

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
 Data File : VW004567.D
 Acq On : 09 Aug 2018 23:00
 Operator : SY/AP
 Sample : VW0812SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBL01

Quant Time: Aug 10 03:51:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	573937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	982119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	968098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	460528	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	359426	56.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.14%	
35) Dibromofluoromethane	7.88	113	340925	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
50) Toluene-d8	10.33	98	1273842	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.62	95	424977	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

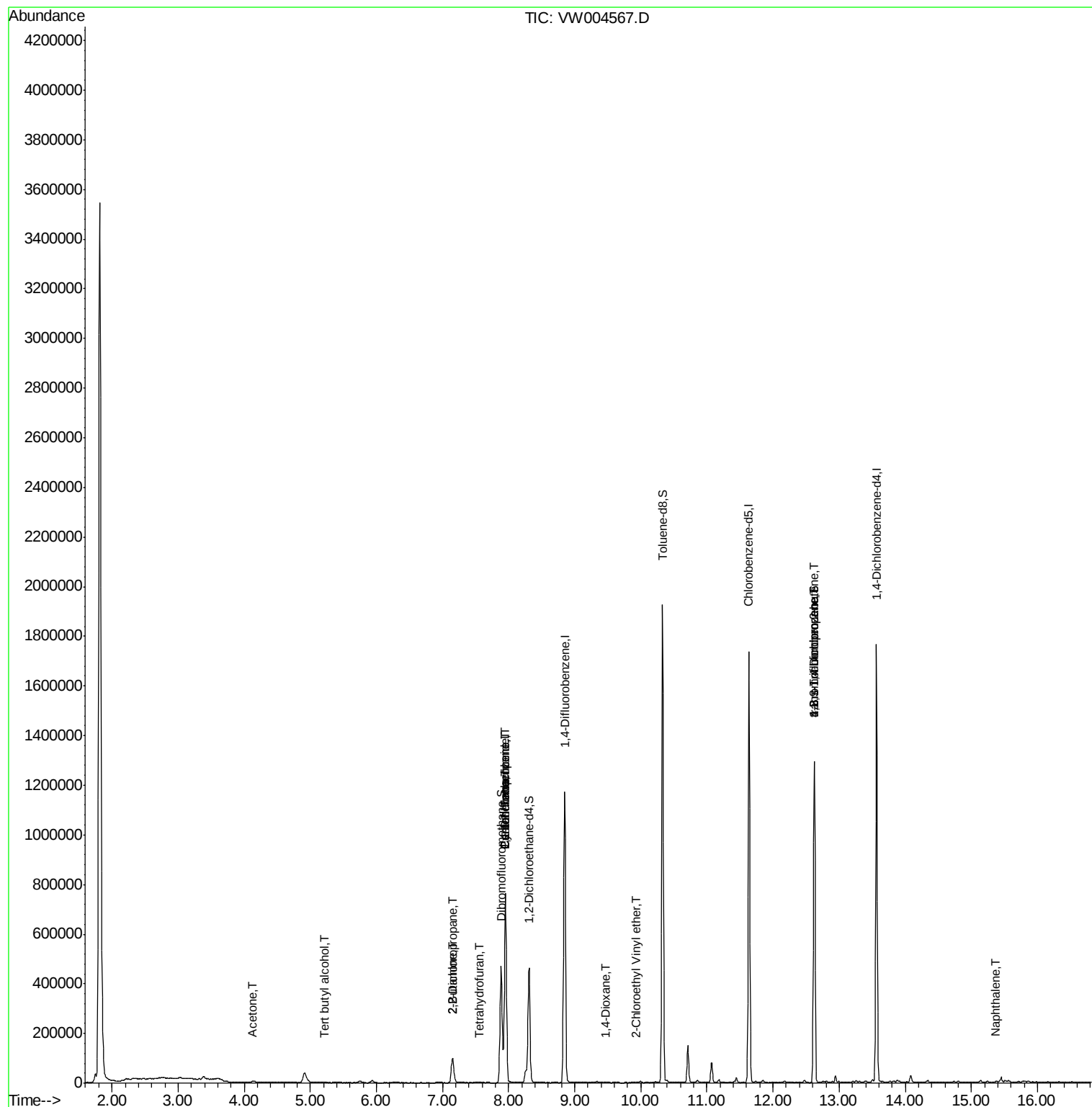
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.22	59	860	2.312	ug/l #	86
16) Acetone	4.13	43	9965	6.281	ug/l	97
20) Methylene Chloride	4.92	84	34627	Below Cal	#	85
25) 2-Butanone	7.15	43	6328	2.479	ug/l #	71
26) 2,2-Dichloropropane	7.15	77	6563	1.005	ug/l #	51
29) Tetrahydrofuran	7.55	42	1450	1.099	ug/l #	89
31) Cyclohexane	7.95	56	12392	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	46018	4.352	ug/l #	49
38) Carbon Tetrachloride	7.95	117	54211	5.697	ug/l #	17
49) 1,4-Dioxane	9.48	88	69	1.142	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.93	63	569	9.096	ug/l #	83
76) 1,2,3-Trichloropropane	12.62	75	206920	43.421	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	206920	103.944	ug/l #	12
95) Naphthalene	15.37	128	3563	3.078	ug/l #	95

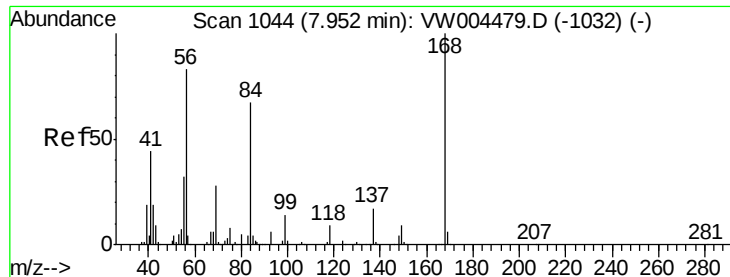
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
Data File : VW004567.D
Acq On : 09 Aug 2018 23:00
Operator : SY/AP
Sample : VW0812SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBL01

Quant Time: Aug 10 03:51:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 08:22:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

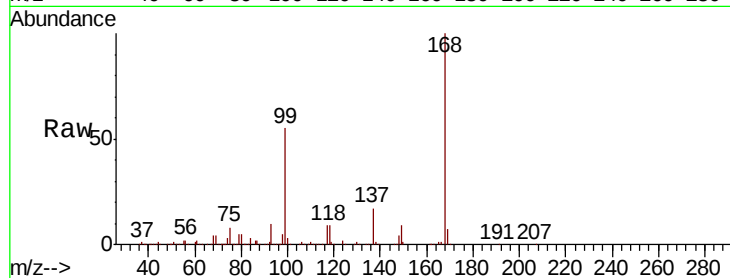
VW0812SBL01

Tgt Ion:168 Resp: 573937

Ion Ratio Lower Upper

168 100

99 54.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

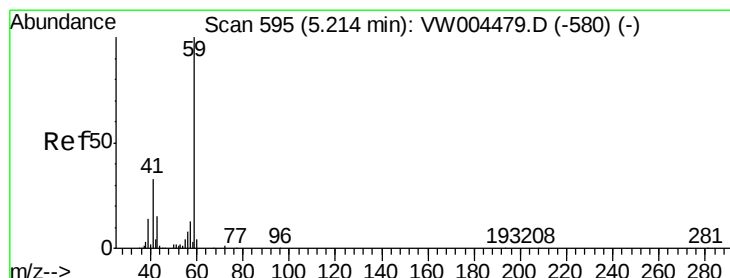
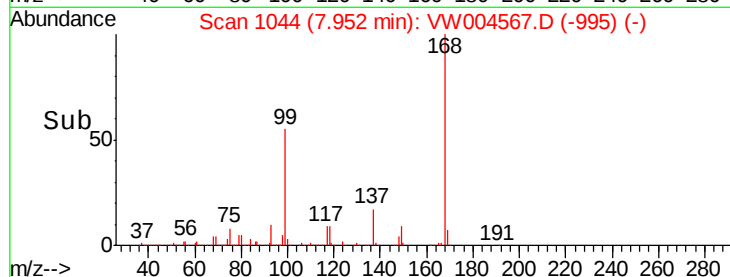
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.312 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VW004567.D

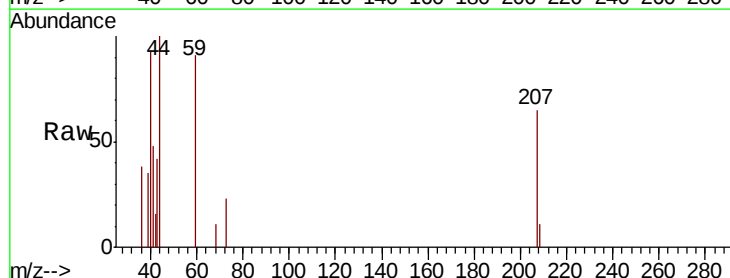
Acq: 09 Aug 2018 23:00

Tgt Ion: 59 Resp: 860

Ion Ratio Lower Upper

59 100

57 6.2 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

500

400

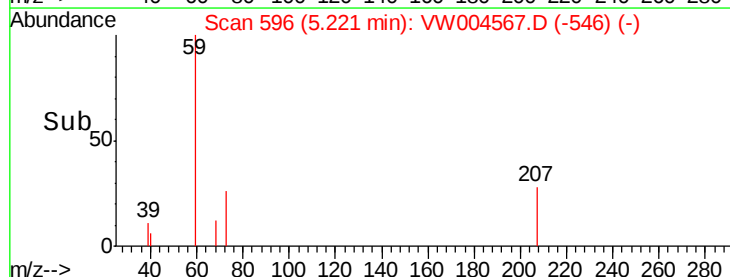
300

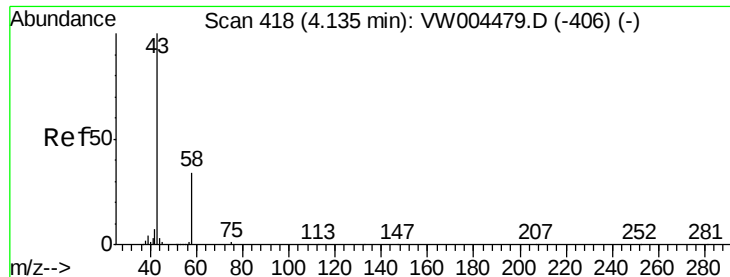
200

100

0

Time-->

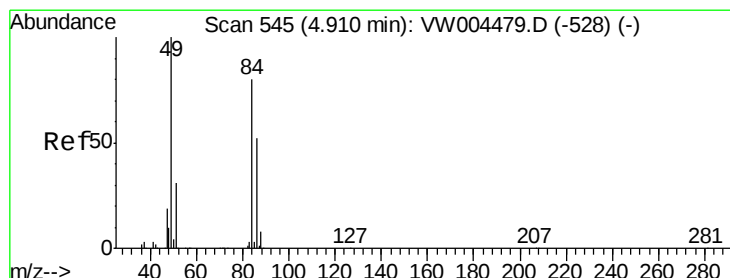
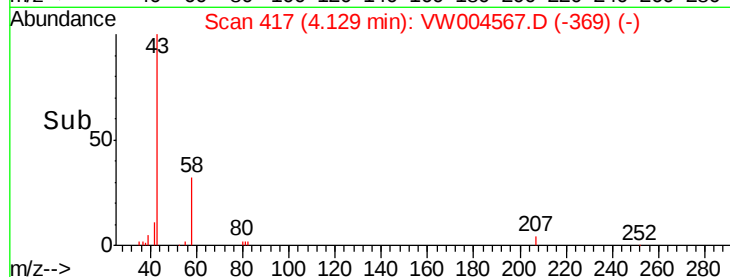
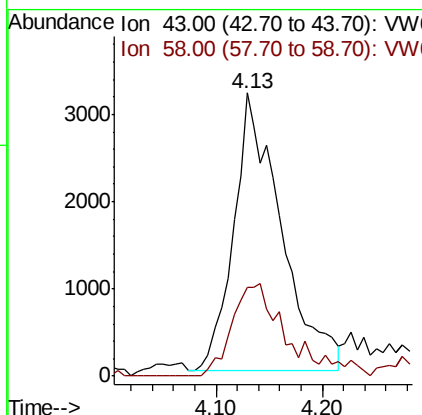
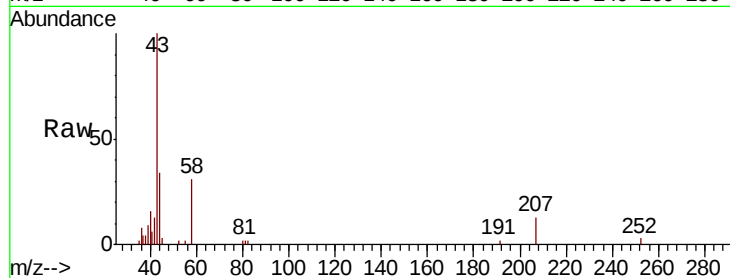




#16
Acetone
Concen: 6.281 ug/l
RT: 4.13 min Scan# 417
Delta R.T. -0.01 min
Lab File: VW004567.D
Acq: 09 Aug 2018 23:00

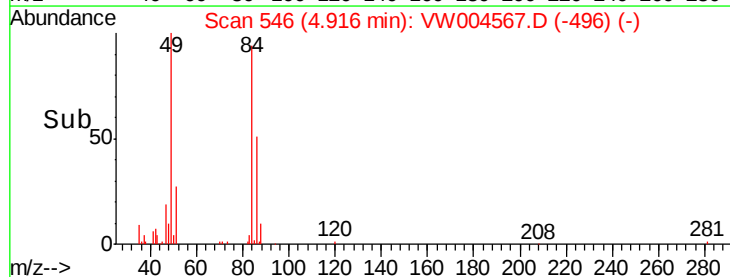
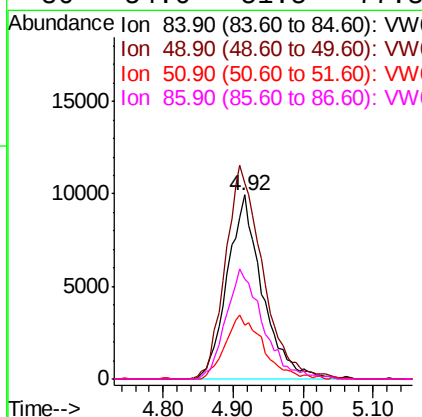
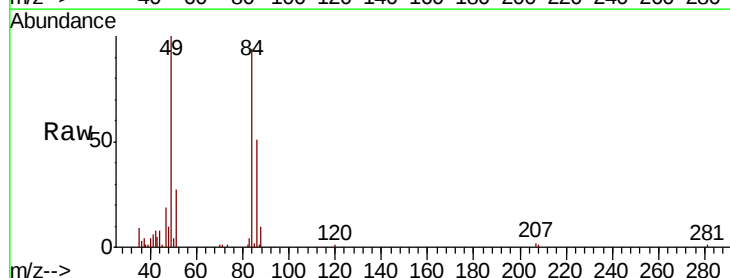
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBL01

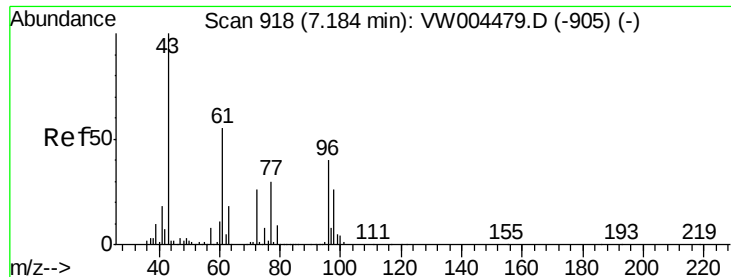
Tgt Ion: 43 Resp: 9965
Ion Ratio Lower Upper
43 100
58 31.9 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004567.D
Acq: 09 Aug 2018 23:00

Tgt Ion: 84 Resp: 34627
Ion Ratio Lower Upper
84 100
49 106.6 99.6 149.4
51 29.1 31.0 46.4#
86 54.6 51.5 77.3





#25

2-Butanone

Concen: 2.479 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.04 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

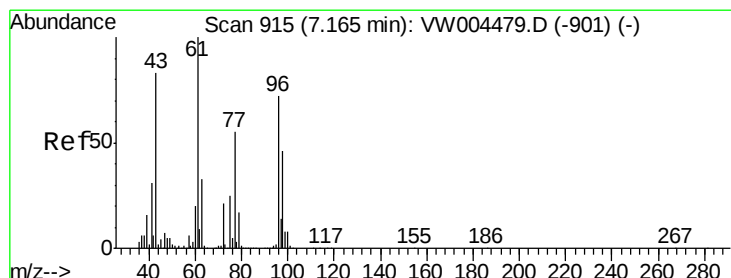
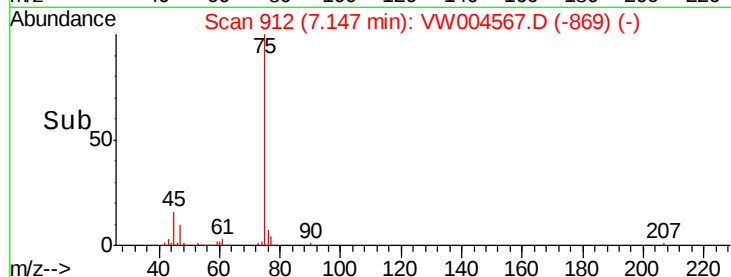
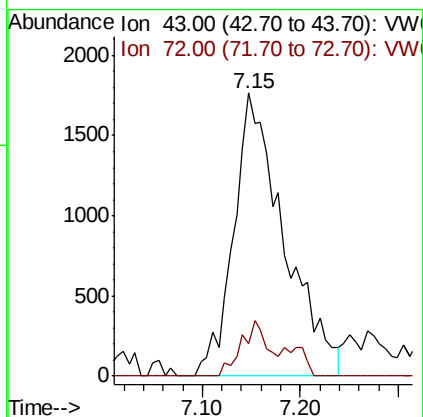
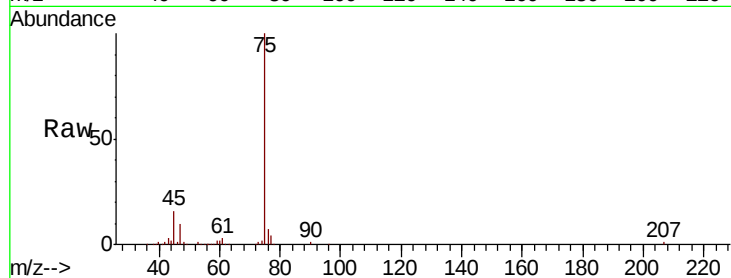
VW0812SBL01

Tgt Ion: 43 Resp: 6328

Ion Ratio Lower Upper

43 100

72 11.5 21.0 31.6#



#26

2,2-Dichloropropane

Concen: 1.005 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW004567.D

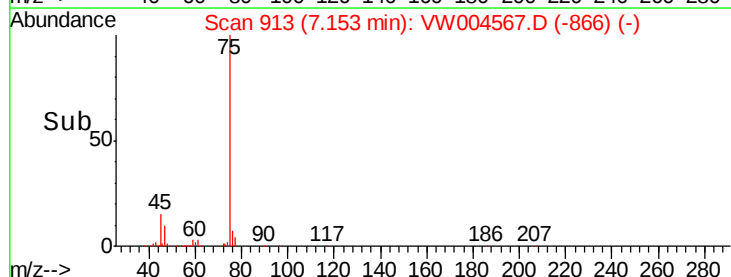
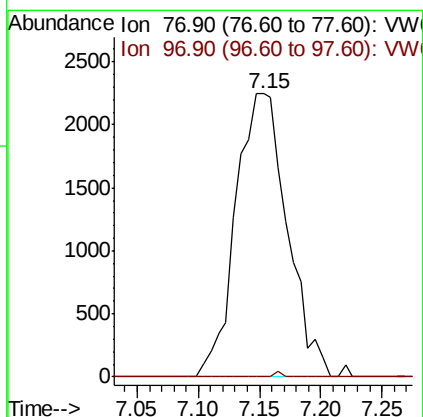
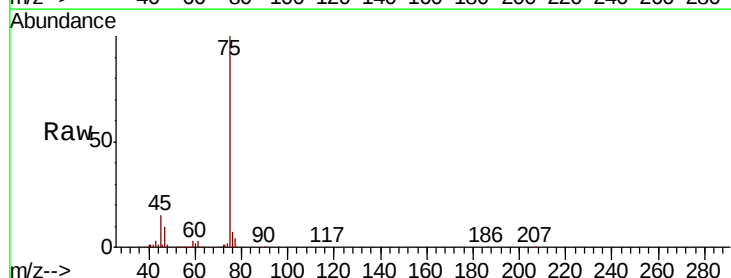
Acq: 09 Aug 2018 23:00

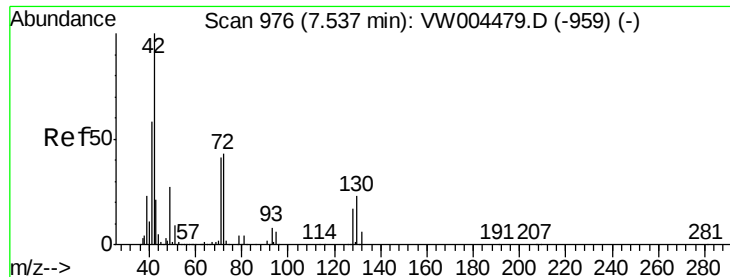
Tgt Ion: 77 Resp: 6563

Ion Ratio Lower Upper

77 100

97 0.3 12.5 37.5#





#29

Tetrahydrofuran

Concen: 1.099 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBL01

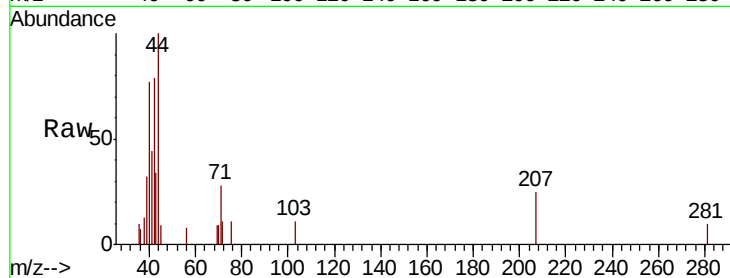
Tgt Ion: 42 Resp: 1450

Ion Ratio Lower Upper

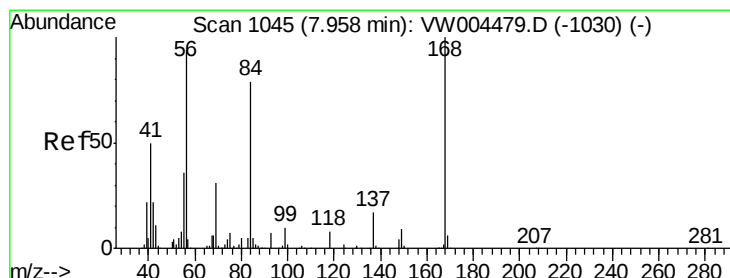
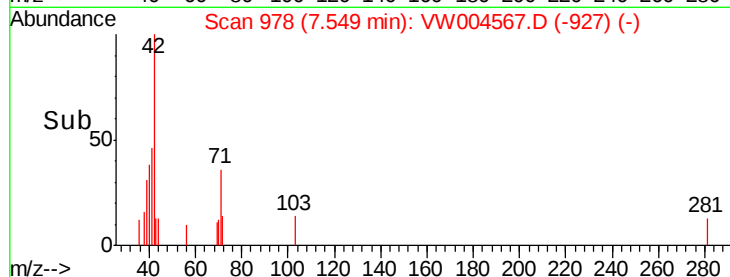
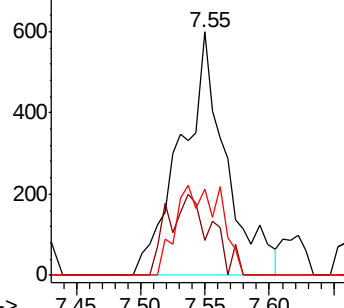
42 100

72 32.8 34.1 51.1#

71 37.1 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.041 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

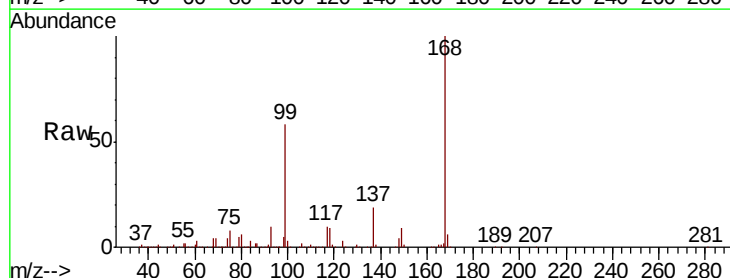
Tgt Ion: 56 Resp: 12392

Ion Ratio Lower Upper

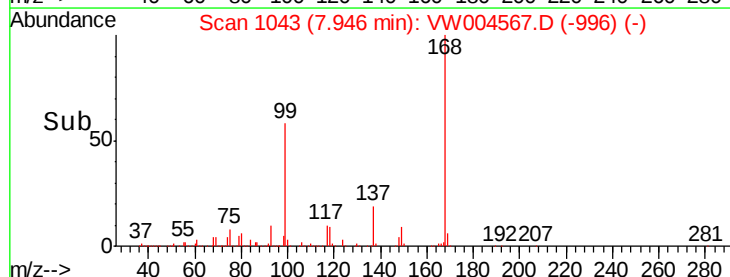
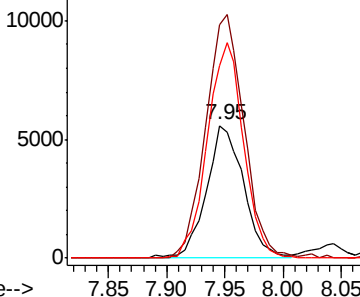
56 100

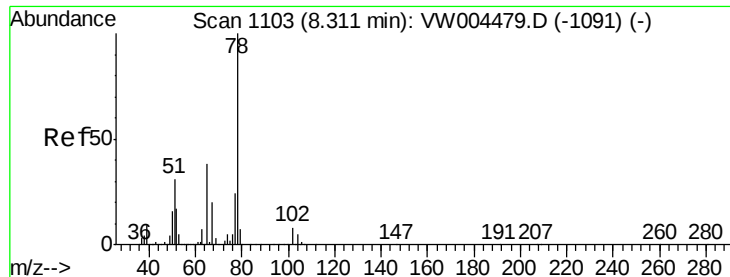
69 176.3 26.4 39.6#

84 144.9 66.9 100.3#



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

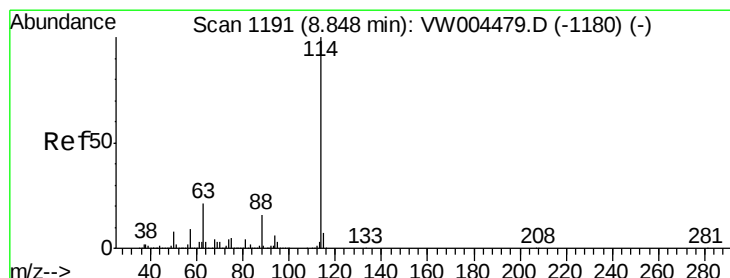
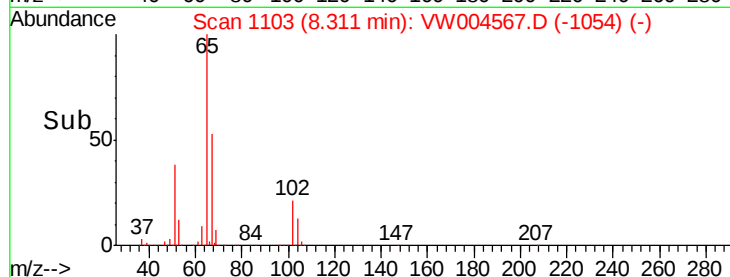
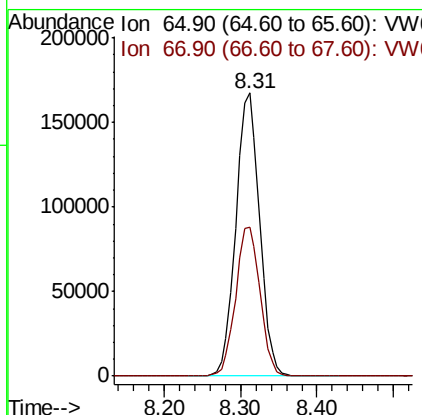
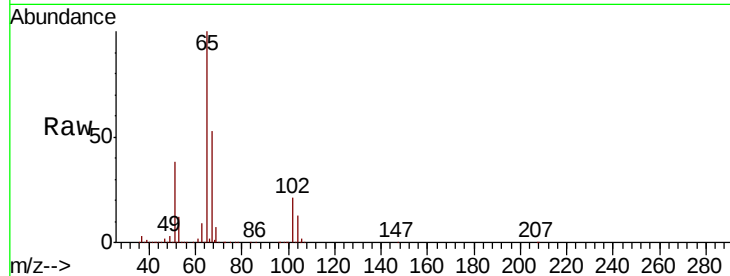




#33
 1,2-Dichloroethane-d4
 Concen: 56.573 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004567.D
 Acq: 09 Aug 2018 23:00

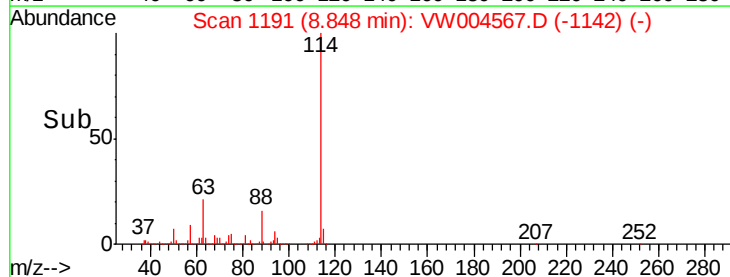
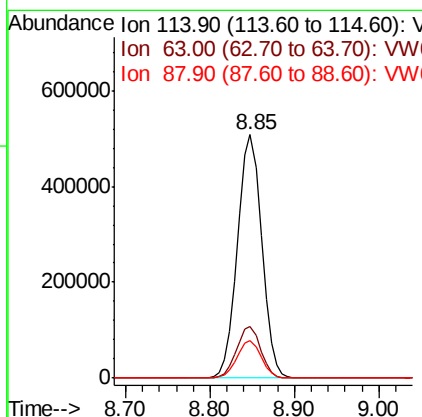
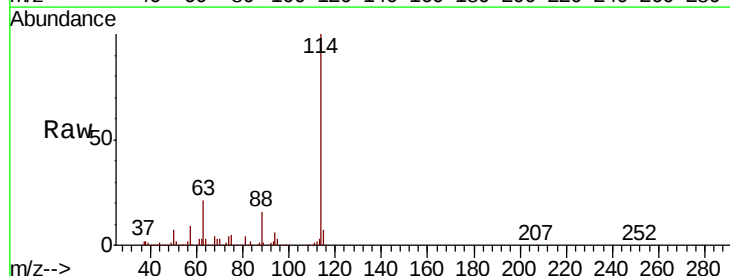
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBL01

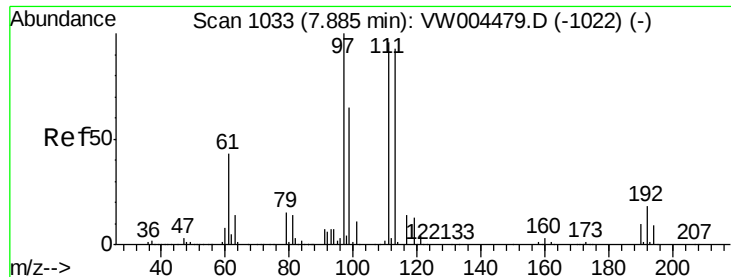
Tgt Ion: 65 Resp: 359426
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004567.D
 Acq: 09 Aug 2018 23:00

Tgt Ion: 114 Resp: 982119
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.4
 88 15.7 0.0 31.2

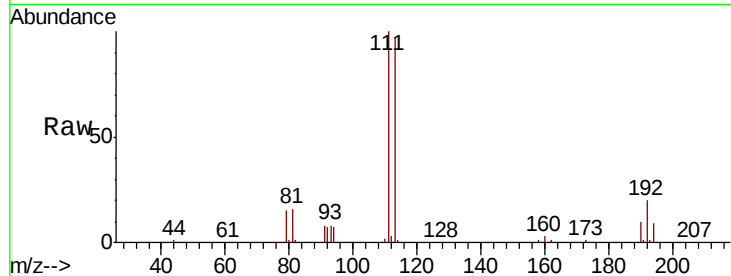




#35
 Dibromofluoromethane
 Concen: 52.062 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004567.D
 Acq: 09 Aug 2018 23:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBL01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	20.4	15.8	23.6

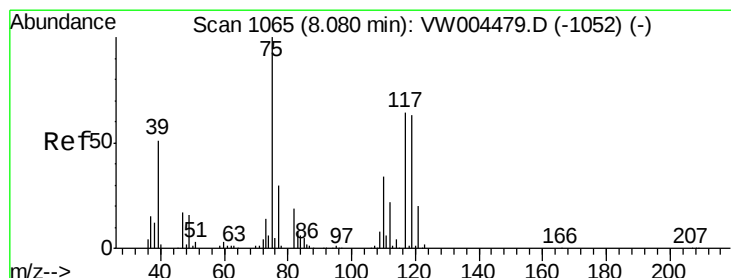
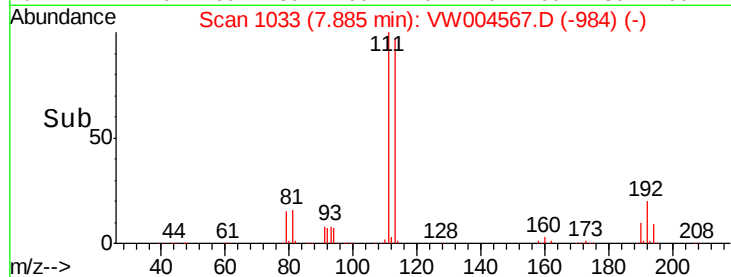
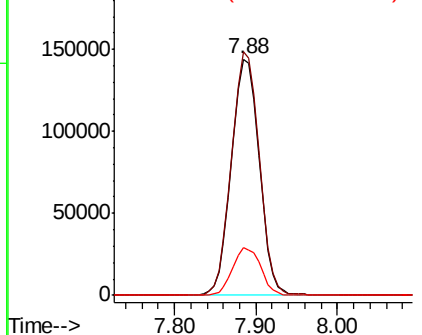


Abundance

Ion 112.80 (112.50 to 113.50): V

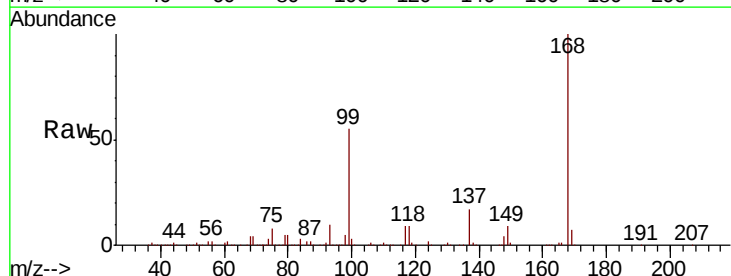
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.352 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004567.D
 Acq: 09 Aug 2018 23:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.4	52.2#
77	0.1	24.7	37.1#

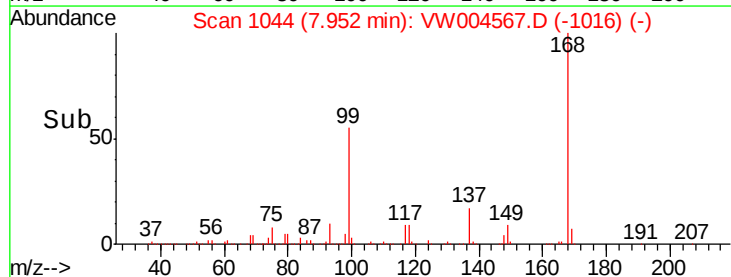
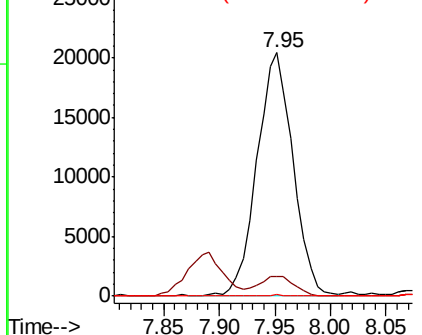


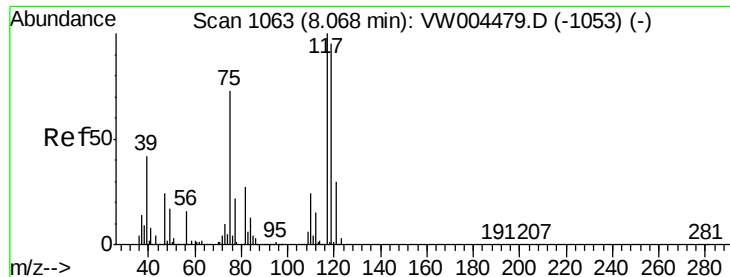
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.697 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBL01

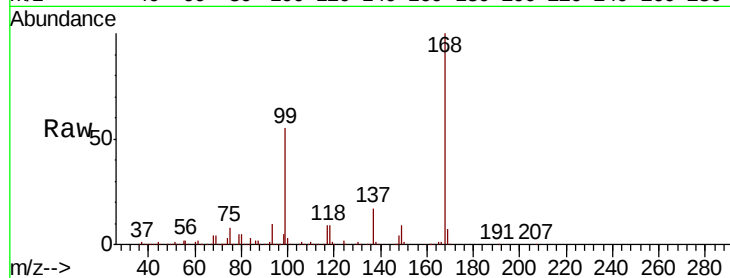
Tgt Ion:117 Resp: 54211

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

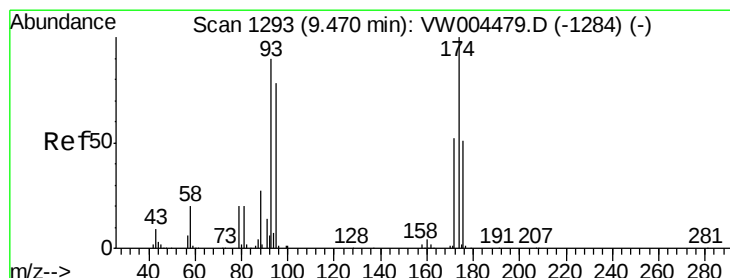
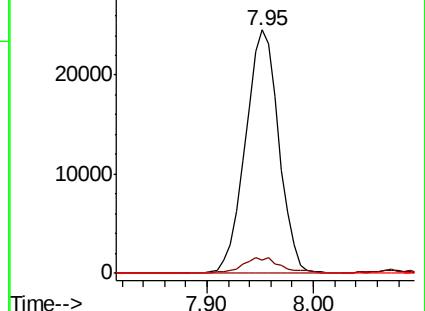
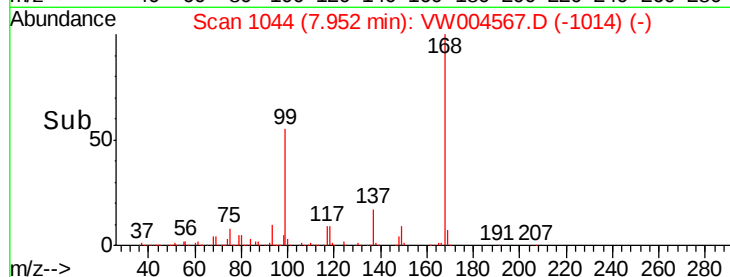
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.142 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

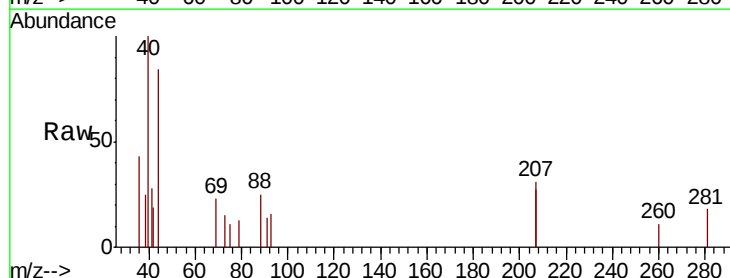
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 88.4 0.0 0.0#

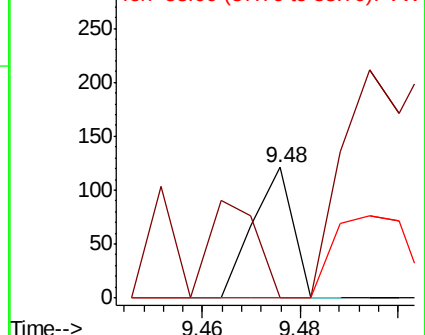
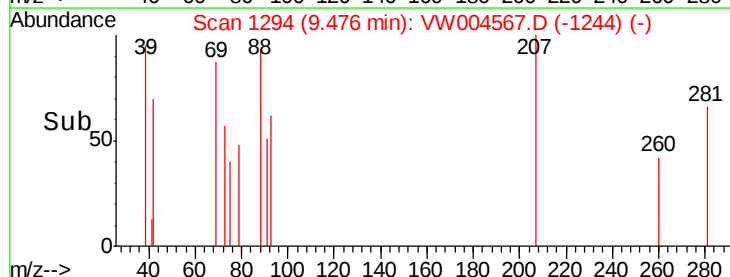
58 0.0 63.5 95.3#

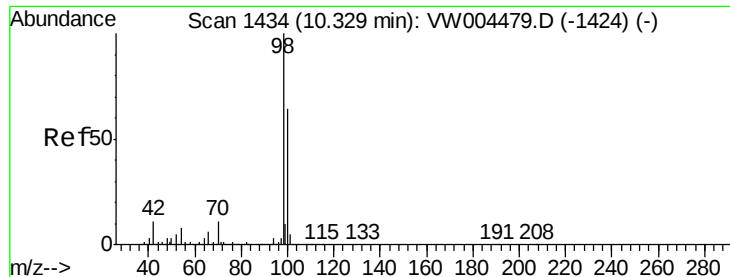


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.025 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

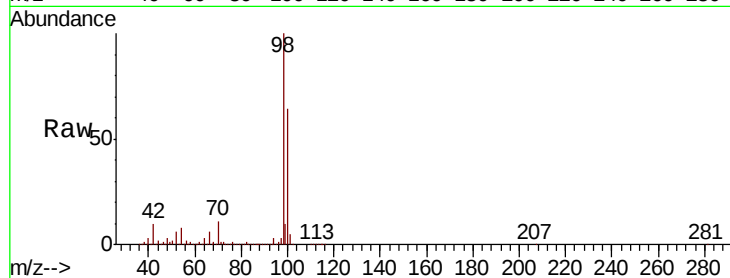
VW0812SBL01

Tgt Ion: 98 Resp: 1273842

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

800000

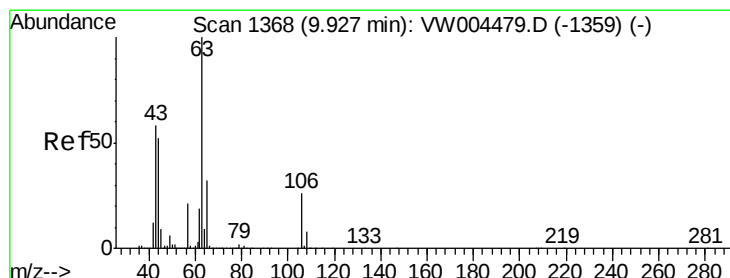
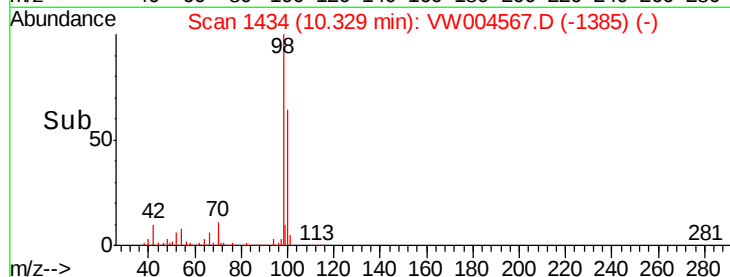
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 9.096 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004567.D

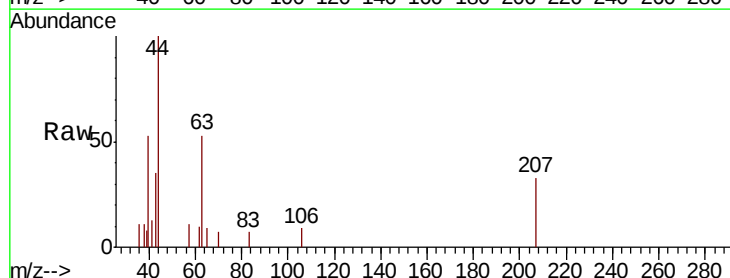
Acq: 09 Aug 2018 23:00

Tgt Ion: 63 Resp: 569

Ion Ratio Lower Upper

63 100

106 17.9 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

500

400

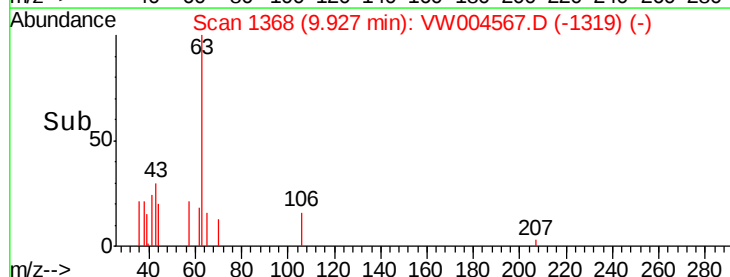
300

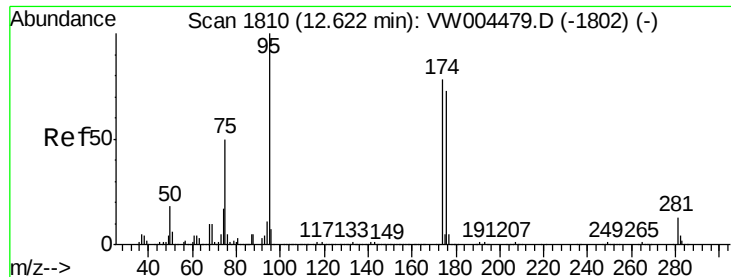
200

100

0

Time-->

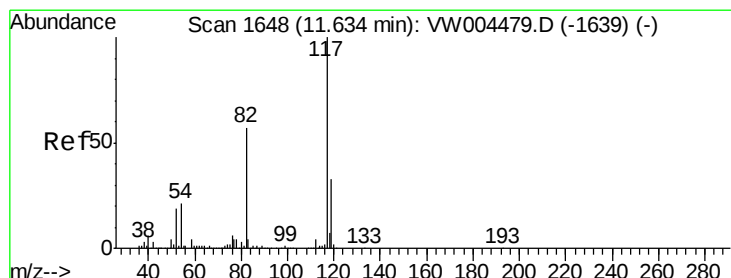
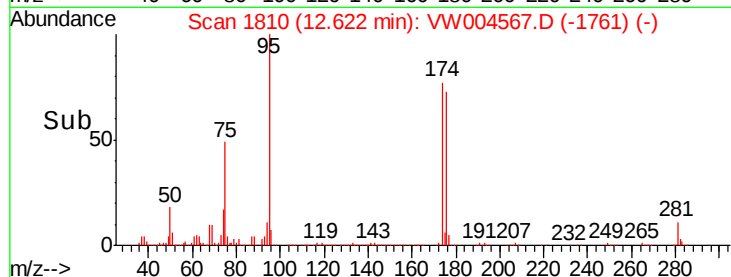
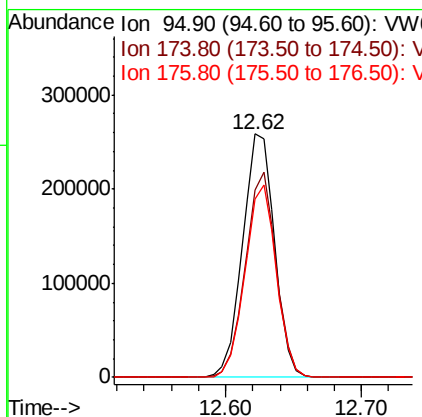
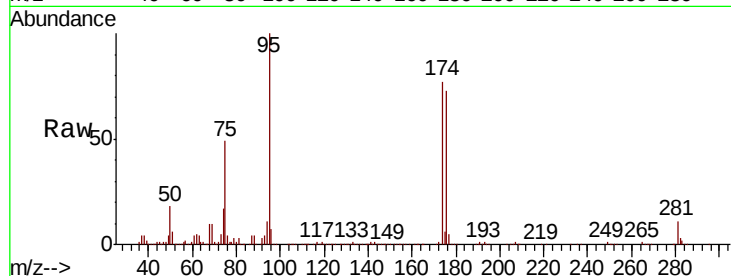




#62
4-Bromofluorobenzene
Concen: 47.257 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004567.D
Acq: 09 Aug 2018 23:00

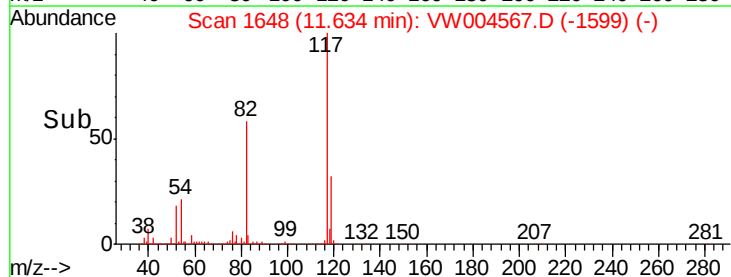
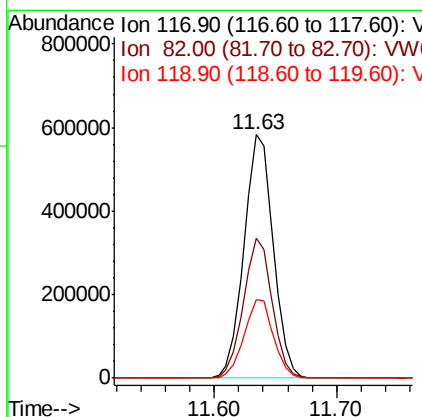
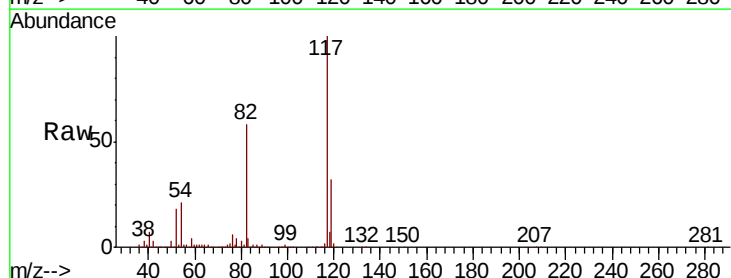
Instrument :
MSVOA_W
ClientSampleId :
VW0812SBL01

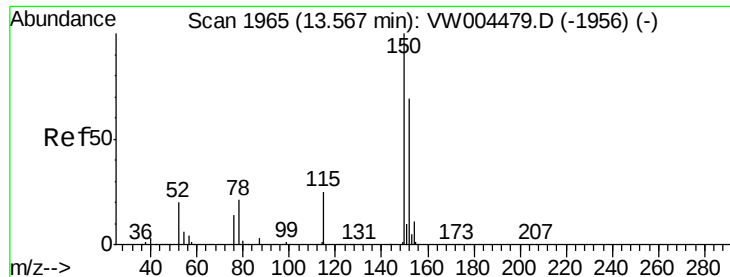
Tgt Ion: 95 Resp: 424977
Ion Ratio Lower Upper
95 100
174 81.6 0.0 160.4
176 77.7 0.0 153.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004567.D
Acq: 09 Aug 2018 23:00

Tgt Ion: 117 Resp: 968098
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 32.0 26.2 39.4



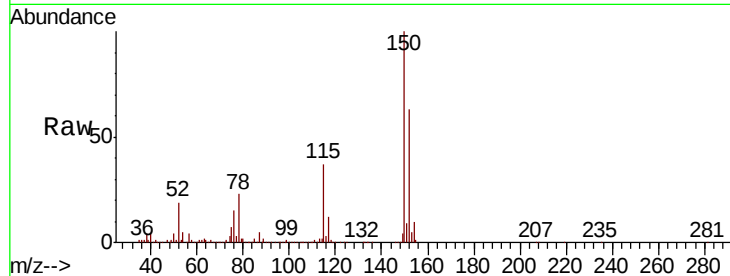


#72

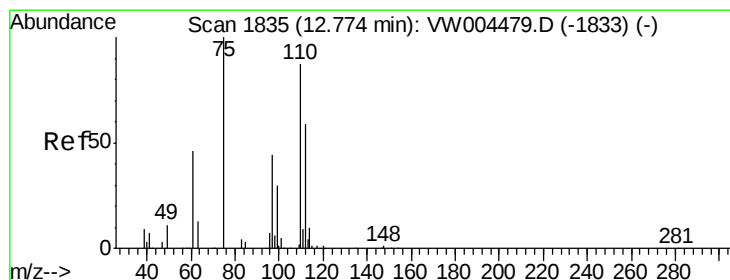
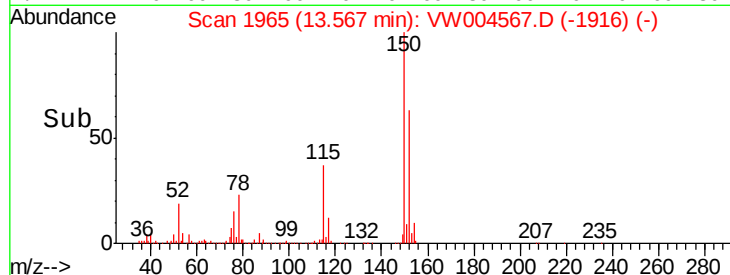
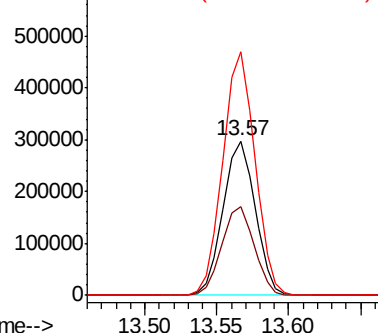
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004567.D
Acq: 09 Aug 2018 23:00

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBL01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.1	87.3
150	157.2	0.0	349.6



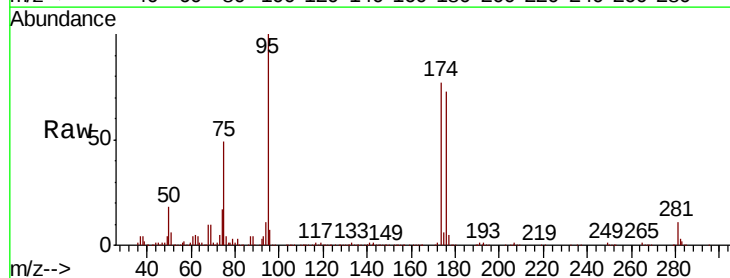
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



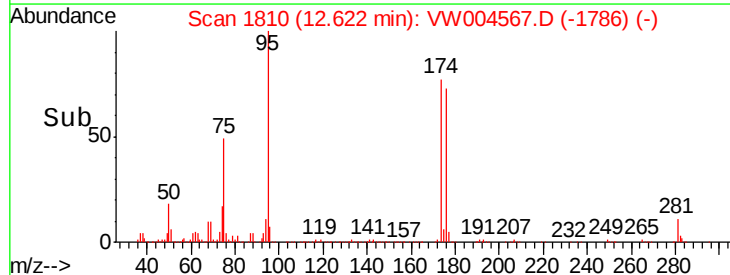
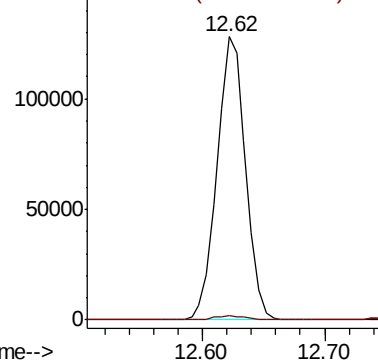
#76

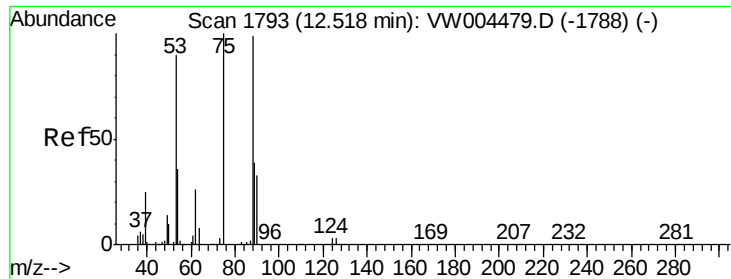
1,2,3-Trichloropropane
Concen: 43.421 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004567.D
Acq: 09 Aug 2018 23:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	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: 103.944 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBL01

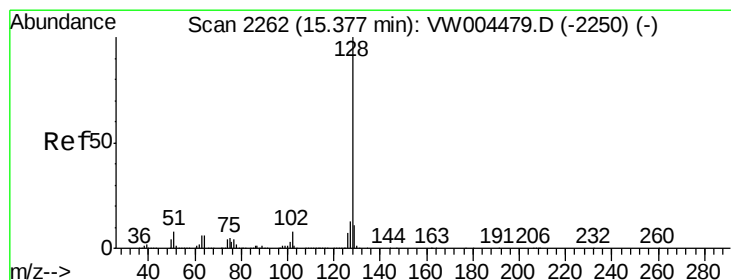
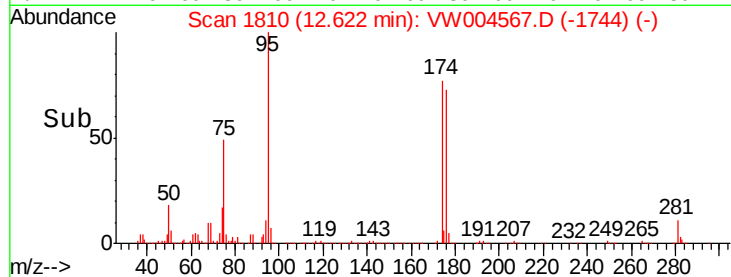
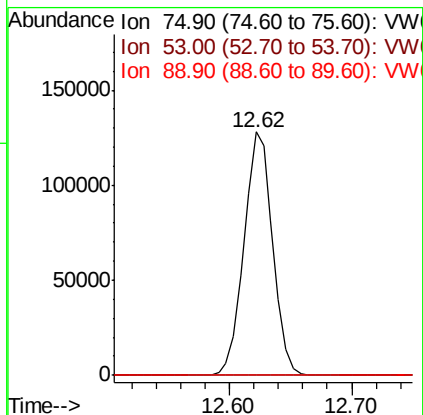
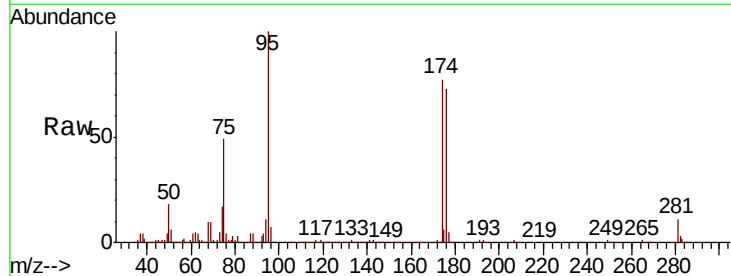
Tgt Ion: 75 Resp: 206920

Ion Ratio Lower Upper

75 100

53 0.2 74.4 111.6#

89 0.1 35.9 53.9#



#95

Naphthalene

Concen: 3.078 ug/l

RT: 15.37 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VW004567.D

Acq: 09 Aug 2018 23:00

Tgt Ion: 128 Resp: 3563

Ion Ratio Lower Upper

128 100

127 16.2 10.3 15.5#

129 11.1 8.6 13.0

