

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012661.D
 Acq On : 06 Sep 2019 00:56
 Operator : SY/VA
 Sample : K4579-02
 Misc : 4.54G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A1-(0)

Quant Time: Sep 06 07:57:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133865	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	153885	54.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.36%	
35) Dibromofluoromethane	7.88	113	116997	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
50) Toluene-d8	10.32	98	514782	54.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.38%	
62) 4-Bromofluorobenzene	12.62	95	160658	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.94%	

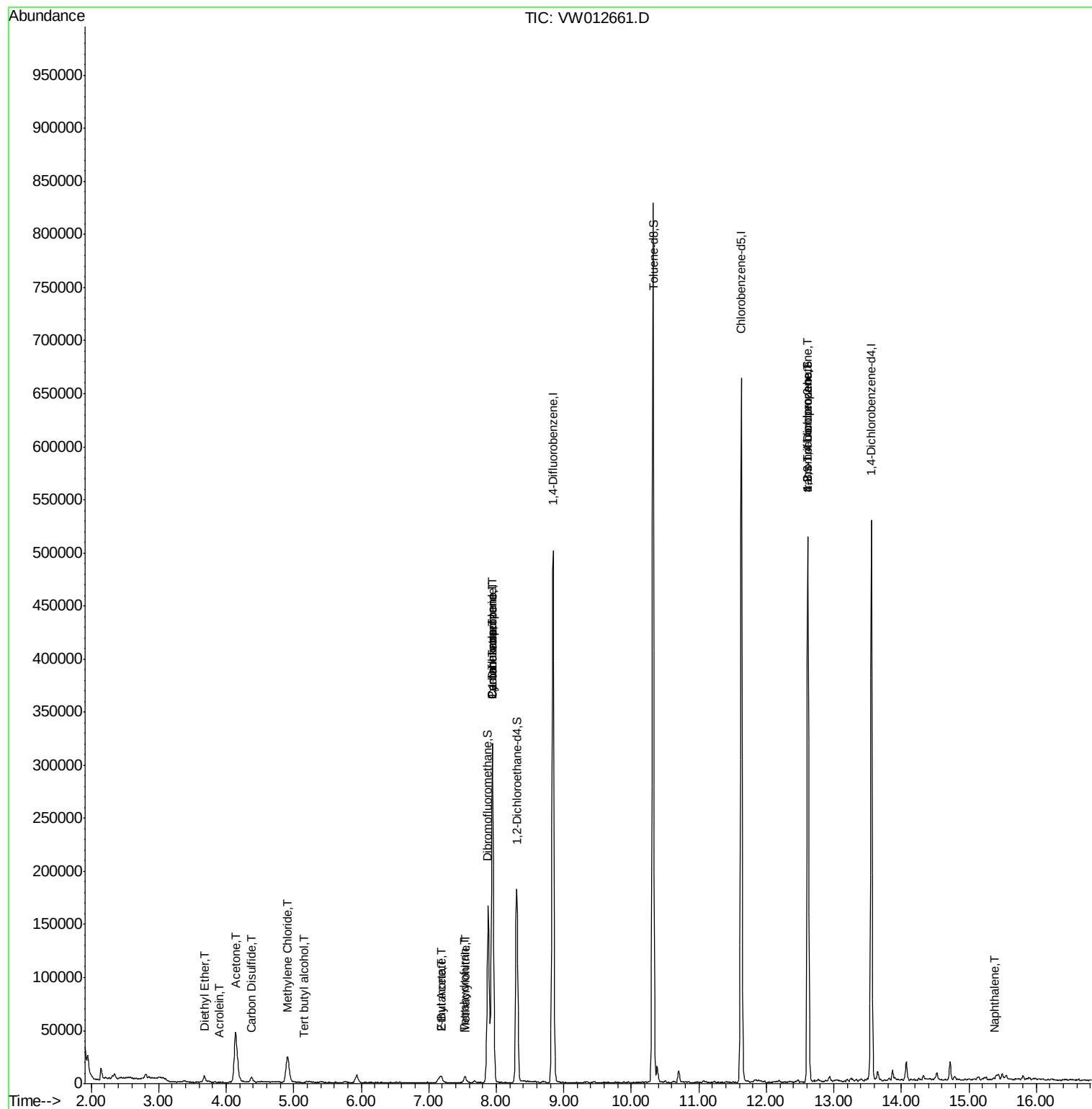
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2871	2.159	ug/l	95
11) Tert butyl alcohol	5.15	59	243	1.422	ug/l #	71
13) Acrolein	3.90	56	236	1.467	ug/l #	45
16) Acetone	4.14	43	104591	144.069	ug/l	100
17) Carbon Disulfide	4.37	76	9860	1.361	ug/l #	94
20) Methylene Chloride	4.90	84	18375	6.695	ug/l	93
25) 2-Butanone	7.18	43	10713	10.859	ug/l	95
29) Tetrahydrofuran	7.53	42	5407	9.135	ug/l #	71
31) Cyclohexane	7.94	56	5916	1.156	ug/l #	7
36) 1,1-Dichloropropene	7.94	75	19421	4.788	ug/l #	53
37) Ethyl Acetate	7.18	43	10713	4.820	ug/l #	73
38) Carbon Tetrachloride	7.94	117	24036	6.846	ug/l #	17
41) Methacrylonitrile	7.54	41	3341	2.557	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	87948	67.458	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87948	147.904	ug/l #	6
95) Naphthalene	15.38	128	1470	4.587	ug/l #	85

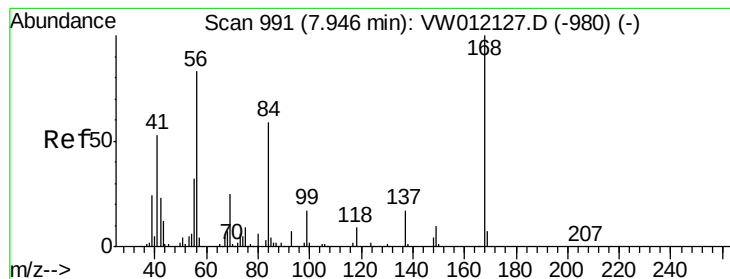
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
Data File : VW012661.D
Acq On : 06 Sep 2019 00:56
Operator : SY/VA
Sample : K4579-02
Misc : 4.54G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(0)

Quant Time: Sep 06 07:57:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012661.D

Acq: 06 Sep 2019 00:56

Instrument :

MSVOA_W

ClientSampleId :

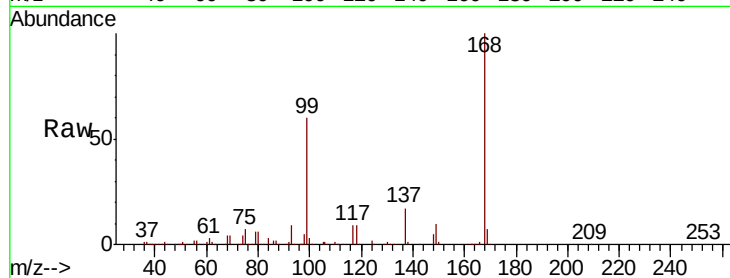
PAR-12-A1-(0)

Tgt Ion:168 Resp: 238910

Ion Ratio Lower Upper

168 100

99 59.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

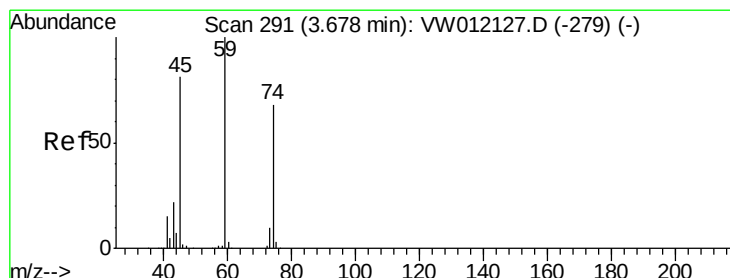
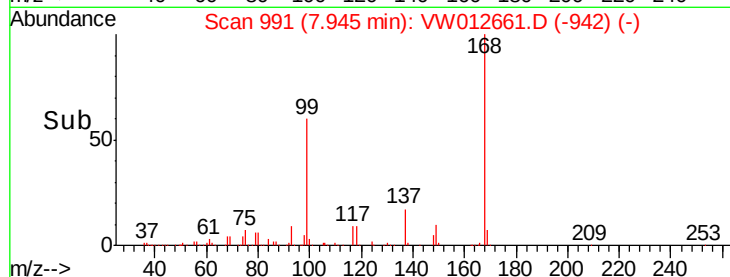
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.159 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012661.D

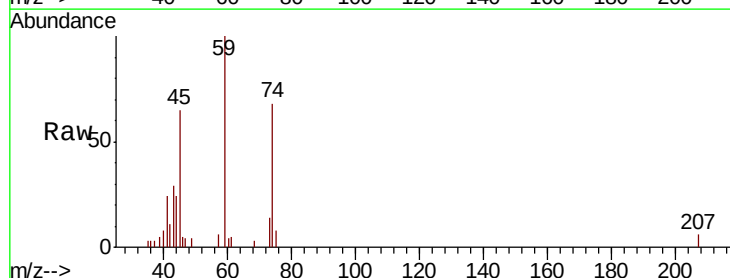
Acq: 06 Sep 2019 00:56

Tgt Ion: 74 Resp: 2871

Ion Ratio Lower Upper

74 100

45 123.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

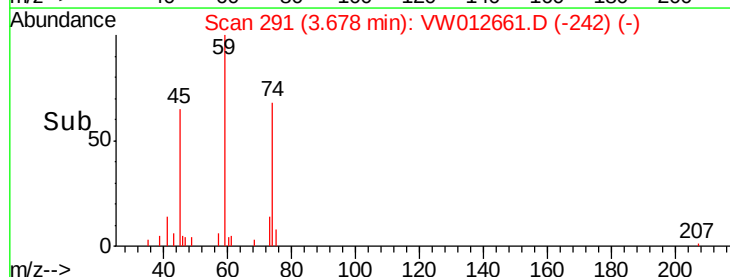
1500

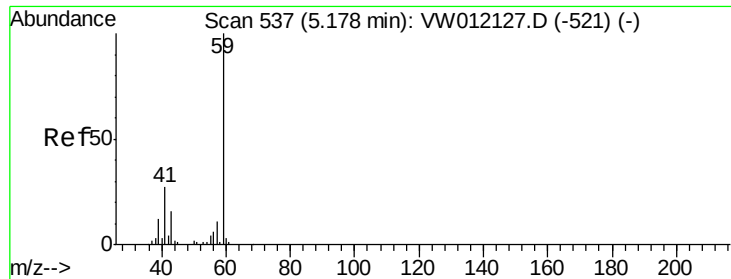
1000

500

0

Time-->

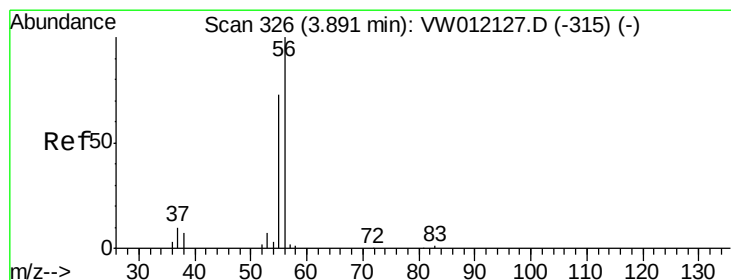
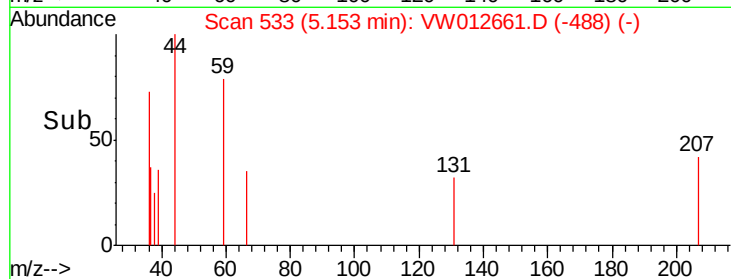
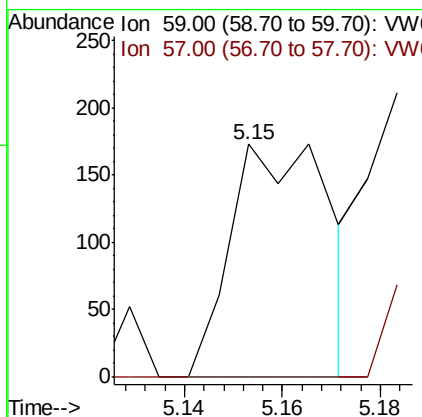
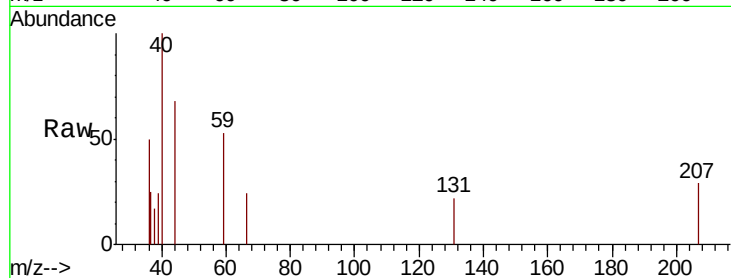




#11
Tert butyl alcohol
Concen: 1.422 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

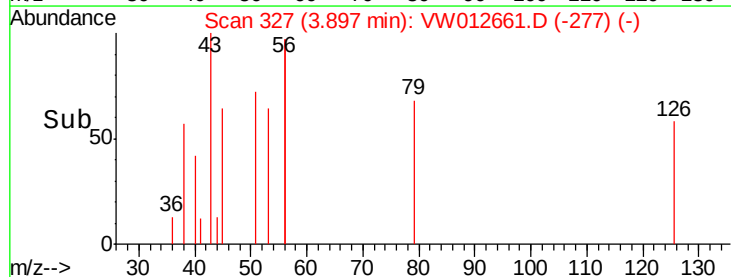
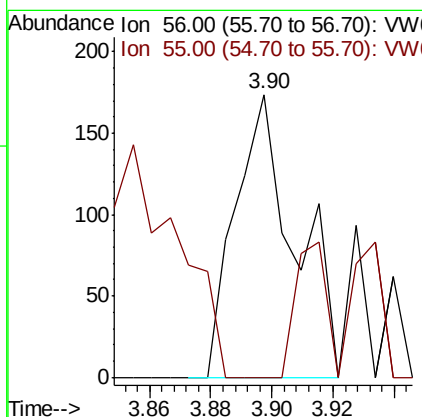
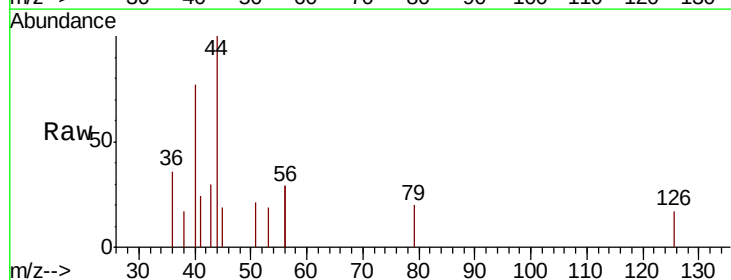
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(0)

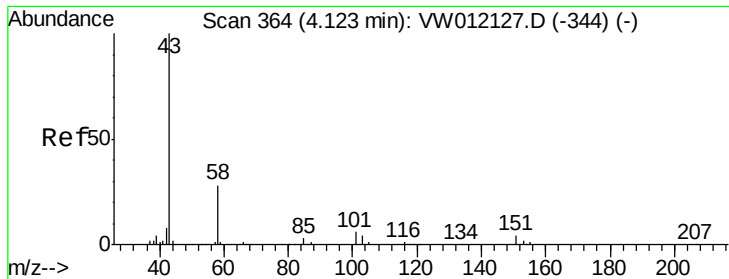
Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 1.467 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 24.6 55.8 83.8#





#16

Acetone

Concen: 144.069 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012661.D

Acq: 06 Sep 2019 00:56

Instrument :

MSVOA_W

ClientSampleId :

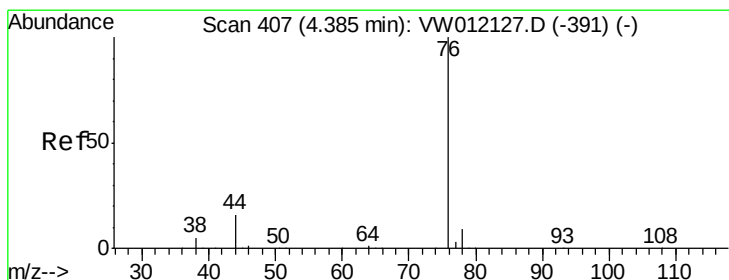
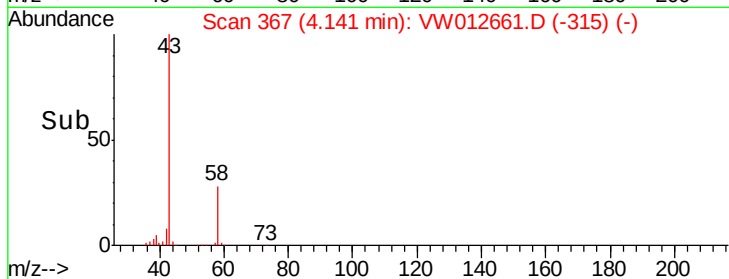
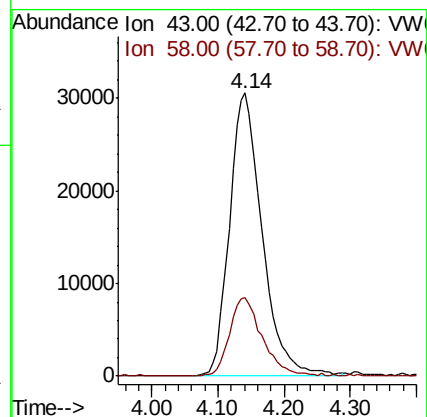
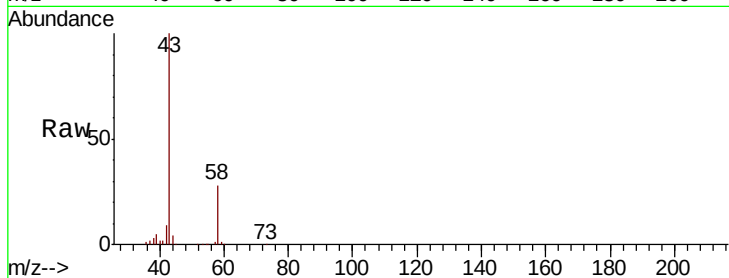
PAR-12-A1-(0)

Tgt Ion: 43 Resp: 104591

Ion Ratio Lower Upper

43 100

58 27.9 22.4 33.6



#17

Carbon Disulfide

Concen: 1.361 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012661.D

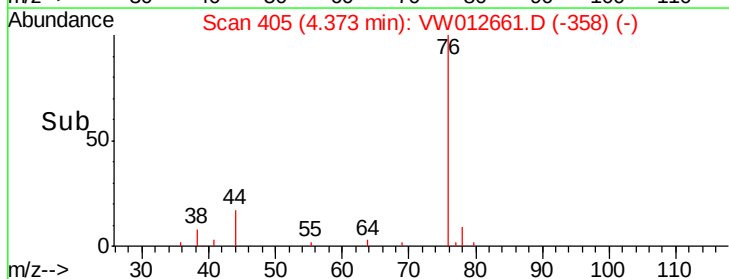
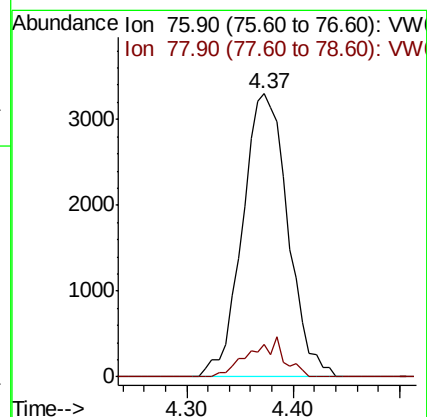
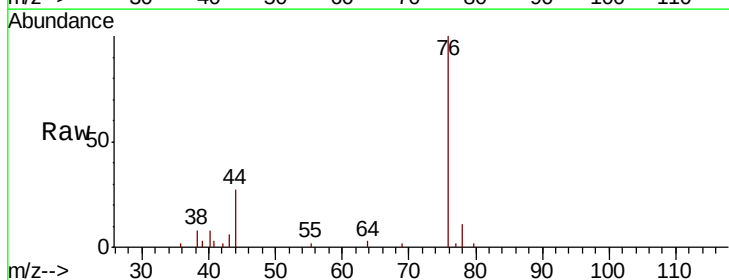
Acq: 06 Sep 2019 00:56

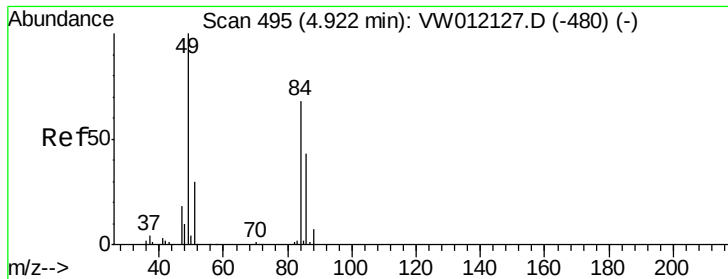
Tgt Ion: 76 Resp: 9860

Ion Ratio Lower Upper

76 100

78 11.3 7.3 10.9#

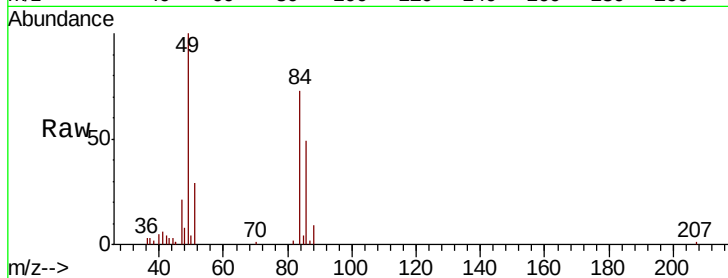




#20
Methylene Chloride
Concen: 6.695 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(0)

Tgt Ion:	84	Resp:	18375
Ion	Ratio	Lower	Upper
84	100		
49	137.4	117.8	176.8
51	40.2	35.6	53.4
86	67.7	51.2	76.8



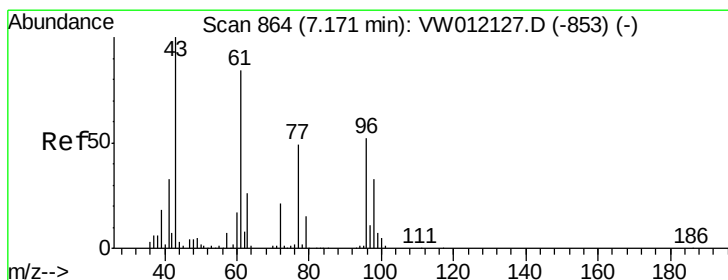
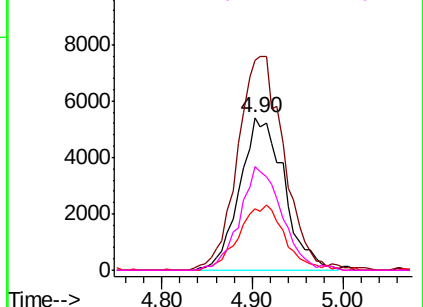
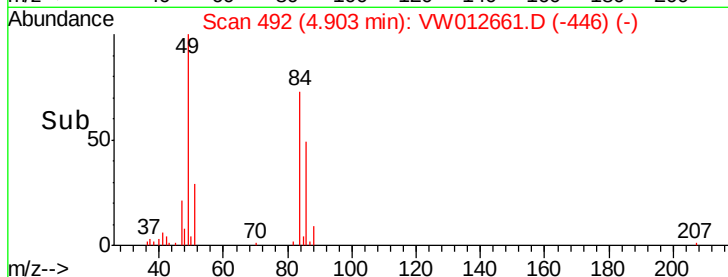
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

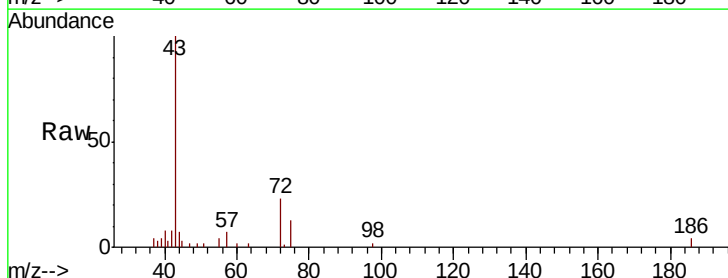
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 10.859 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

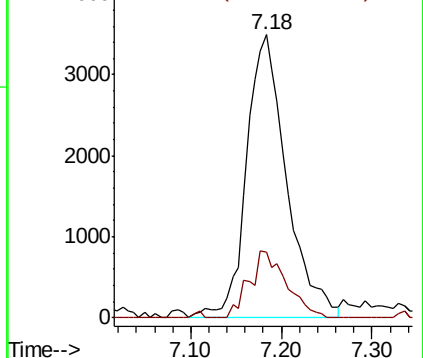
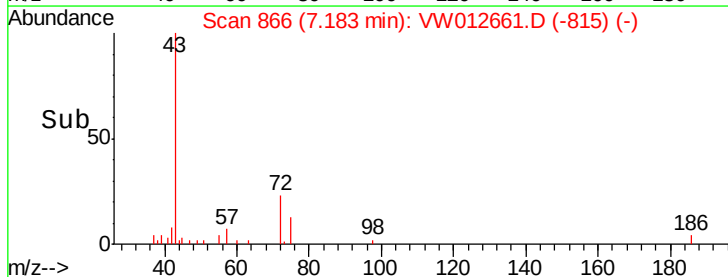
Tgt Ion:	43	Resp:	10713
Ion	Ratio	Lower	Upper
43	100		
72	23.2	16.6	24.8

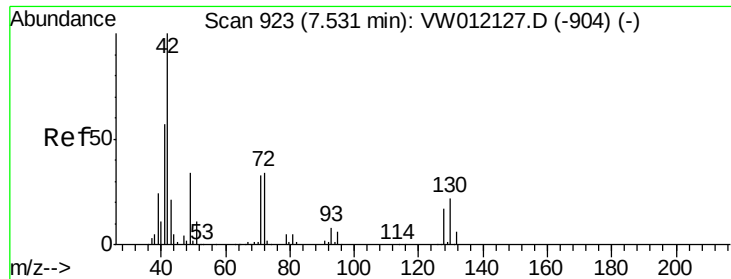


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

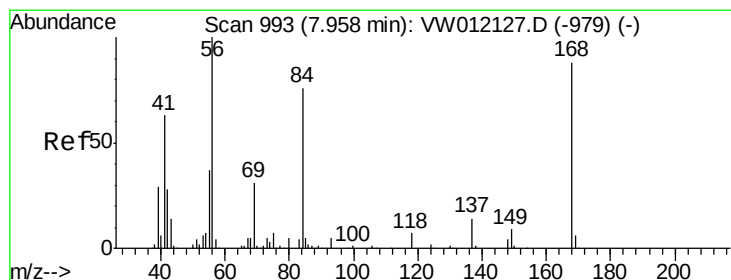
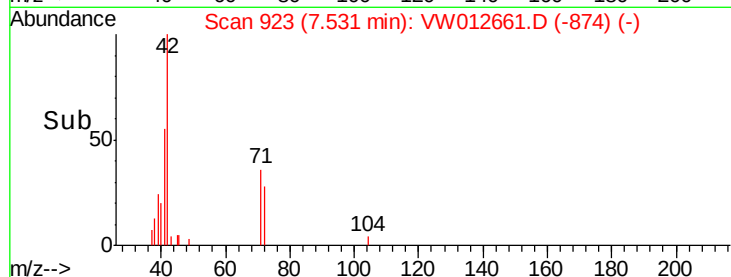
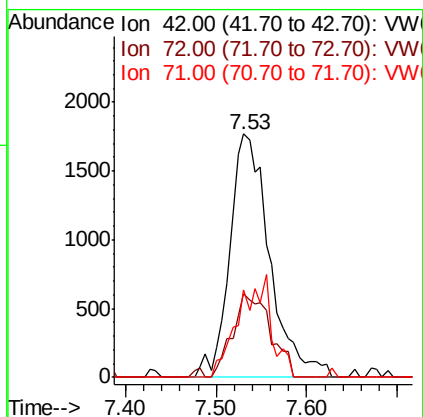
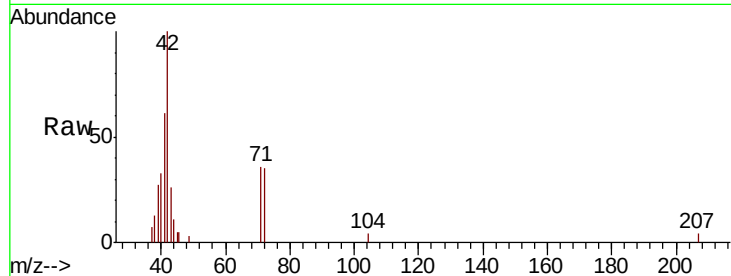




#29
Tetrahydrofuran
Concen: 9.135 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

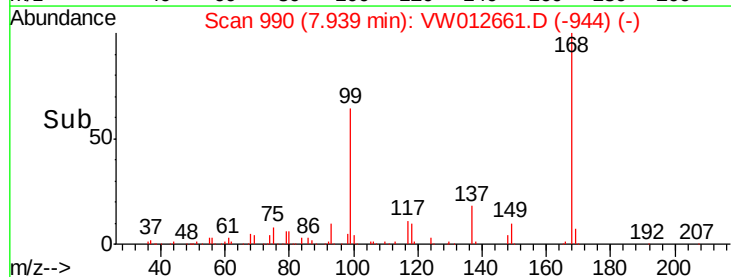
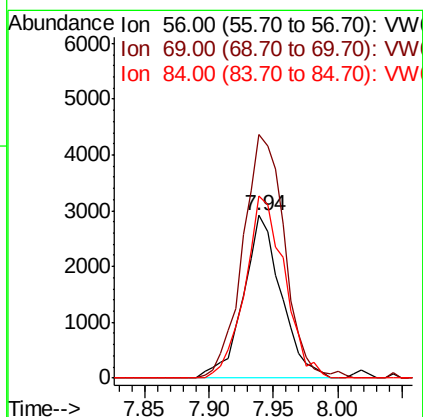
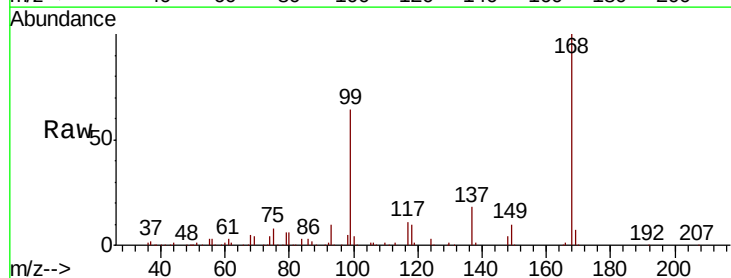
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(0)

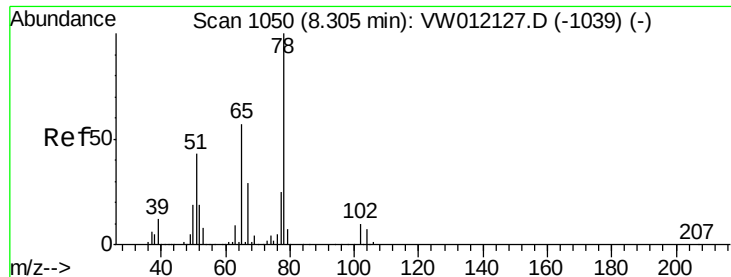
Tgt Ion: 42 Resp: 5407
Ion Ratio Lower Upper
42 100
72 32.8 27.3 40.9
71 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

Tgt Ion: 56 Resp: 5916
Ion Ratio Lower Upper
56 100
69 149.6 24.9 37.3#
84 112.2 60.6 90.8#

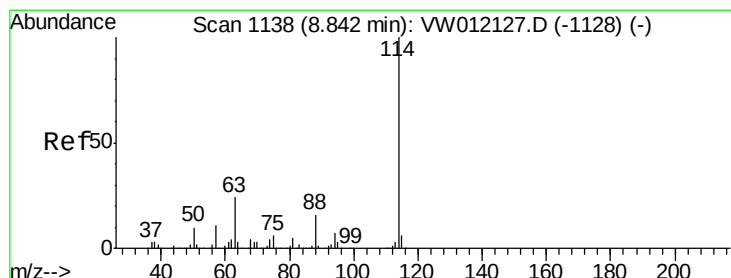
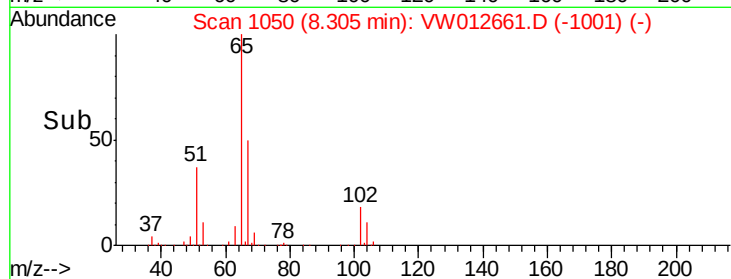
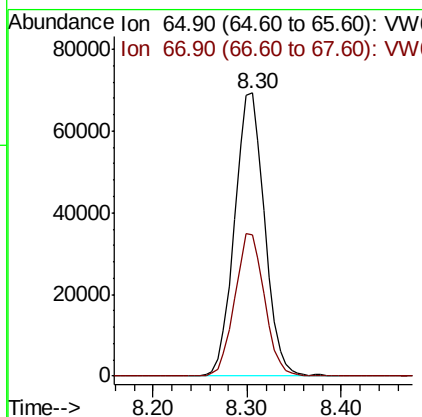
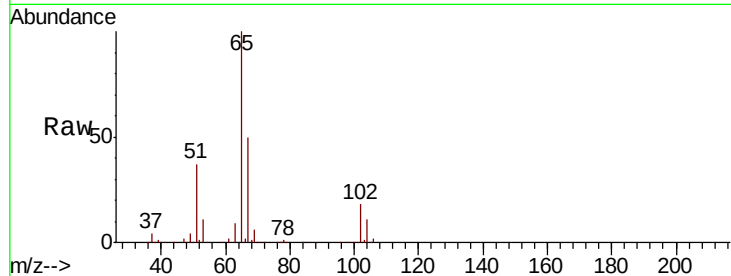




#33
 1,2-Dichloroethane-d4
 Concen: 54.184 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012661.D
 Acq: 06 Sep 2019 00:56

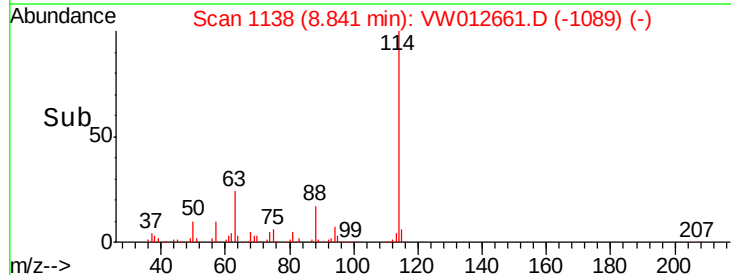
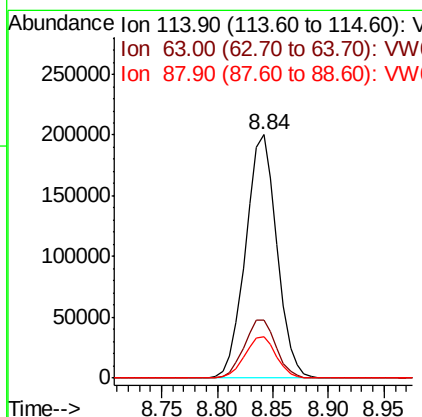
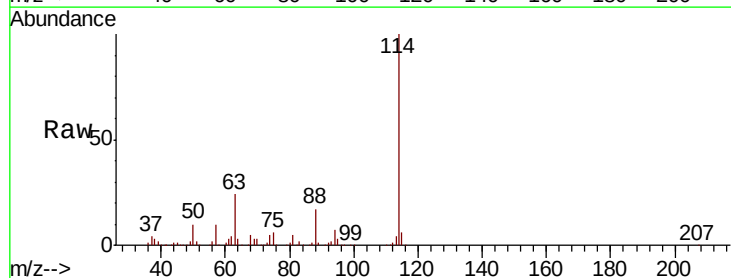
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A1-(0)

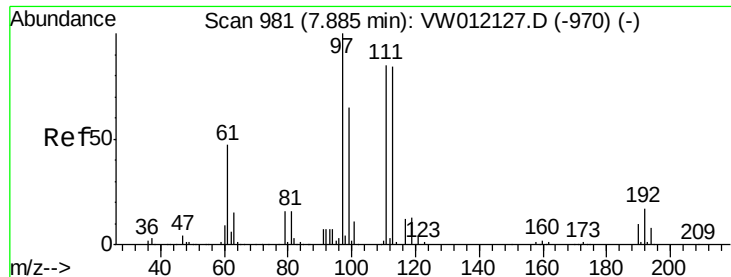
Tgt Ion: 65 Resp: 153885
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012661.D
 Acq: 06 Sep 2019 00:56

Tgt Ion: 114 Resp: 392534
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 17.0 0.0 32.2

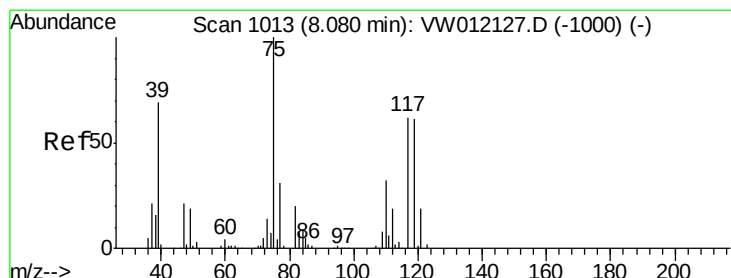
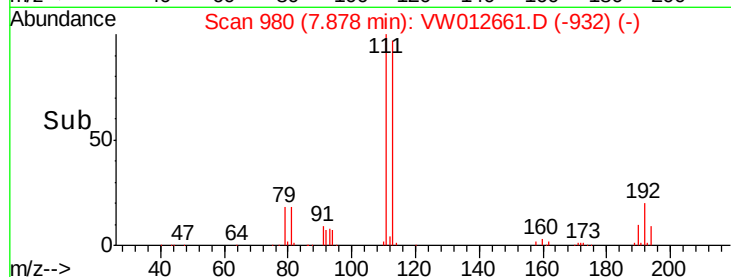
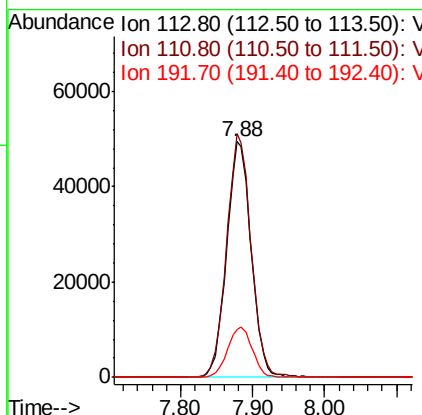
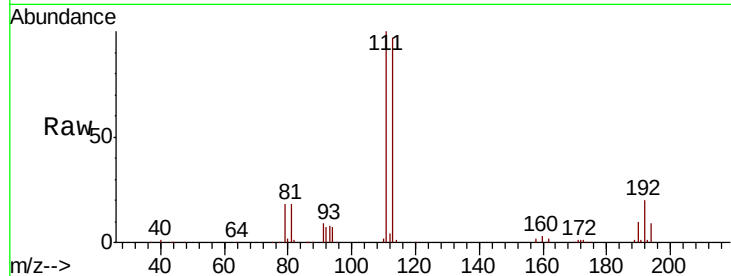




#35
 Dibromofluoromethane
 Concen: 49.934 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012661.D
 Acq: 06 Sep 2019 00:56

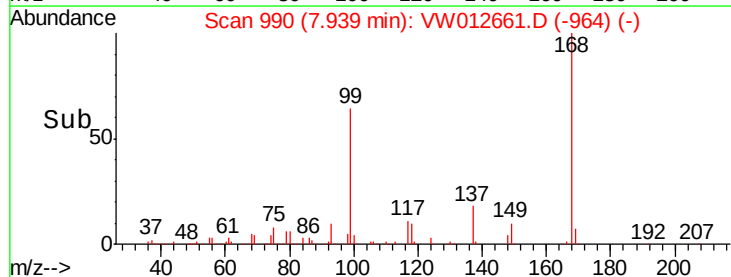
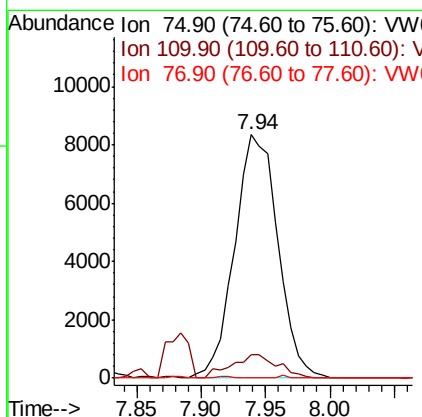
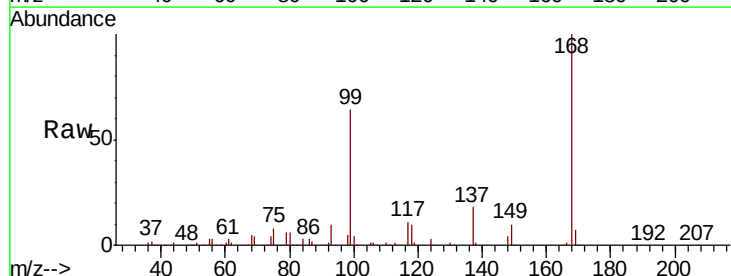
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A1-(0)

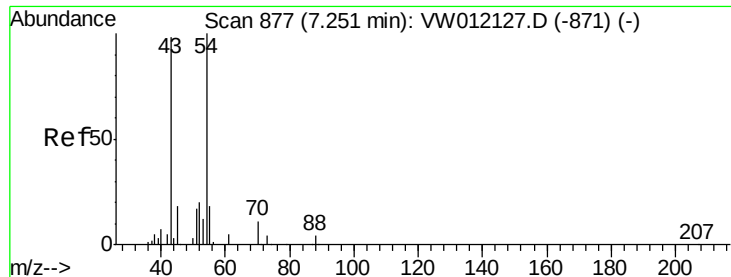
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	21.4	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012661.D
 Acq: 06 Sep 2019 00:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	15.6	46.8#
77	0.0	24.6	36.8#

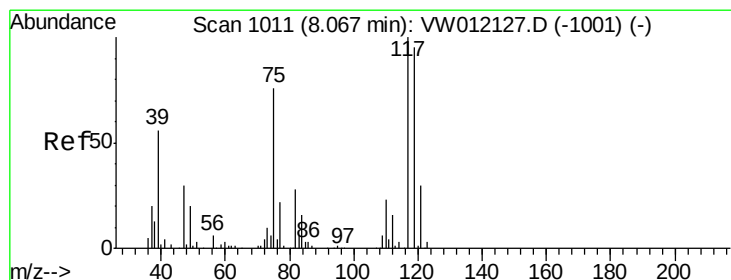
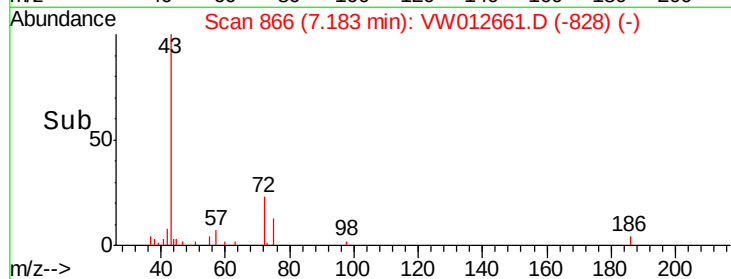
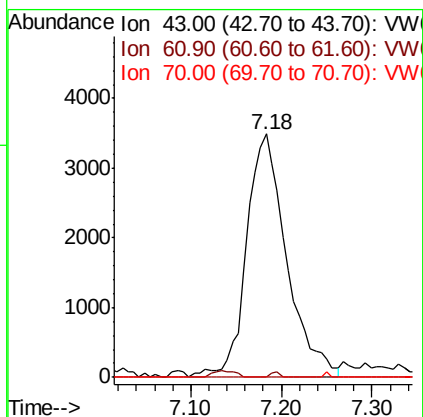
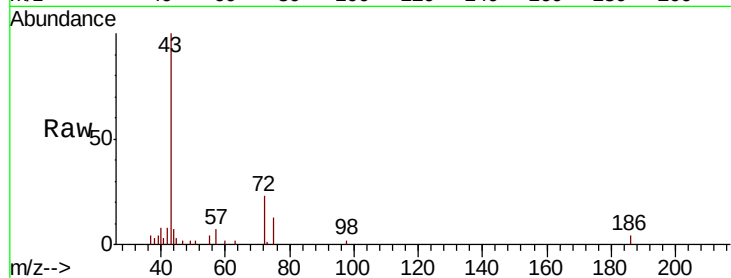




#37
 Ethyl Acetate
 Concen: 4.820 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW012661.D
 Acq: 06 Sep 2019 00:56

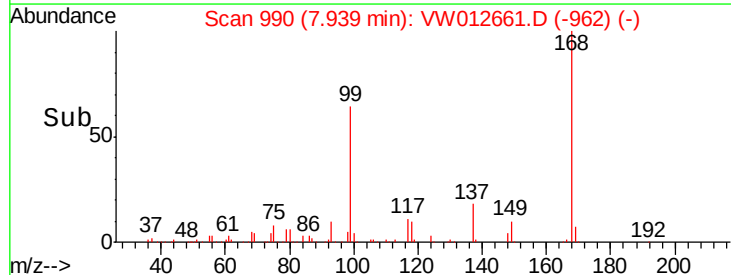
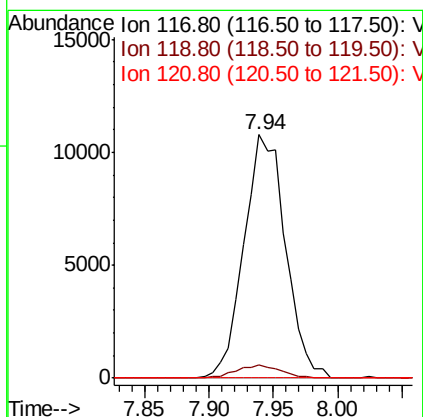
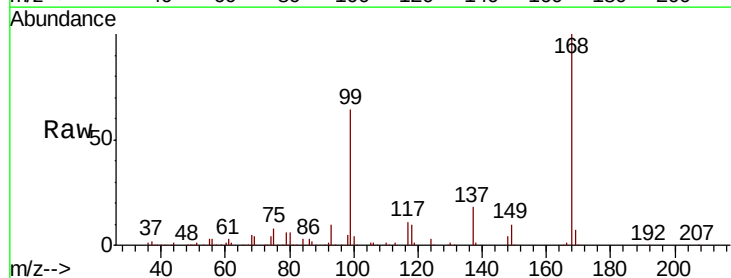
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A1-(0)

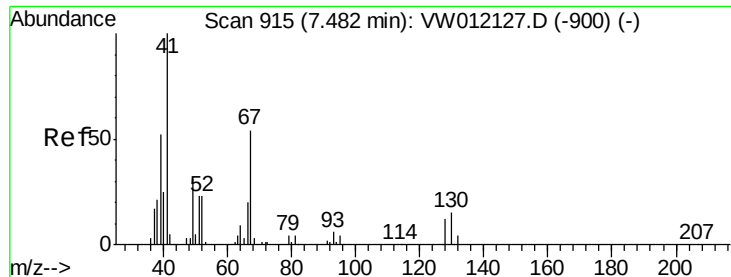
Tgt Ion: 43 Resp: 10713
 Ion Ratio Lower Upper
 43 100
 61 0.4 9.2 13.8#
 70 0.0 6.9 10.3#



#38
 Carbon Tetrachloride
 Concen: 6.846 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012661.D
 Acq: 06 Sep 2019 00:56

Tgt Ion: 117 Resp: 24036
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 23.8 35.8#

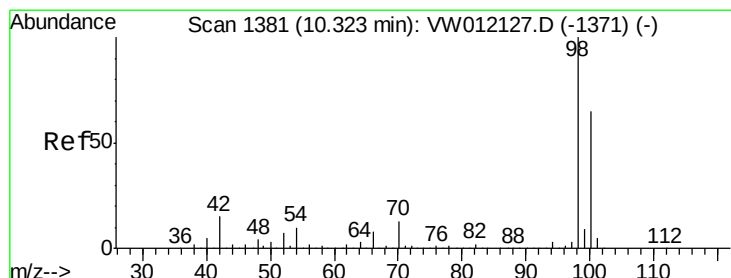
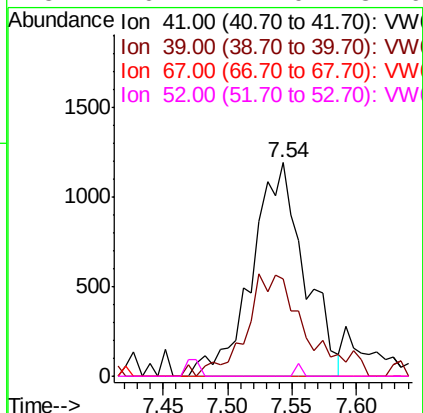
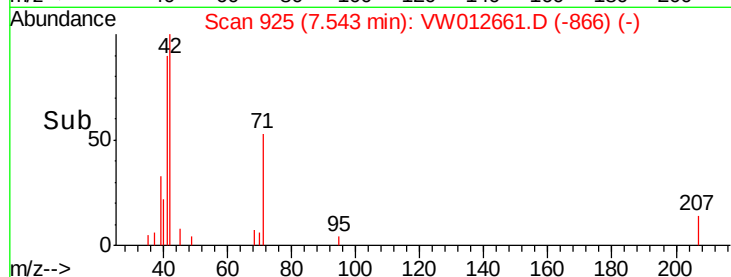
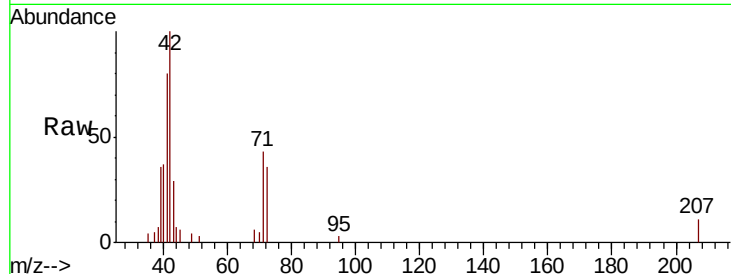




#41
Methacrylonitrile
Concen: 2.557 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

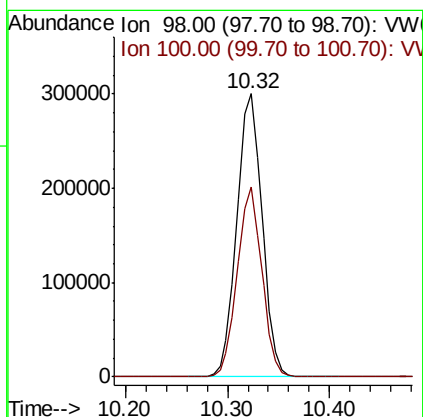
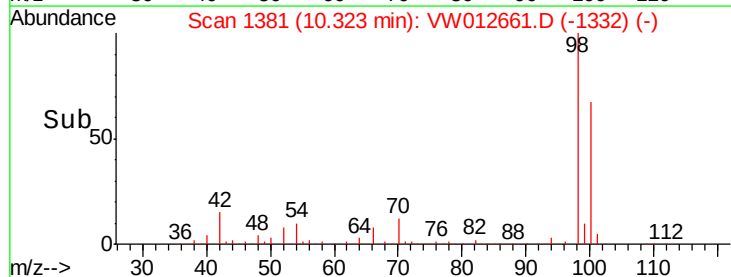
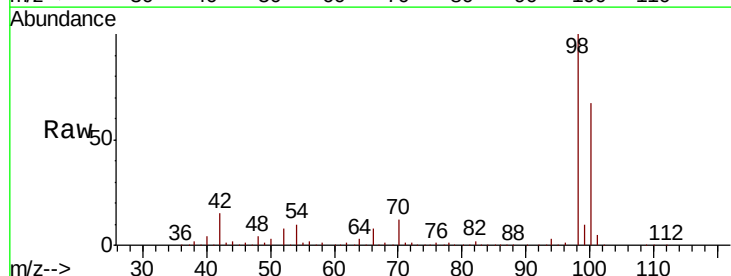
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(0)

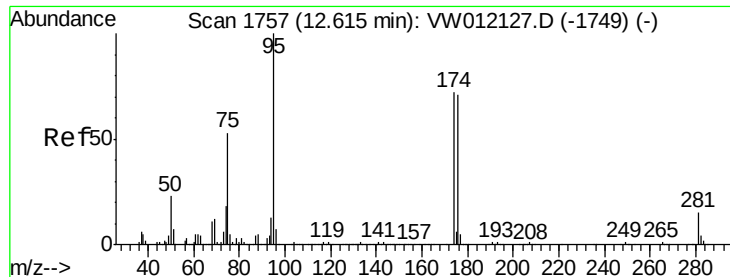
Tgt Ion:	41	Resp:	3341
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.8	68.8#
67	0.0	46.2	69.4#
52	0.7	21.0	31.6#



#50
Toluene-d8
Concen: 54.185 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

Tgt Ion:	98	Resp:	514782
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 47.974 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012661.D

Acq: 06 Sep 2019 00:56

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A1-(0)

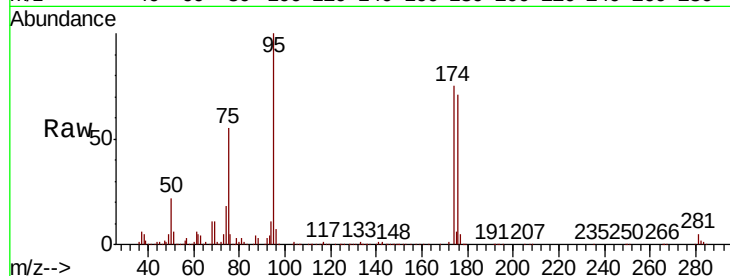
Tgt Ion: 95 Resp: 160658

Ion Ratio Lower Upper

95 100

174 79.3 0.0 150.8

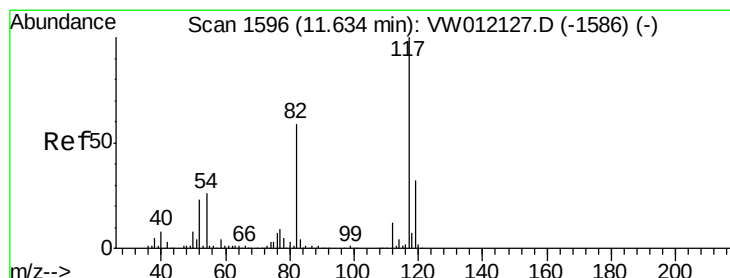
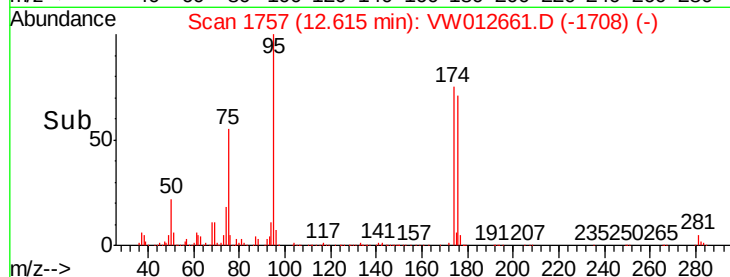
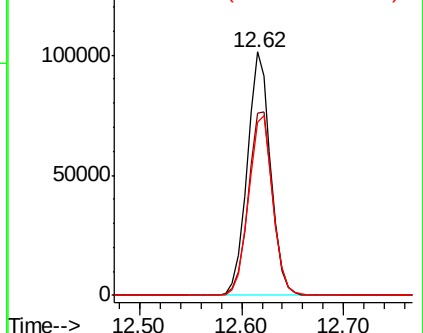
176 76.9 0.0 148.6



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. -0.01 min

Lab File: VW012661.D

Acq: 06 Sep 2019 00:56

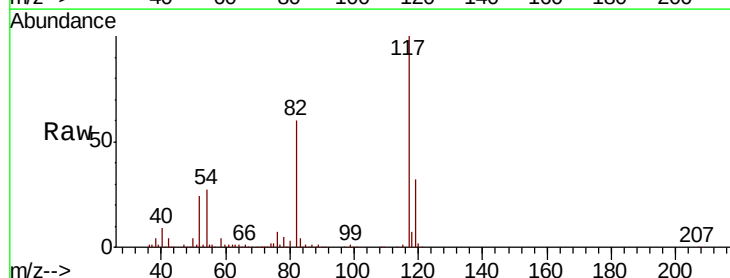
Tgt Ion: 117 Resp: 352542

Ion Ratio Lower Upper

117 100

82 59.6 47.4 71.2

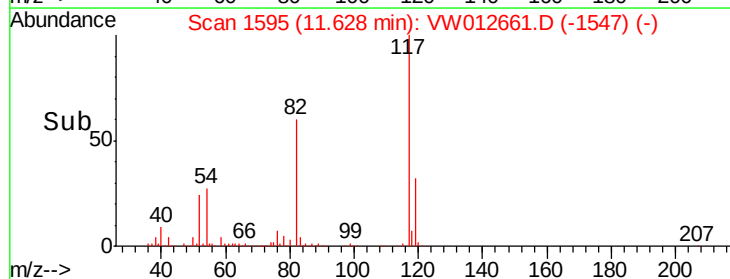
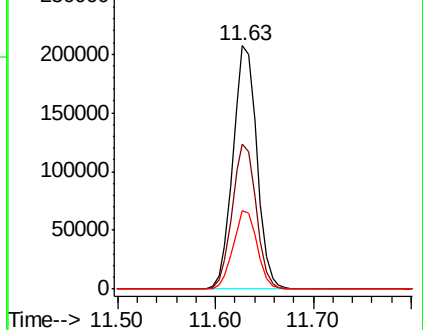
119 32.3 25.4 38.2

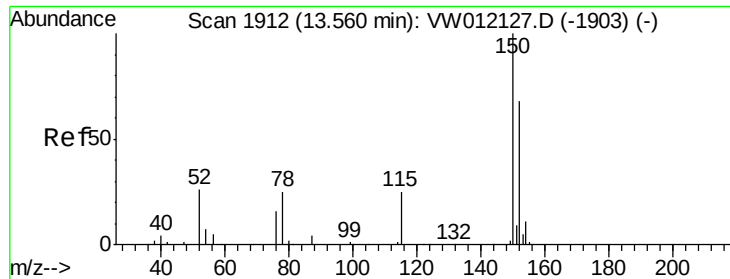


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012661.D

Acq: 06 Sep 2019 00:56

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A1-(0)

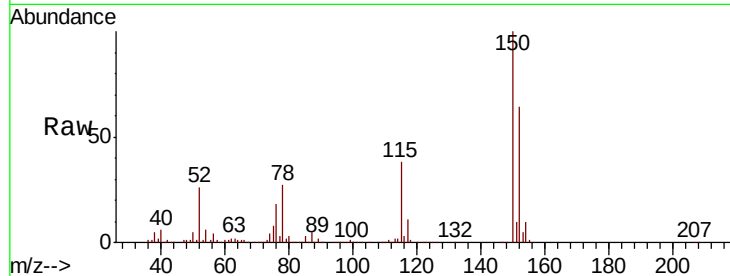
Tgt Ion:152 Resp: 133865

Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.3

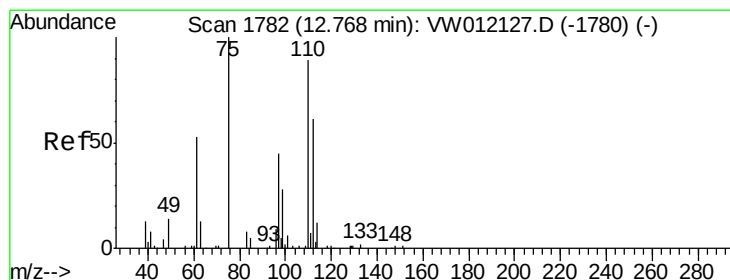
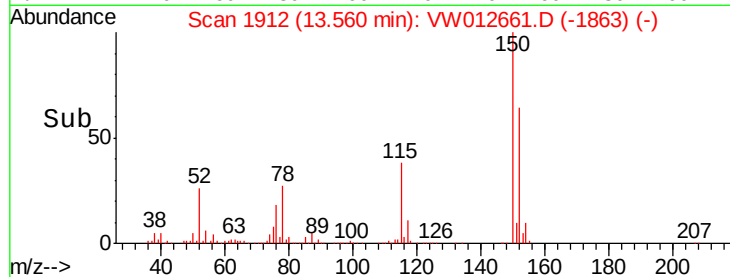
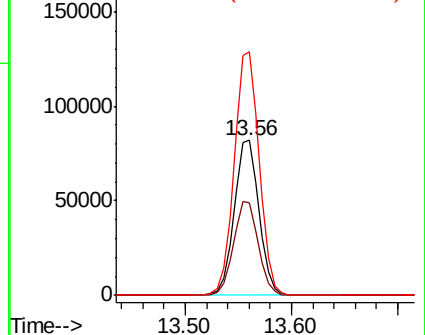
150 158.2 0.0 345.8



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: 67.458 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012661.D

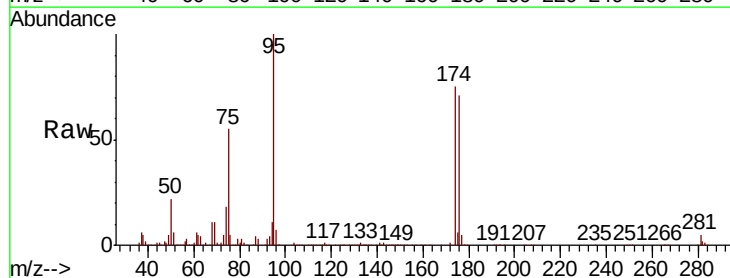
Acq: 06 Sep 2019 00:56

Tgt Ion: 75 Resp: 87948

Ion Ratio Lower Upper

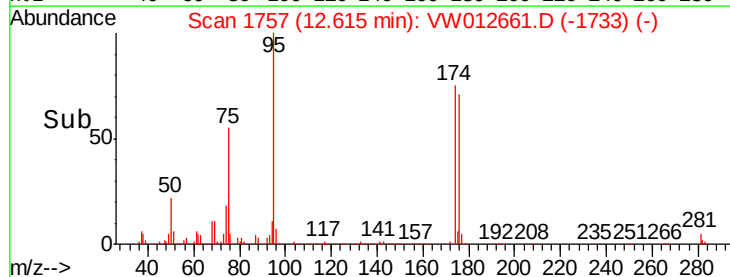
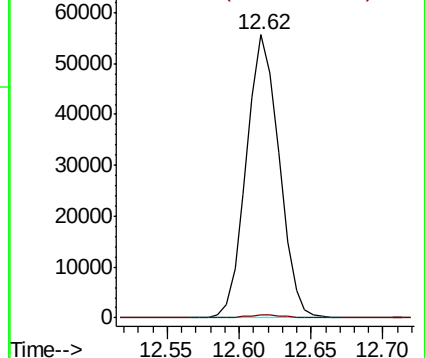
75 100

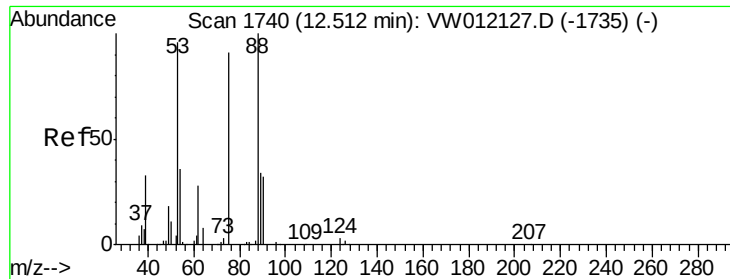
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

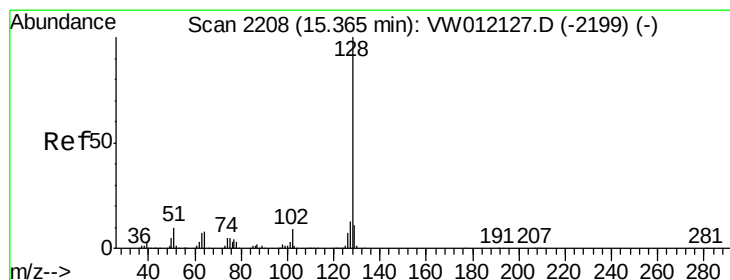
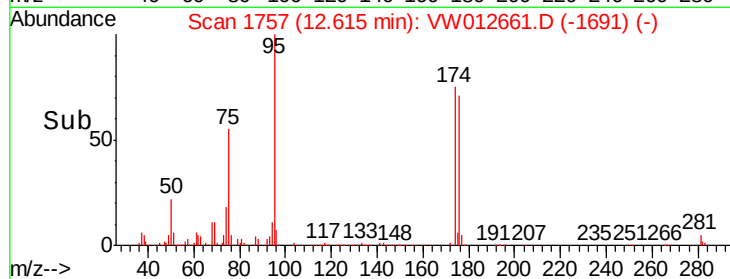
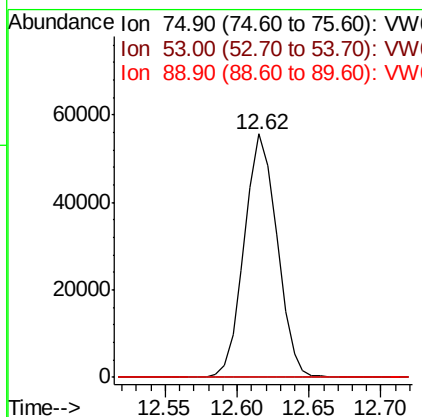
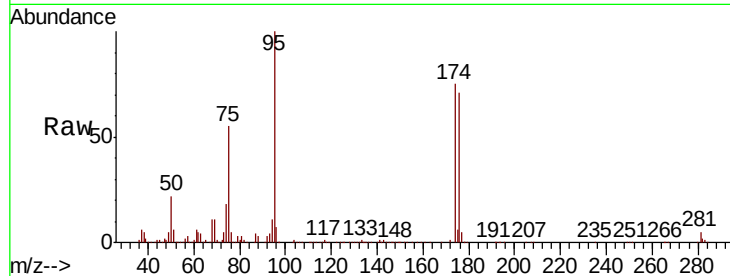




#81
trans-1,4-Dichloro-2-butene
Concen: 147.904 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A1-(0)

Tgt Ion: 75 Resp: 87948
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.587 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012661.D
Acq: 06 Sep 2019 00:56

Tgt Ion: 128 Resp: 1470
Ion Ratio Lower Upper
128 100
127 12.1 10.7 16.1
129 0.0 8.7 13.1#

