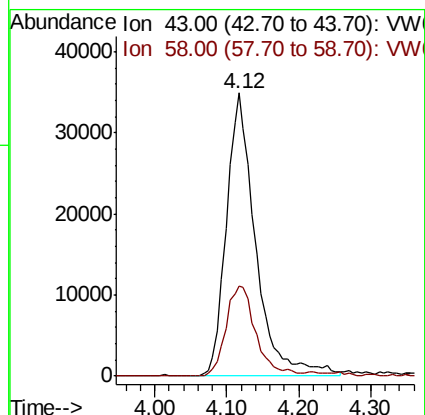
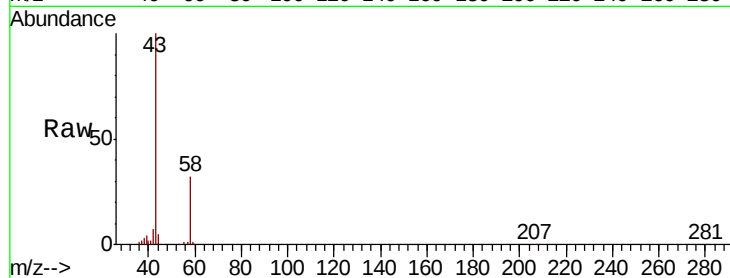
CIY1-SB-02-3-4

Tot Ion: 43 Resp: 98837

Ion Ratio Lower Upper

43 100

58 32.0 26.6 39.8



#17

Carbon Disulfide

Concen: 2.841 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014609.D

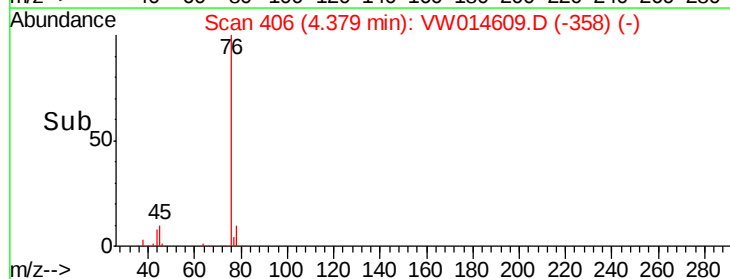
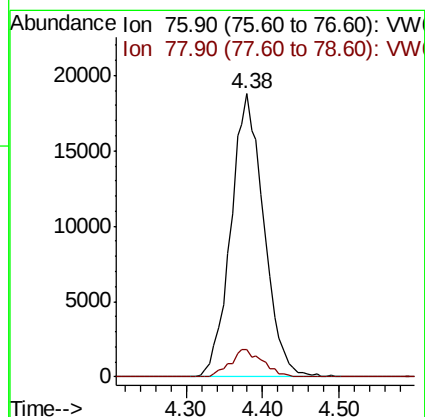
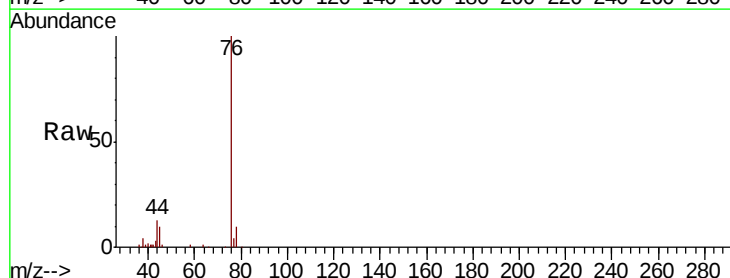
Acq: 10 Jan 2020 19:29

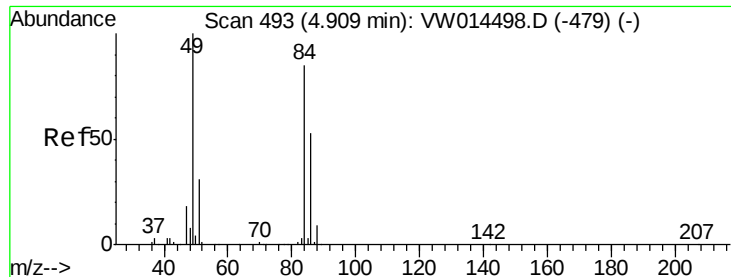
Tgt Ion: 76 Resp: 55951

Ion Ratio Lower Upper

76 100

78 9.9 7.8 11.6

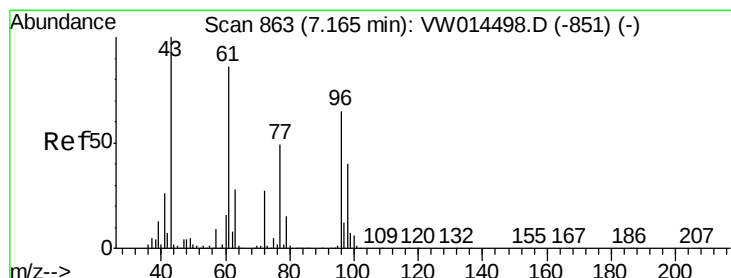
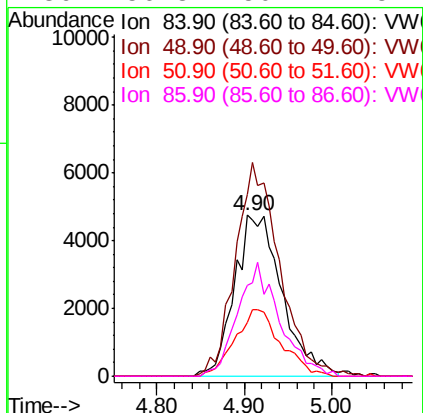
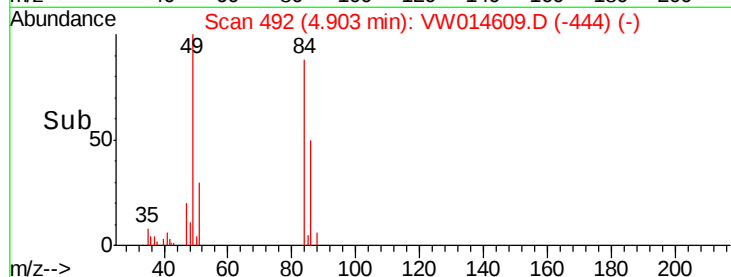
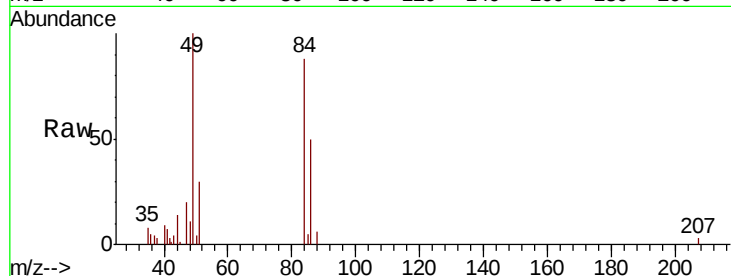




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW014609.D
Acq: 10 Jan 2020 19:29

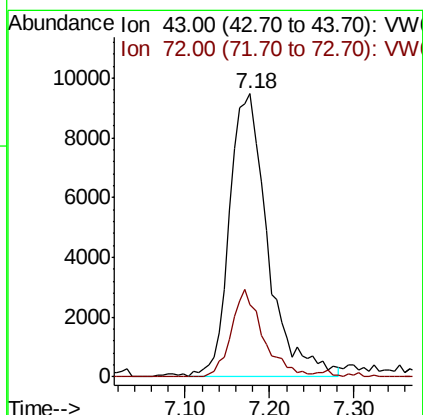
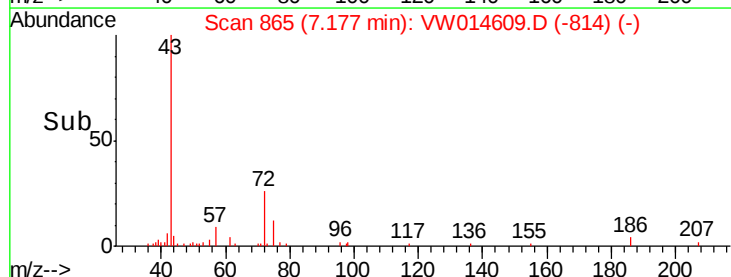
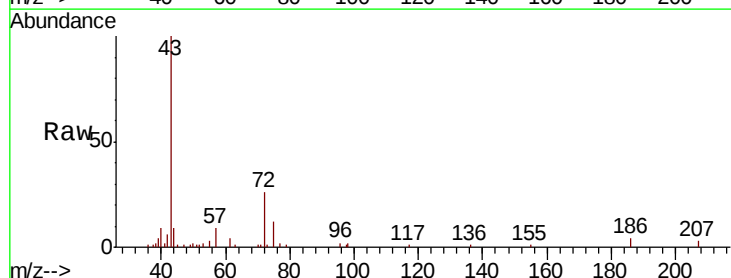
Instrument :
MSVOA_W
ClientSampleId :
CIY1-SB-02-3-4

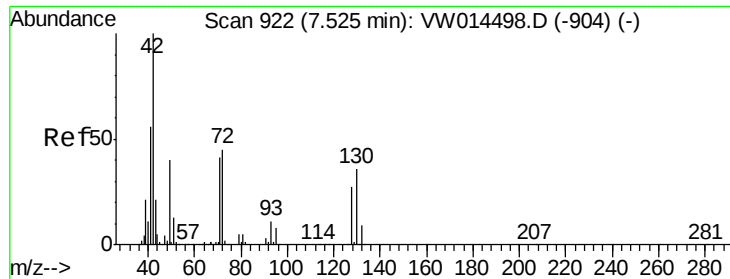
Tot Ion:	84	Resp:	17955
Ion	Ratio	Lower	Upper
84	100		
49	113.4	94.4	141.6
51	33.7	29.5	44.3
86	56.8	50.2	75.2



#25
2-Butanone
Concen: 14.085 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW014609.D
Acq: 10 Jan 2020 19:29

Tgt Ion:	43	Resp:	29300
Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.9	32.9

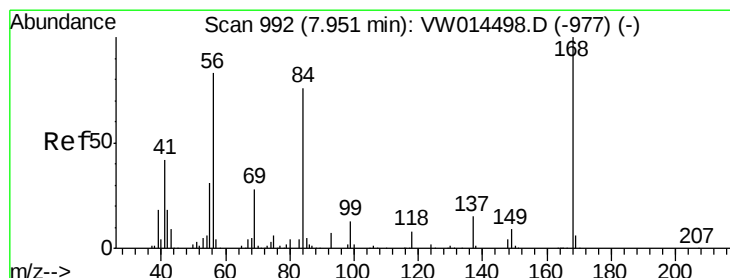
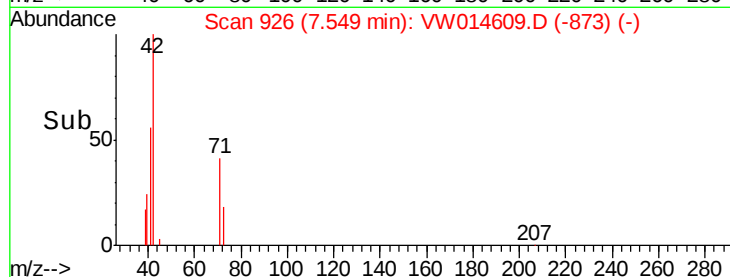
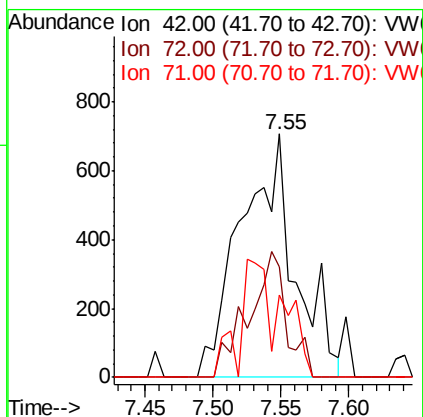
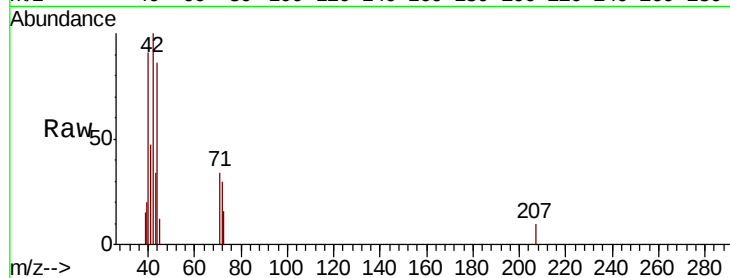




#29
Tetrahydrofuran
Concen: 1.528 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW014609.D
Acq: 10 Jan 2020 19:29

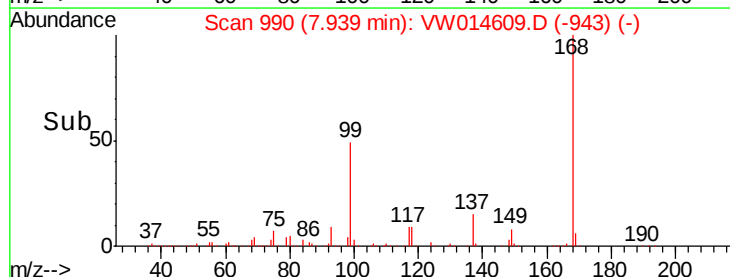
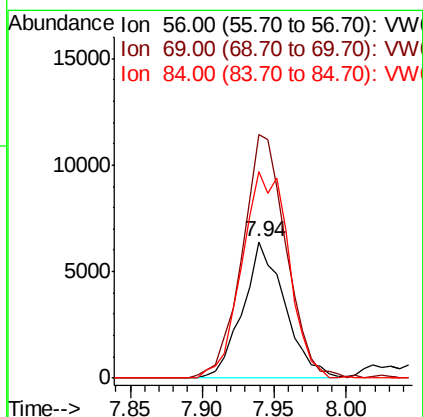
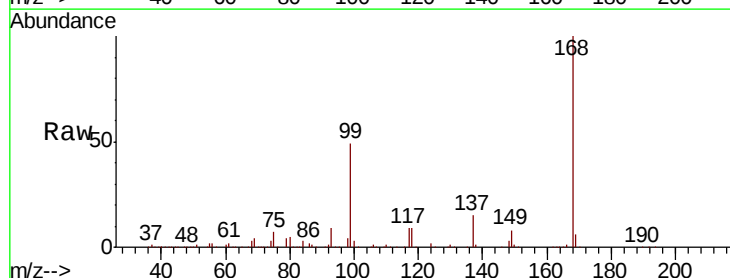
Instrument :
MSVOA_W
ClientSampleId :
CIY1-SB-02-3-4

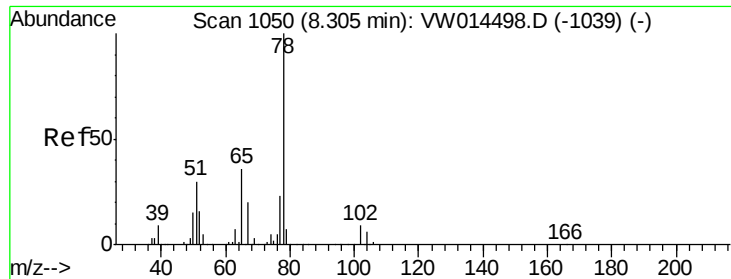
Tot Ion: 42 Resp: 1969
Ion Ratio Lower Upper
42 100
72 36.3 34.5 51.7
71 0.0 32.0 48.0#



#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014609.D
Acq: 10 Jan 2020 19:29

Tgt Ion: 56 Resp: 13021
Ion Ratio Lower Upper
56 100
69 178.4 26.8 40.2#
84 151.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 62.128 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

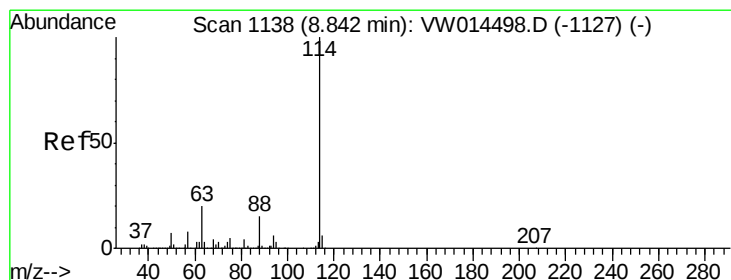
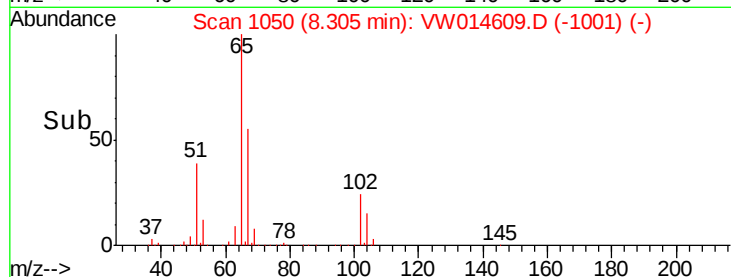
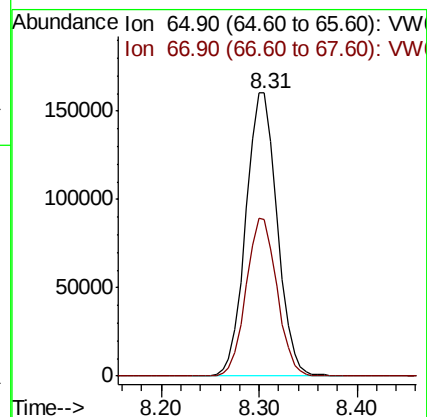
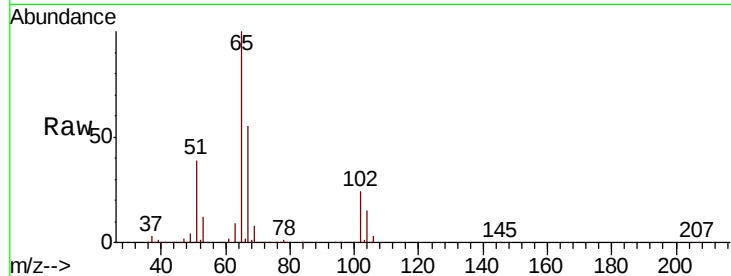
CIY1-SB-02-3-4

Tot Ion: 65 Resp: 356663

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

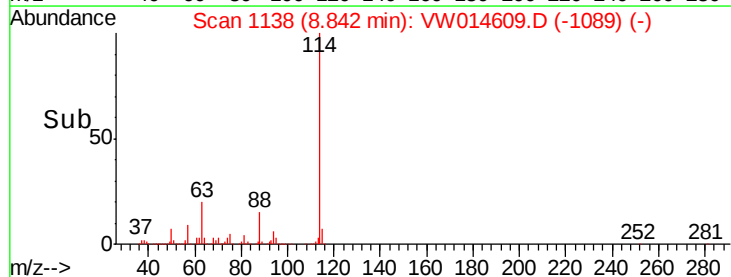
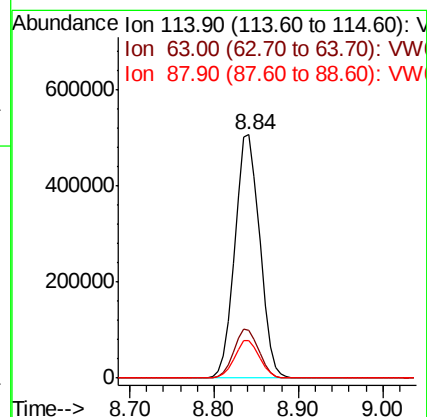
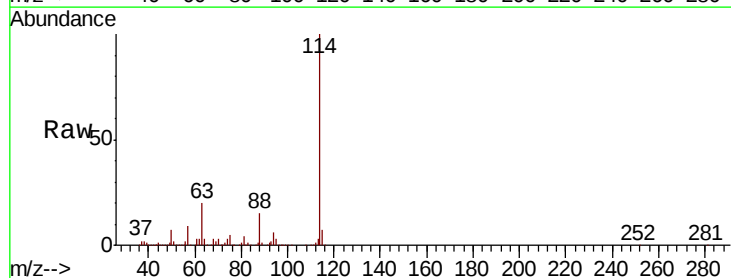
Tgt Ion: 114 Resp: 1012672

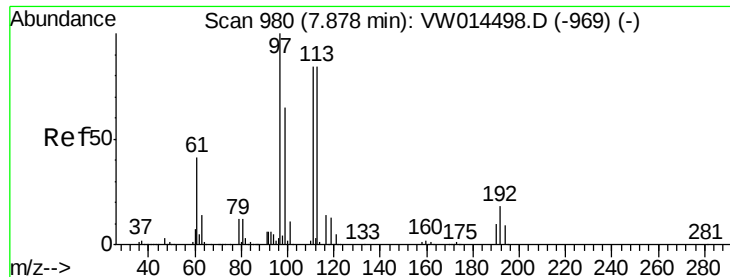
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.5 0.0 30.6

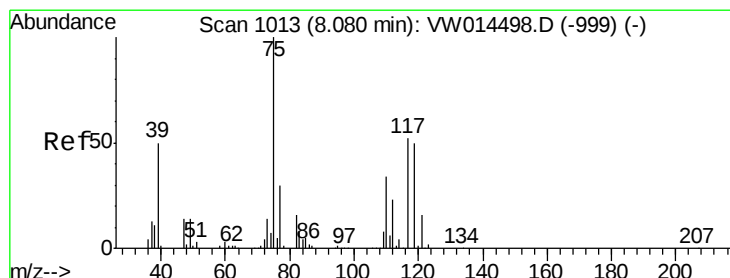
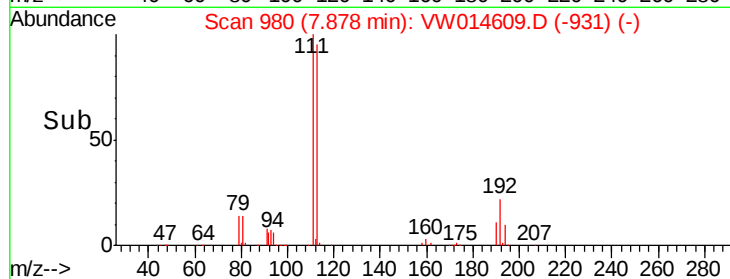
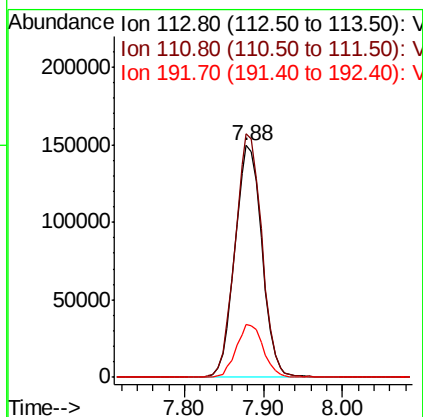
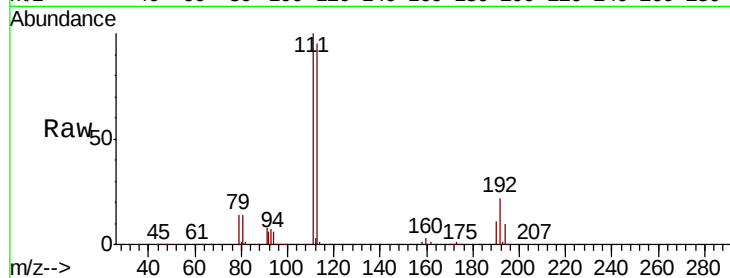




#35
 Dibromofluoromethane
 Concen: 61.730 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014609.D
 Acq: 10 Jan 2020 19:29

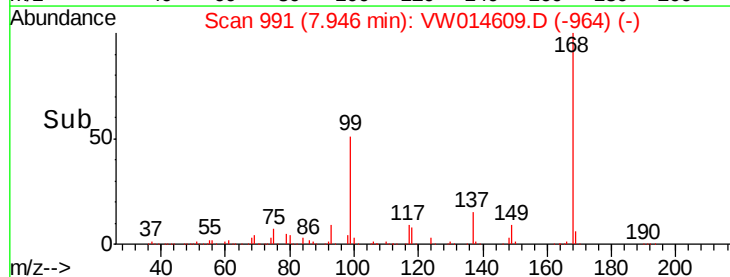
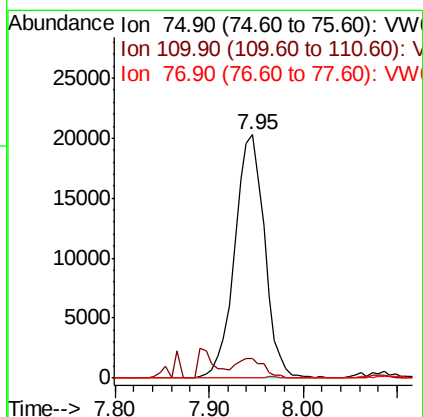
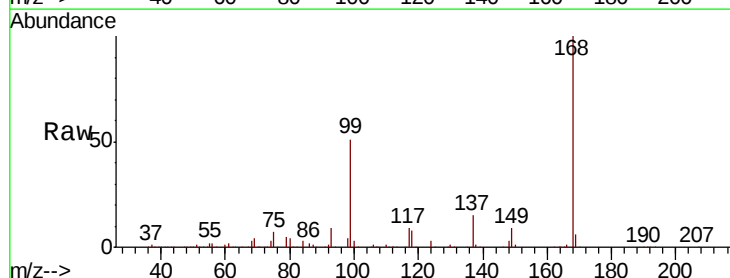
Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-02-3-4

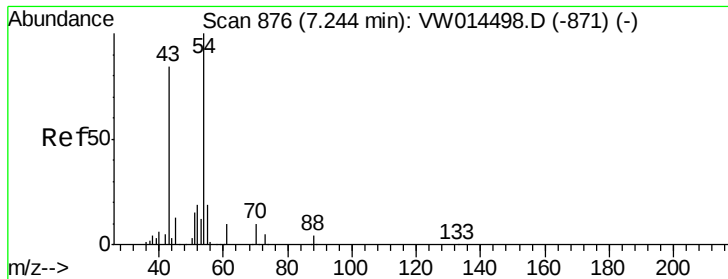
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.2
192	22.6	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.602 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014609.D
 Acq: 10 Jan 2020 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.8	53.5#
77	0.0	24.7	37.1#

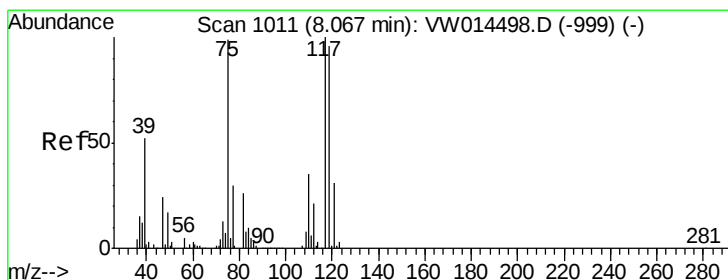
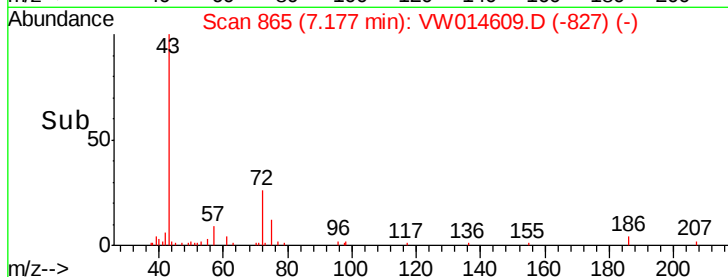
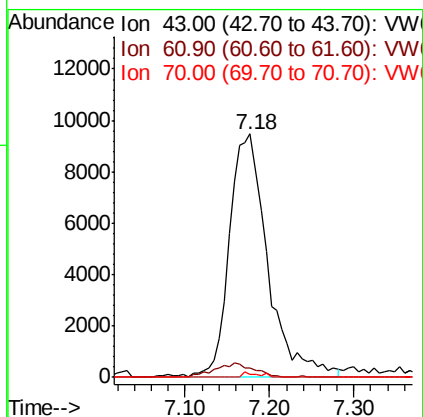
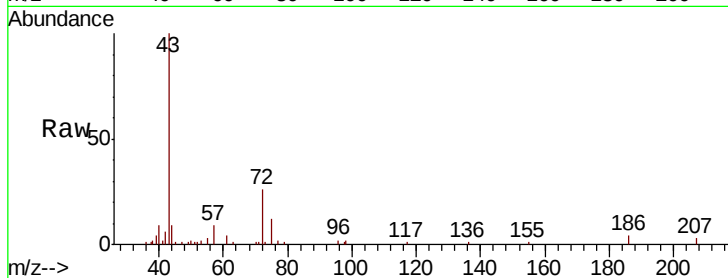




#37
Ethyl Acetate
Concen: 6.617 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW014609.D
Acq: 10 Jan 2020 19:29

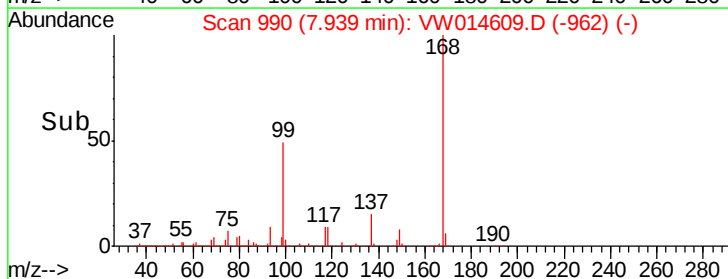
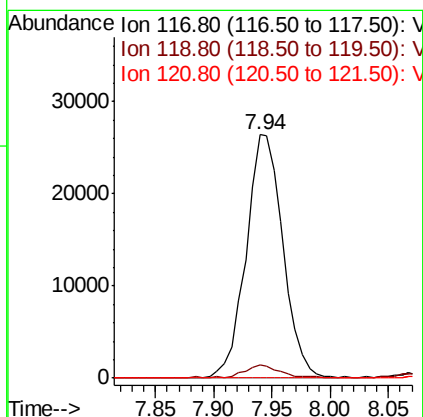
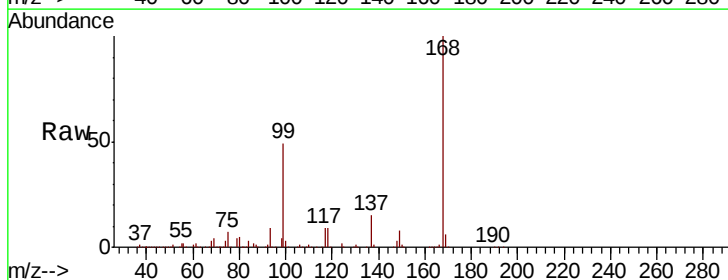
Instrument :
MSVOA_W
ClientSampleId :
CIY1-SB-02-3-4

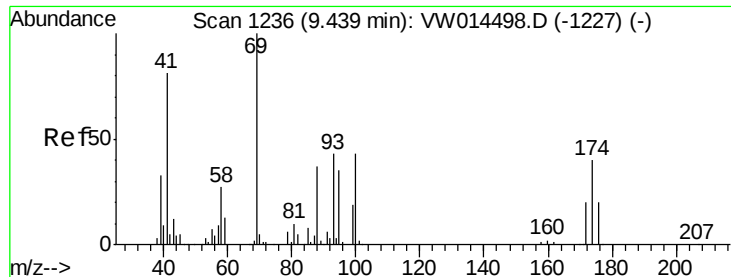
Tot Ion: 43 Resp: 29300
Ion Ratio Lower Upper
43 100
61 6.1 11.7 17.5#
70 0.8 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 6.869 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW014609.D
Acq: 10 Jan 2020 19:29

Tgt Ion: 117 Resp: 58178
Ion Ratio Lower Upper
117 100
119 5.3 77.0 115.6#
121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 1.438 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-02-3-4

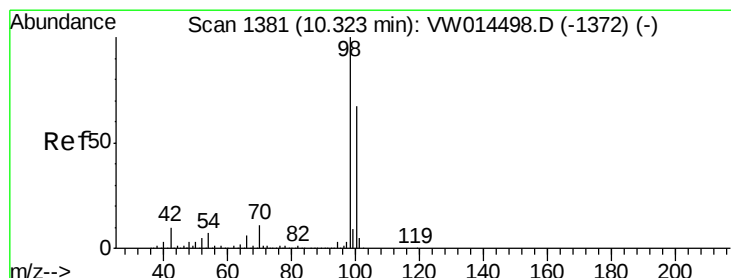
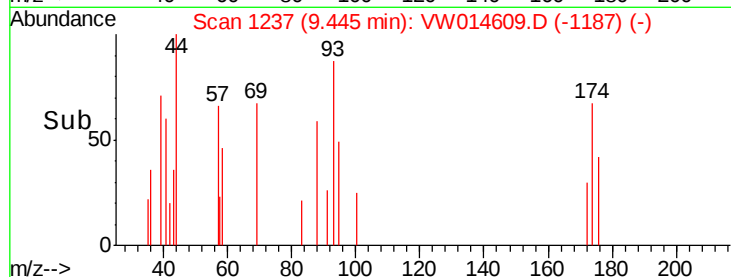
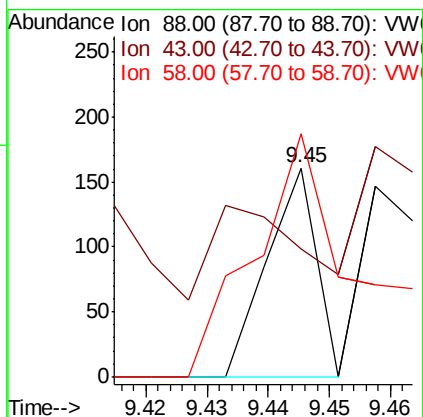
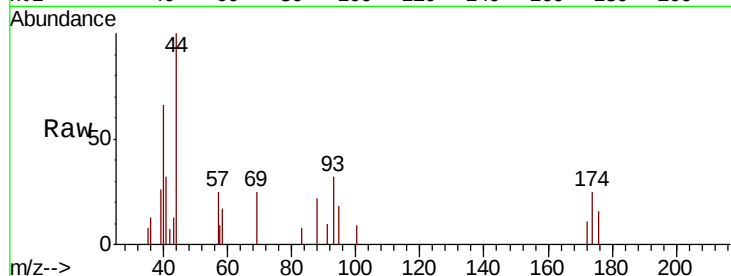
Tot Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 80.0 24.9 37.3#

58 255.6 56.9 85.3#



#50

Toluene-d8

Concen: 55.122 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014609.D

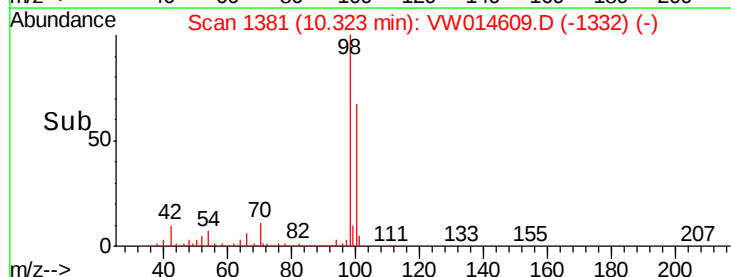
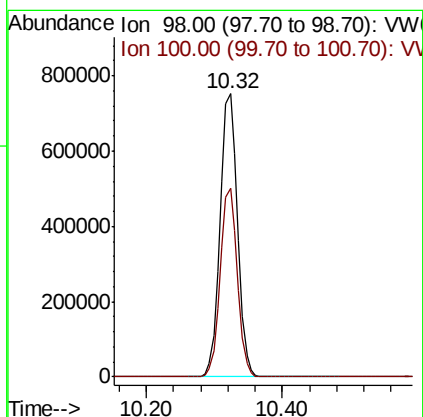
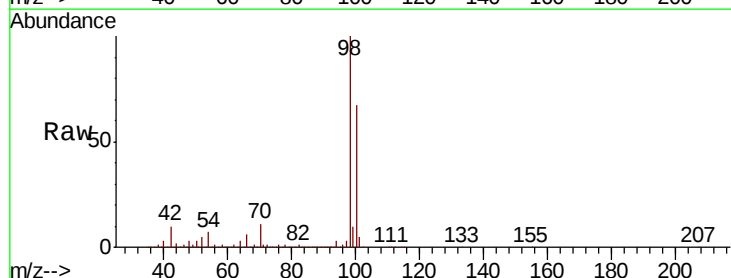
Acq: 10 Jan 2020 19:29

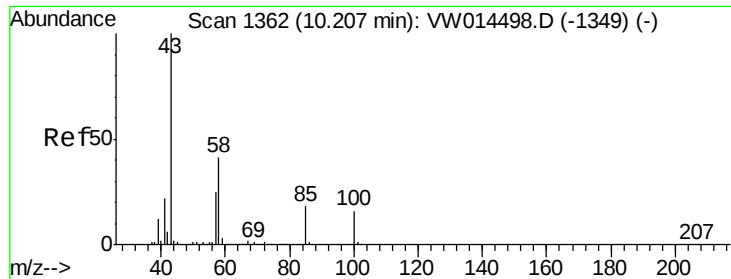
Tgt Ion: 98 Resp: 1331368

Ion Ratio Lower Upper

98 100

100 65.5 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 1.010 ug/l

RT: 10.20 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

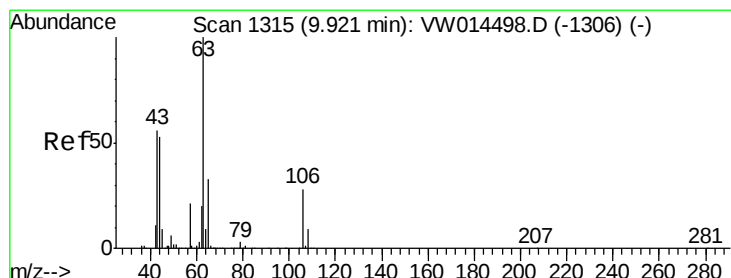
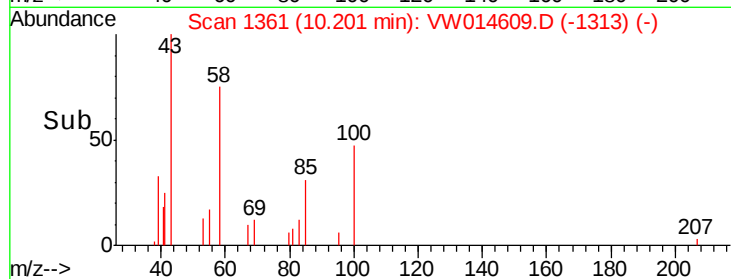
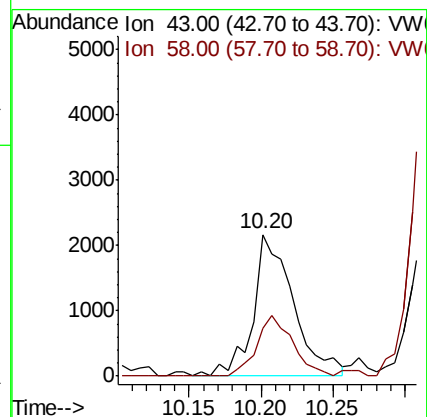
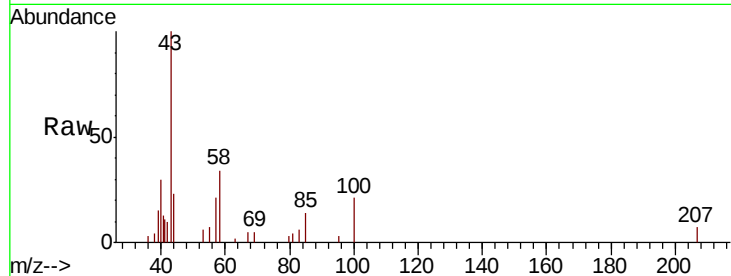
CIY1-SB-02-3-4

Tot Ion: 43 Resp: 4219

Ion Ratio Lower Upper

43 100

58 38.0 32.7 49.1



#58

2-Chloroethyl Vinyl ether

Concen: 3.063 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014609.D

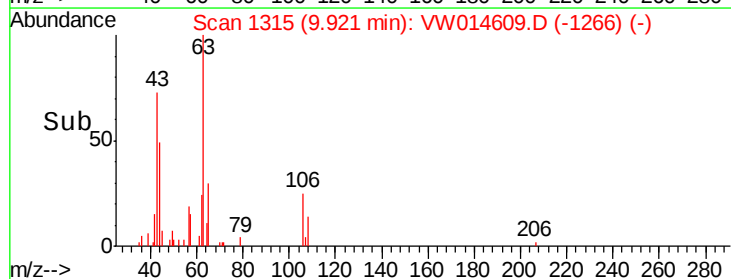
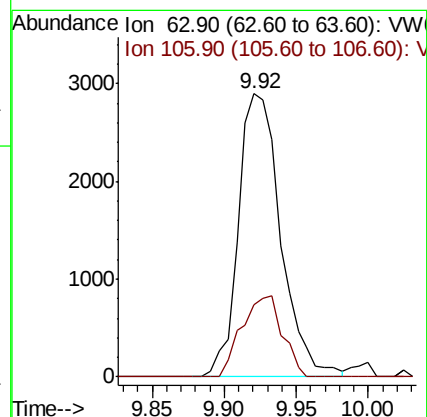
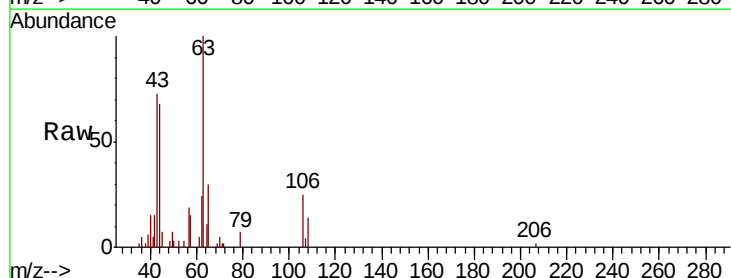
Acq: 10 Jan 2020 19:29

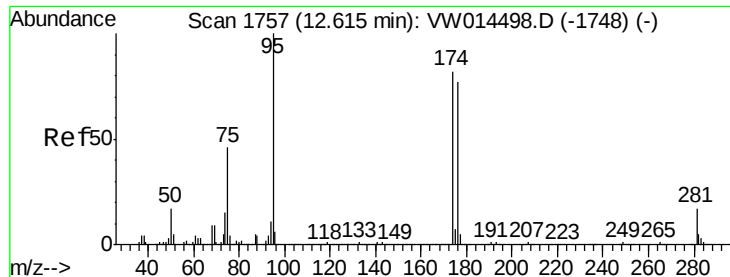
Tgt Ion: 63 Resp: 5917

Ion Ratio Lower Upper

63 100

106 27.4 23.0 34.6





#62

4-Bromofluorobenzene

Concen: 46.138 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-02-3-4

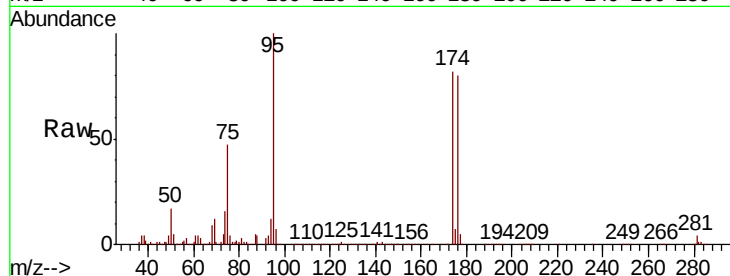
Tot Ion: 95 Resp: 377980

Ion Ratio Lower Upper

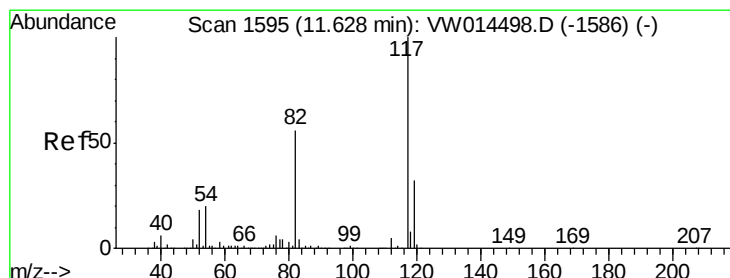
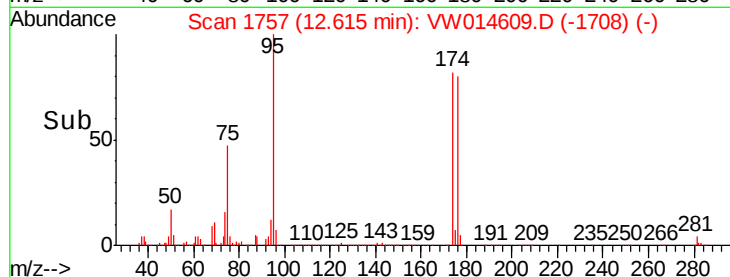
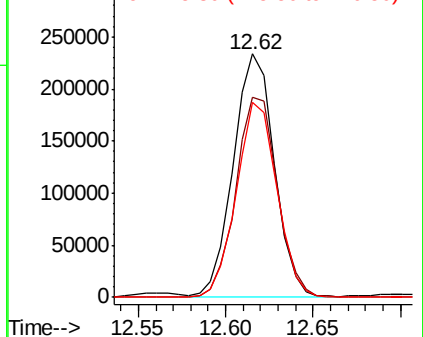
95 100

174 84.0 0.0 168.6

176 80.3 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

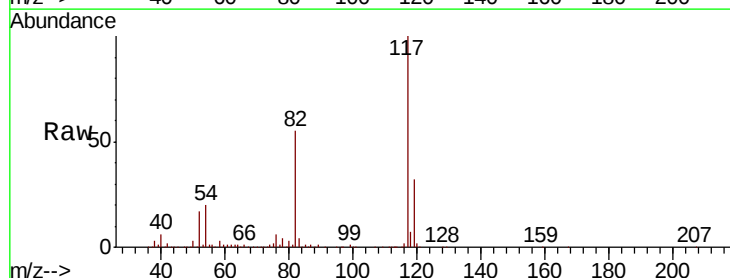
Tgt Ion: 117 Resp: 783928

Ion Ratio Lower Upper

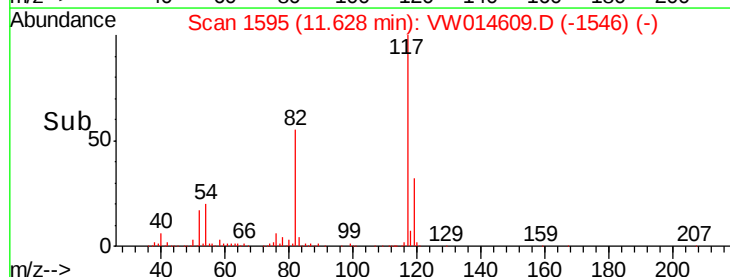
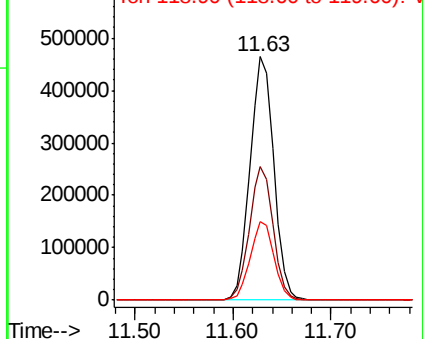
117 100

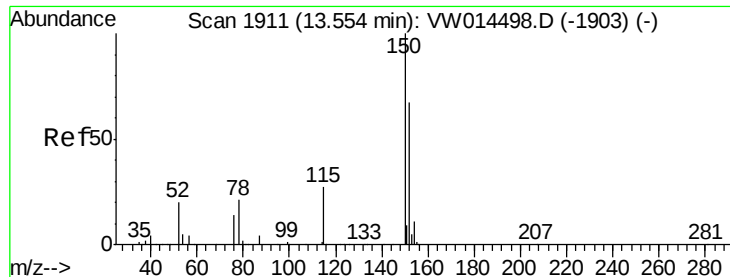
82 54.9 44.6 67.0

119 32.2 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-02-3-4

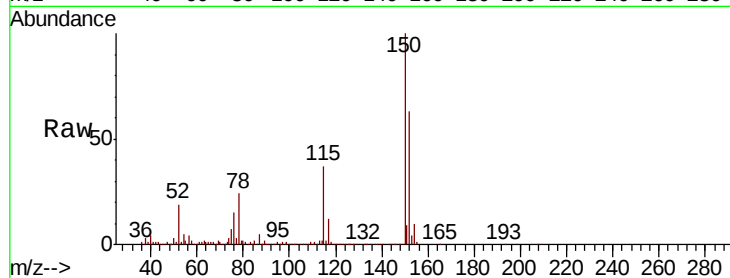
Tot Ion:152 Resp: 292514

Ion Ratio Lower Upper

152 100

115 55.5 27.7 83.1

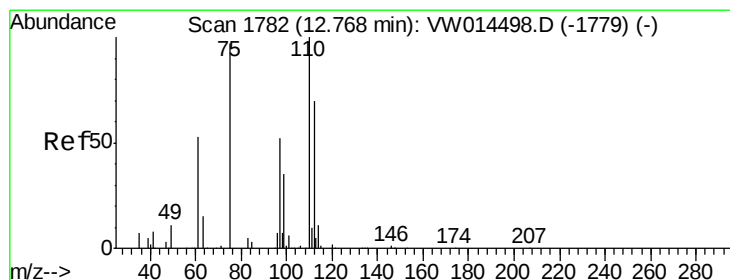
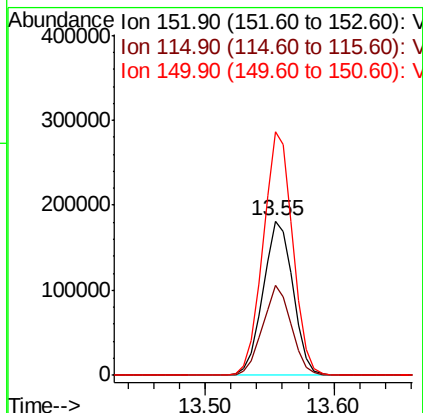
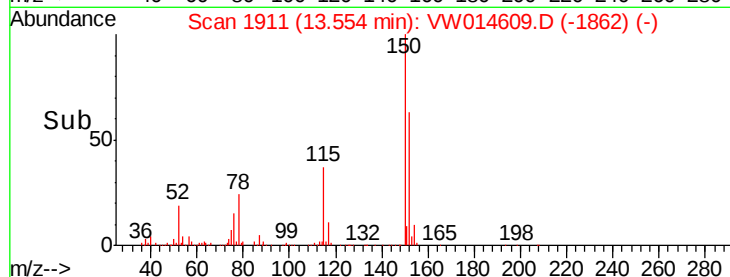
150 155.4 0.0 343.4



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: 63.780 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014609.D

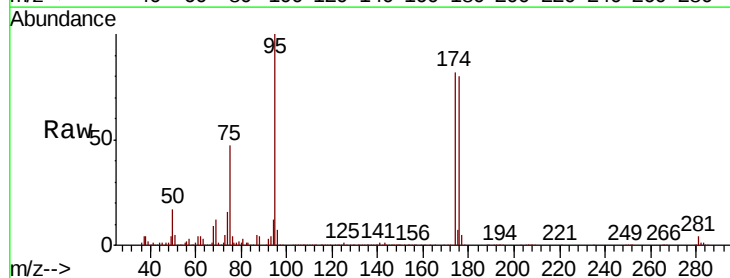
Acq: 10 Jan 2020 19:29

Tgt Ion: 75 Resp: 176396

Ion Ratio Lower Upper

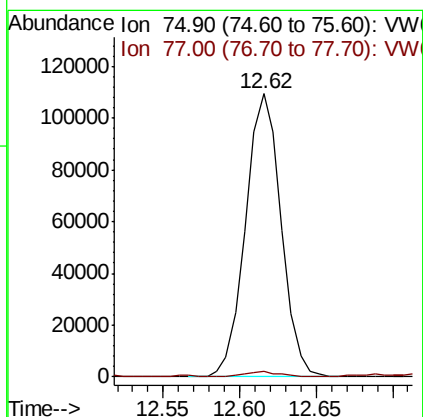
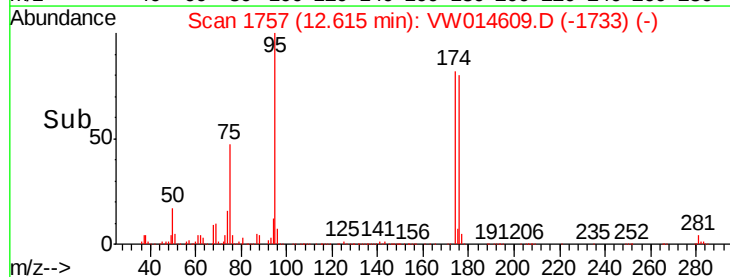
75 100

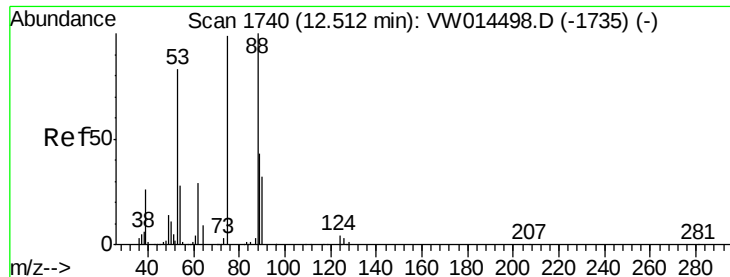
77 1.6 0.0 0.0#



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: 142.105 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

Instrument :

MSVOA_W

ClientSampleId :

CIY1-SB-02-3-4

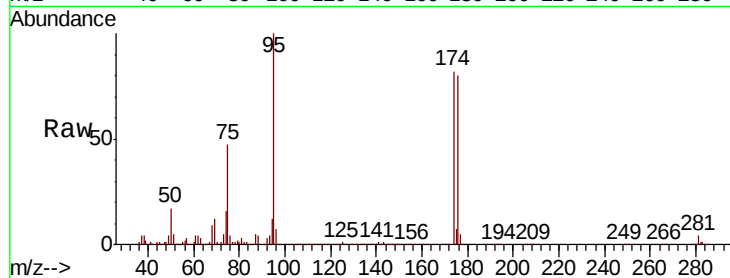
Tot Ion: 75 Resp: 176396

Ion Ratio Lower Upper

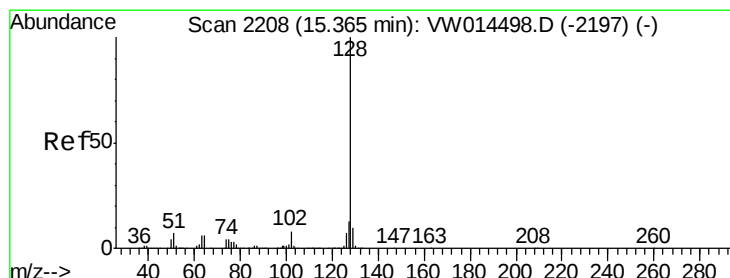
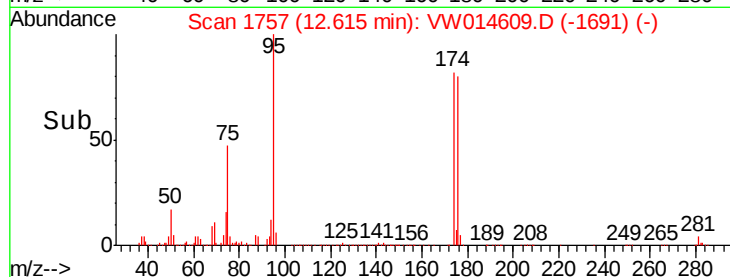
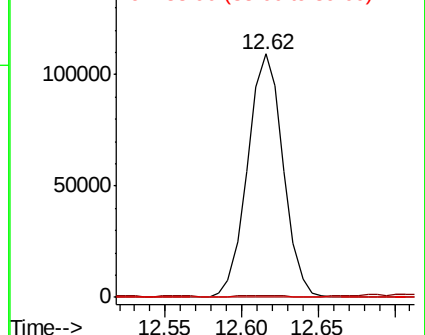
75 100

53 0.6 70.9 106.3#

89 0.1 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 5.112 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014609.D

Acq: 10 Jan 2020 19:29

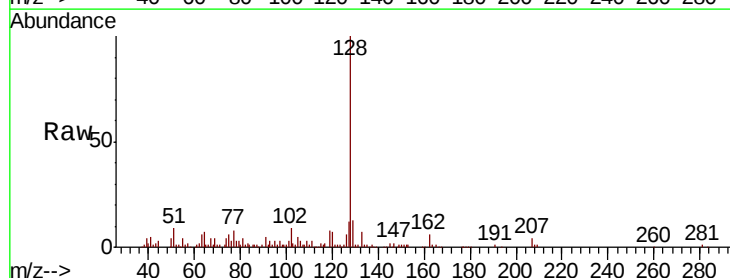
Tgt Ion:128 Resp: 50166

Ion Ratio Lower Upper

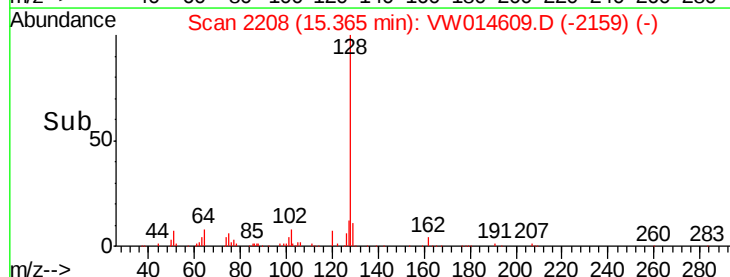
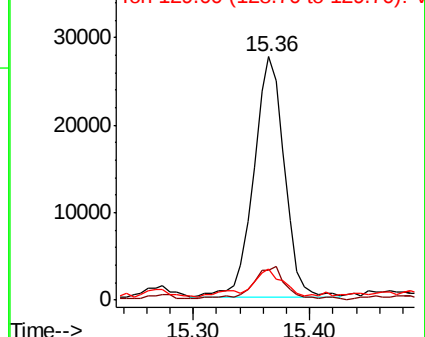
128 100

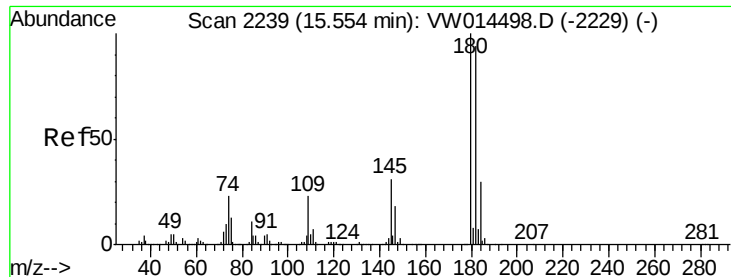
127 13.9 10.6 15.8

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.294 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW014609.D
 Acq: 10 Jan 2020 19:29

Instrument :
 MSVOA_W
 ClientSampleId :
 CIY1-SB-02-3-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.5	47.4	142.2
145	437.1	15.5	46.5#

