

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012234.D
 Acq On : 28 Aug 2019 04:59
 Operator : SY/VA
 Sample : K4093-03
 Misc : 3.33G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-082619

Quant Time: Aug 28 07:28:09 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

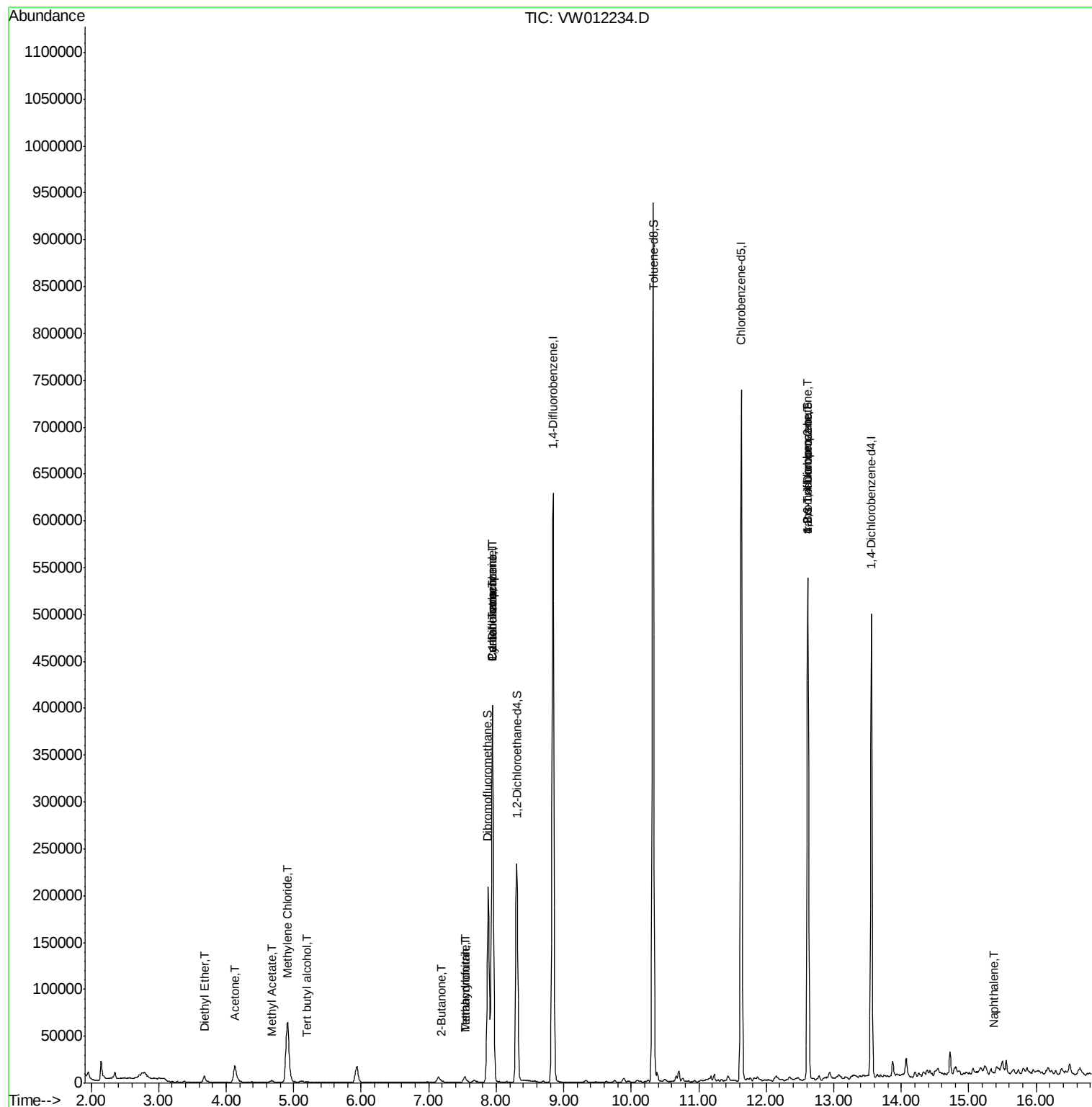
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	389305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125934	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	187888	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
35) Dibromofluoromethane	7.88	113	148710	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
50) Toluene-d8	10.32	98	590437	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.62	95	172108	40.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.72%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	3203	1.945	ug/l	73
11) Tert butyl alcohol	5.20	59	212	1.001	ug/l #	71
16) Acetone	4.13	43	35330	39.286	ug/l	96
18) Methyl Acetate	4.67	43	3503	1.573	ug/l #	91
20) Methylene Chloride	4.91	84	47193	13.882	ug/l	99
25) 2-Butanone	7.19	43	1272	1.041	ug/l	91
29) Tetrahydrofuran	7.54	42	5707	7.784	ug/l	95
31) Cyclohexane	7.95	56	7566	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	25412	4.920	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29605	6.622	ug/l #	17
41) Methacrylonitrile	7.53	41	3570	2.146	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	90334	73.651	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90334	161.483	ug/l #	6
95) Naphthalene	15.37	128	1412	4.593	ug/l #	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012234.D

Acq: 28 Aug 2019 04:59

Instrument :

MSVOA_W

ClientSampleId :

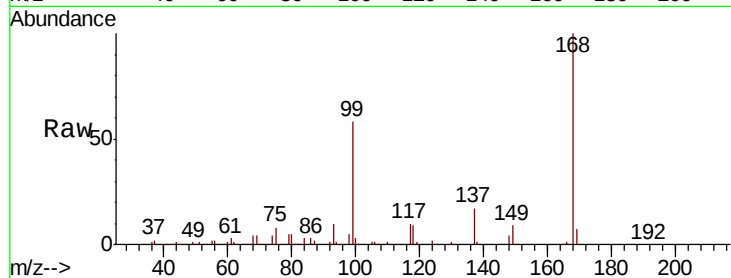
PL-02-082619

Tgt Ion:168 Resp: 295947

Ion Ratio Lower Upper

168 100

99 57.7 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

150000

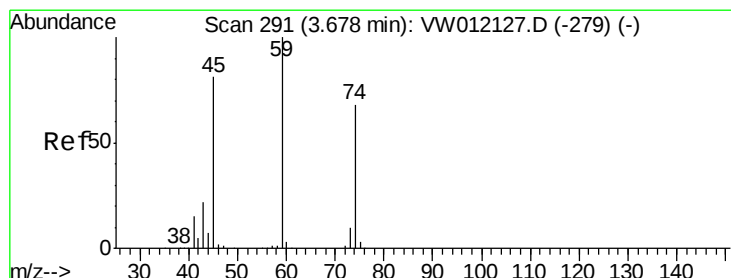
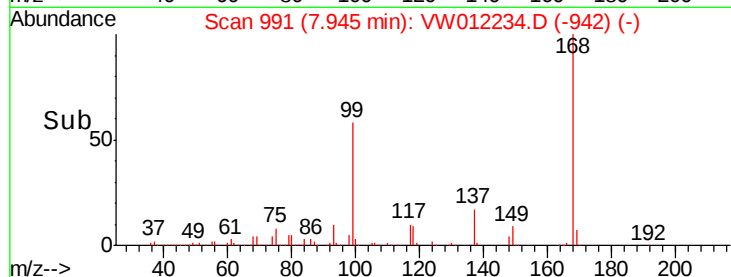
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.945 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012234.D

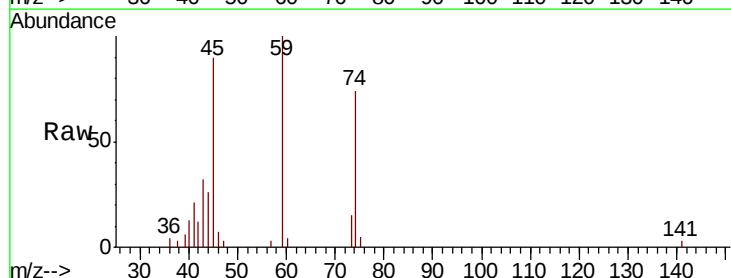
Acq: 28 Aug 2019 04:59

Tgt Ion: 74 Resp: 3203

Ion Ratio Lower Upper

74 100

45 148.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

1500

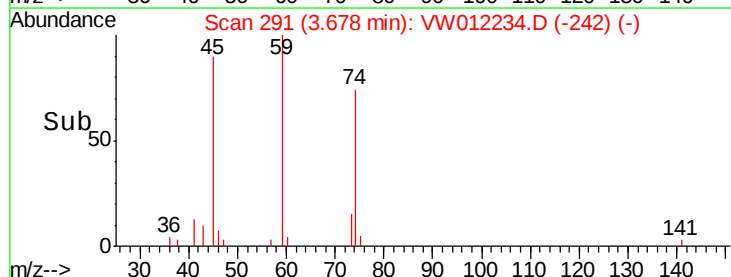
1000

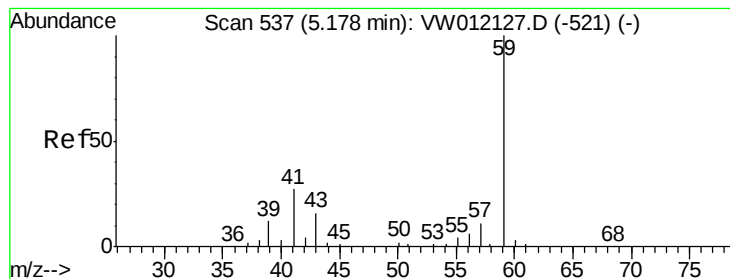
500

0

3.60 3.65 3.70 3.75

Time-->



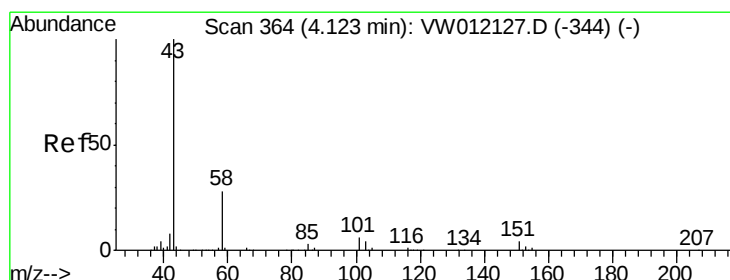
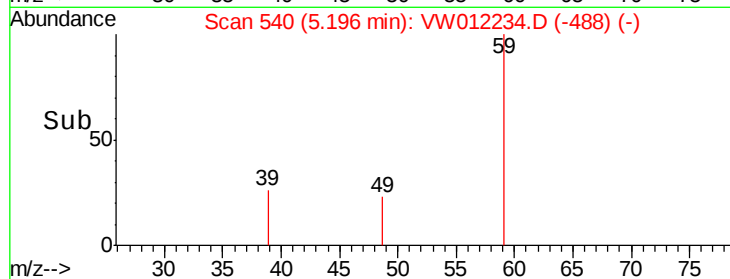
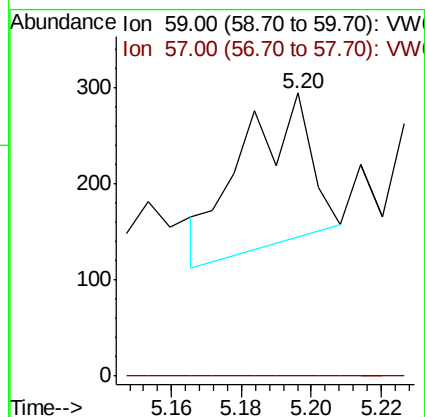
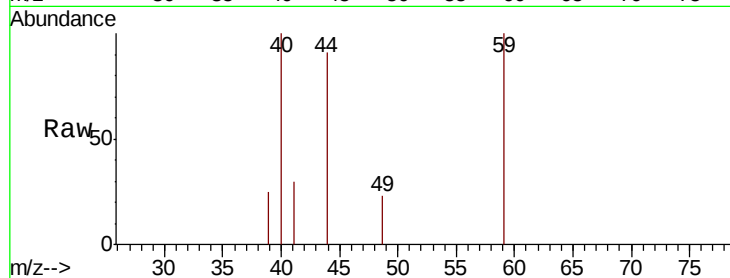


#11

Tert butyl alcohol
 Concen: 1.001 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012234.D
 Acq: 28 Aug 2019 04:59

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-082619

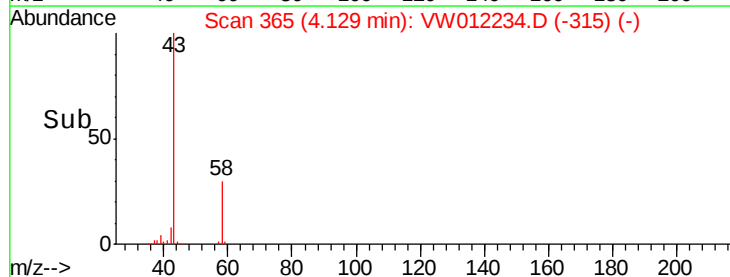
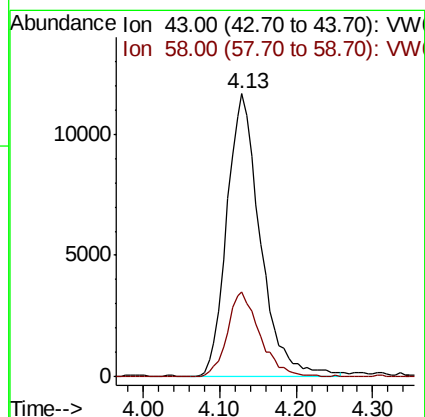
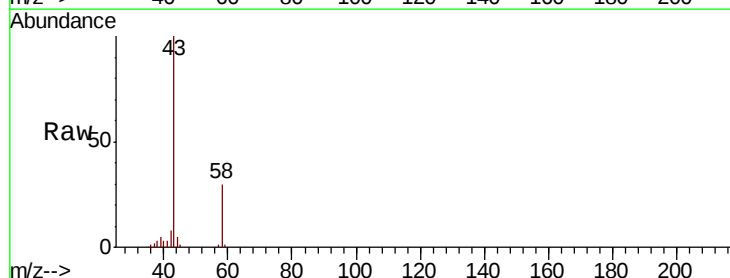
Tgt Ion: 59 Resp: 212
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

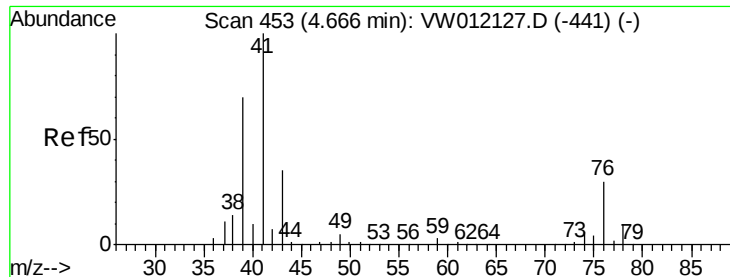


#16

Acetone
 Concen: 39.286 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012234.D
 Acq: 28 Aug 2019 04:59

Tgt Ion: 43 Resp: 35330
 Ion Ratio Lower Upper
 43 100
 58 30.2 22.4 33.6

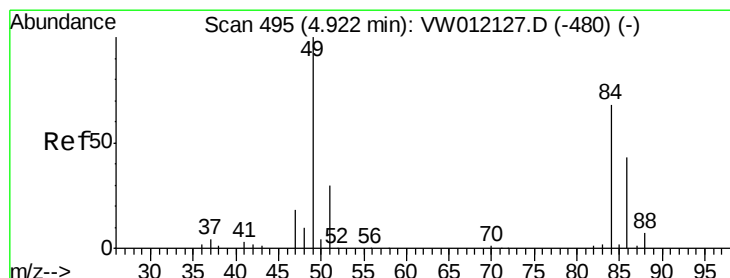
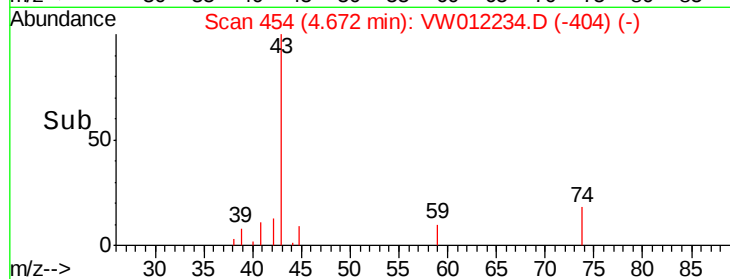
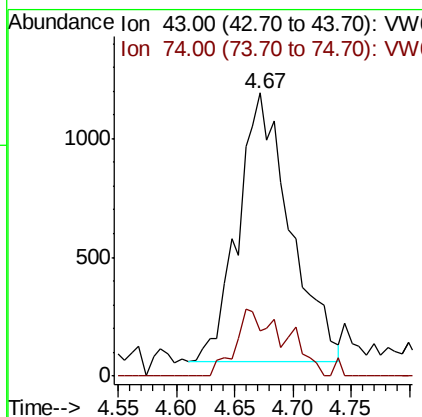
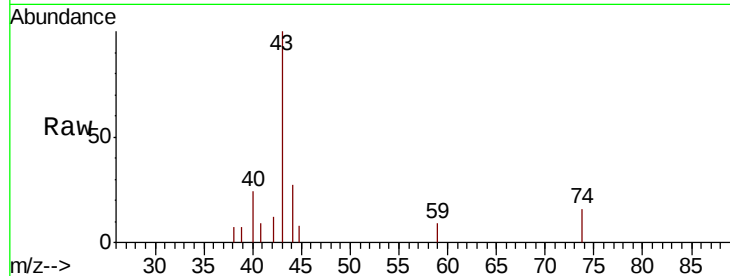




#18
Methyl Acetate
Concen: 1.573 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012234.D
Acq: 28 Aug 2019 04:59

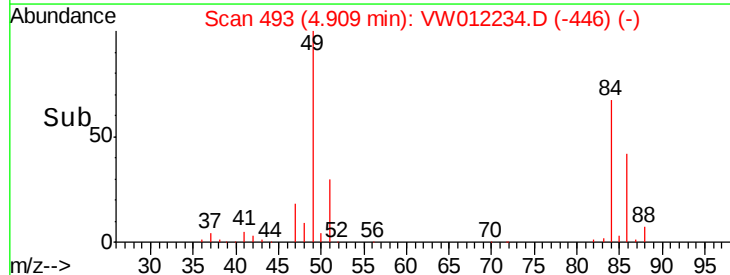
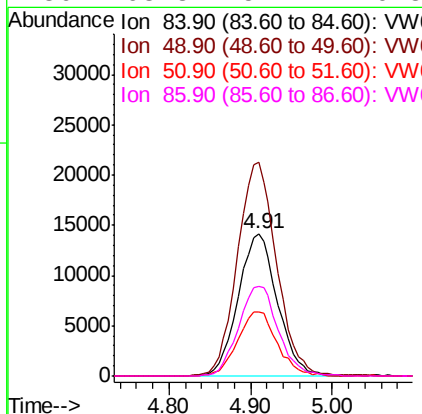
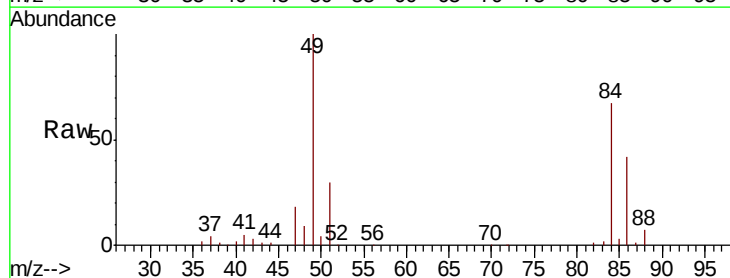
Instrument :
MSVOA_W
ClientSampled :
PL-02-082619

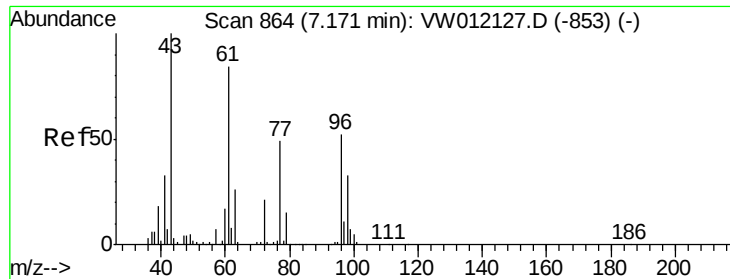
Tgt Ion: 43 Resp: 3503
Ion Ratio Lower Upper
43 100
74 23.8 15.7 23.5#



#20
Methylene Chloride
Concen: 13.882 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012234.D
Acq: 28 Aug 2019 04:59

Tgt Ion: 84 Resp: 47193
Ion Ratio Lower Upper
84 100
49 150.0 117.8 176.8
51 44.5 35.6 53.4
86 63.3 51.2 76.8

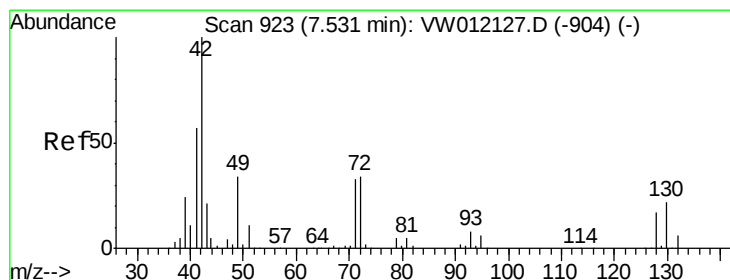
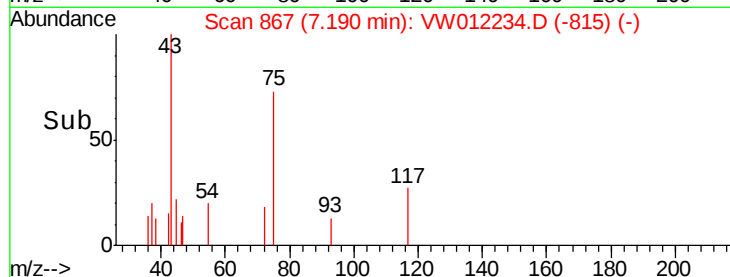
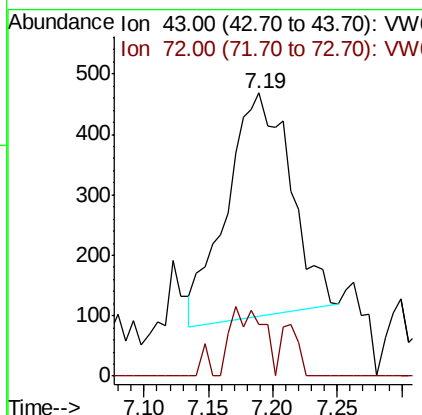
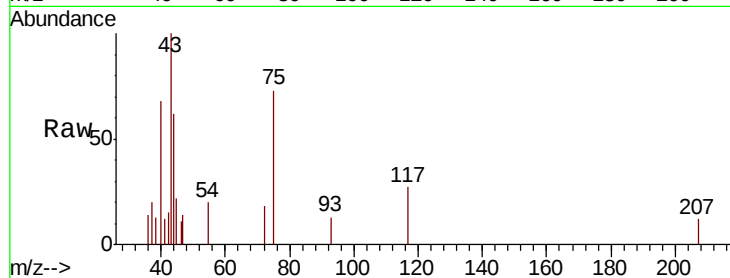




#25
 2-Butanone
 Concen: 1.041 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. 0.02 min
 Lab File: VW012234.D
 Acq: 28 Aug 2019 04:59

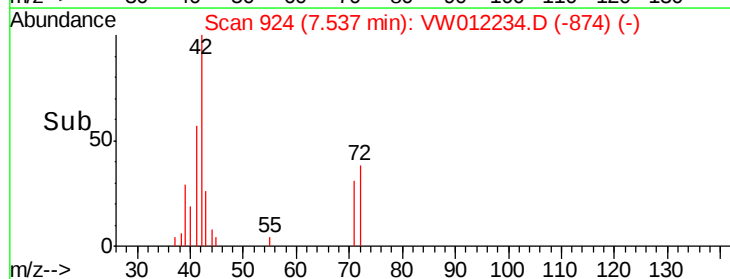
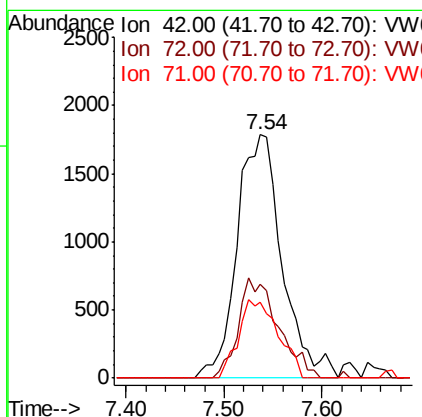
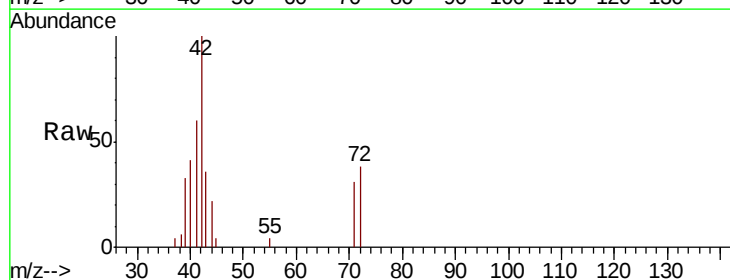
Instrument :
 MSVOA_W
 ClientSampled :
 PL-02-082619

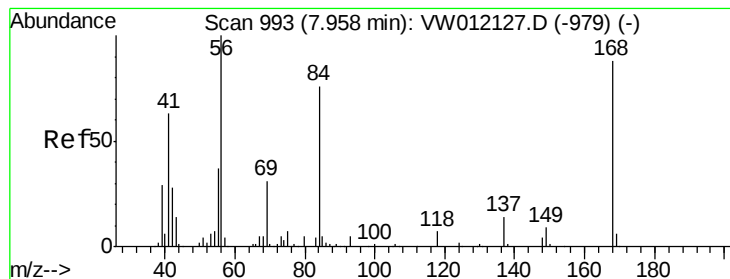
Tgt Ion: 43 Resp: 1272
 Ion Ratio Lower Upper
 43 100
 72 24.7 16.6 24.8



#29
 Tetrahydrofuran
 Concen: 7.784 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW012234.D
 Acq: 28 Aug 2019 04:59

Tgt Ion: 42 Resp: 5707
 Ion Ratio Lower Upper
 42 100
 72 36.2 27.3 40.9
 71 28.2 25.5 38.3





#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012234.D

Acq: 28 Aug 2019 04:59

Instrument :

MSVOA_W

ClientSampleId :

PL-02-082619

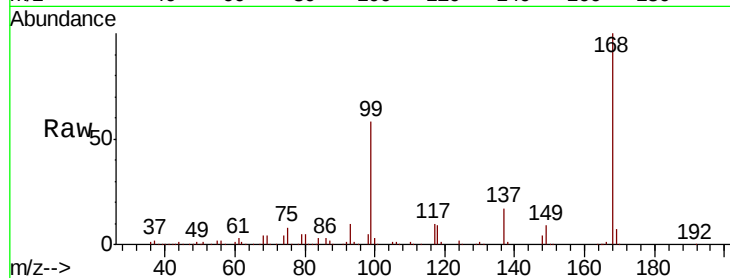
Tgt Ion: 56 Resp: 7566

Ion Ratio Lower Upper

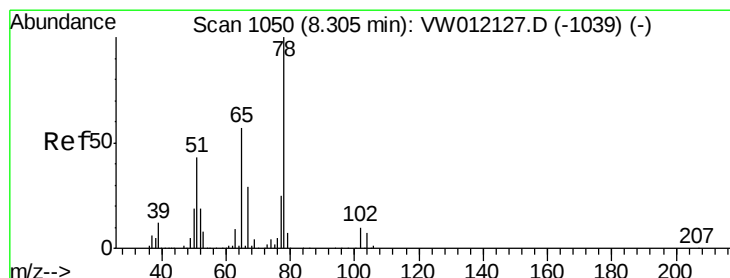
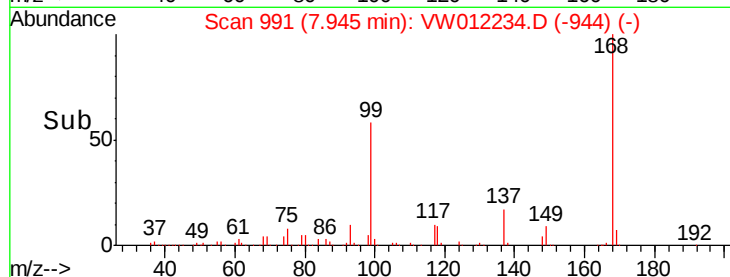
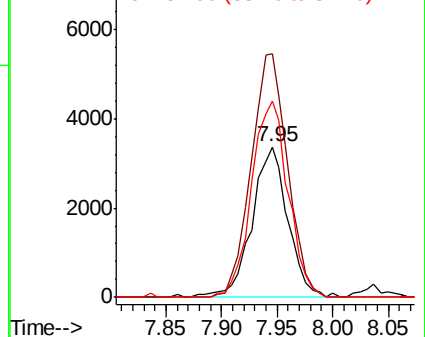
56 100

69 162.0 24.9 37.3#

84 130.3 60.6 90.8#



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: 53.406 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012234.D

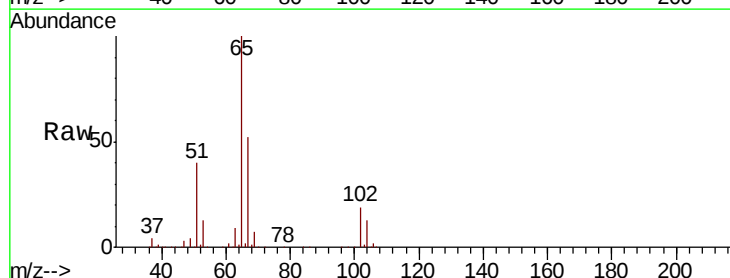
Acq: 28 Aug 2019 04:59

Tgt Ion: 65 Resp: 187888

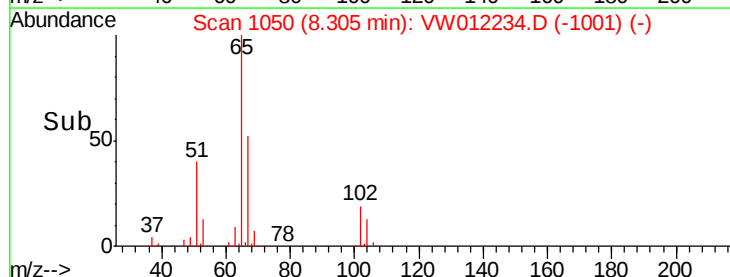
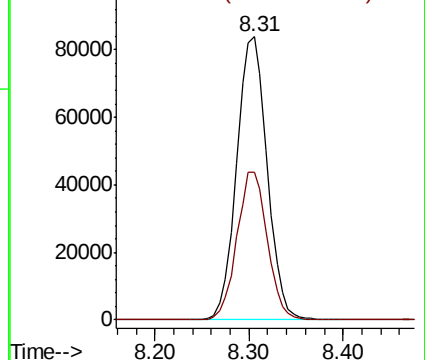
Ion Ratio Lower Upper

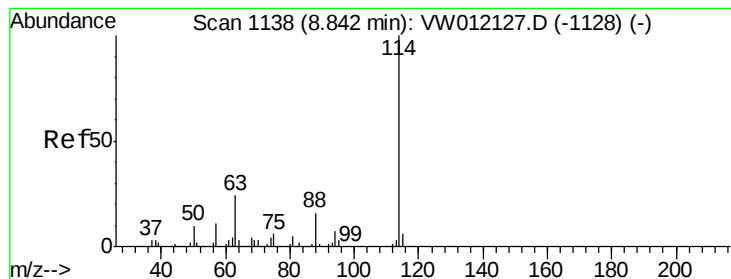
65 100

67 52.4 0.0 102.6



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: VW012234.D

Acq: 28 Aug 2019 04:59

Instrument :

MSVOA_W

ClientSampleId :

PL-02-082619

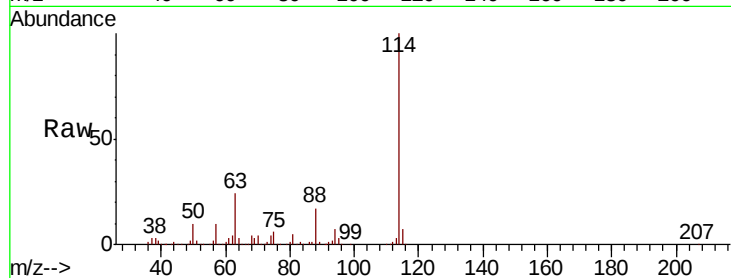
Tgt Ion:114 Resp: 499840

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.6

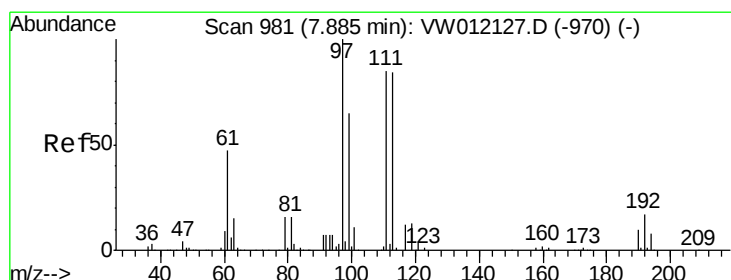
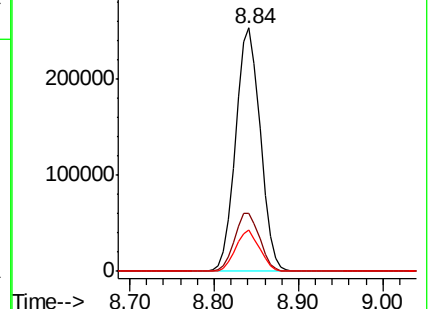
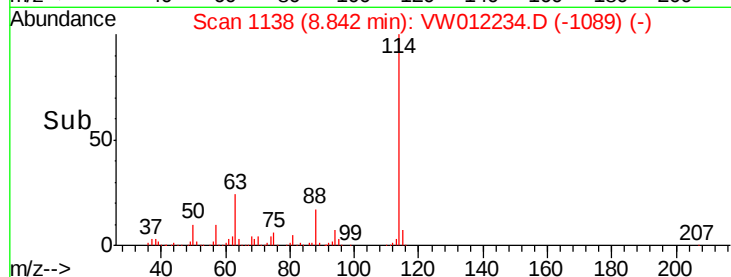
88 17.0 0.0 32.2



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: 49.843 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012234.D

Acq: 28 Aug 2019 04:59

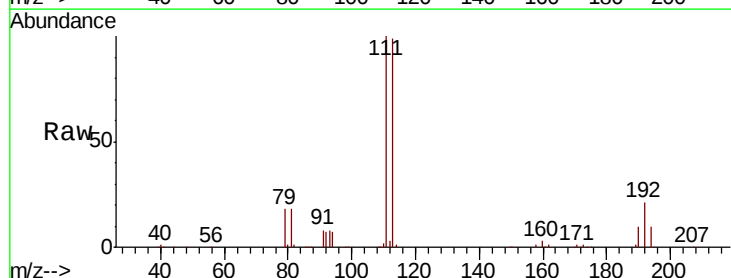
Tgt Ion:113 Resp: 148710

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

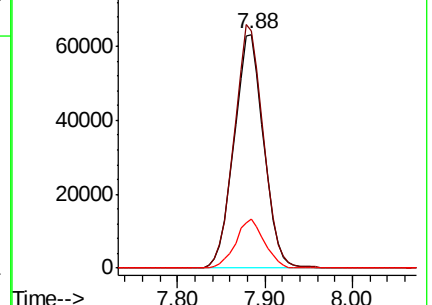
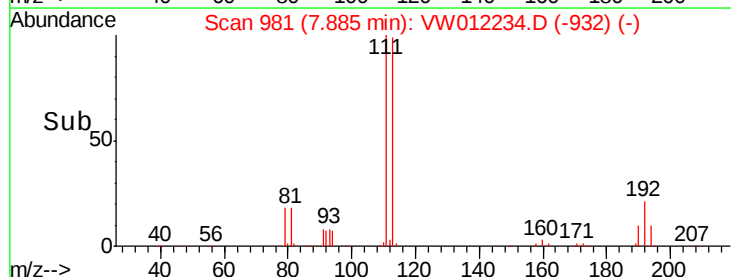
192 20.5 16.2 24.2

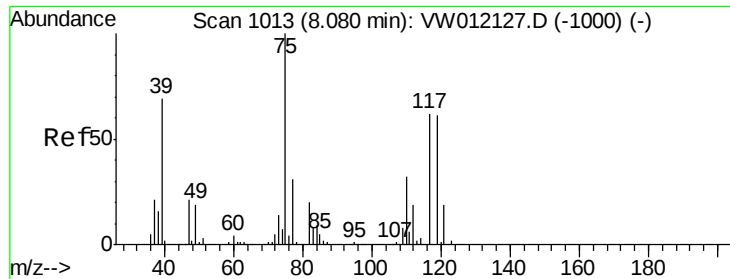


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

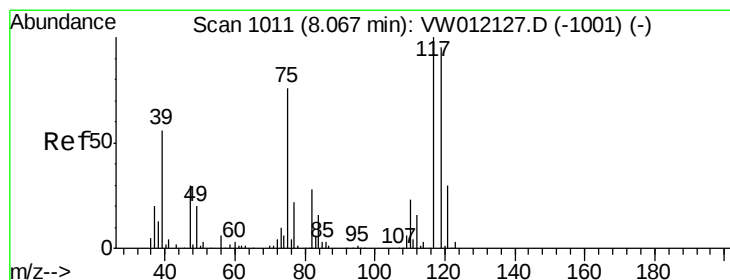
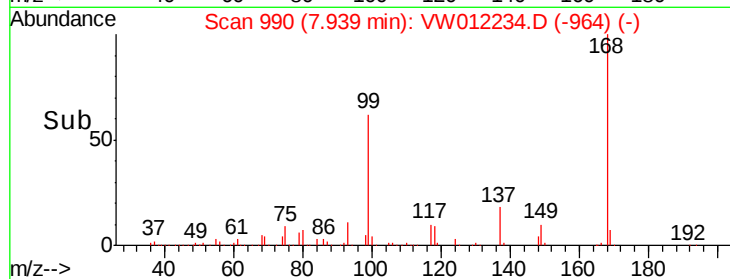
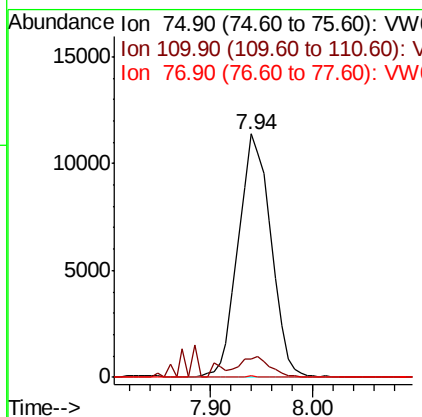
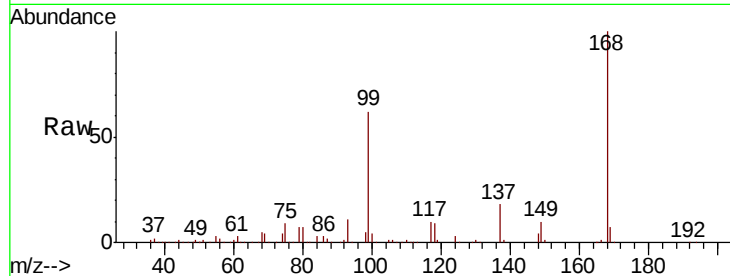




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012234.D
 Acq: 28 Aug 2019 04:59

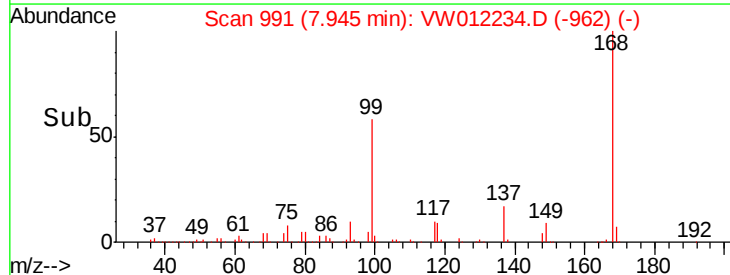
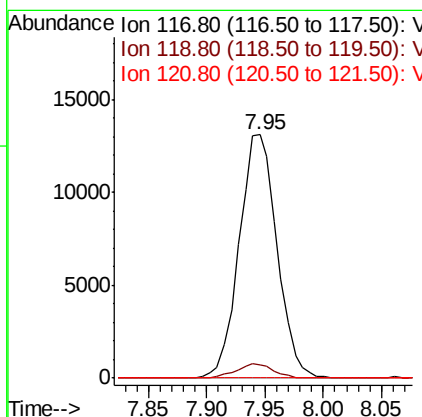
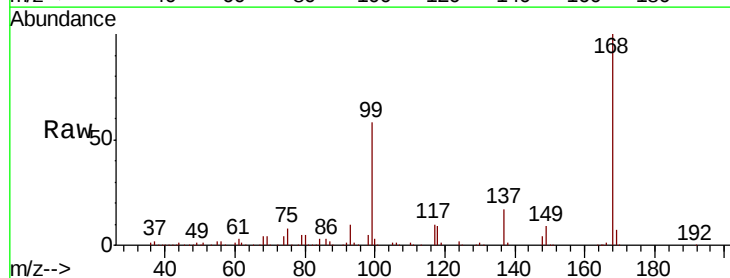
Instrument :
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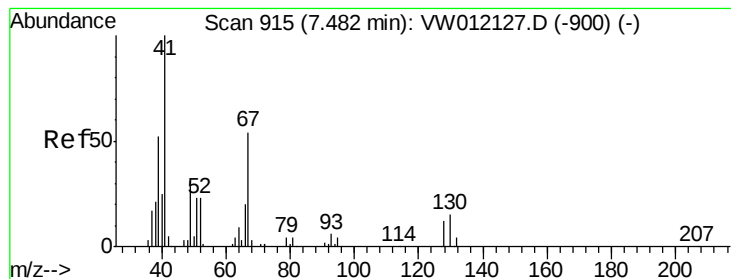
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.622 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012234.D
 Acq: 28 Aug 2019 04:59

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





#41

Methacrylonitrile

Concen: 2.146 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012234.D

Acq: 28 Aug 2019 04:59

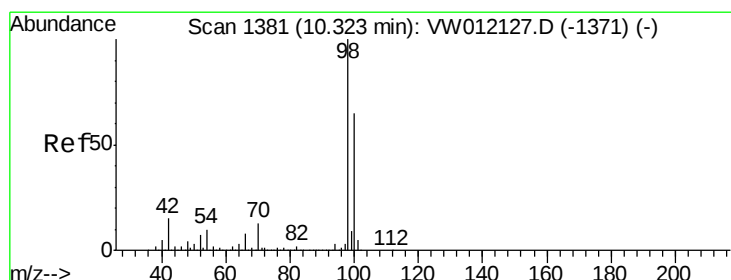
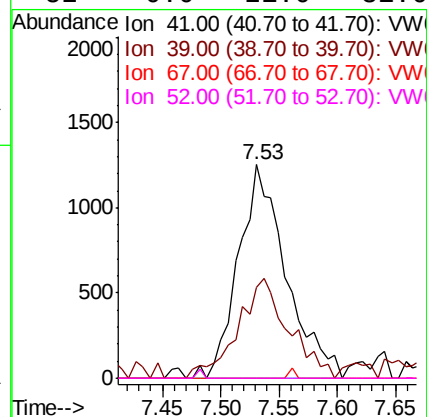
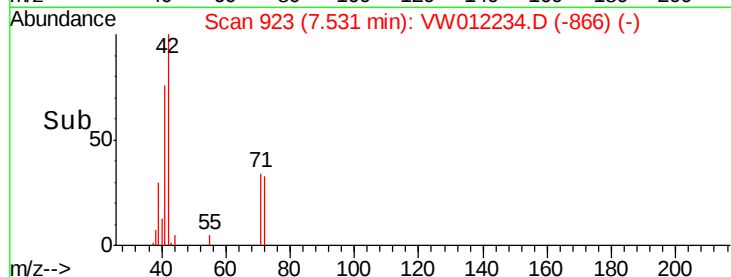
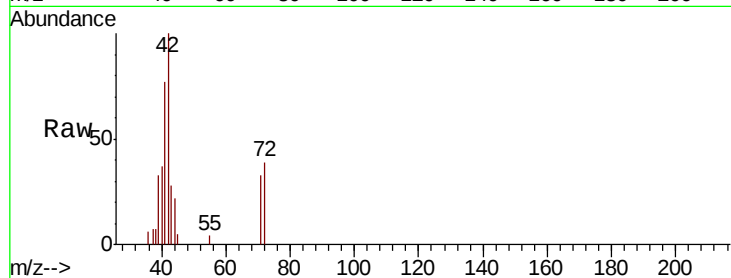
Instrument :

MSVOA_W

ClientSampleId :

PL-02-082619

Tgt Ion:	41	Resp:	3570
Ion	Ratio	Lower	Upper
41	100		
39	49.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50

Toluene-d8

Concen: 48.807 ug/l

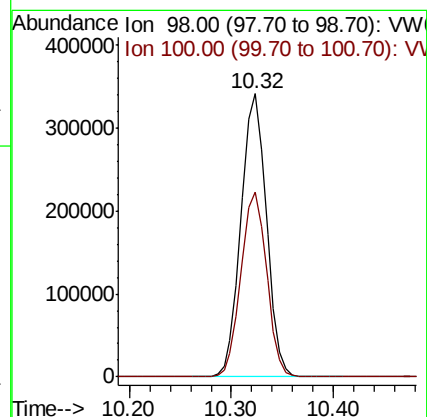
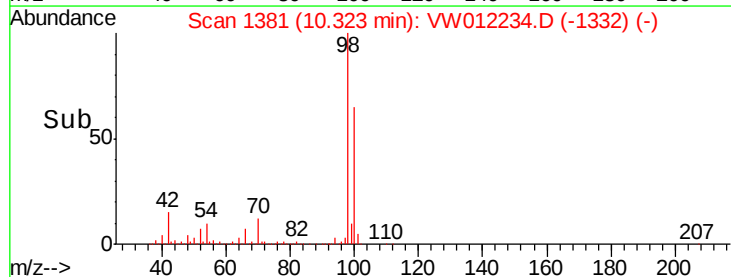
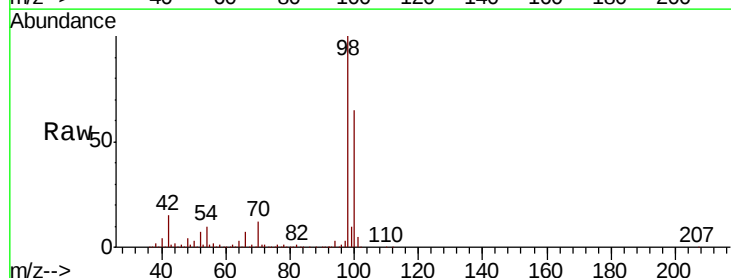
RT: 10.32 min Scan# 1381

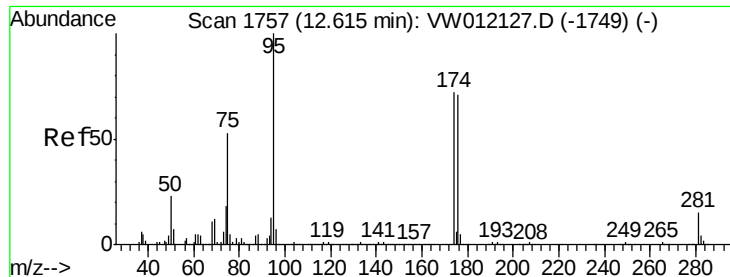
Delta R.T. -0.00 min

Lab File: VW012234.D

Acq: 28 Aug 2019 04:59

Tgt Ion:	98	Resp:	590437
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6

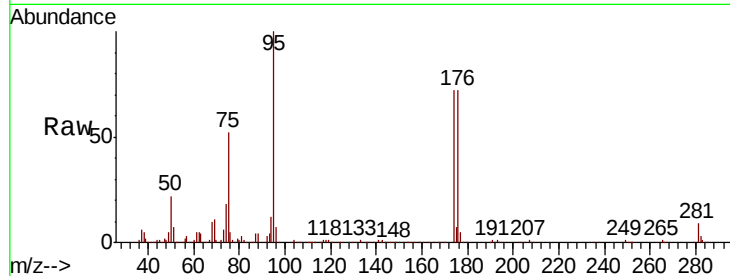




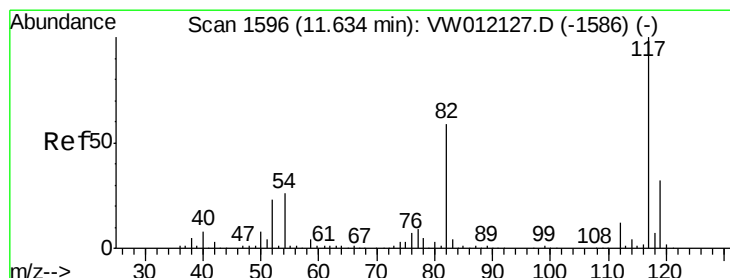
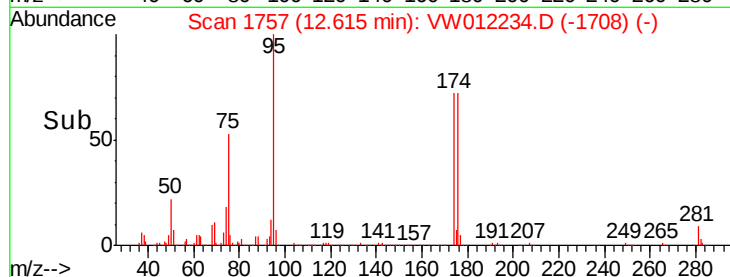
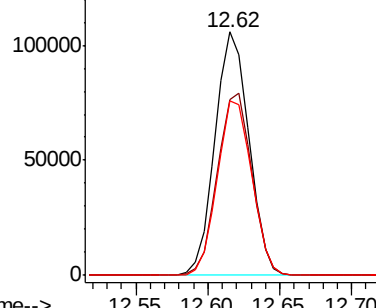
#62
4-Bromofluorobenzene
Concen: 40.360 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012234.D
Acq: 28 Aug 2019 04:59

Instrument :
MSVOA_W
ClientSampled :
PL-02-082619

Tgt Ion: 95 Resp: 172108
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.8
176 73.4 0.0 148.6

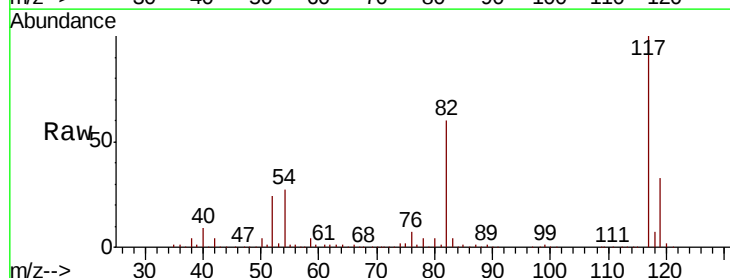


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

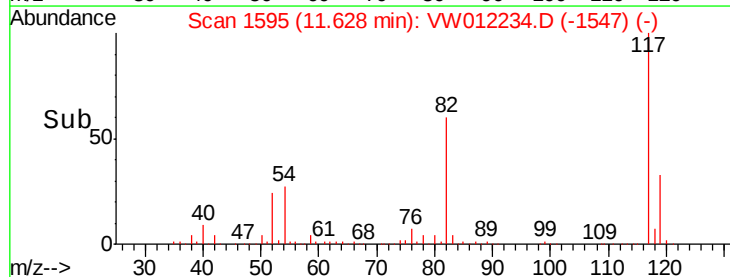
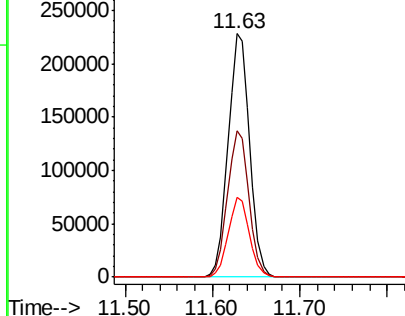


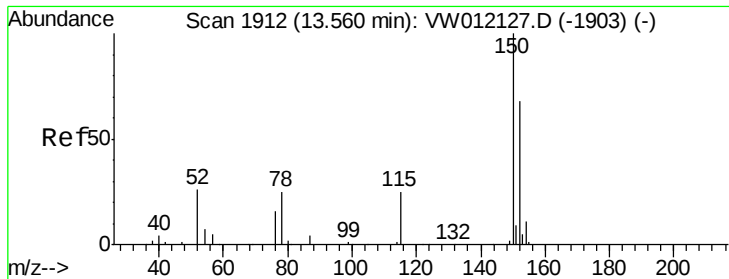
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012234.D
Acq: 28 Aug 2019 04:59

Tgt Ion: 117 Resp: 389305
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 32.9 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: VW012234.D

Acq: 28 Aug 2019 04:59

Instrument :

MSVOA_W

ClientSampleId :

PL-02-082619

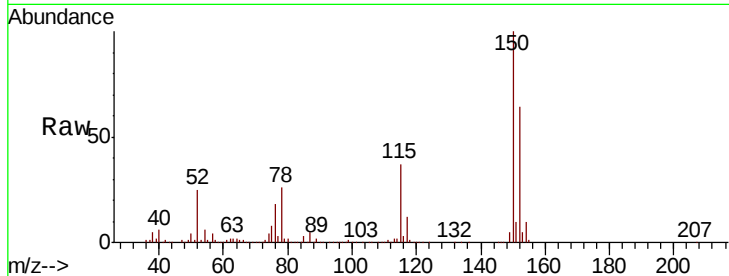
Tgt Ion:152 Resp: 125934

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

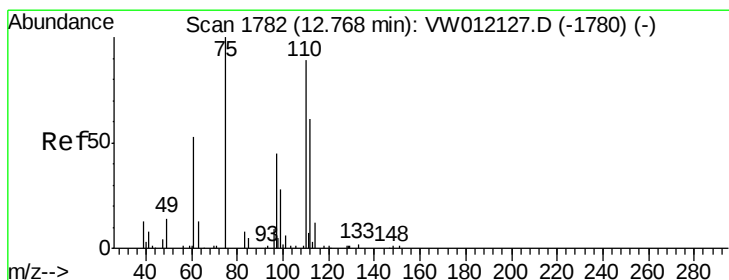
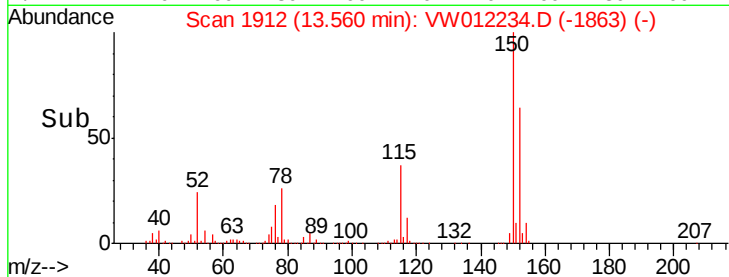
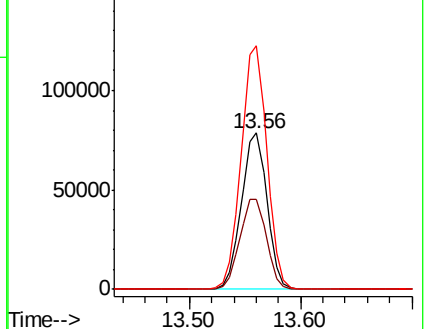
150 156.3 0.0 345.8



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: 73.651 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012234.D

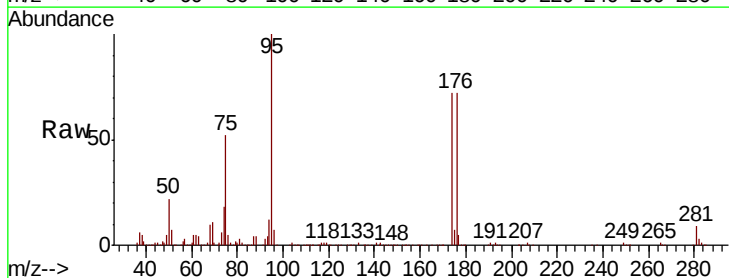
Acq: 28 Aug 2019 04:59

Tgt Ion: 75 Resp: 90334

Ion Ratio Lower Upper

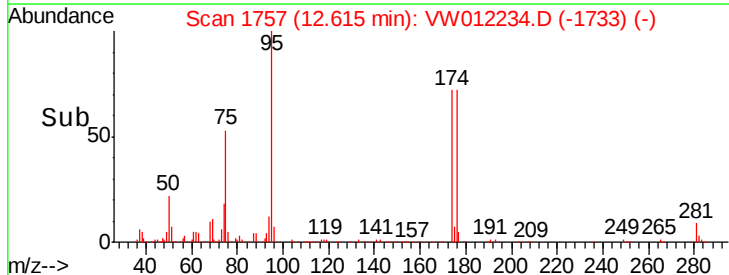
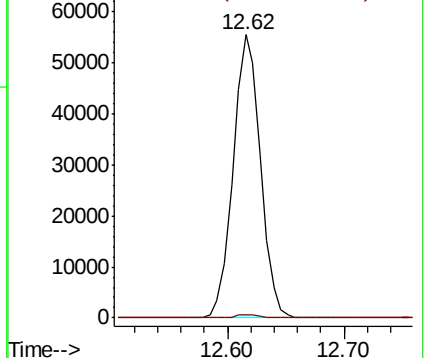
75 100

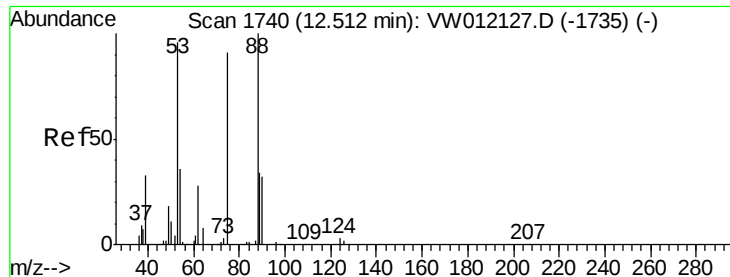
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

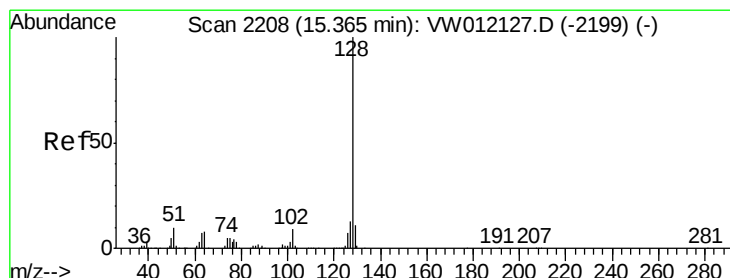
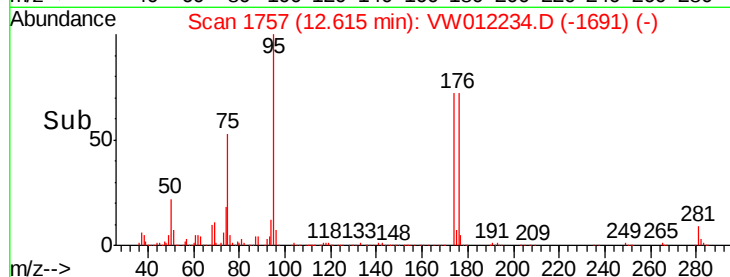
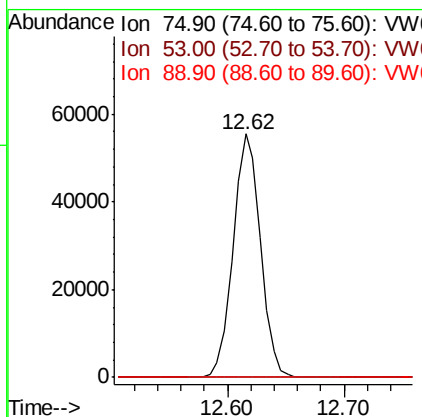
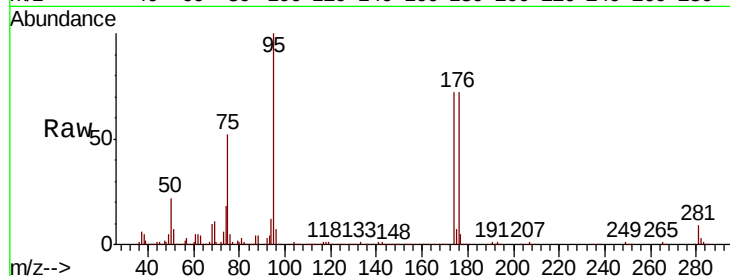




#81
trans-1,4-Dichloro-2-butene
Concen: 161.483 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012234.D
Acq: 28 Aug 2019 04:59

Instrument :
MSVOA_W
ClientSampleId :
PL-02-082619

Tgt Ion: 75 Resp: 90334
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.593 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012234.D
Acq: 28 Aug 2019 04:59

Tgt Ion: 128 Resp: 1412
Ion Ratio Lower Upper
128 100
127 18.7 10.7 16.1#
129 12.4 8.7 13.1

