

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
 Data File : VW003594.D
 Acq On : 27 Jun 2018 03:06
 Operator : SY/AP
 Sample : J3680-02
 Misc : 10.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-E6-F6-E6A-F6A

Quant Time: Jun 27 07:57:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	144704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	248797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	228222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	111569	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	73114	46.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.30%	
35) Dibromofluoromethane	7.88	113	64447	41.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.38%	
50) Toluene-d8	10.33	98	192229	31.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.72%	
62) 4-Bromofluorobenzene	12.62	95	72318	33.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.68%	

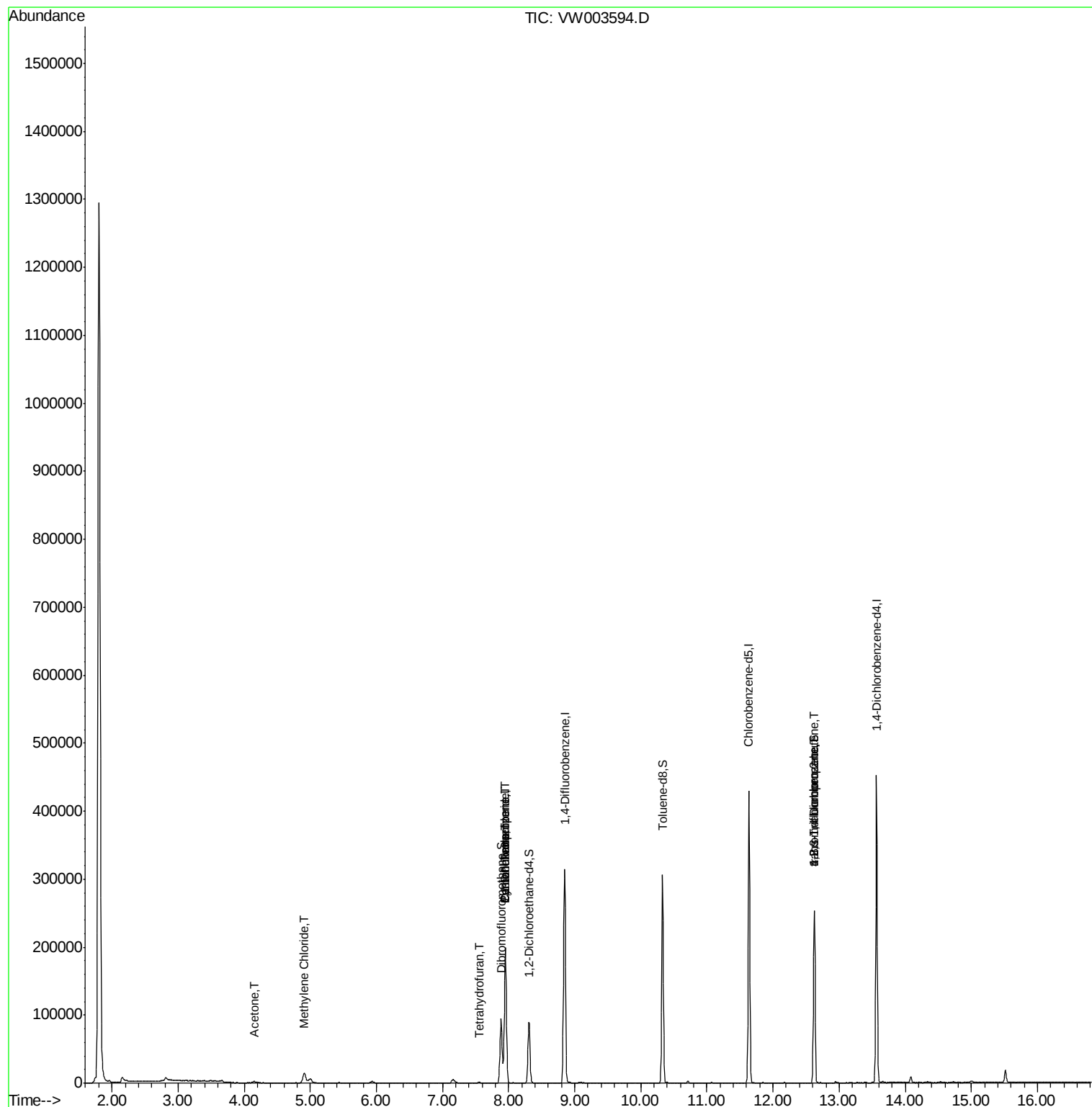
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	3876	11.791	ug/l #	88
20) Methylene Chloride	4.90	84	10920	4.478	ug/l	88
29) Tetrahydrofuran	7.56	42	551	2.206	ug/l #	61
31) Cyclohexane	7.95	56	3521	1.390	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	12516	5.209	ug/l #	50
38) Carbon Tetrachloride	7.96	117	14528	6.164	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	40878	42.859	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	40878	98.620	ug/l #	8

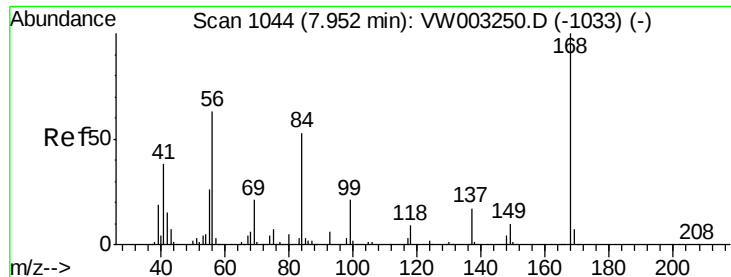
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 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: VW003594.D

Acq: 27 Jun 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

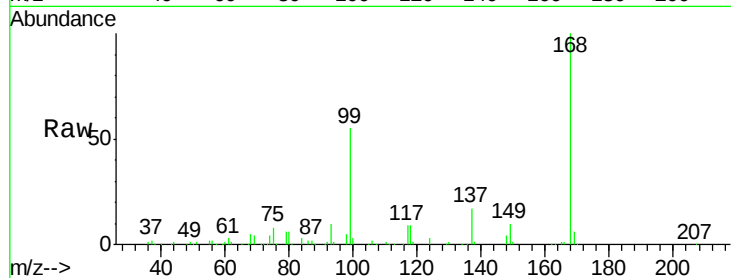
FK-BPM-01-E6-F6-E6A-F6A

Tgt Ion:168 Resp: 144704

Ion Ratio Lower Upper

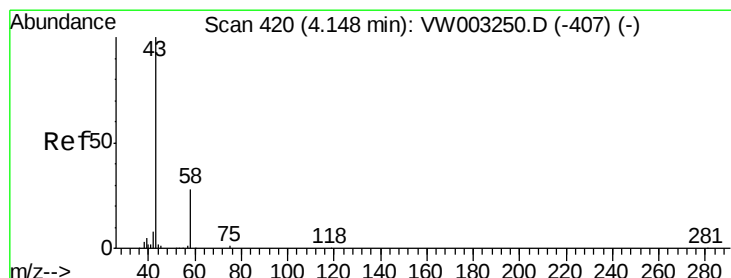
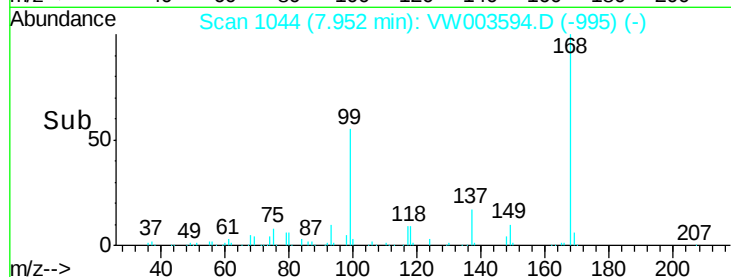
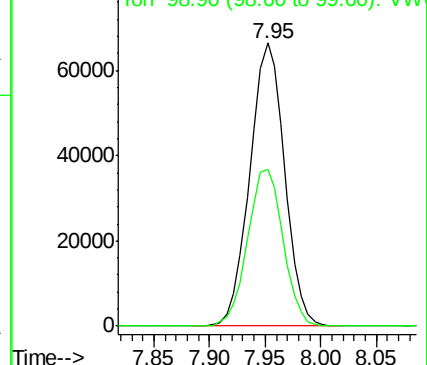
168 100

99 55.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 11.791 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003594.D

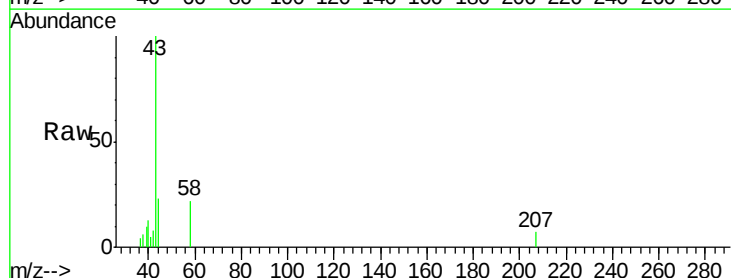
Acq: 27 Jun 2018 03:06

Tgt Ion: 43 Resp: 3876

Ion Ratio Lower Upper

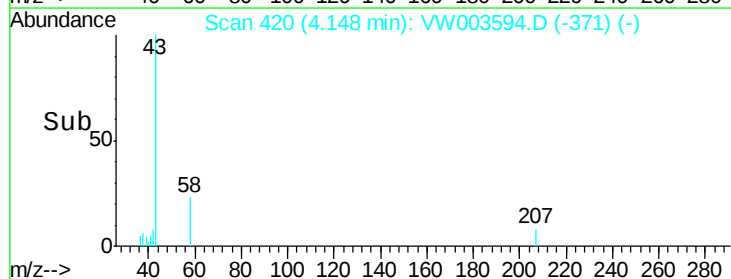
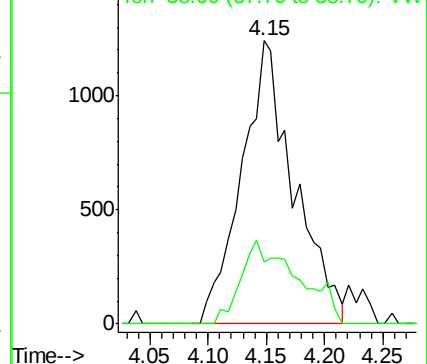
43 100

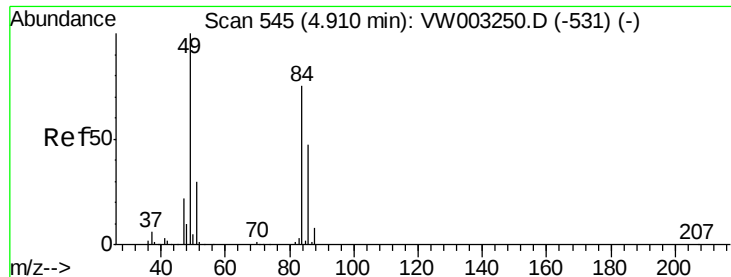
58 21.9 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

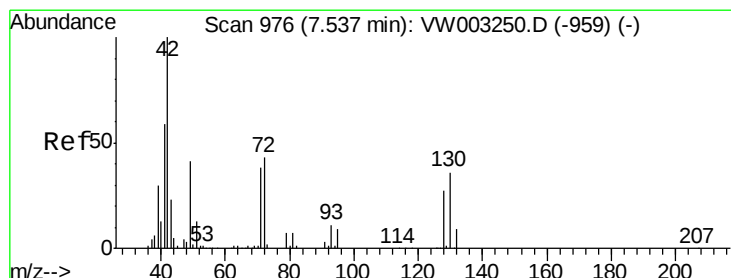
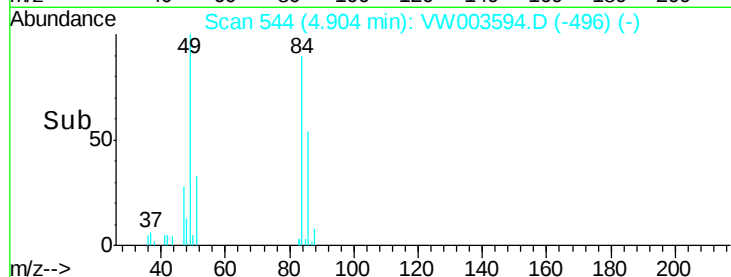
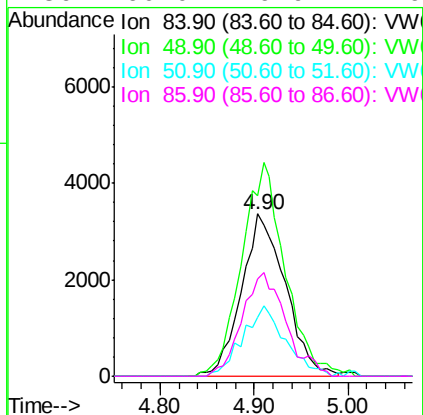
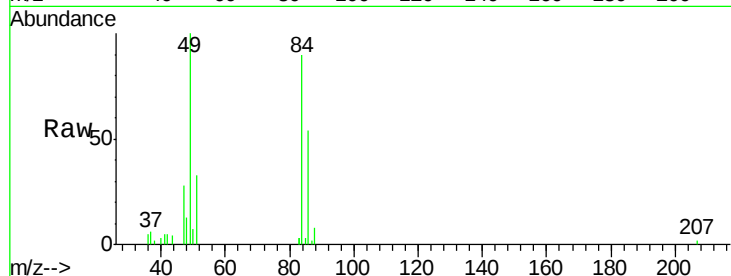




#20
Methylene Chloride
Concen: 4.478 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003594.D
Acq: 27 Jun 2018 03:06

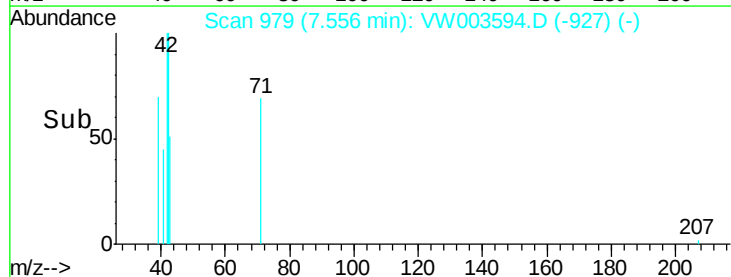
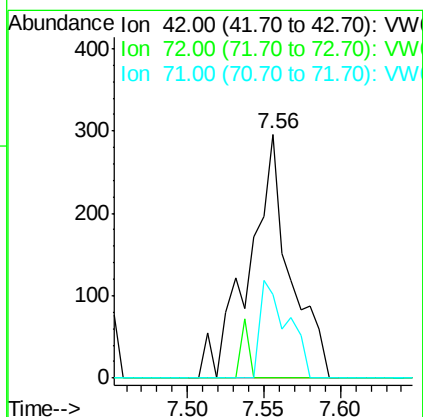
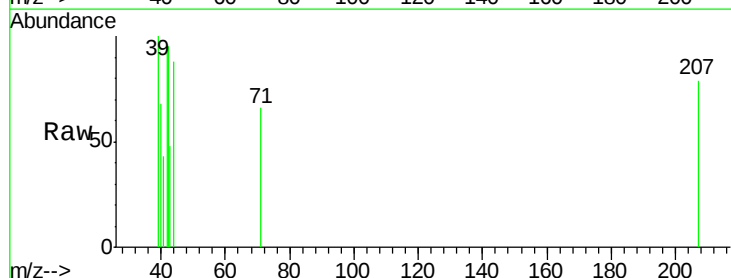
Instrument :
MSVOA_W
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FK-BPM-01-E6-F6-E6A-F6A

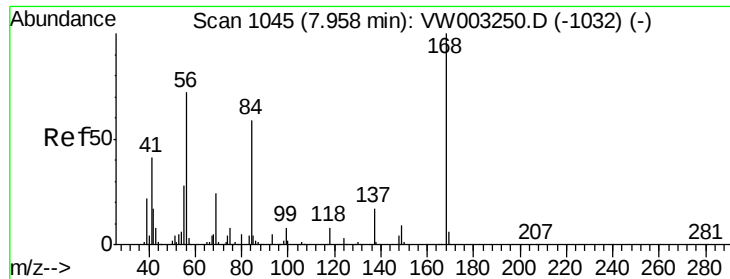
Tgt Ion:	84	Resp:	10920
Ion	Ratio	Lower	Upper
84	100		
49	111.0	106.3	159.5
51	36.1	32.0	48.0
86	60.0	49.9	74.9



#29
Tetrahydrofuran
Concen: 2.206 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003594.D
Acq: 27 Jun 2018 03:06

Tgt Ion:	42	Resp:	551
Ion	Ratio	Lower	Upper
42	100		
72	4.7	32.4	48.6#
71	26.9	31.2	46.8#

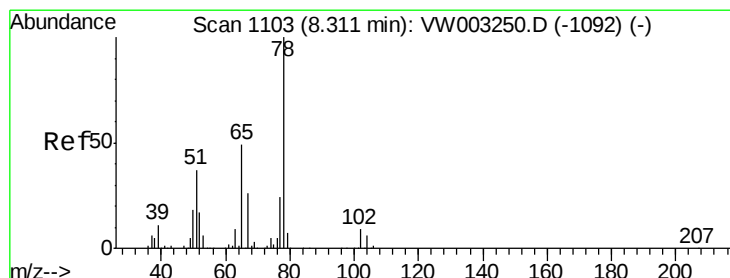
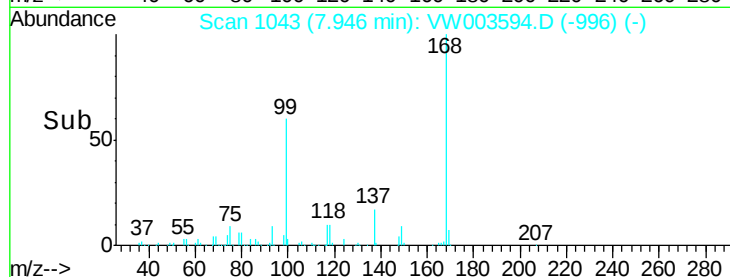
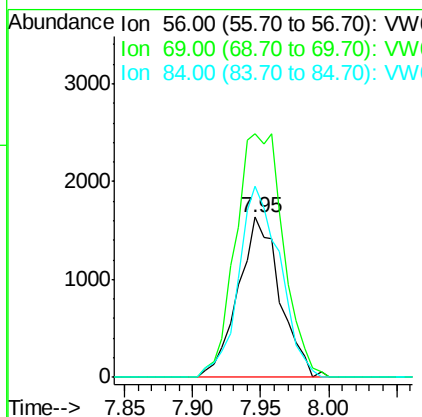
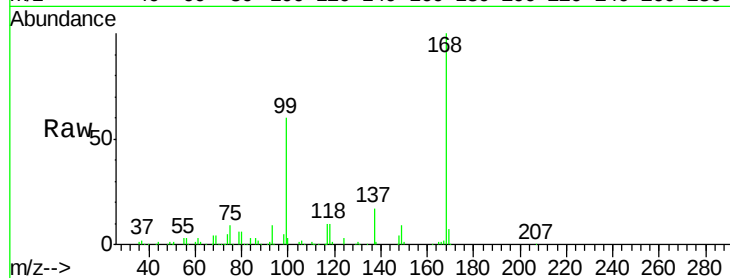




#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003594.D
Acq: 27 Jun 2018 03:06

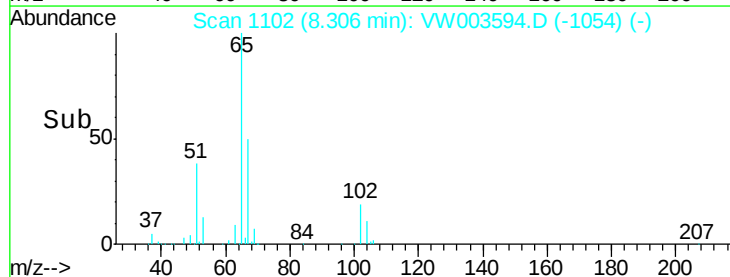
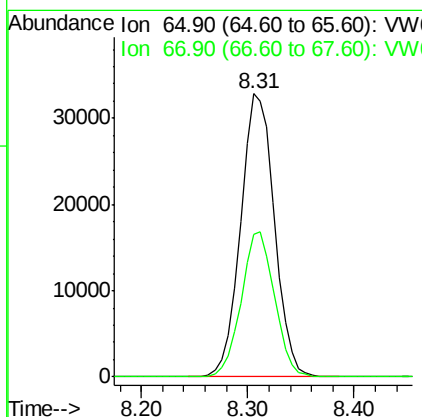
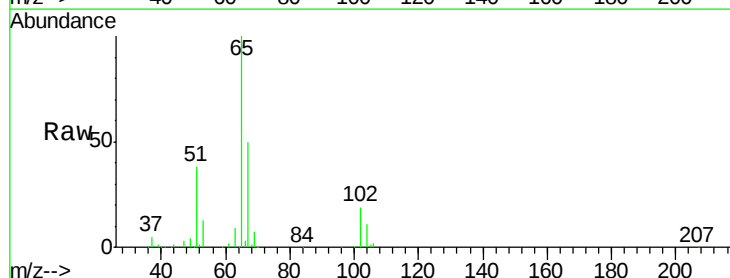
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-01-E6-F6-E6A-F6A

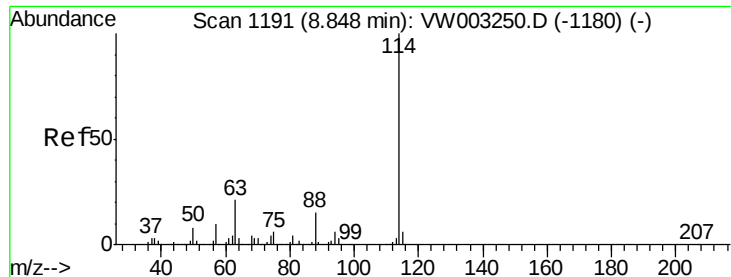
Tgt Ion: 56 Resp: 3521
Ion Ratio Lower Upper
56 100
69 152.2 26.3 39.5#
84 119.3 65.7 98.5#



#33
1,2-Dichloroethane-d4
Concen: 46.648 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VW003594.D
Acq: 27 Jun 2018 03:06

Tgt Ion: 65 Resp: 73114
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.2

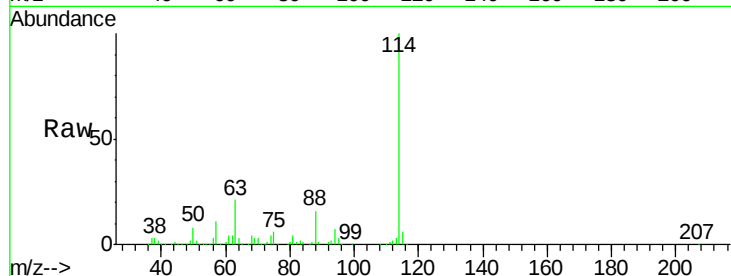




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003594.D
 Acq: 27 Jun 2018 03:06

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-E6-F6-E6A-F6A

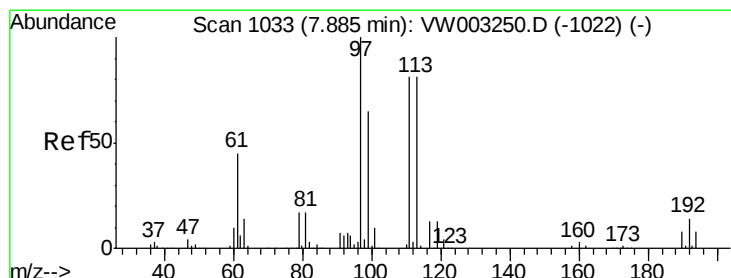
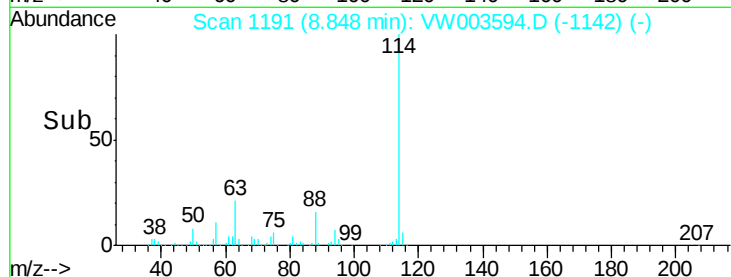
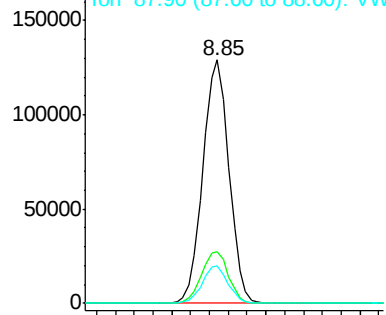
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	15.6	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

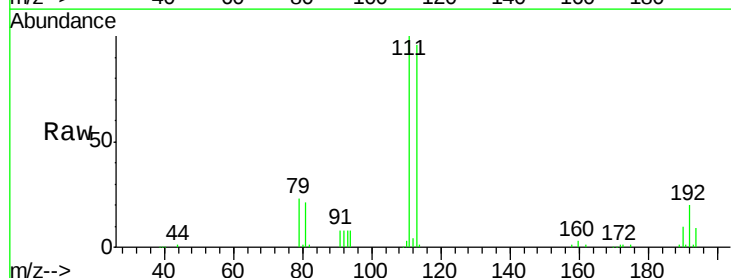
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 41.688 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003594.D
 Acq: 27 Jun 2018 03:06

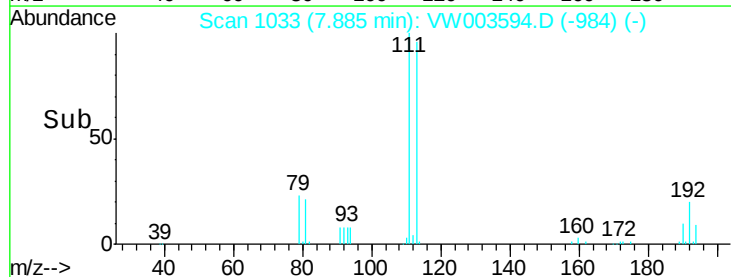
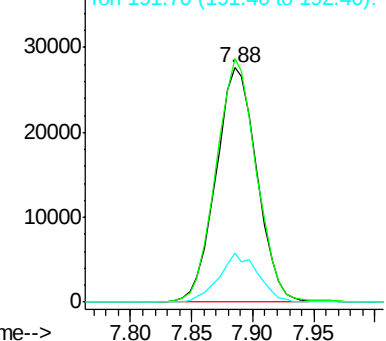
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	20.0	16.2	24.2

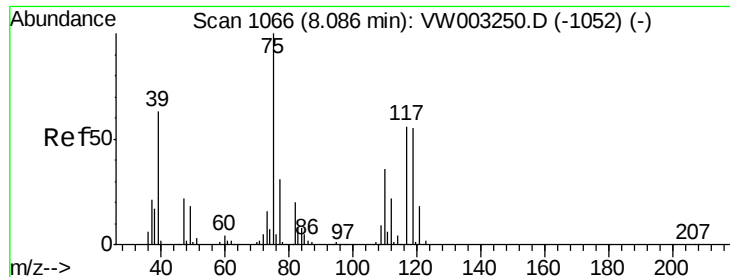


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

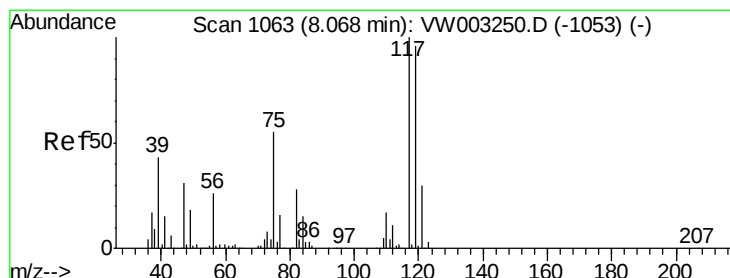
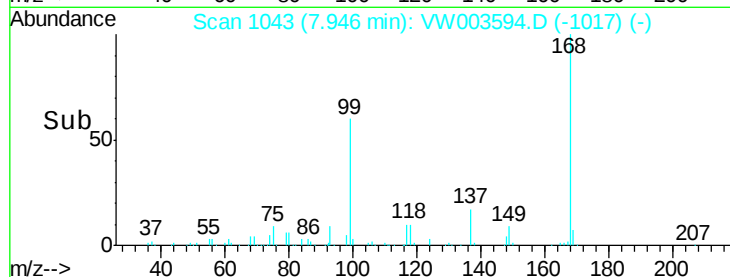
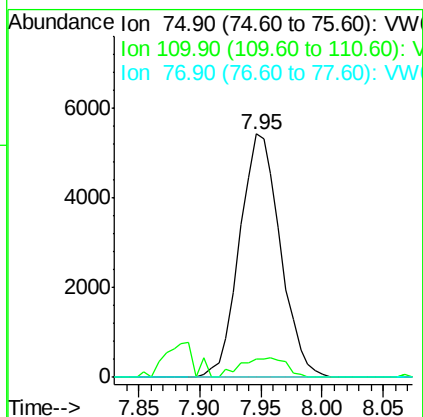
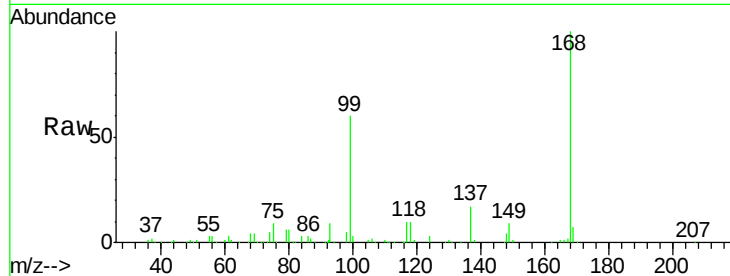




#36
 1,1-Dichloropropene
 Concen: 5.209 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW003594.D
 Acq: 27 Jun 2018 03:06

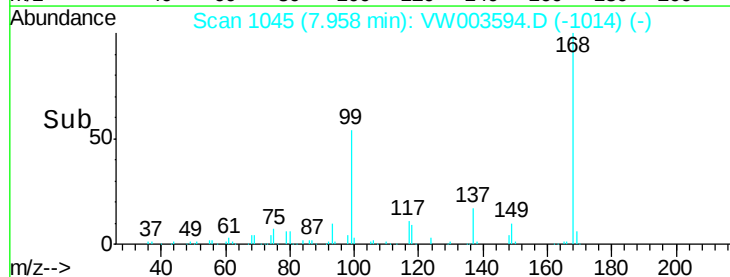
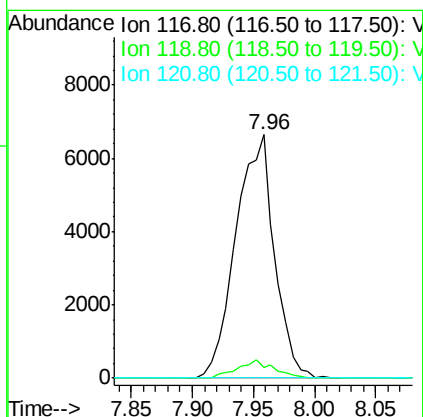
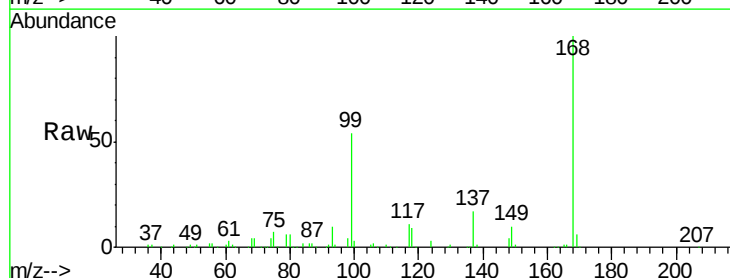
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-E6-F6-E6A-F6A

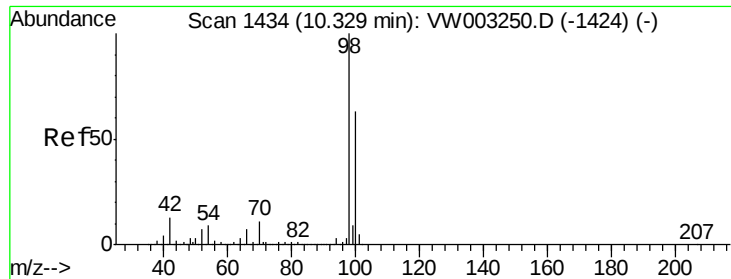
Tgt Ion: 75 Resp: 12516
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.164 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.11 min
 Lab File: VW003594.D
 Acq: 27 Jun 2018 03:06

Tgt Ion: 117 Resp: 14528
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.6 115.0#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 31.359 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003594.D

Acq: 27 Jun 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

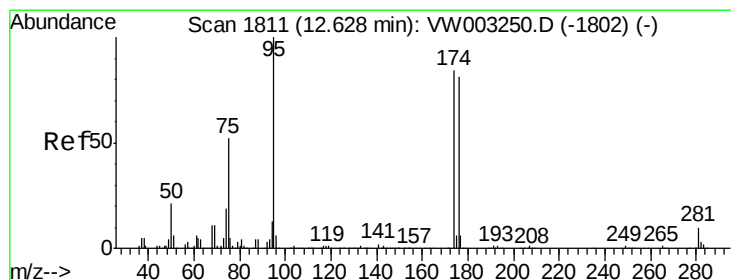
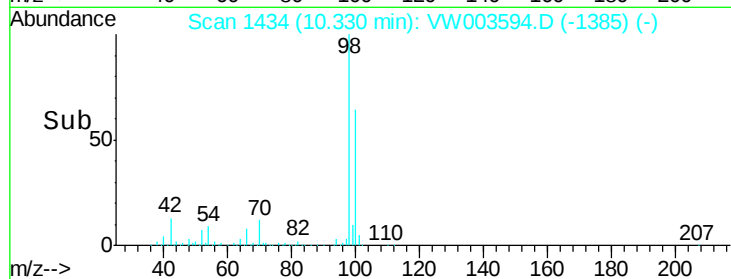
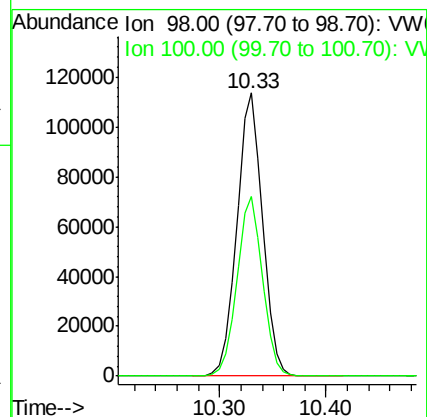
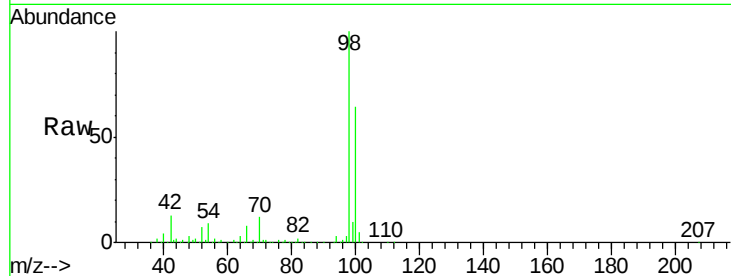
FK-BPM-01-E6-F6-E6A-F6A

Tgt Ion: 98 Resp: 192229

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 33.336 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003594.D

Acq: 27 Jun 2018 03:06

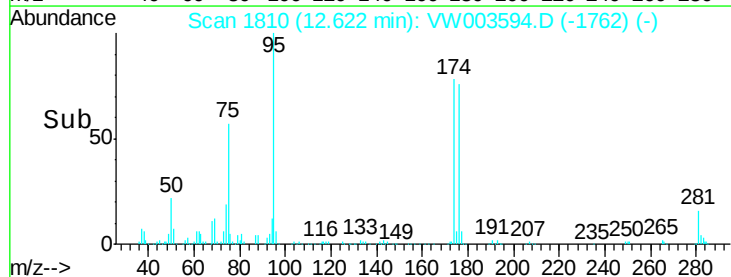
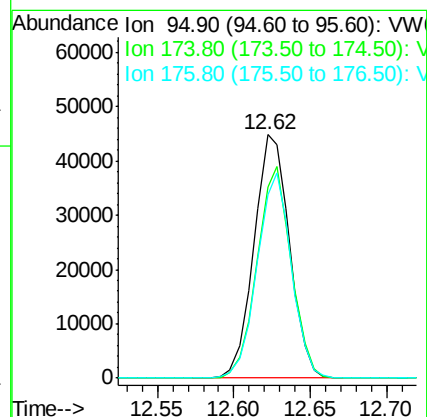
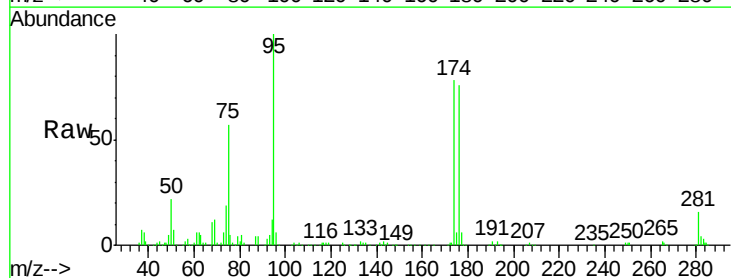
Tgt Ion: 95 Resp: 72318

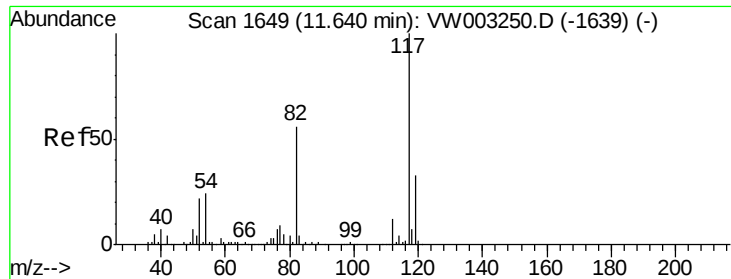
Ion Ratio Lower Upper

95 100

174 83.5 0.0 166.4

176 81.5 0.0 162.0

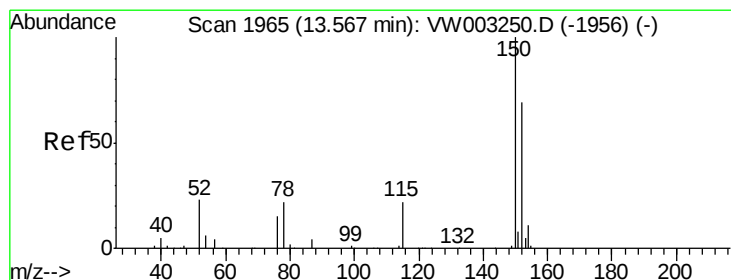
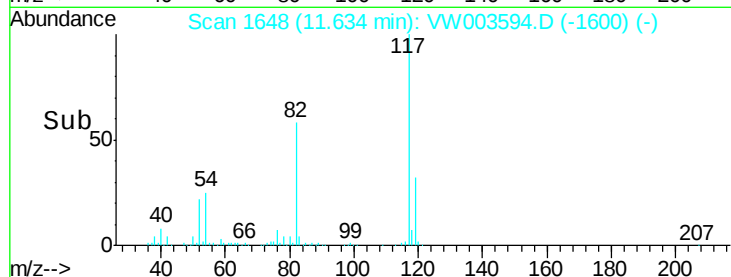
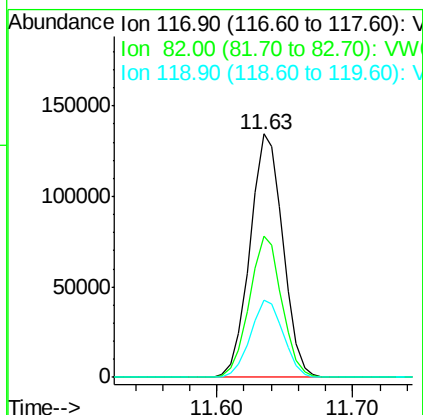
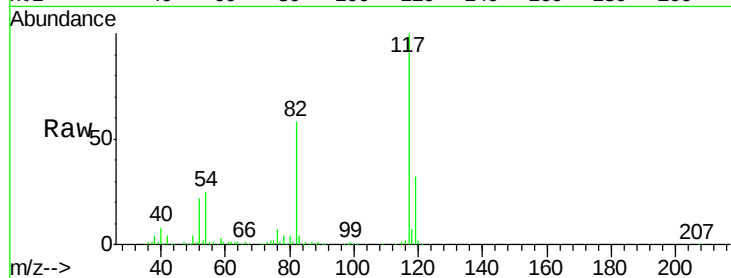




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003594.D
Acq: 27 Jun 2018 03:06

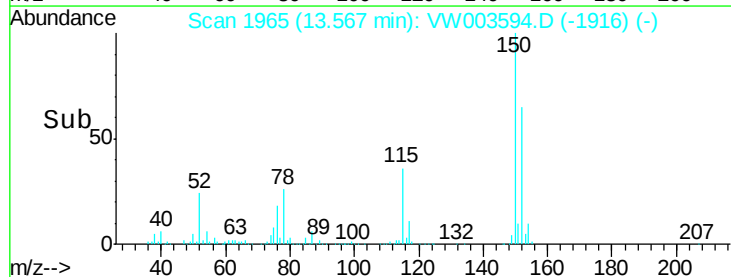
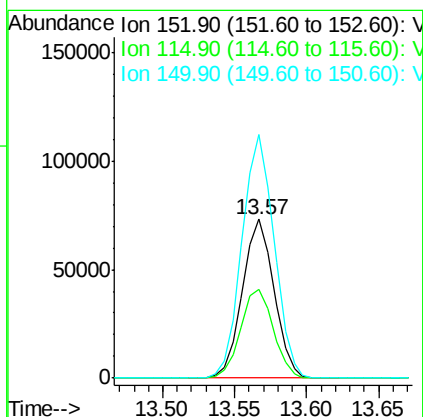
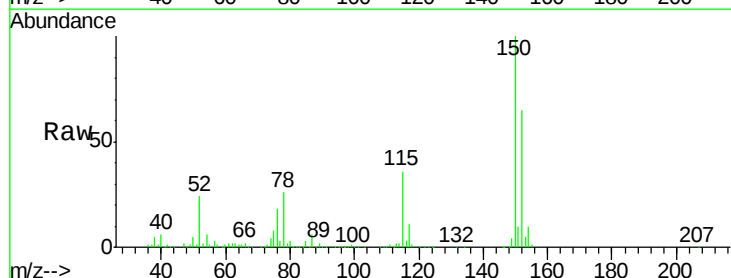
Instrument :
MSVOA_W
ClientSampleId :
FK-BPM-01-E6-F6-E6A-F6A

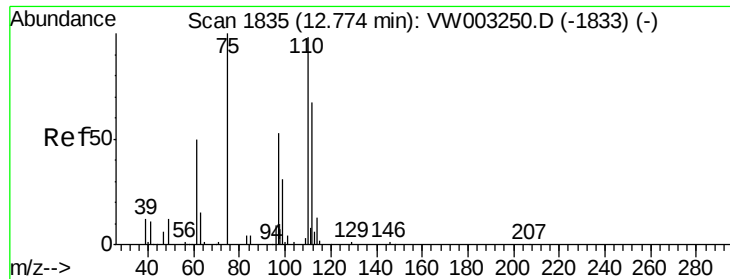
Tgt Ion:117 Resp: 228222
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 31.7 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003594.D
Acq: 27 Jun 2018 03:06

Tgt Ion:152 Resp: 111569
Ion Ratio Lower Upper
152 100
115 58.0 29.3 88.0
150 155.7 0.0 349.6

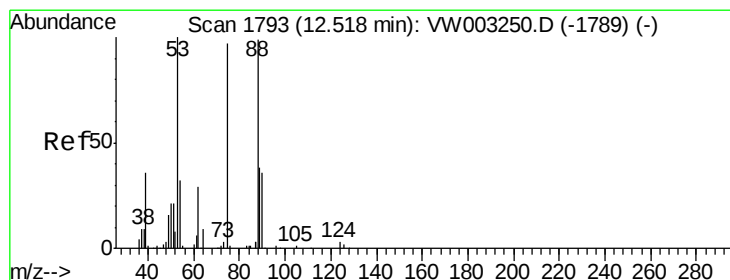
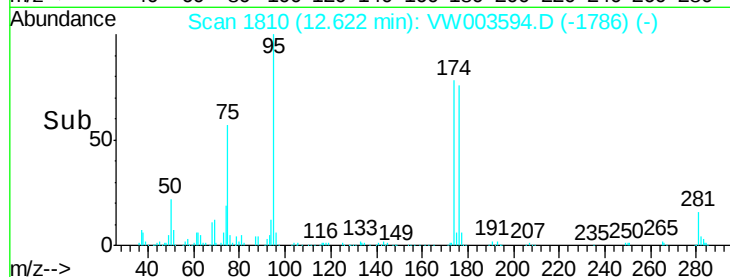
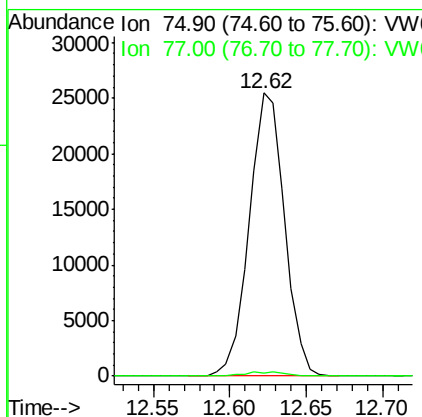
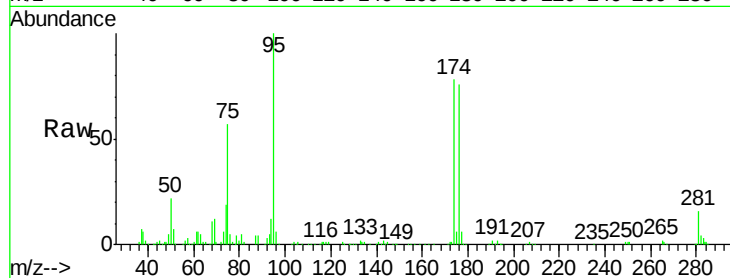




#76
 1,2,3-Trichloropropane
 Concen: 42.859 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003594.D
 Acq: 27 Jun 2018 03:06

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-BPM-01-E6-F6-E6A-F6A

Tgt Ion: 75 Resp: 40878
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.620 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003594.D
 Acq: 27 Jun 2018 03:06

Tgt Ion: 75 Resp: 40878
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.9 124.3#
 89 0.1 36.7 55.1#

