

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003878.D
 Acq On : 11 Jul 2018 21:51
 Operator : SY/AP
 Sample : J3881-06RE
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:56:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	302426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	88680	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	116398	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	7.88	113	99557	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	10.33	98	338884	41.86	ug/l	0.00
Spiked Amount			Recovery	=	83.72%	
62) 4-Bromofluorobenzene	12.62	95	92944	31.73	ug/l	0.00
Spiked Amount			Recovery	=	63.46%	

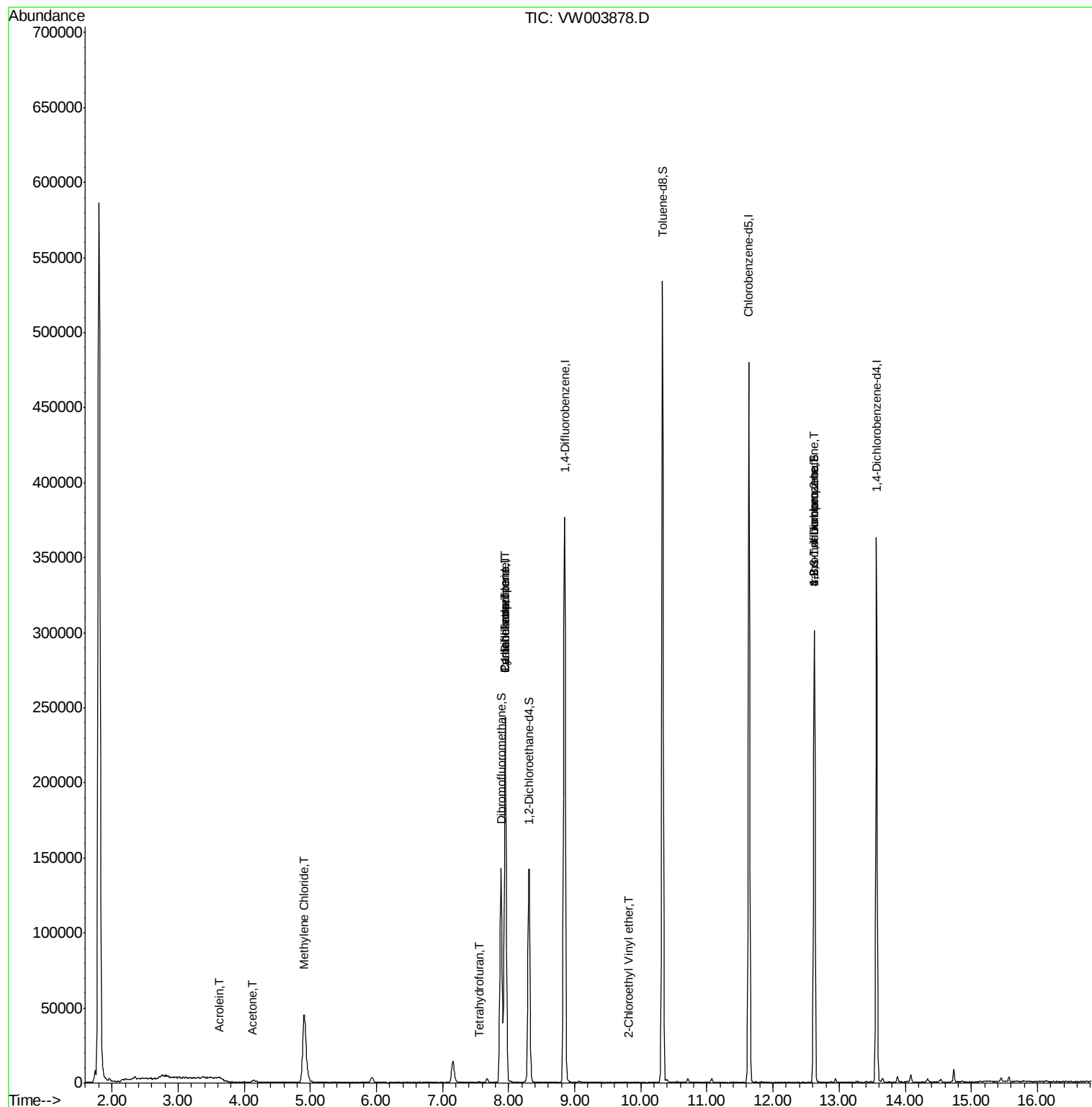
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	23	4.852	ug/l	87
16) Acetone	4.13	43	2723	6.865	ug/l	97
20) Methylene Chloride	4.91	84	38784	17.185	ug/l	97
29) Tetrahydrofuran	7.56	42	433	1.084	ug/l #	57
31) Cyclohexane	7.95	56	4625	1.386	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	15301	4.768	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17851	5.851	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.81	63	20	13.185	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	51043	58.615	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51043	143.385	ug/l #	8

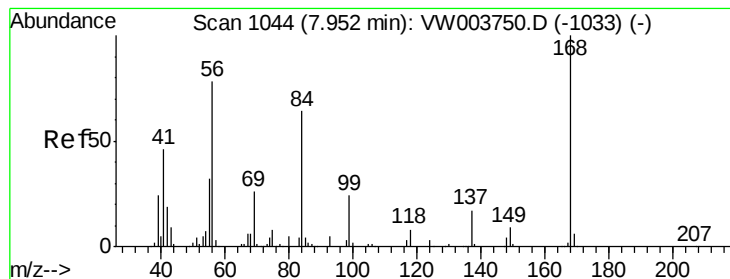
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 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: VW003878.D

Acq: 11 Jul 2018 21:51

Instrument :

MSVOA_W

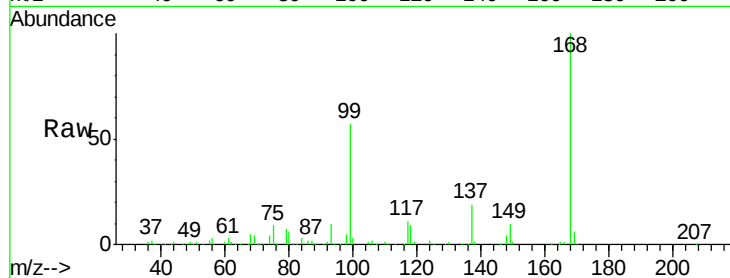
ClientSampled :

Tot Ion:168 Resp: 174834

Ion Ratio Lower Upper

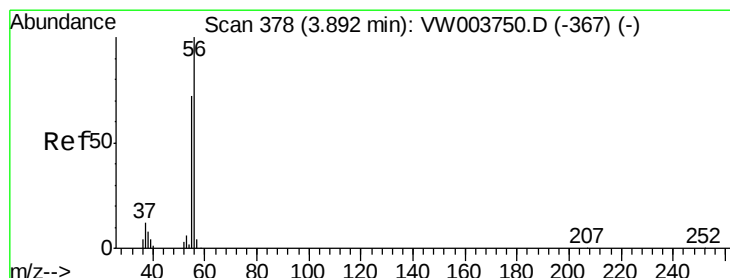
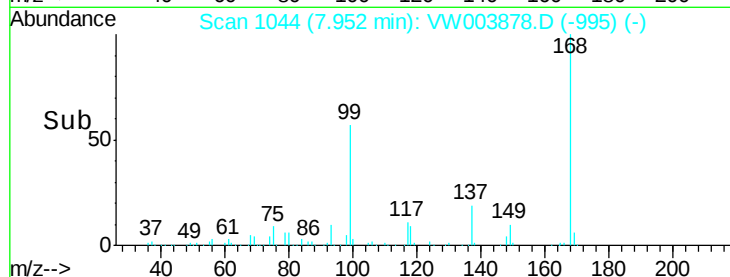
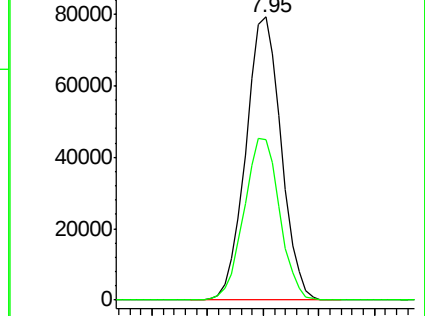
168 100

99 56.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 4.852 ug/l

RT: 3.61 min Scan# 332

Delta R.T. -0.28 min

Lab File: VW003878.D

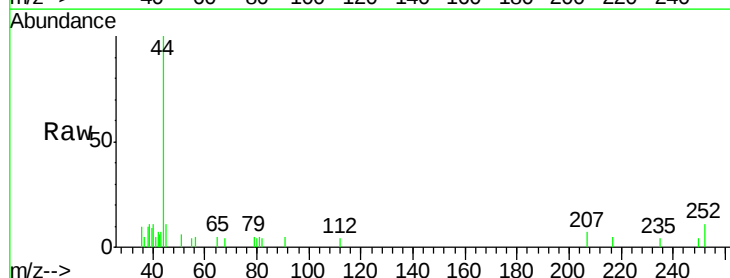
Acq: 11 Jul 2018 21:51

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

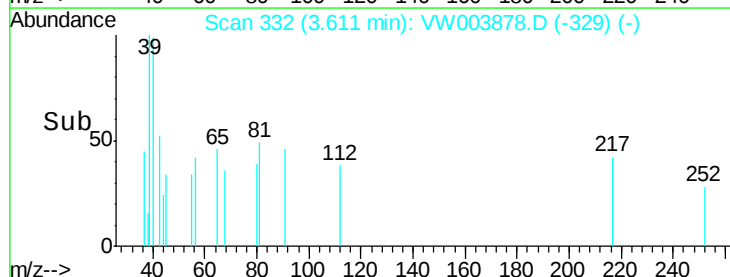
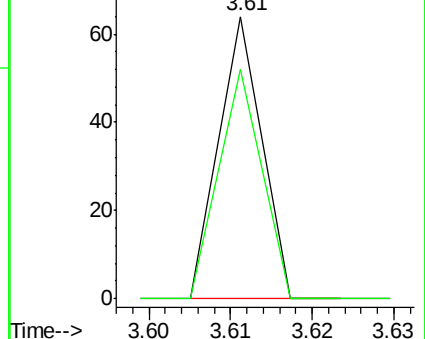
56 100

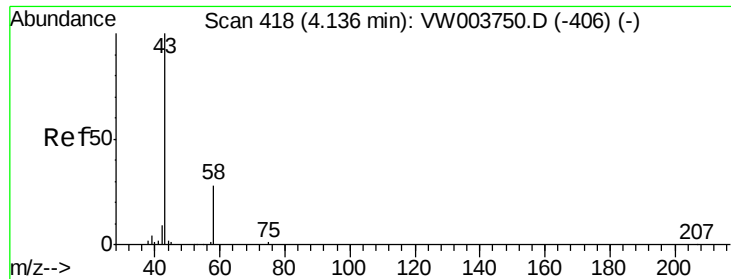
55 82.6 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

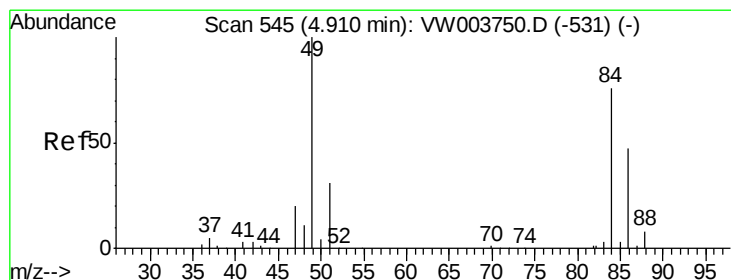
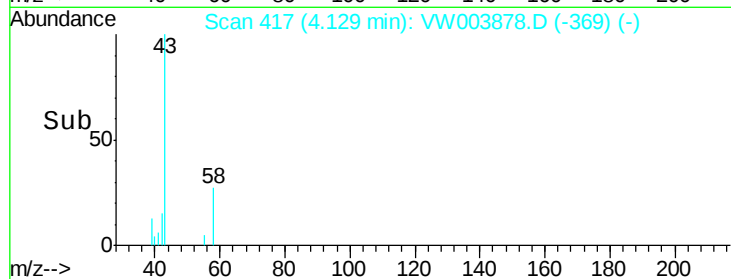
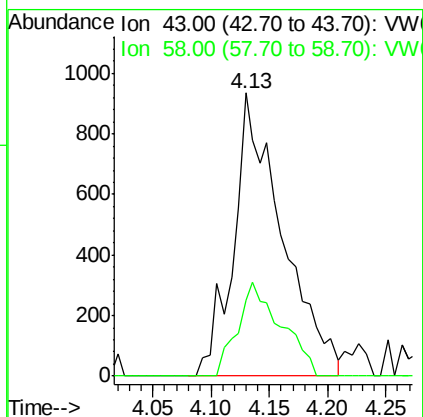
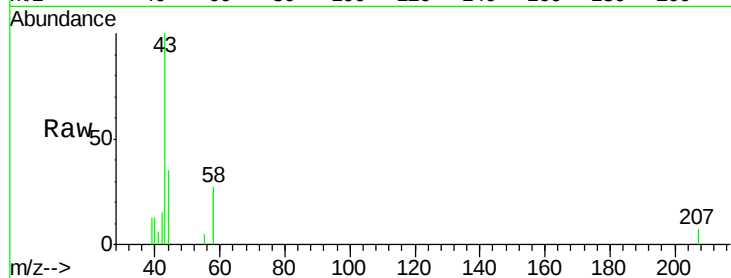




#16
Acetone
Concen: 6.865 ug/l
RT: 4.13 min Scan# 417
Delta R.T. -0.01 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

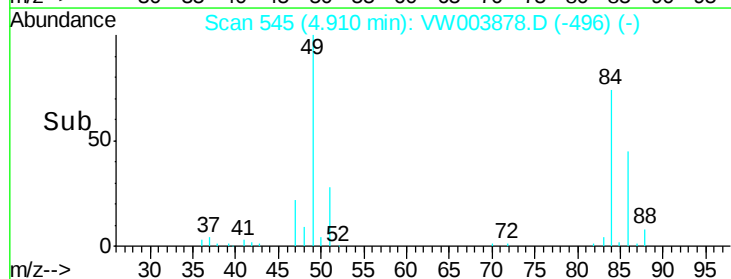
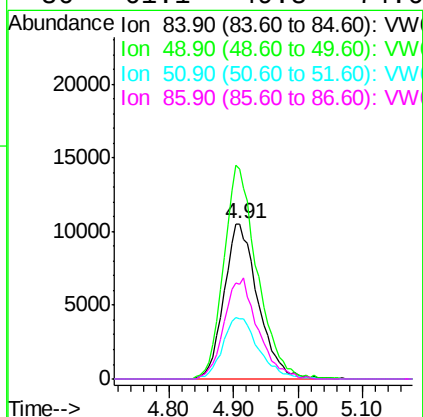
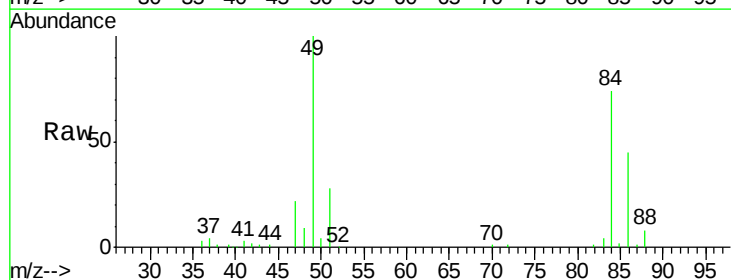
Instrument :
MSVOA_W
ClientSampled :

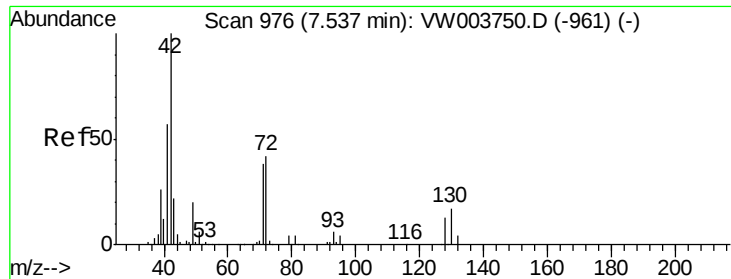
Tot Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
58 27.0 22.6 34.0



#20
Methylene Chloride
Concen: 17.185 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

Tgt Ion: 84 Resp: 38784
Ion Ratio Lower Upper
84 100
49 135.4 105.1 157.7
51 38.4 32.5 48.7
86 61.1 49.8 74.6

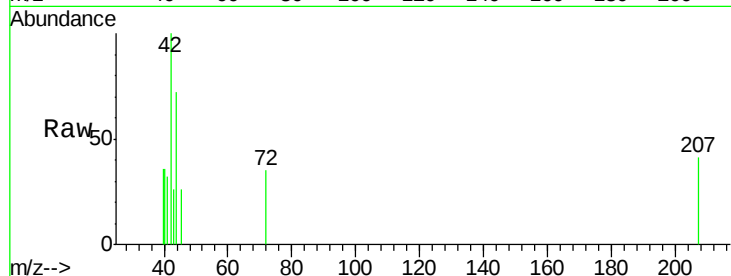




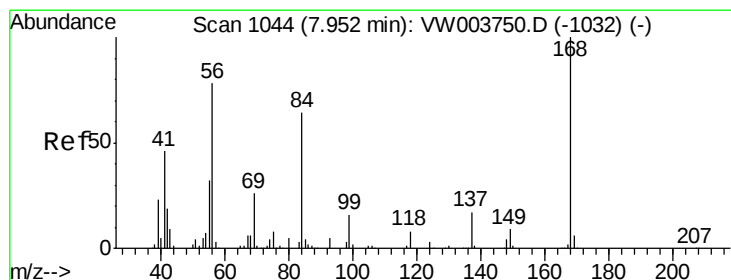
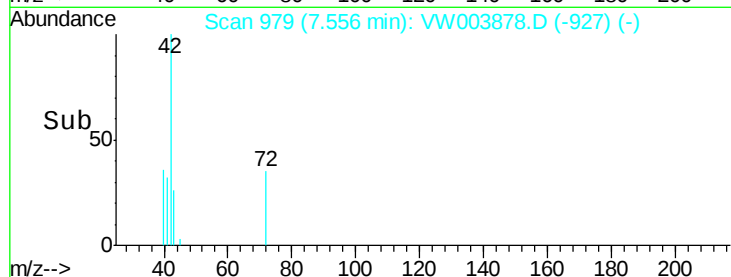
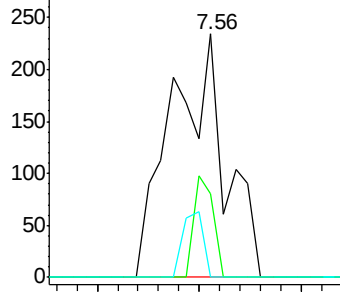
#29
Tetrahydrofuran
Concen: 1.084 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	15.0	31.8	47.8#
71	10.2	30.3	45.5#

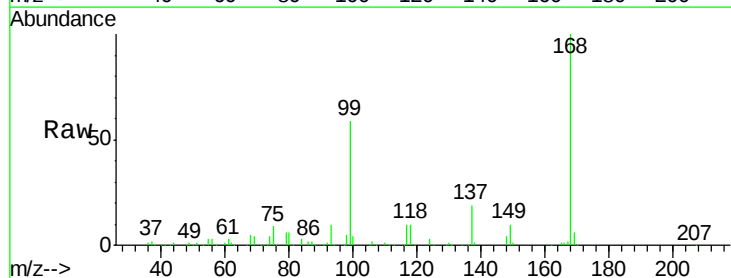


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

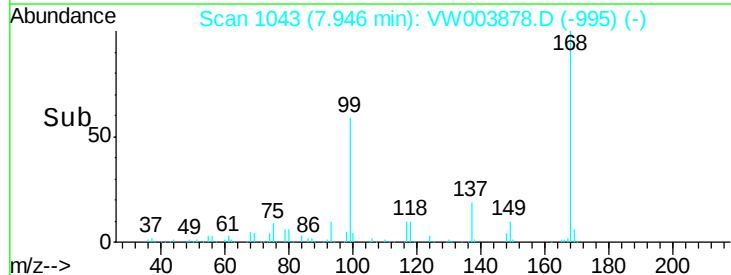
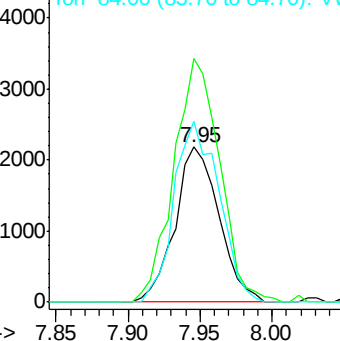


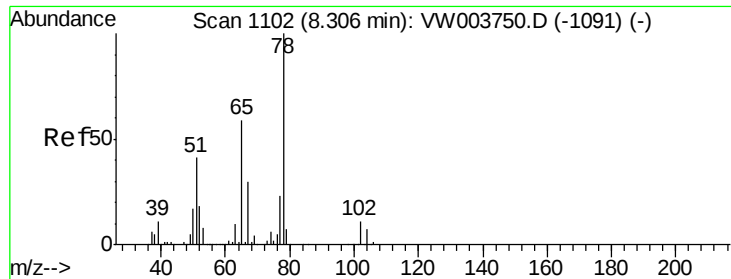
#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	157.2	26.2	39.4#
84	116.7	65.5	98.3#



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: 50.910 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003878.D

Acq: 11 Jul 2018 21:51

Instrument :

MSVOA_W

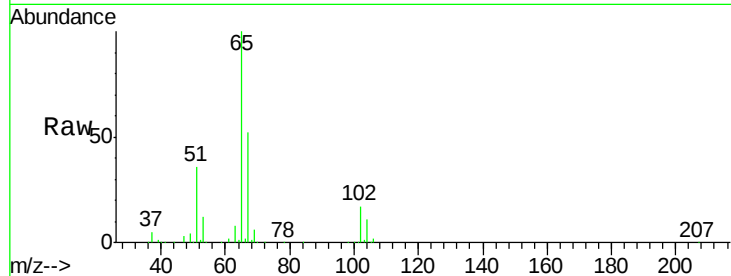
ClientSampleId :

Tot Ion: 65 Resp: 116398

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

50000

40000

30000

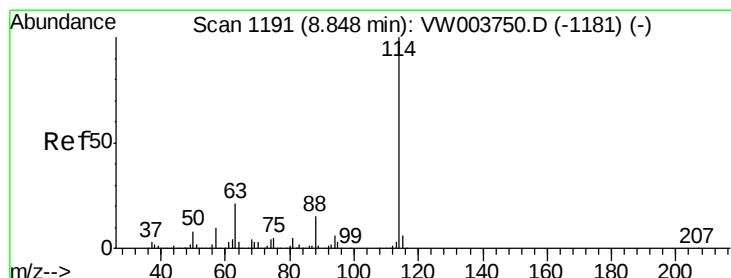
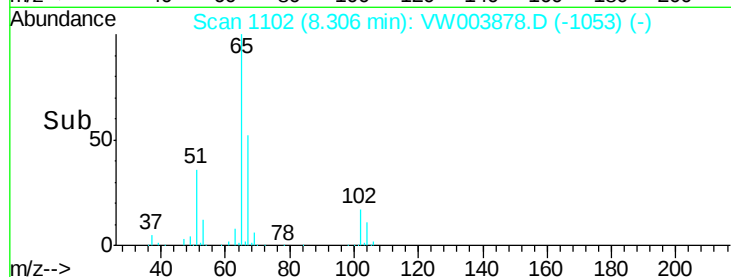
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003878.D

Acq: 11 Jul 2018 21:51

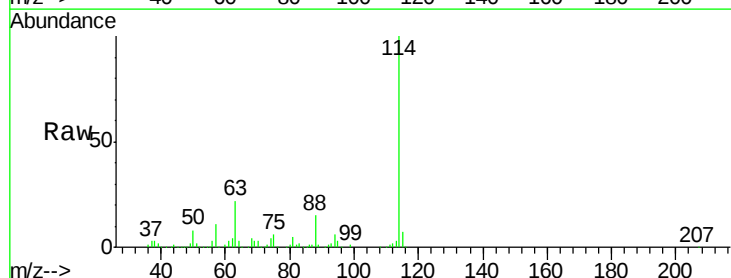
Tgt Ion: 114 Resp: 302426

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 15.3 0.0 30.2



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

8.85

200000

150000

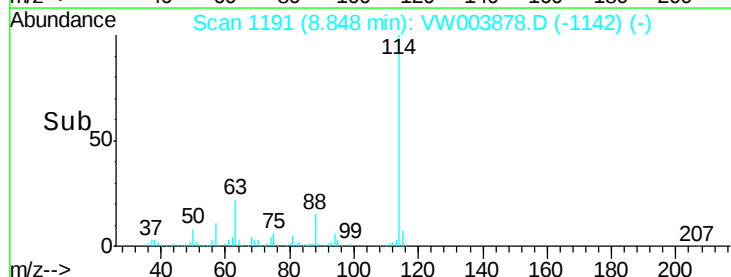
100000

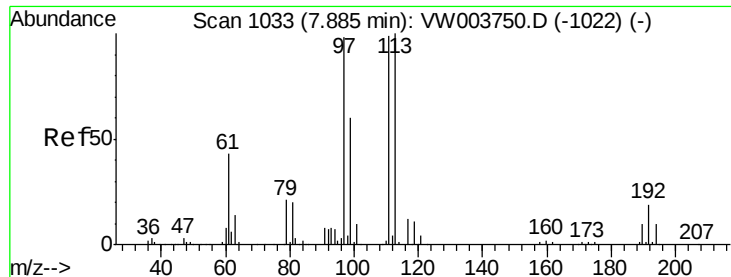
50000

0

8.70 8.80 8.90

Time-->

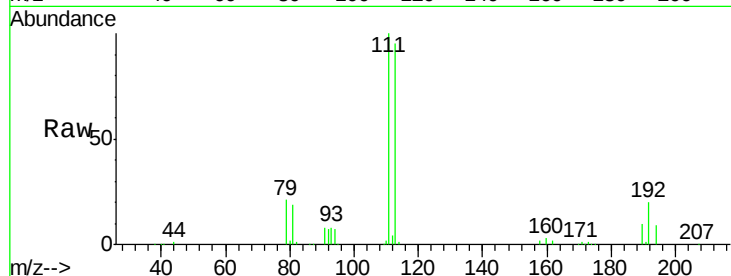




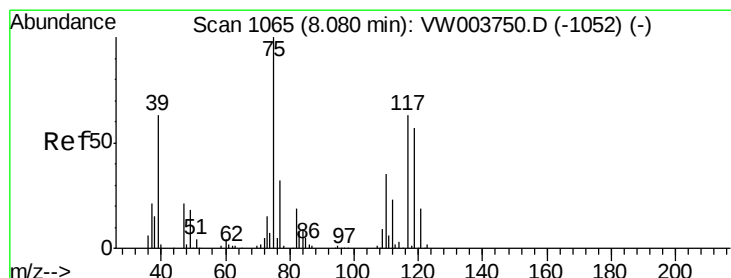
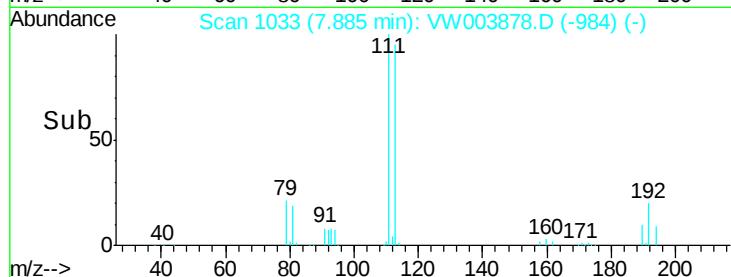
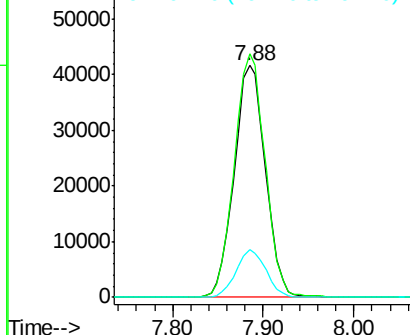
#35
 Dibromofluoromethane
 Concen: 47.036 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003878.D
 Acq: 11 Jul 2018 21:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 99557
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.7 122.5
 192 19.7 15.8 23.8

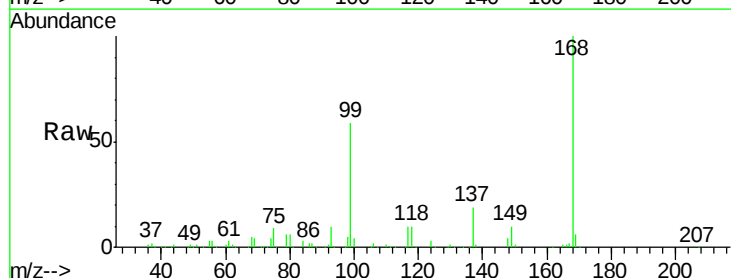


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

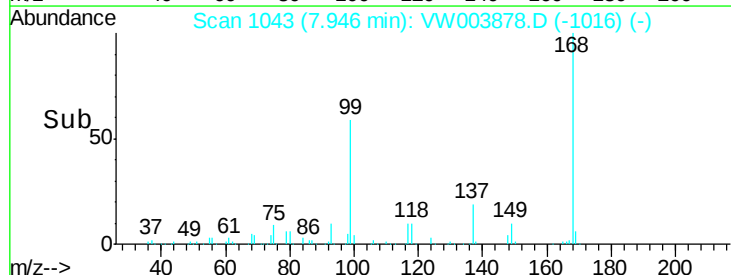
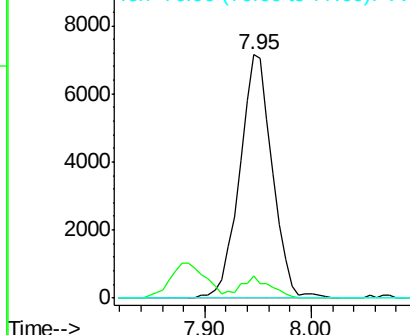


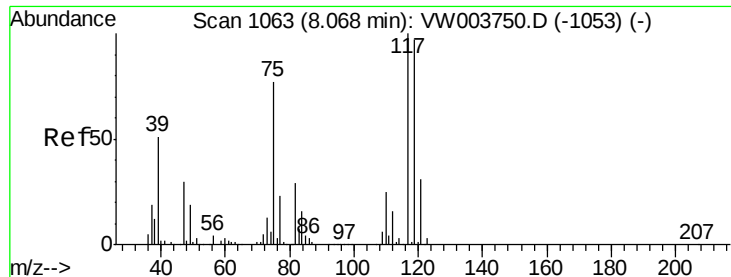
#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003878.D
 Acq: 11 Jul 2018 21:51

Tgt Ion: 75 Resp: 15301
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.9 50.6#
 77 0.0 24.8 37.2#



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

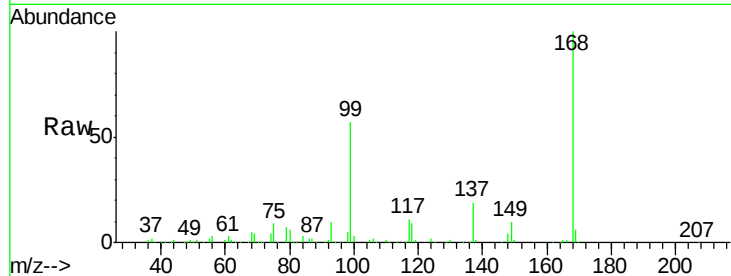




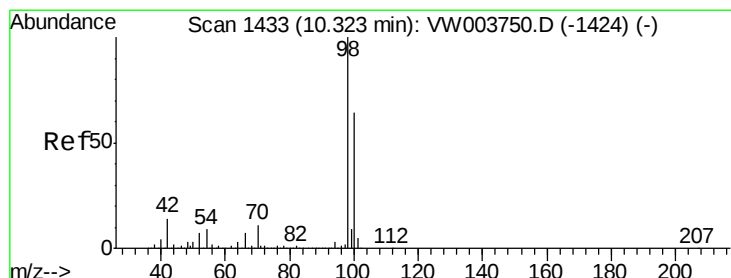
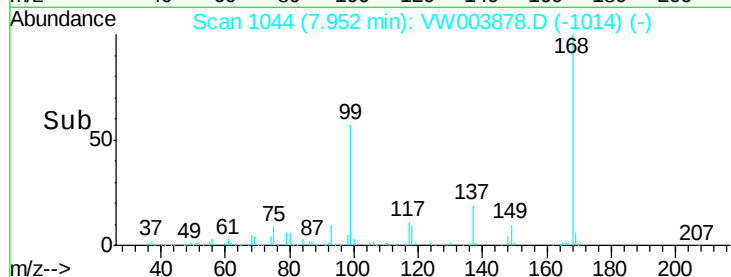
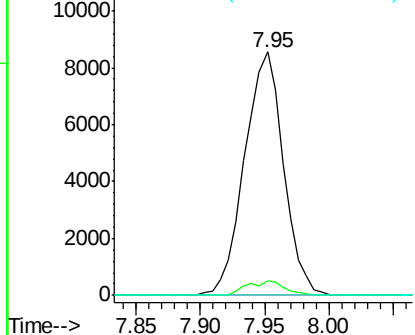
#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 17851
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.2#
121 0.0 24.6 37.0#

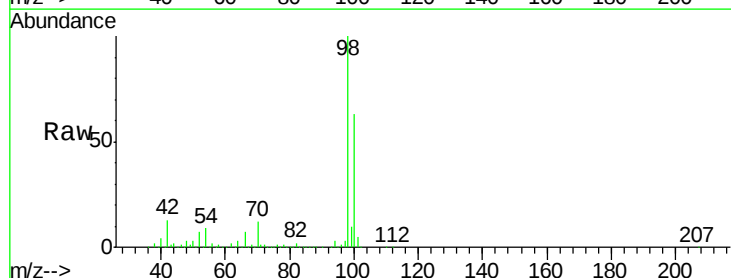


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

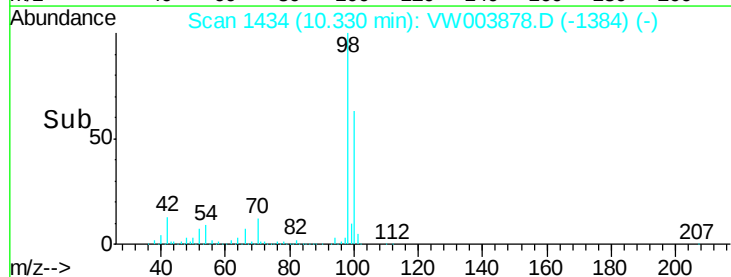
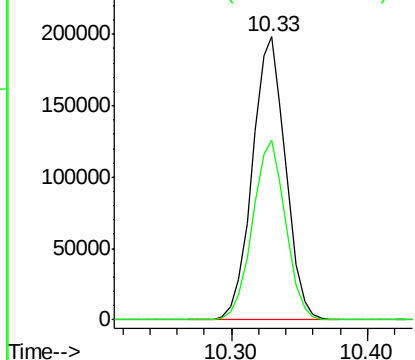


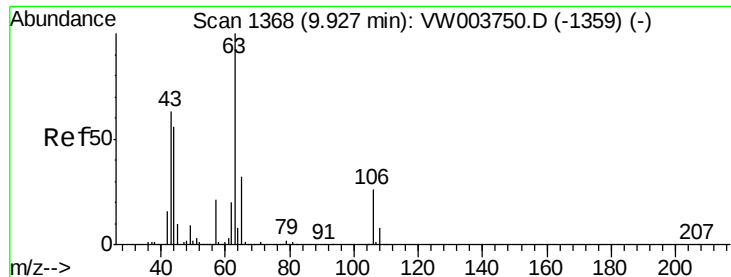
#50
Toluene-d8
Concen: 41.855 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

Tgt Ion: 98 Resp: 338884
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

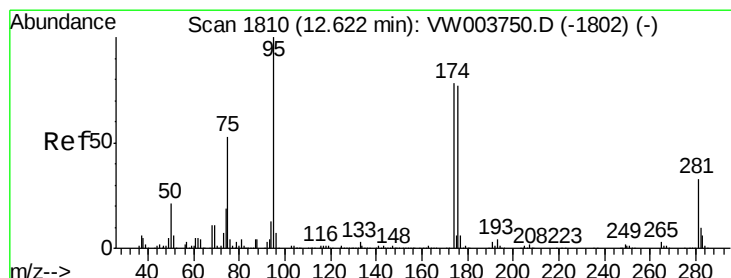
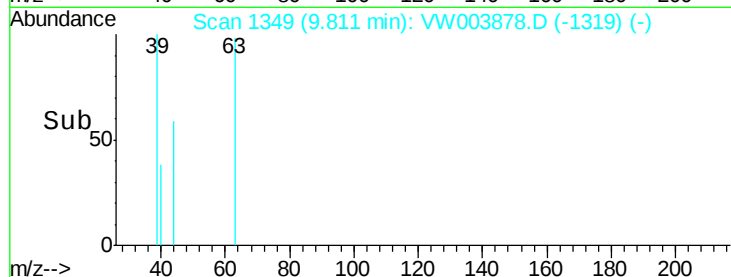
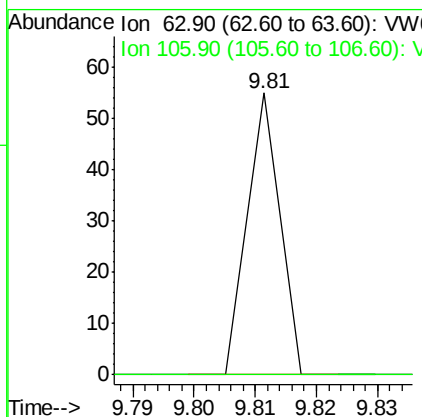
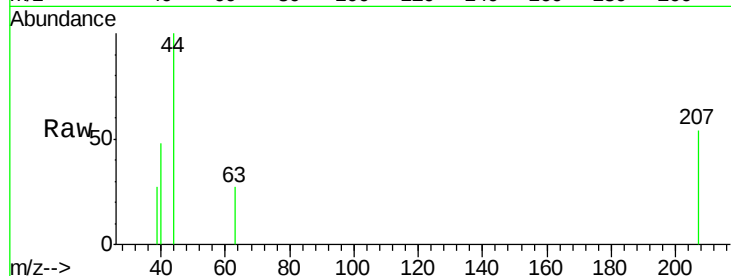




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.185 ug/l
 RT: 9.81 min Scan# 1349
 Delta R.T. -0.12 min
 Lab File: VW003878.D
 Acq: 11 Jul 2018 21:51

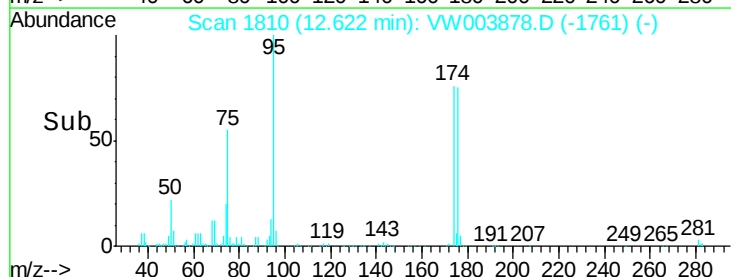
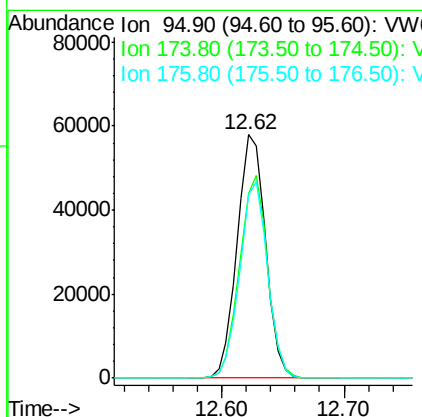
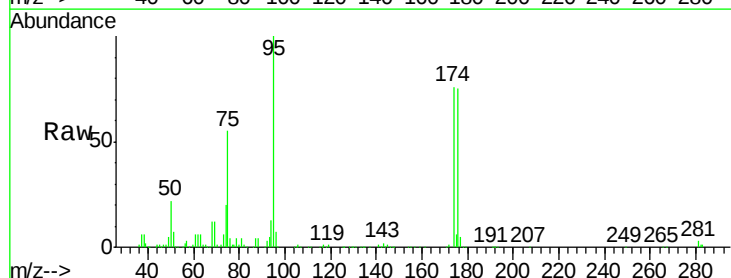
Instrument :
 MSVOA_W
 ClientSampleId :

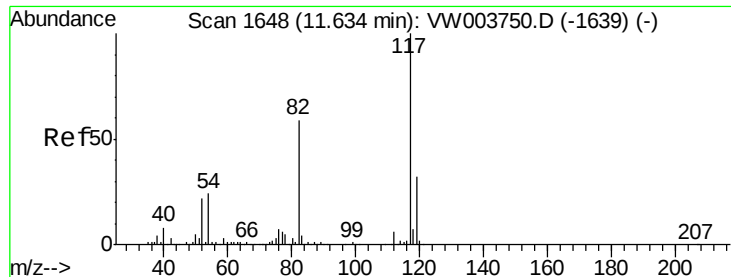
Tot Ion: 63 Resp: 20
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 31.727 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003878.D
 Acq: 11 Jul 2018 21:51

Tgt Ion: 95 Resp: 92944
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 163.4
 176 79.3 0.0 156.8

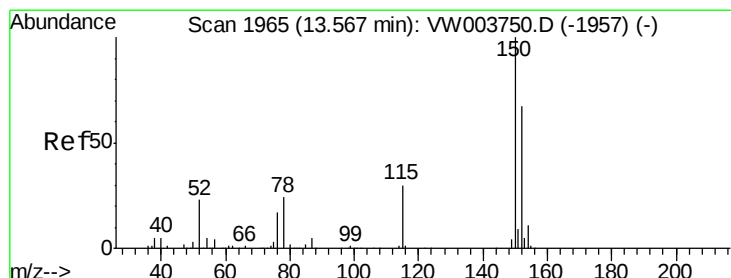
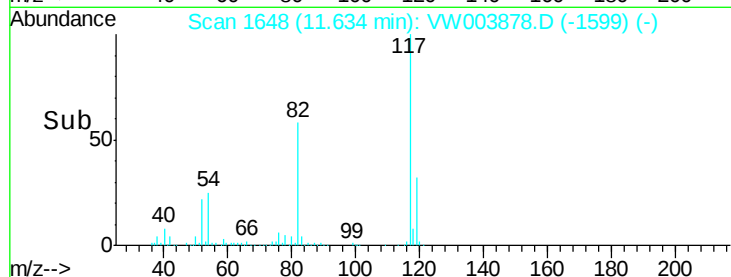
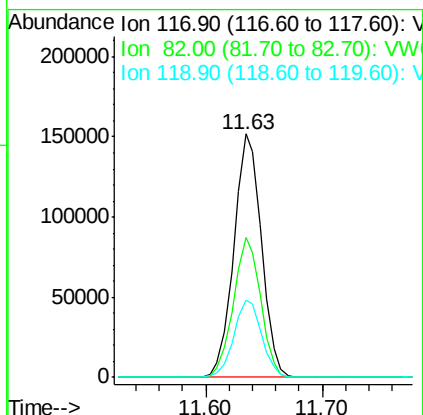
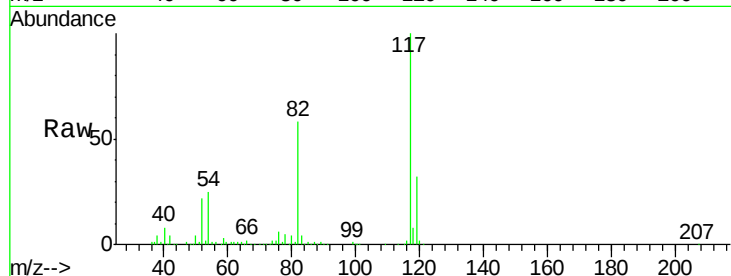




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

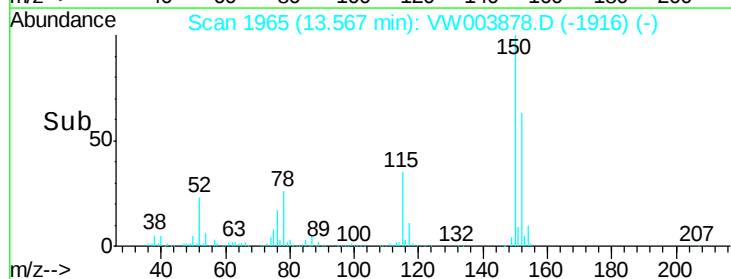
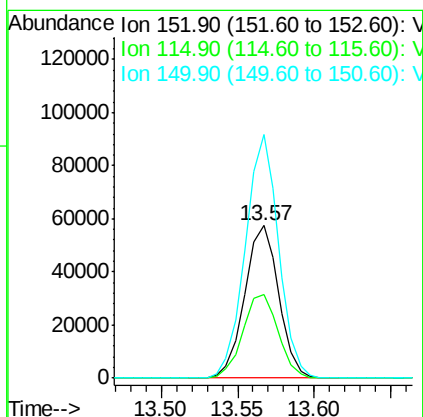
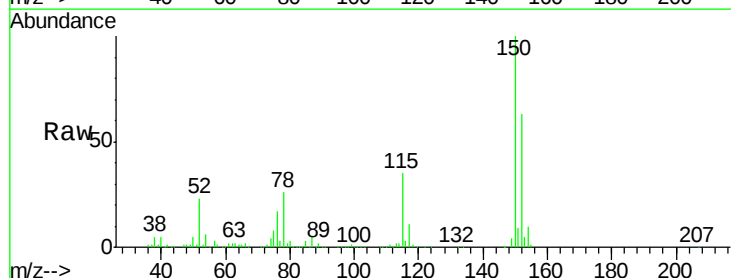
Instrument :
MSVOA_W
ClientSampleId :

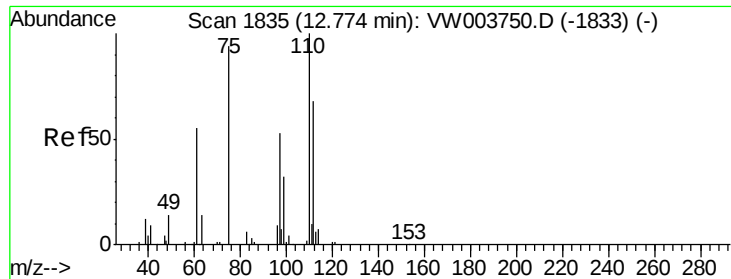
Tot Ion:117 Resp: 250589
Ion Ratio Lower Upper
117 100
82 57.6 46.9 70.3
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003878.D
Acq: 11 Jul 2018 21:51

Tgt Ion:152 Resp: 88680
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.8
150 156.2 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 58.615 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003878.D

Acq: 11 Jul 2018 21:51

Instrument :

MSVOA_W

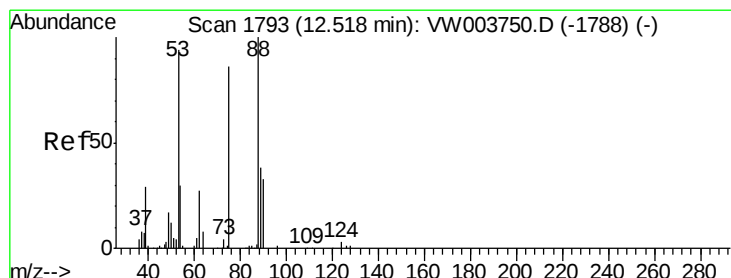
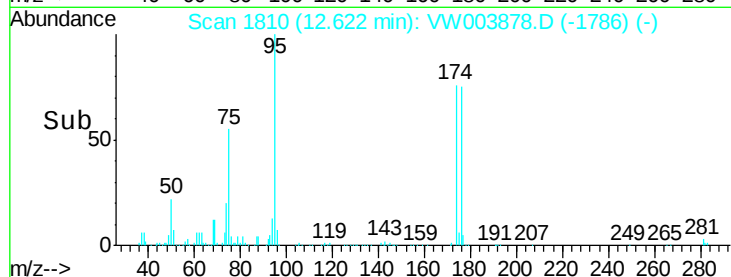
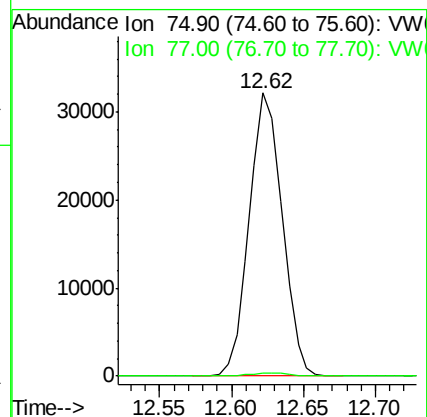
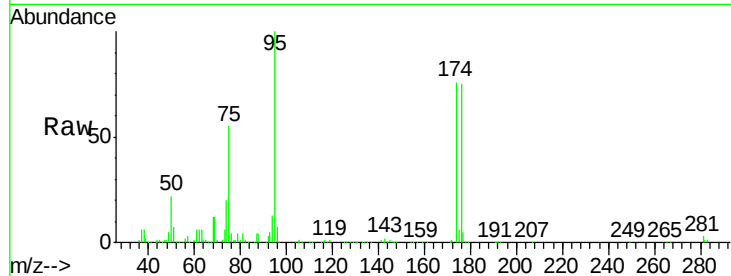
ClientSampleId :

Tot Ion: 75 Resp: 51043

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.385 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003878.D

Acq: 11 Jul 2018 21:51

Tgt Ion: 75 Resp: 51043

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 36.3 54.5#

