

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014527.D
 Acq On : 06 Jan 2020 16:48
 Operator : SY/VA
 Sample : L1011-07RE
 Misc : 5.83G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MC-010220-4-5-GRAB-B7RE

Quant Time: Jan 07 02:42:05 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	647888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1020796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	792640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	287378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	384139	67.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.62%	
35) Dibromofluoromethane	7.88	113	361594	61.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.96%	
50) Toluene-d8	10.32	98	1311331	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.62	95	348933	42.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.50%	

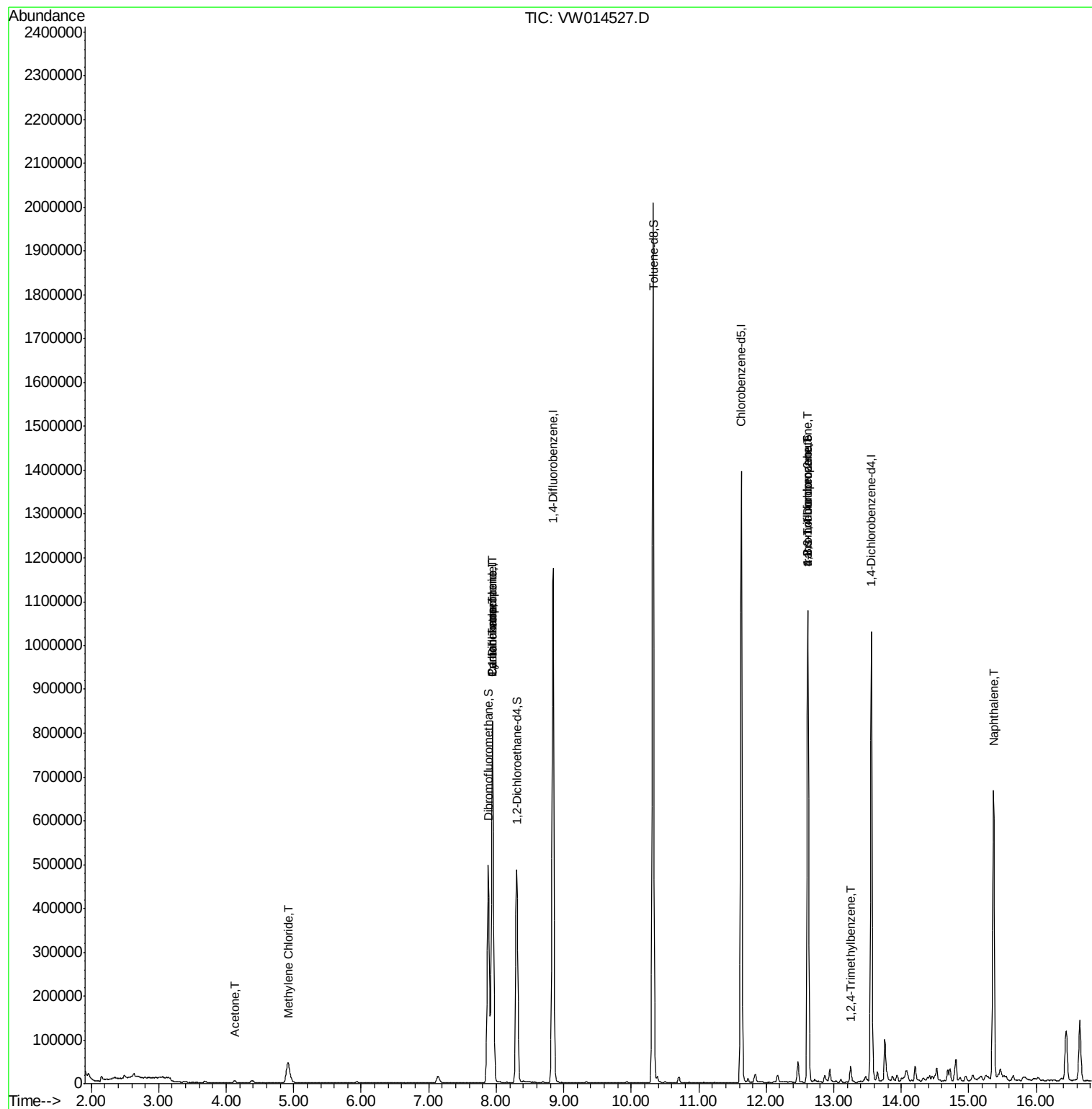
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	407	Below Cal		96
16) Acetone	4.13	43	9490	5.933	ug/l	93
20) Methylene Chloride	4.92	84	43442	2.415	ug/l	97
31) Cyclohexane	7.94	56	12105	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	47738	4.851	ug/l #	49
38) Carbon Tetrachloride	7.95	117	59772	7.001	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	171780	63.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	171780	140.860	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	19303	1.096	ug/l	95
95) Naphthalene	15.36	128	573021	59.441	ug/l	100

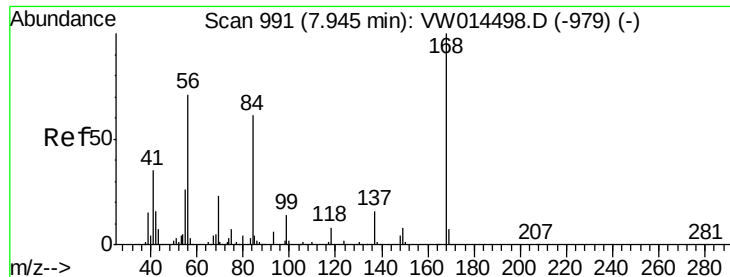
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
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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: VW014527.D

Acq: 06 Jan 2020 16:48

Instrument :

MSVOA_W

ClientSampleId :

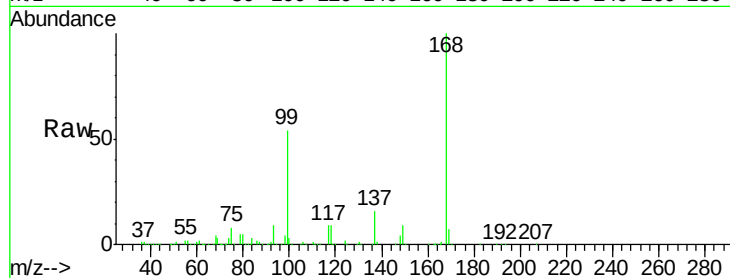
MC-010220-4-5-GRAB-B7RE

Tgt Ion: 168 Resp: 647888

Ion Ratio Lower Upper

168 100

99 54.1 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

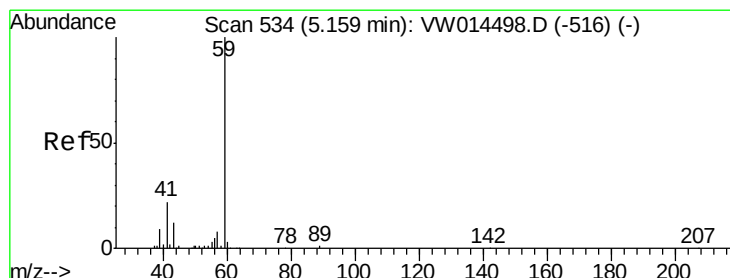
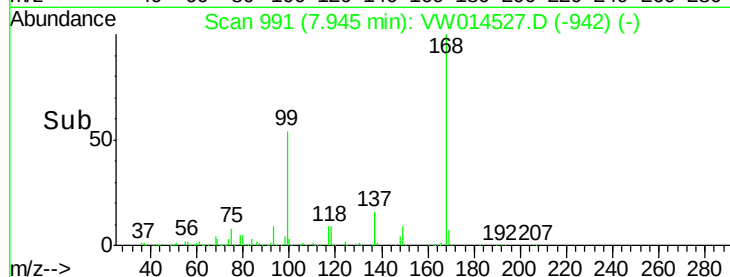
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW014527.D

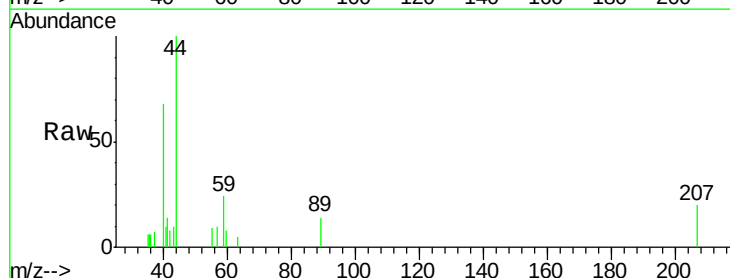
Acq: 06 Jan 2020 16:48

Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

59 100

57 8.4 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

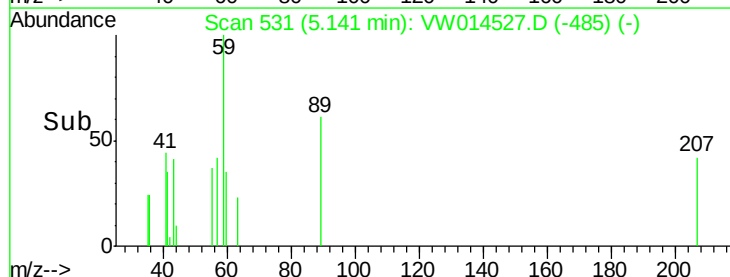
300

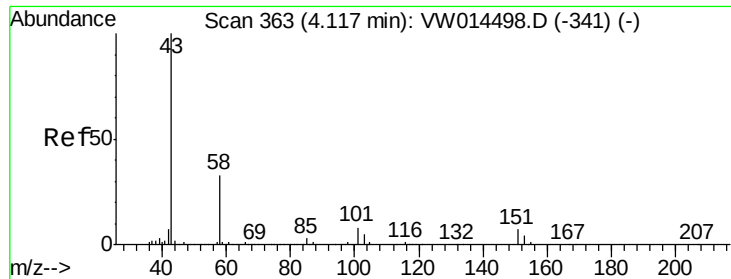
200

100

0

Time-->

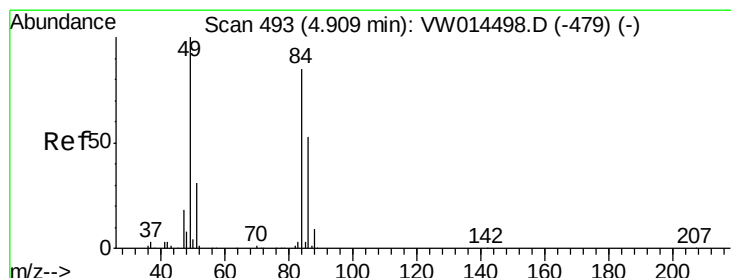
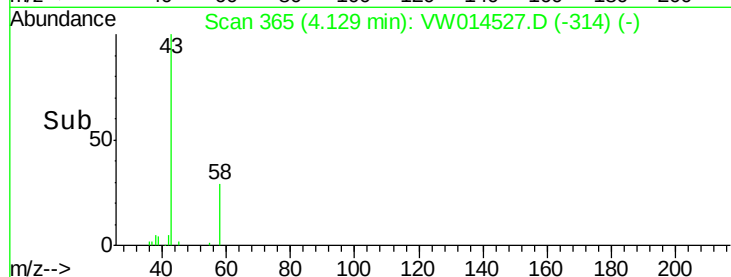
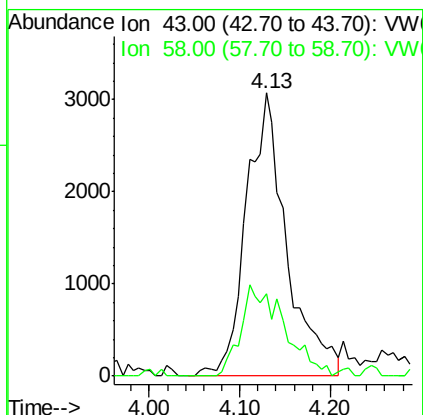
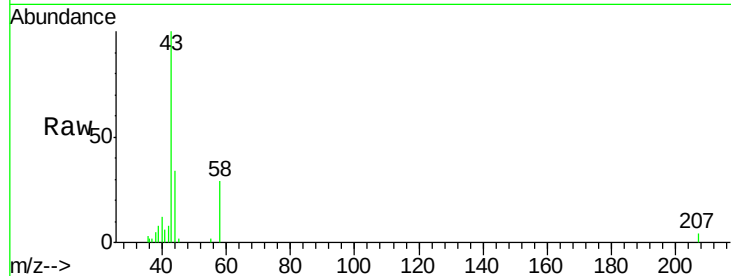




#16
Acetone
Concen: 5.933 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW014527.D
Acq: 06 Jan 2020 16:48

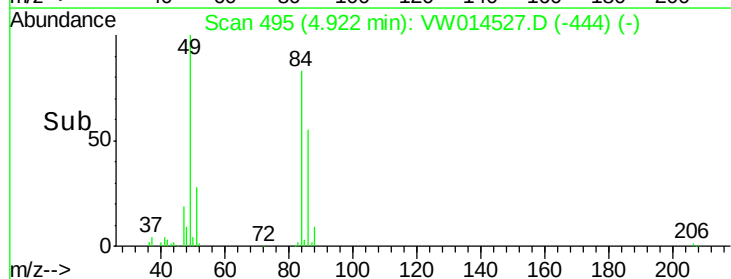
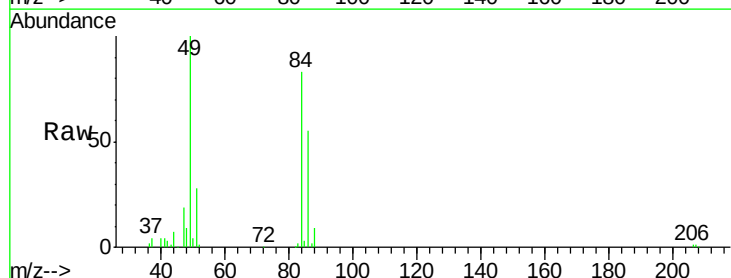
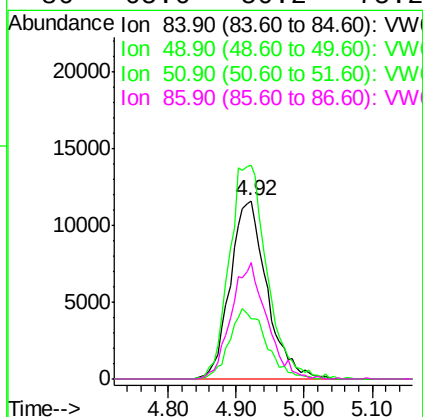
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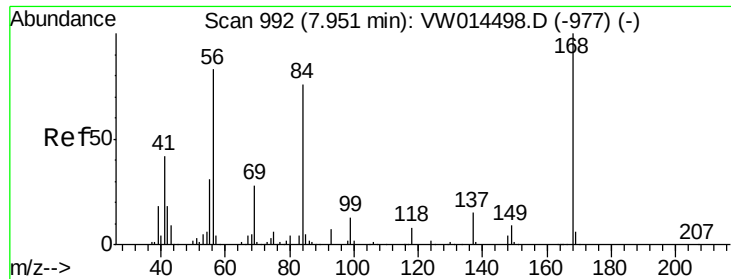
Tgt Ion: 43 Resp: 9490
Ion Ratio Lower Upper
43 100
58 29.1 26.6 39.8



#20
Methylene Chloride
Concen: 2.415 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014527.D
Acq: 06 Jan 2020 16:48

Tgt Ion: 84 Resp: 43442
Ion Ratio Lower Upper
84 100
49 119.9 94.4 141.6
51 33.6 29.5 44.3
86 65.6 50.2 75.2

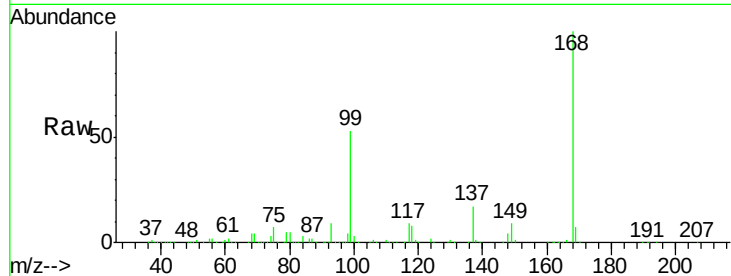




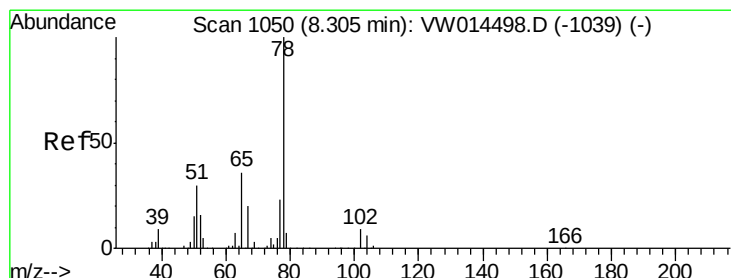
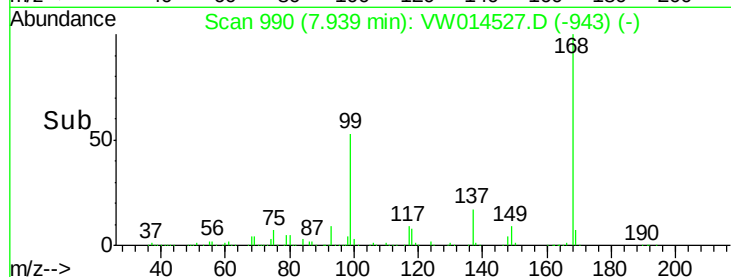
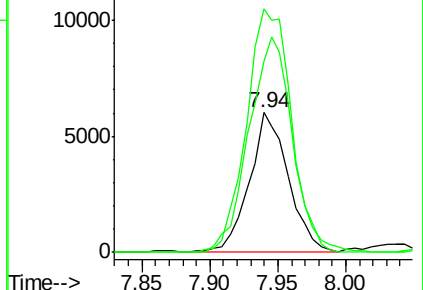
#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014527.D
Acq: 06 Jan 2020 16:48

Instrument :
MSVOA_W
ClientSampleId :
MC-010220-4-5-GRAB-B7RE

Tgt Ion: 56 Resp: 12105
Ion Ratio Lower Upper
56 100
69 174.5 26.8 40.2#
84 137.4 71.8 107.6#

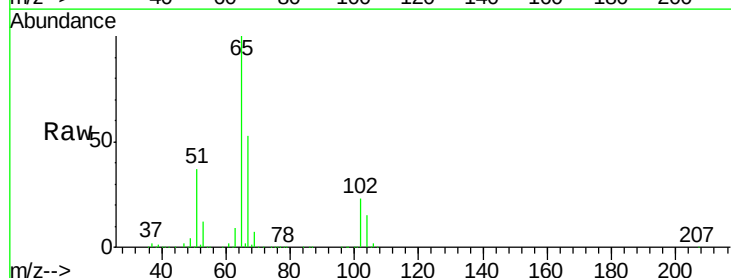


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

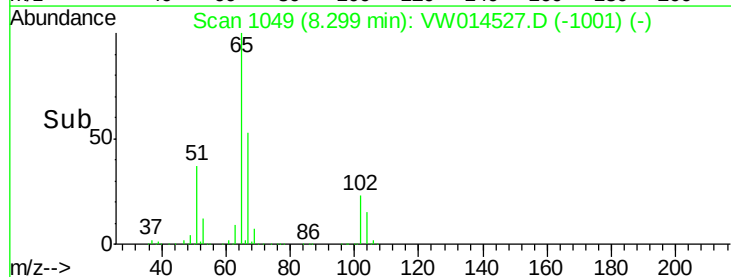
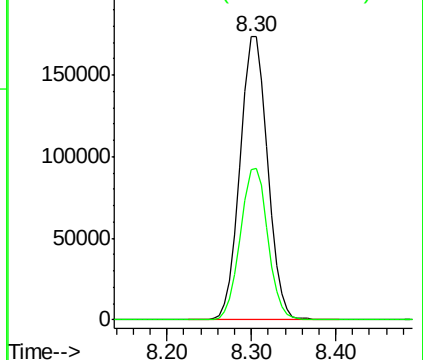


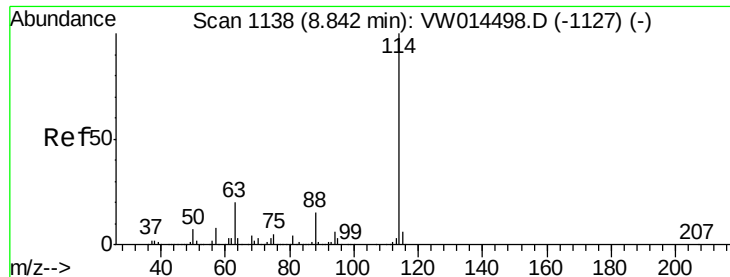
#33
1,2-Dichloroethane-d4
Concen: 67.814 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW014527.D
Acq: 06 Jan 2020 16:48

Tgt Ion: 65 Resp: 384139
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014527.D

Acq: 06 Jan 2020 16:48

Instrument :

MSVOA_W

ClientSampleId :

MC-010220-4-5-GRAB-B7RE

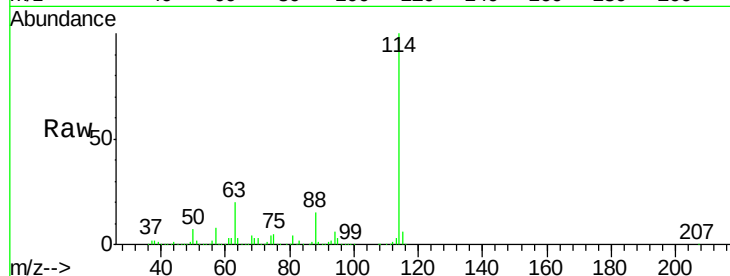
Tgt Ion:114 Resp: 1020796

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

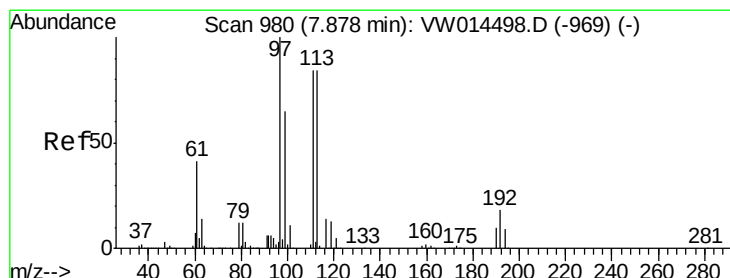
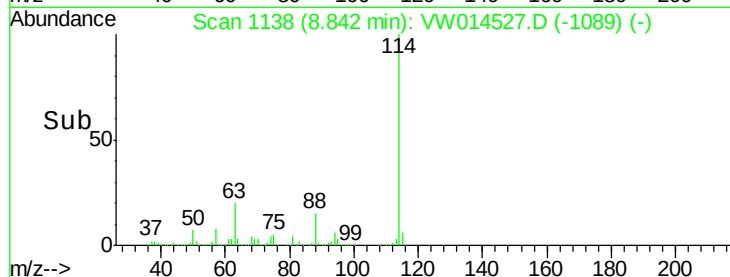
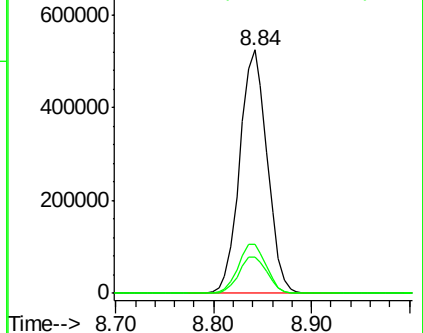
88 15.0 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 61.980 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014527.D

Acq: 06 Jan 2020 16:48

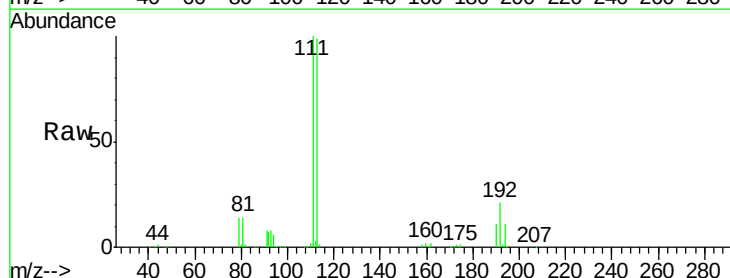
Tgt Ion:113 Resp: 361594

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

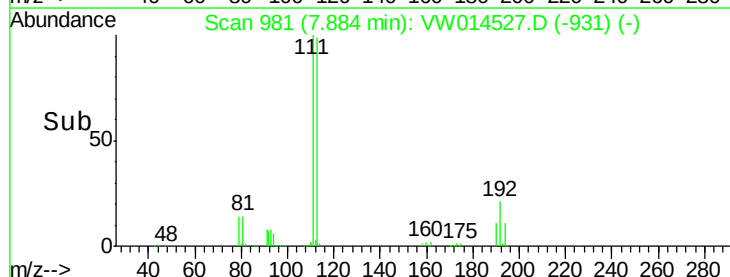
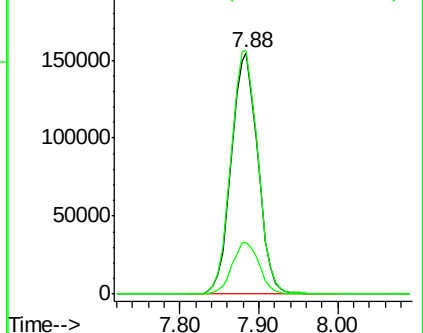
192 21.9 17.8 26.8

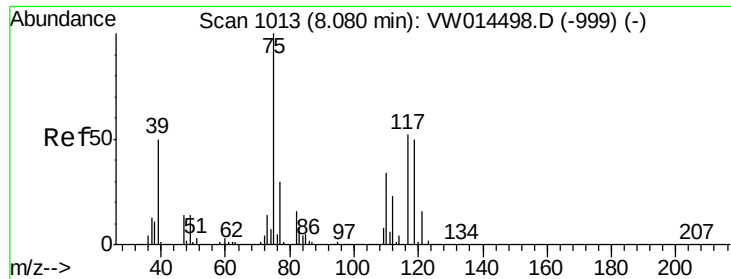


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

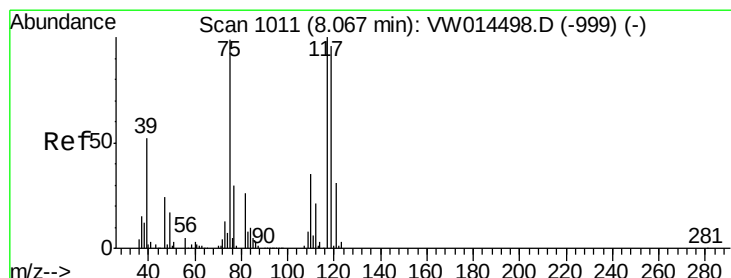
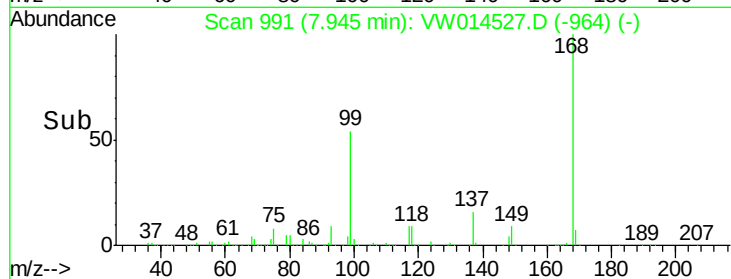
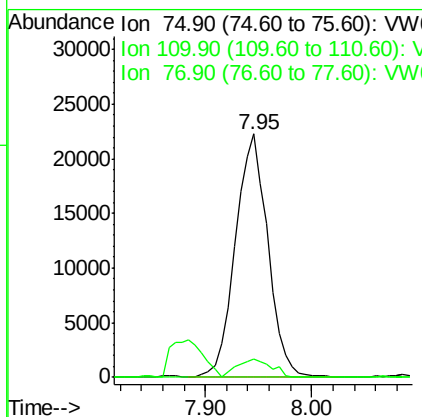
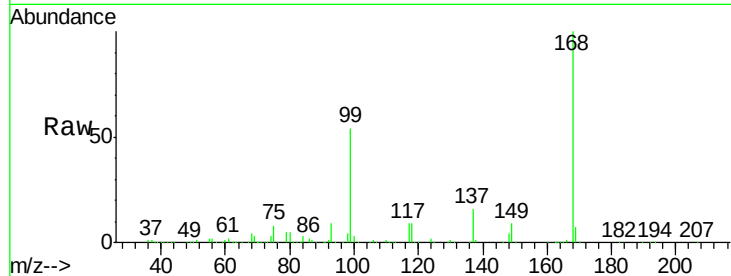




#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014527.D
 Acq: 06 Jan 2020 16:48

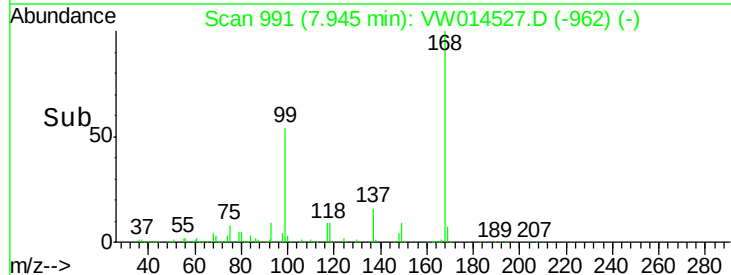
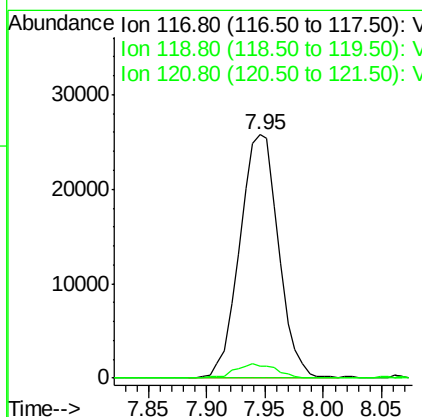
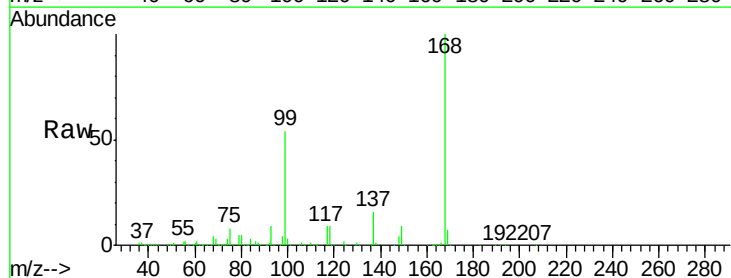
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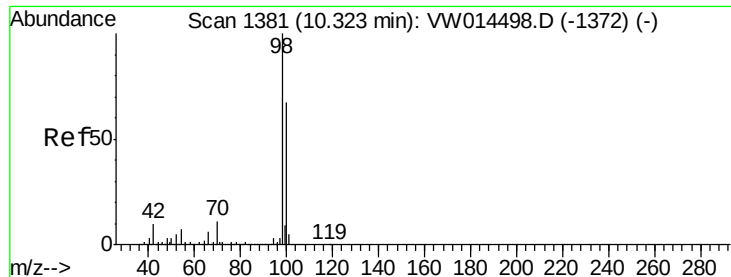
Tgt Ion: 75 Resp: 47738
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.8 53.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 7.001 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014527.D
 Acq: 06 Jan 2020 16:48

Tgt Ion: 117 Resp: 59772
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.0 115.6#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 53.860 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014527.D

Acq: 06 Jan 2020 16:48

Instrument :

MSVOA_W

ClientSampleId :

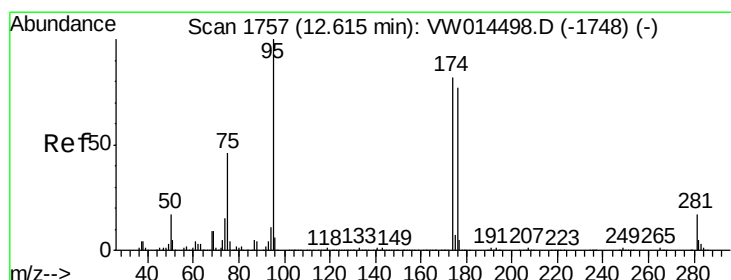
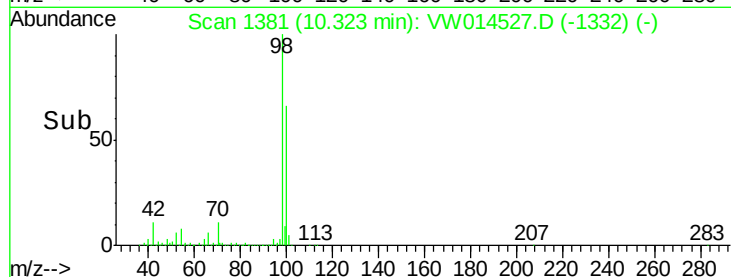
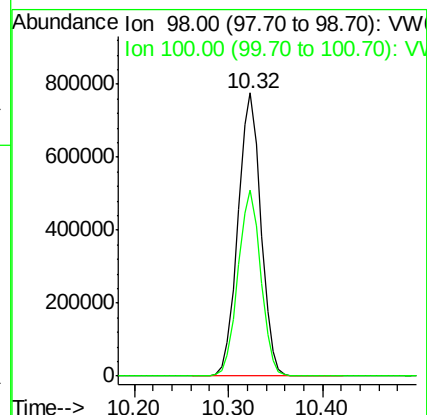
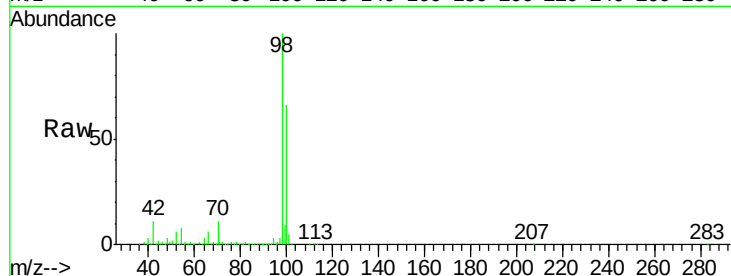
MC-010220-4-5-GRAB-B7RE

Tgt Ion: 98 Resp: 1311331

Ion Ratio Lower Upper

98 100

100 65.5 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 42.253 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014527.D

Acq: 06 Jan 2020 16:48

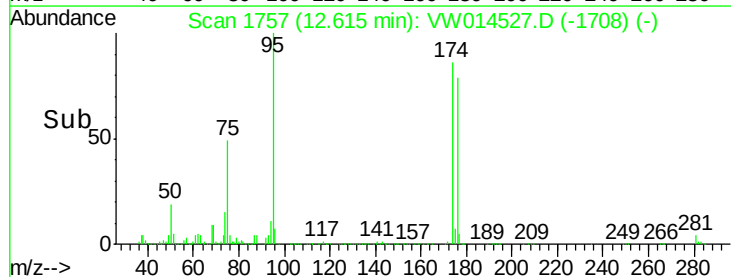
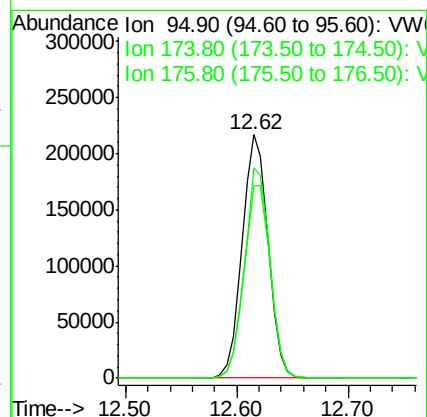
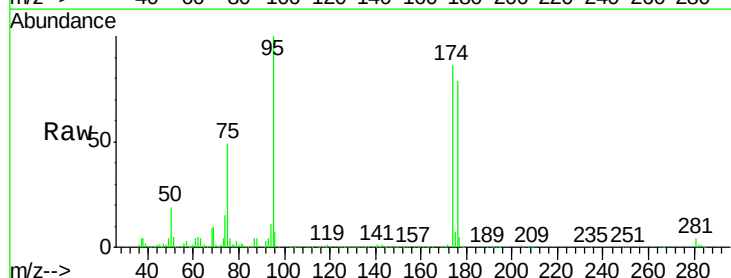
Tgt Ion: 95 Resp: 348933

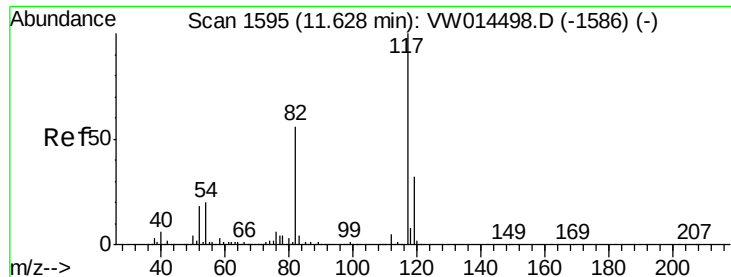
Ion Ratio Lower Upper

95 100

174 85.6 0.0 168.6

176 81.2 0.0 162.0

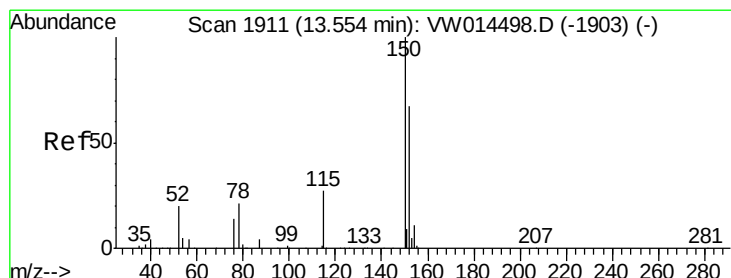
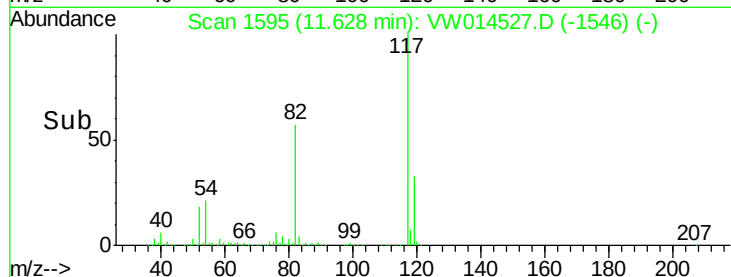
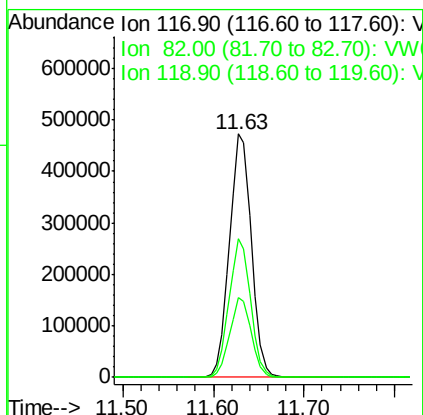
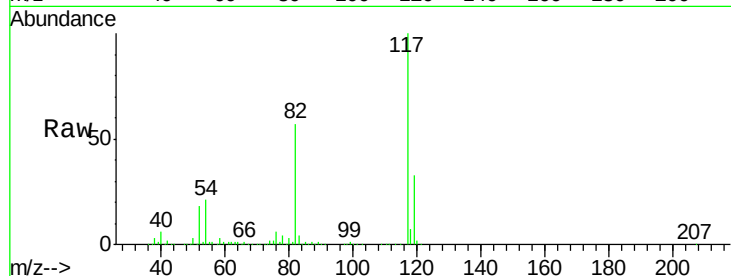




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014527.D
Acq: 06 Jan 2020 16:48

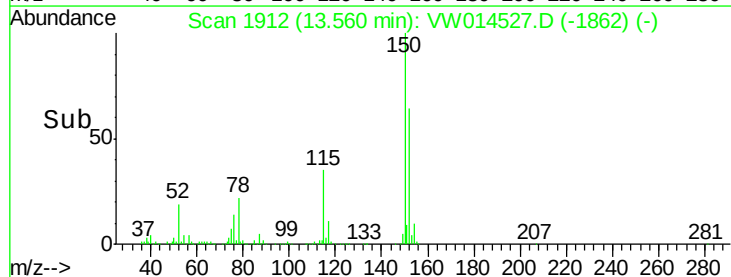
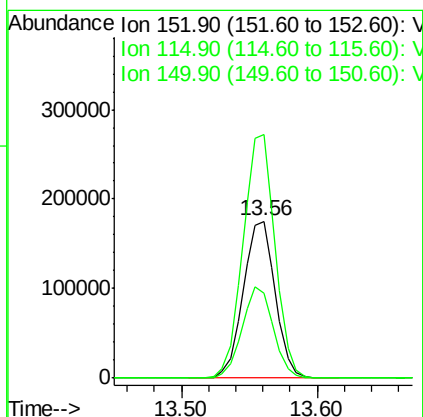
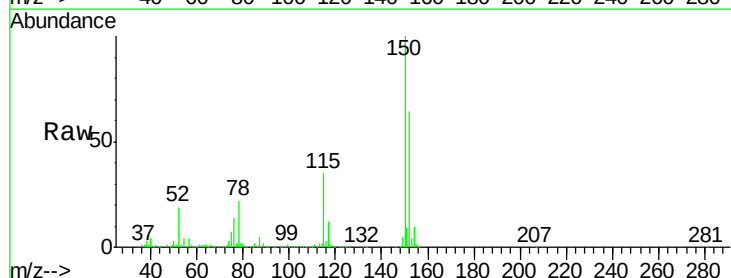
Instrument :
MSVOA_W
ClientSampleId :
MC-010220-4-5-GRAB-B7RE

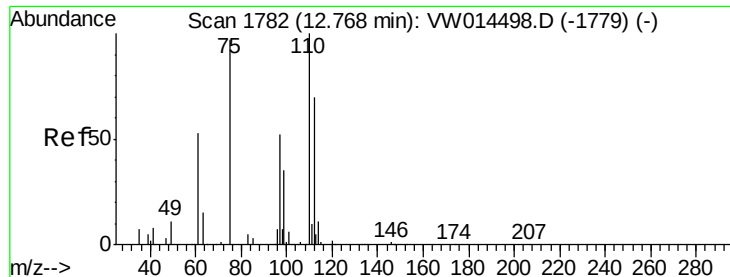
Tgt Ion:117 Resp: 792640
Ion Ratio Lower Upper
117 100
82 57.2 44.6 67.0
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014527.D
Acq: 06 Jan 2020 16:48

Tgt Ion:152 Resp: 287378
Ion Ratio Lower Upper
152 100
115 56.5 27.7 83.1
150 155.7 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 63.221 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014527.D

Acq: 06 Jan 2020 16:48

Instrument :

MSVOA_W

ClientSampleId :

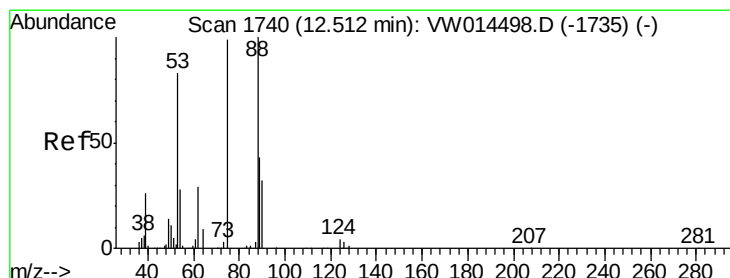
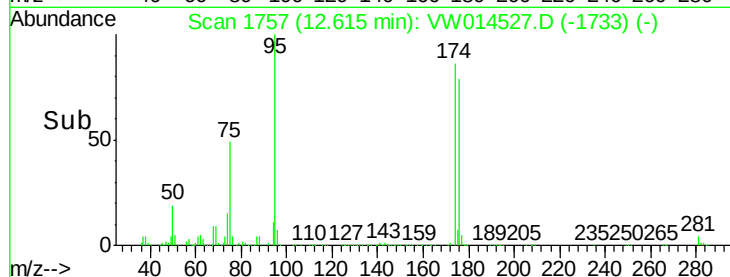
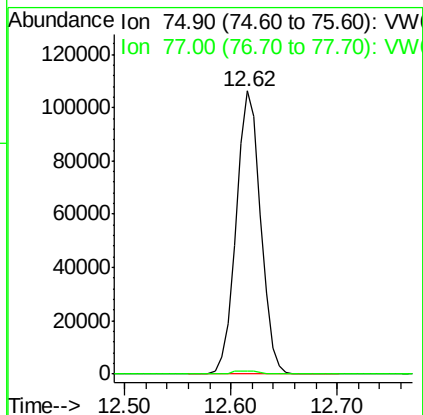
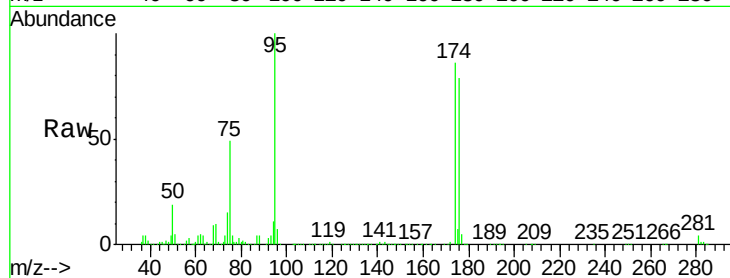
MC-010220-4-5-GRAB-B7RE

Tgt Ion: 75 Resp: 171780

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.860 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014527.D

Acq: 06 Jan 2020 16:48

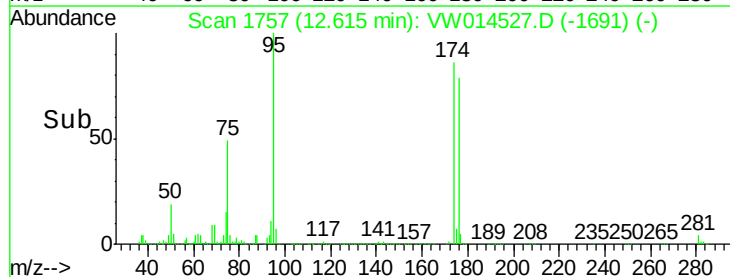
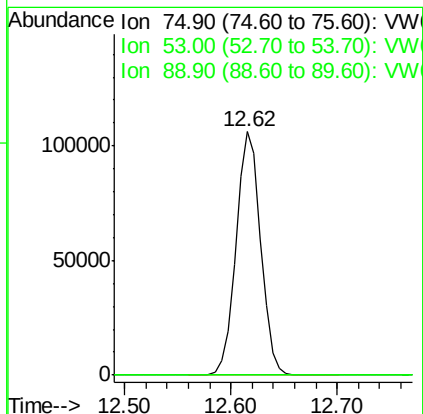
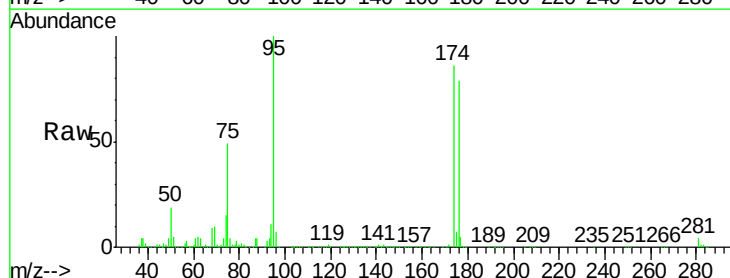
Tgt Ion: 75 Resp: 171780

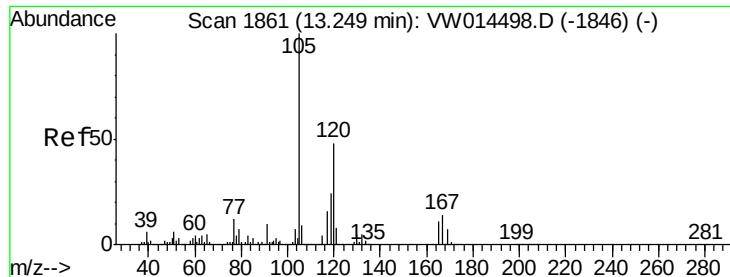
Ion Ratio Lower Upper

75 100

53 0.2 70.9 106.3#

89 0.0 35.8 53.8#

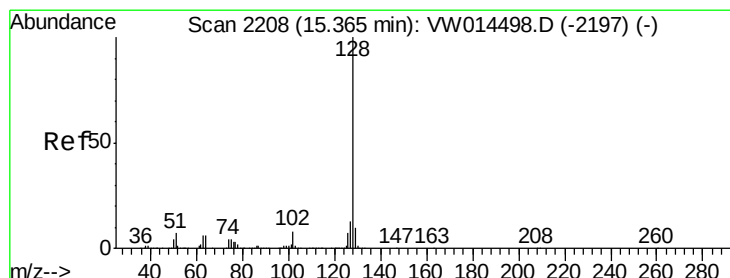
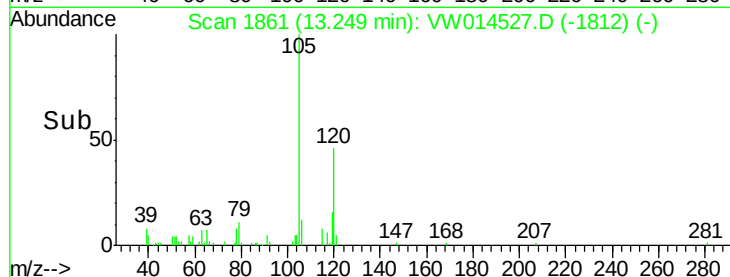
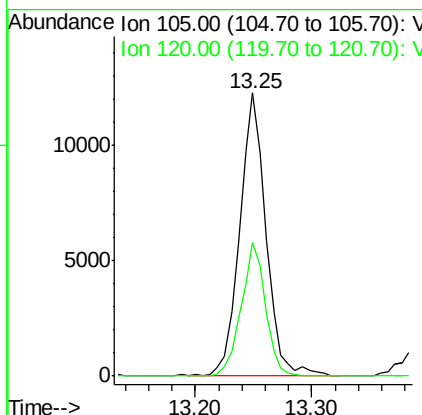
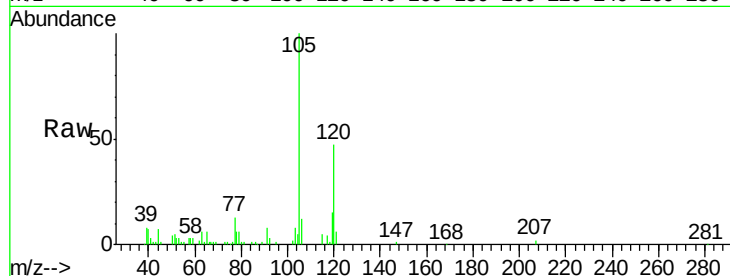




#84
 1,2,4-Trimethylbenzene
 Concen: 1.096 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014527.D
 Acq: 06 Jan 2020 16:48

Instrument :
 MSVOA_W
 ClientSampleId :
 MC-010220-4-5-GRAB-B7RE

Tgt Ion:105 Resp: 19303
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.4 70.0



#95
 Naphthalene
 Concen: 59.441 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014527.D
 Acq: 06 Jan 2020 16:48

Tgt Ion:128 Resp: 573021
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.6 15.8
 129 10.8 8.7 13.1

