

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003933.D
 Acq On : 13 Jul 2018 23:13
 Operator : VA/AP
 Sample : J3545-02
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 14 01:04:40 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	190428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	339512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107205	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	131378	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	7.88	113	112452	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.33	98	374003	41.15	ug/l	0.00
Spiked Amount			Recovery	=	82.30%	
62) 4-Bromofluorobenzene	12.62	95	117030	35.59	ug/l	0.00
Spiked Amount			Recovery	=	71.18%	

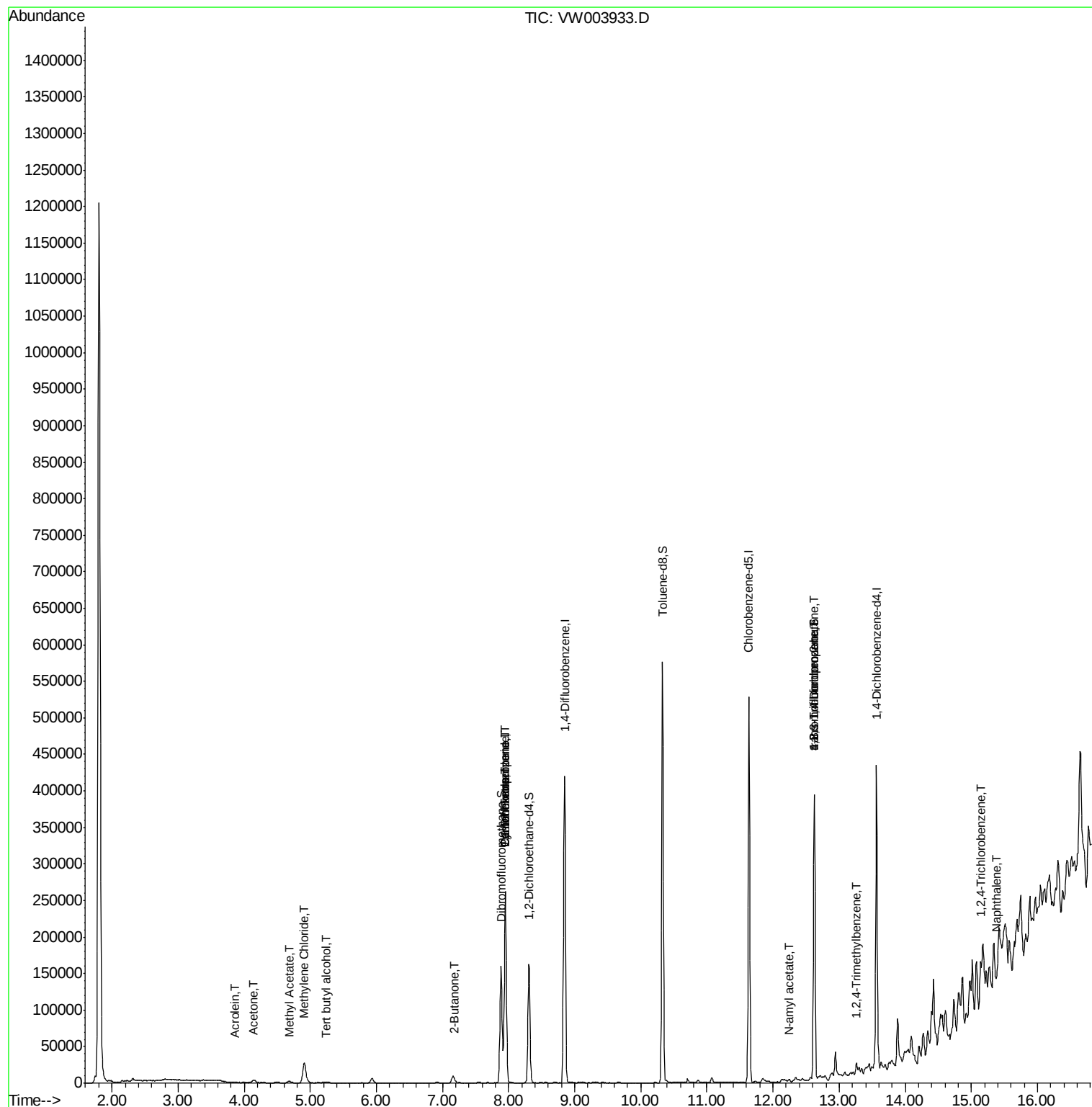
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	2464	18.258	ug/l #	70
13) Acrolein	3.87	56	22	4.839	ug/l #	1
16) Acetone	4.14	43	7961	18.426	ug/l #	88
18) Methyl Acetate	4.68	43	4583	3.762	ug/l	100
20) Methylene Chloride	4.92	84	22181	6.741	ug/l	94
25) 2-Butanone	7.18	43	2410	3.561	ug/l #	86
31) Cyclohexane	7.95	56	4776	1.314	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	16011	4.445	ug/l #	49
38) Carbon Tetrachloride	7.95	117	20169	5.889	ug/l #	16
74) N-amyl acetate	12.24	43	2089	1.062	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	63074	59.914	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63074	146.565	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	7498	1.153	ug/l	95
93) 1,2,4-Trichlorobenzene	15.15	180	4366	1.962	ug/l #	11
95) Naphthalene	15.38	128	17707	4.453	ug/l #	90

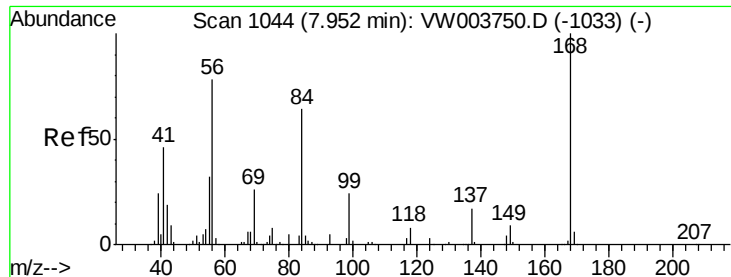
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071318\
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Quant Title : SW846 8260
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: VW003933.D

Acq: 13 Jul 2018 23:13

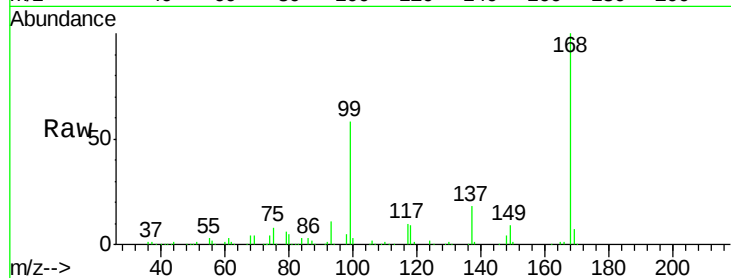
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 190428

Ion Ratio Lower Upper

168 100

99 57.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

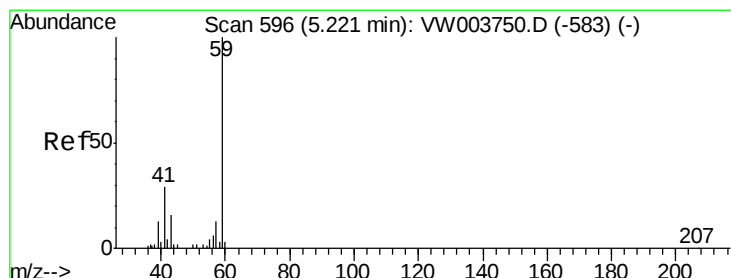
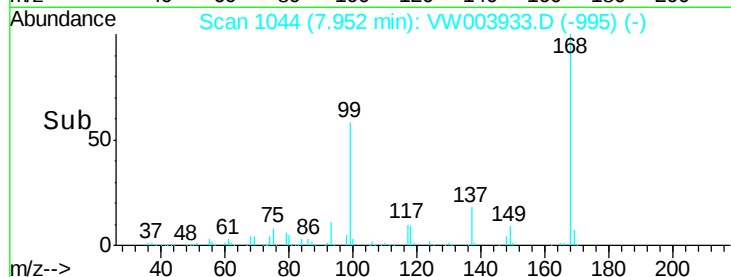
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 18.258 ug/l

RT: 5.24 min Scan# 599

Delta R.T. 0.02 min

Lab File: VW003933.D

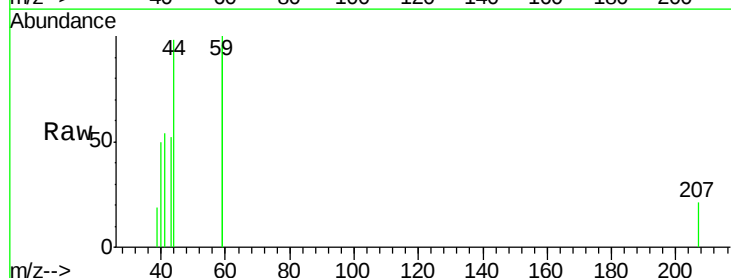
Acq: 13 Jul 2018 23:13

Tgt Ion: 59 Resp: 2464

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

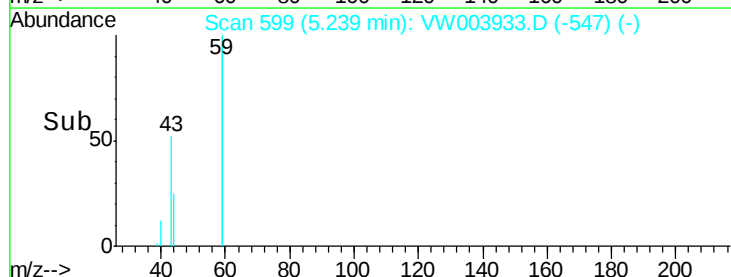
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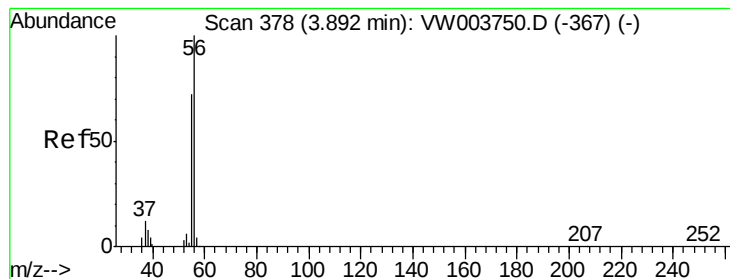
400

200

0

Time-->





#13

Acrolein

Concen: 4.839 ug/l

RT: 3.87 min Scan# 374

Delta R.T. -0.02 min

Lab File: VW003933.D

Acq: 13 Jul 2018 23:13

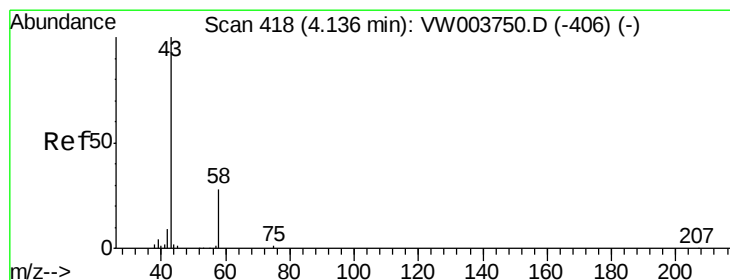
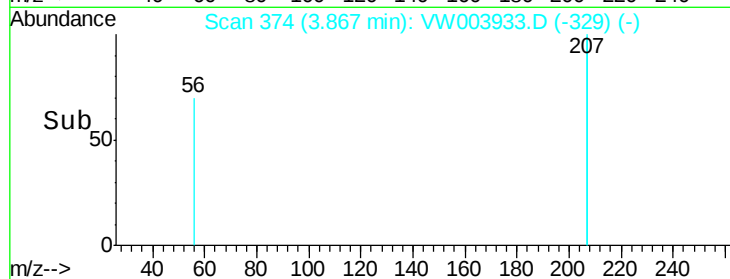
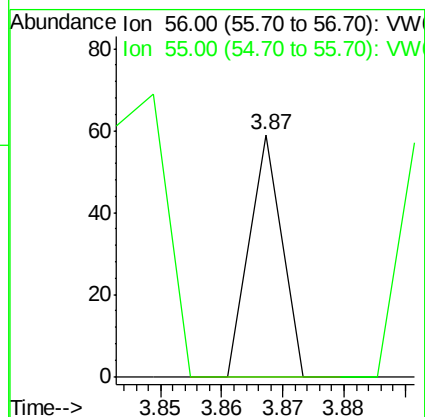
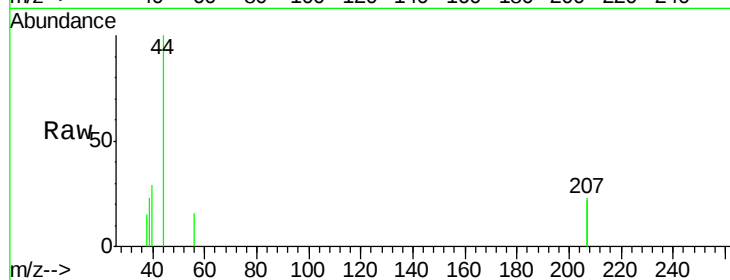
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 327.3 57.5 86.3#



#16

Acetone

Concen: 18.426 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003933.D

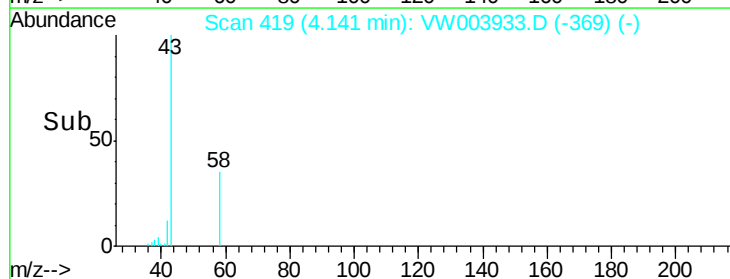
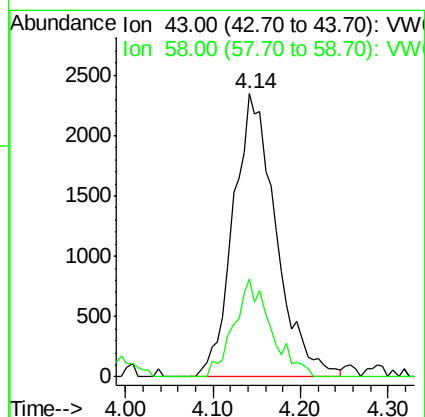
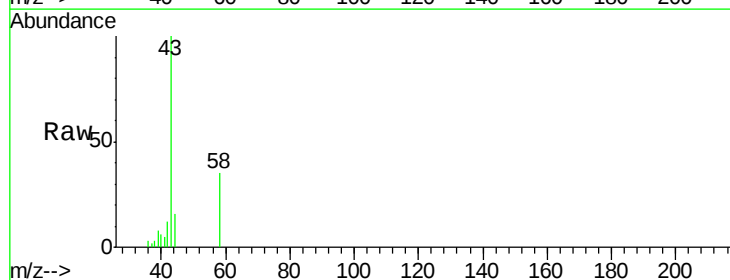
Acq: 13 Jul 2018 23:13

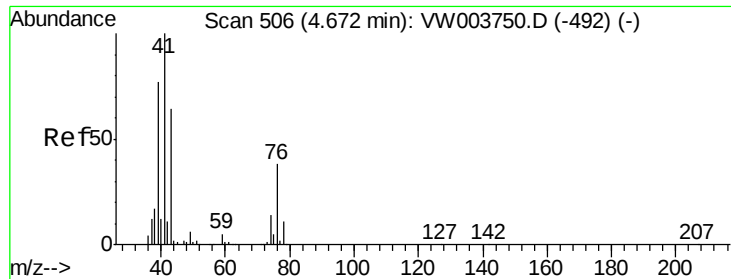
Tgt Ion: 43 Resp: 7961

Ion Ratio Lower Upper

43 100

58 34.6 22.6 34.0#

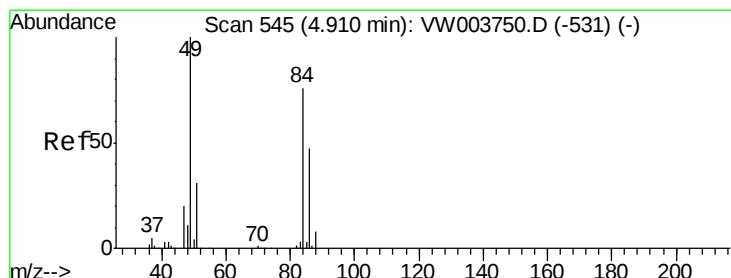
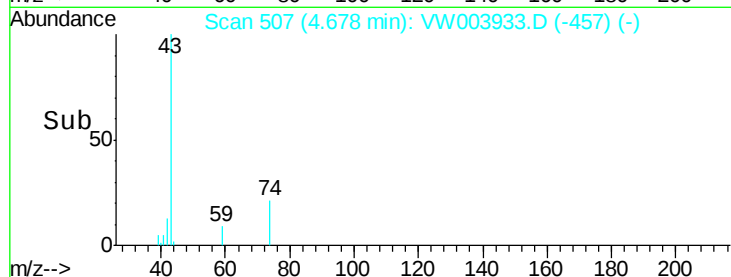
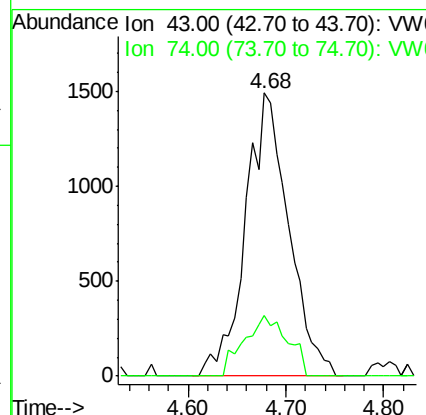
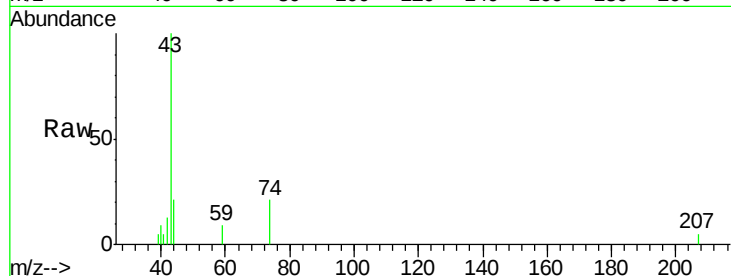




#18
Methyl Acetate
Concen: 3.762 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

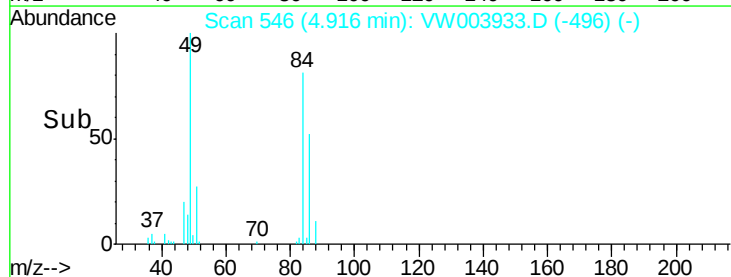
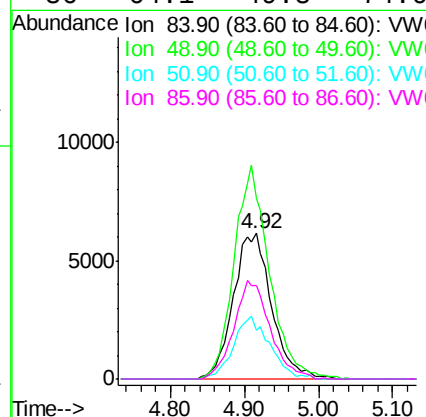
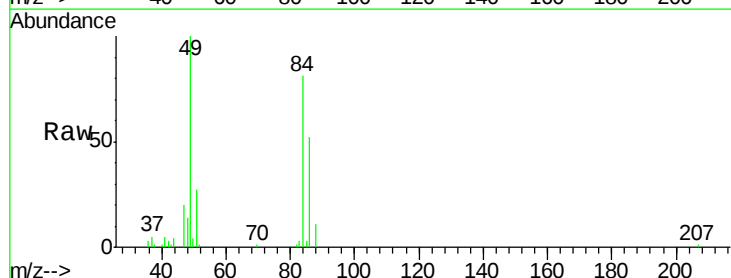
Instrument :
MSVOA_W
ClientSampleId :

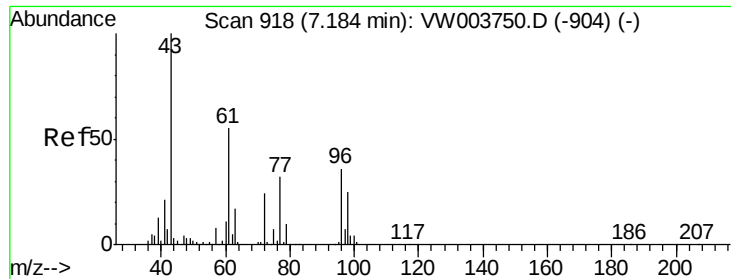
Tot Ion: 43 Resp: 4583
Ion Ratio Lower Upper
43 100
74 21.6 17.3 25.9



#20
Methylene Chloride
Concen: 6.741 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

Tgt Ion: 84 Resp: 22181
Ion Ratio Lower Upper
84 100
49 124.1 105.1 157.7
51 33.8 32.5 48.7
86 64.1 49.8 74.6

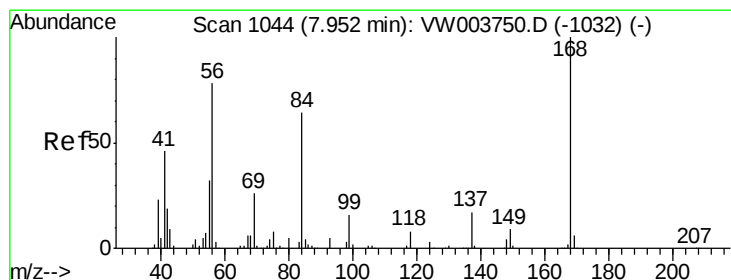
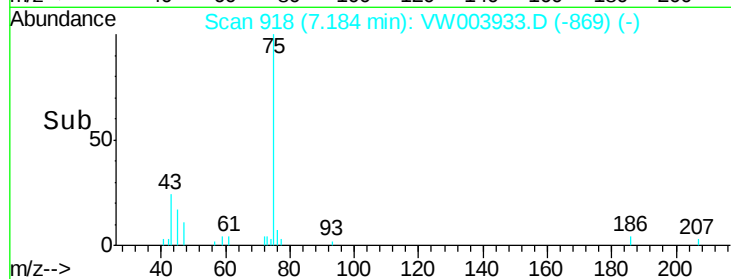
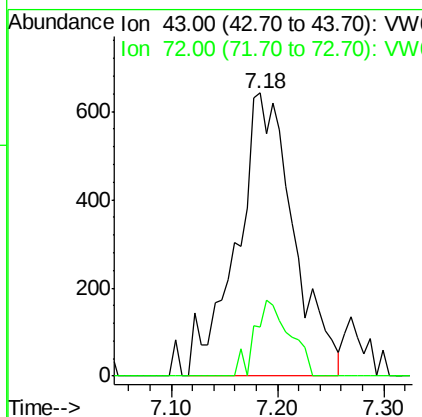
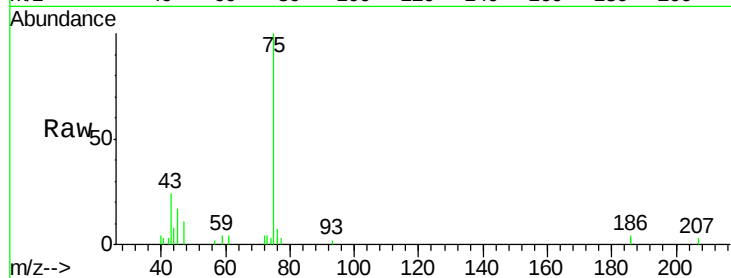




#25
2-Butanone
Concen: 3.561 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

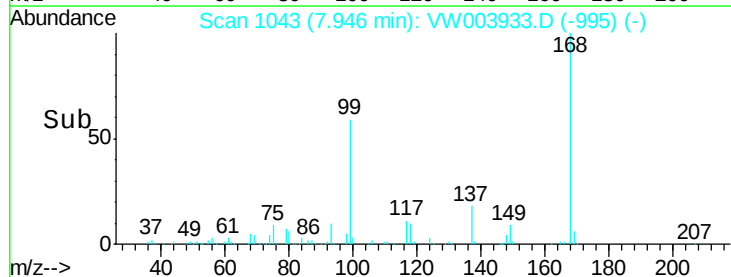
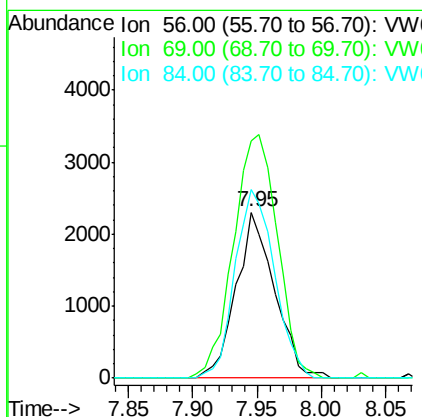
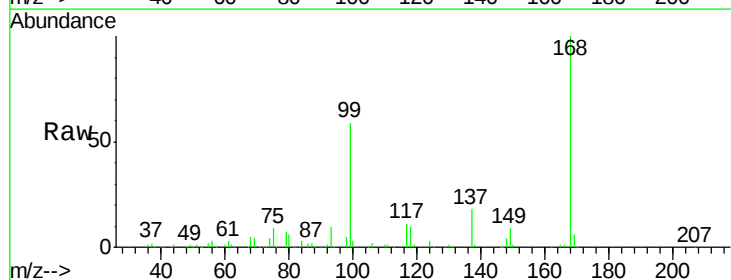
Instrument :
MSVOA_W
ClientSampleId :

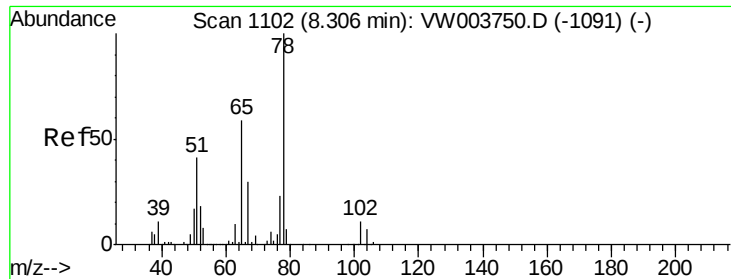
Tot Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
72 17.6 19.4 29.2#



#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

Tgt Ion: 56 Resp: 4776
Ion Ratio Lower Upper
56 100
69 143.1 26.2 39.4#
84 113.6 65.5 98.3#

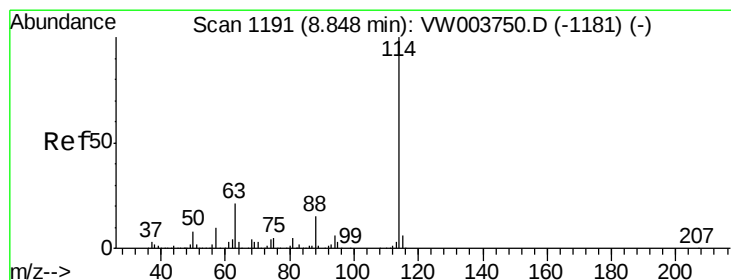
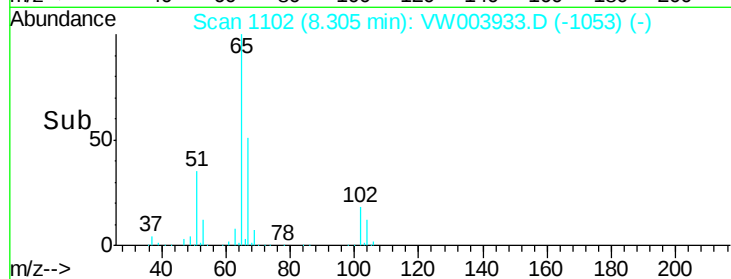
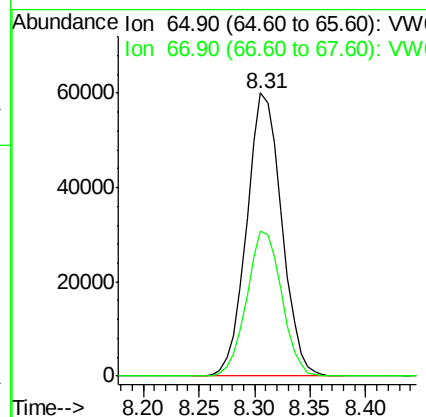
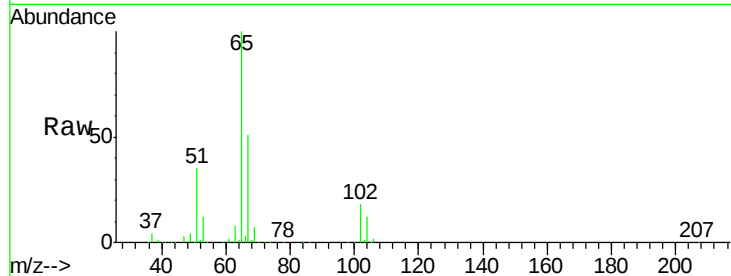




#33
 1,2-Dichloroethane-d4
 Concen: 52.756 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

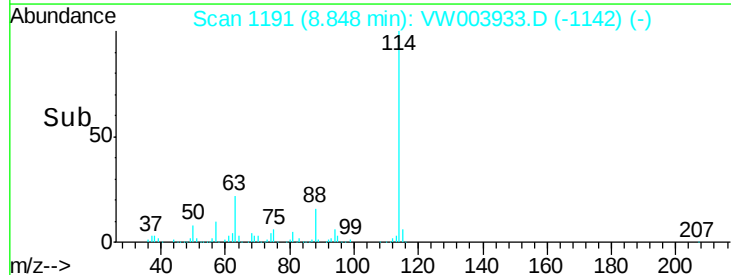
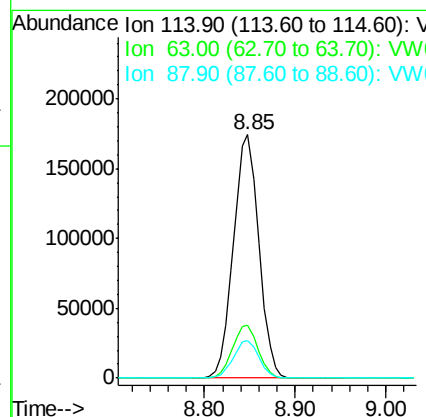
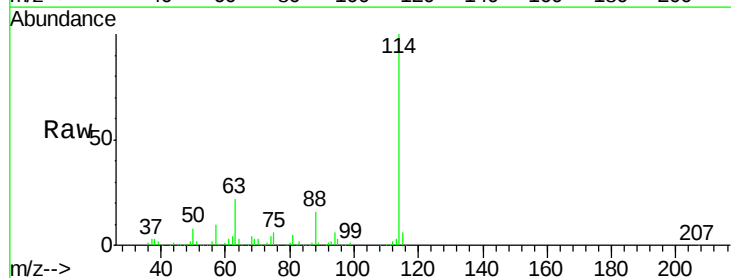
Instrument :
 MSVOA_W
 ClientSampleId :

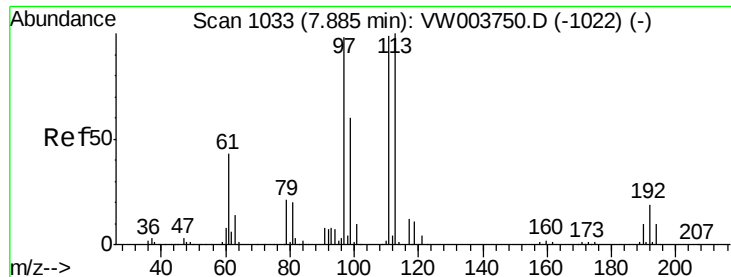
Tot Ion: 65 Resp: 131378
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

Tgt Ion: 114 Resp: 339512
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.8
 88 15.6 0.0 30.2

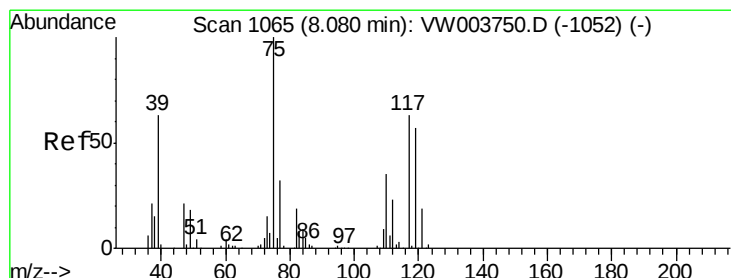
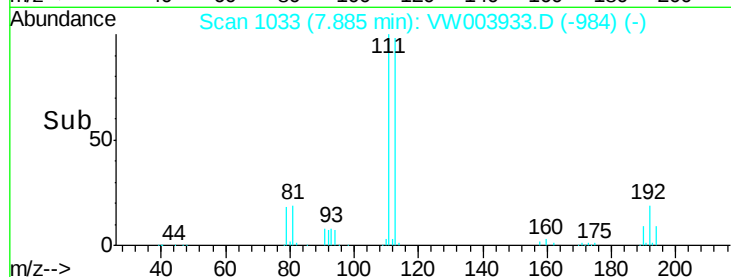
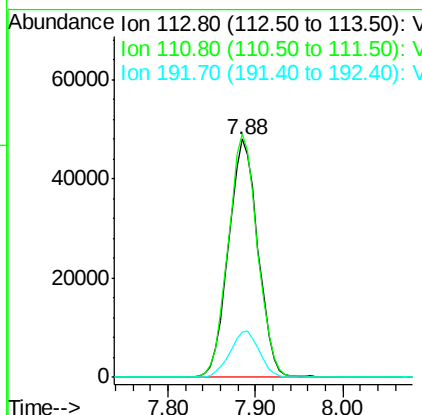
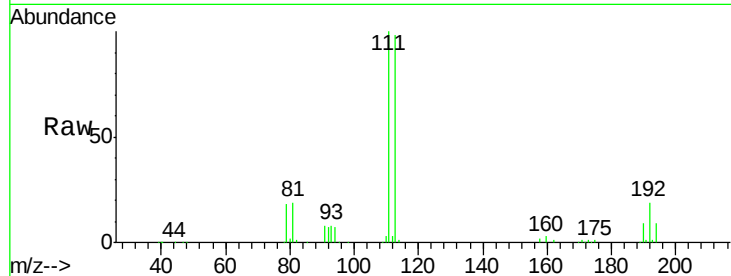




#35
 Dibromofluoromethane
 Concen: 47.324 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

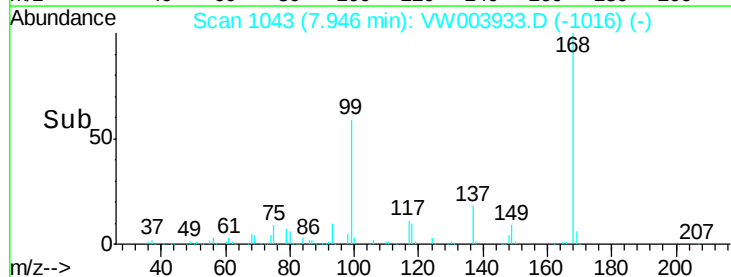
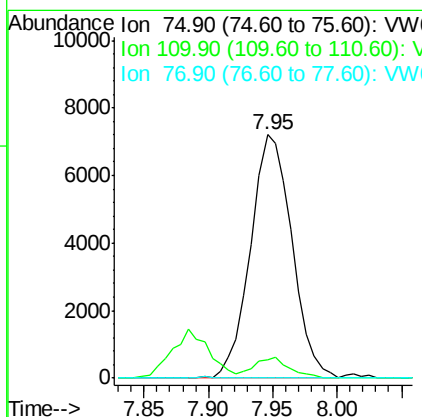
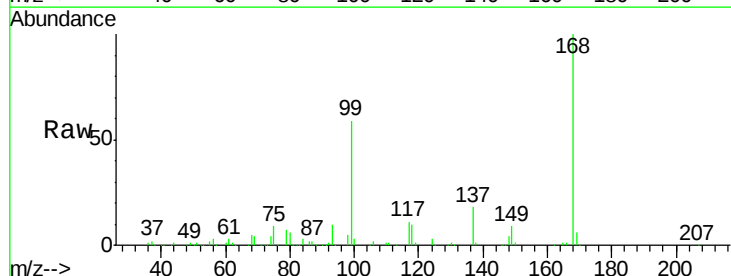
Instrument :
 MSVOA_W
 ClientSampleId :

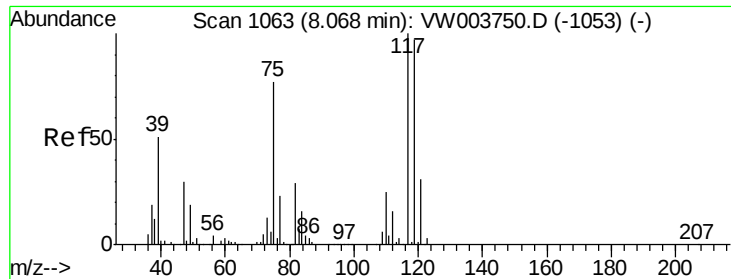
Tot Ion:113 Resp: 112452
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.7 122.5
 192 19.6 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.445 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

Tgt Ion: 75 Resp: 16011
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.9 50.6#
 77 0.0 24.8 37.2#

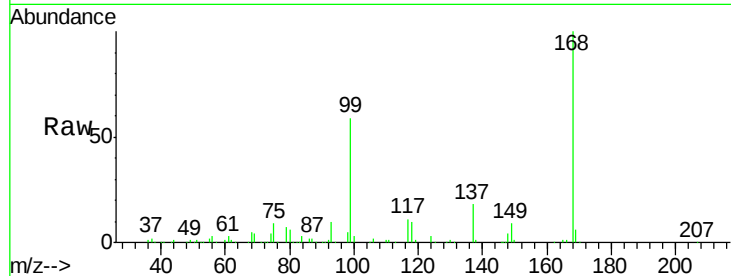




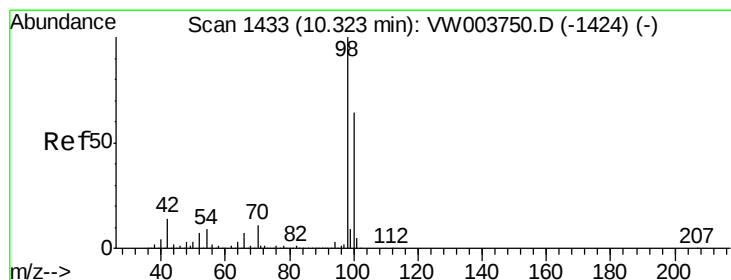
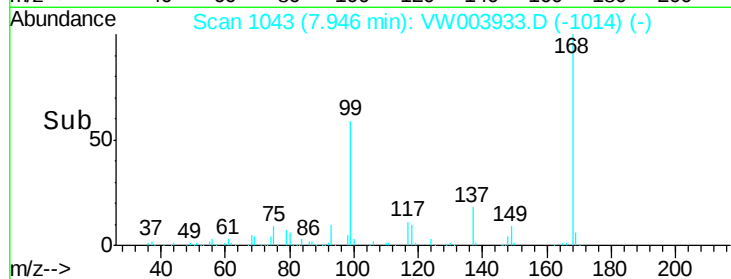
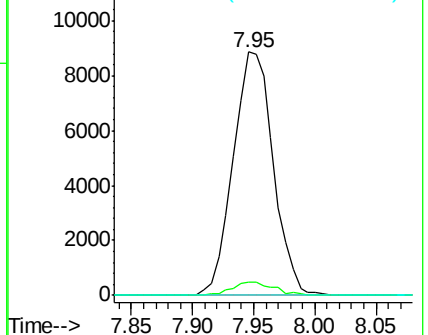
#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 20169
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.2#
121 0.0 24.6 37.0#

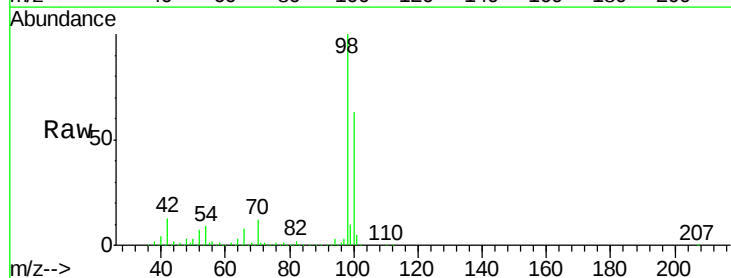


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

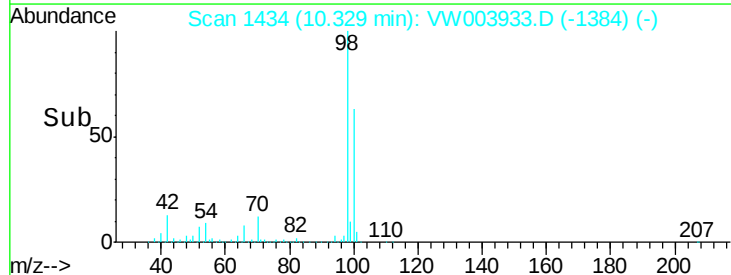
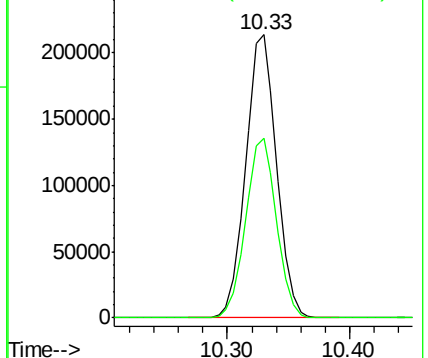


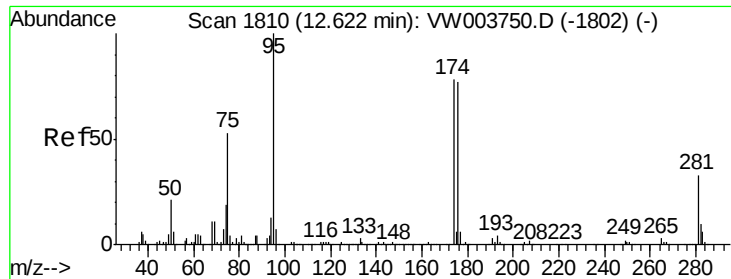
#50
Toluene-d8
Concen: 41.147 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

Tgt Ion: 98 Resp: 374003
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2



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

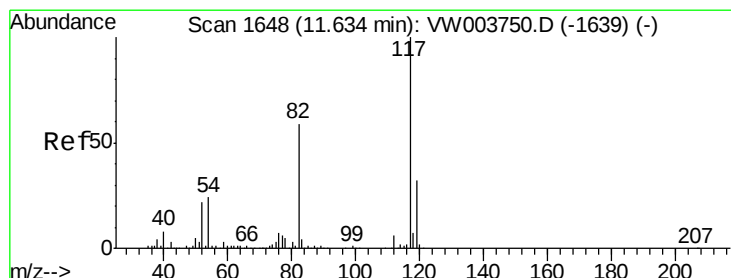
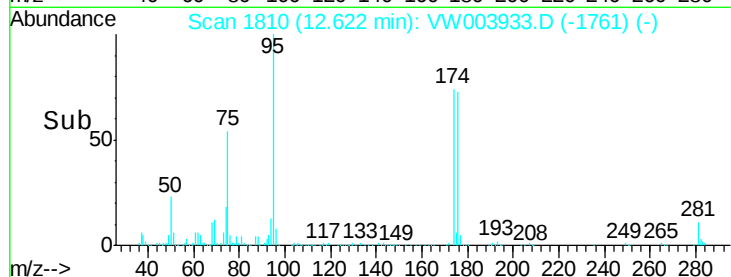
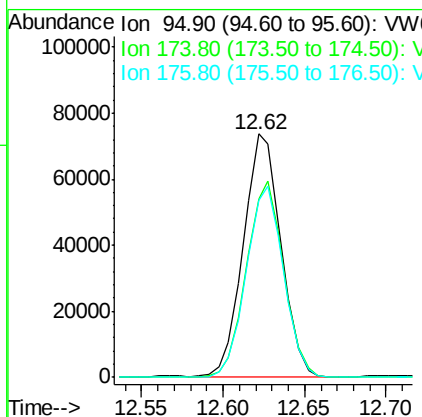
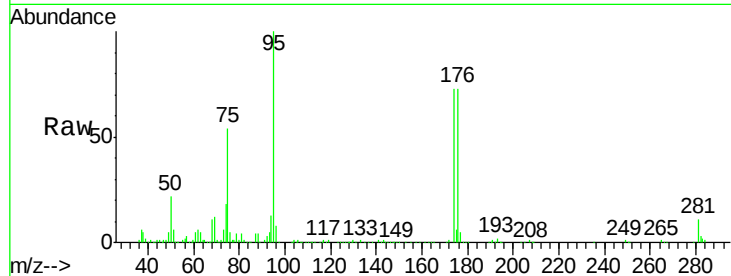




#62
4-Bromofluorobenzene
Concen: 35.585 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

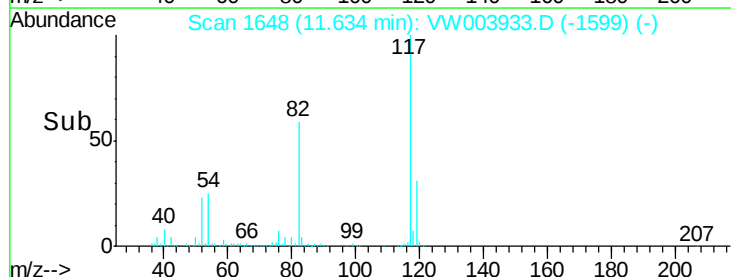
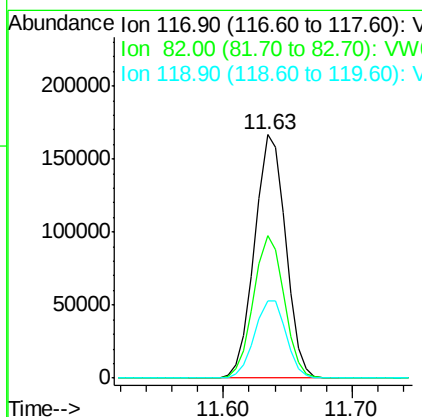
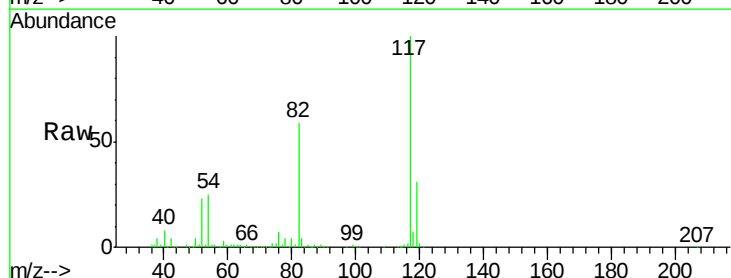
Instrument :
MSVOA_W
ClientSampleId :

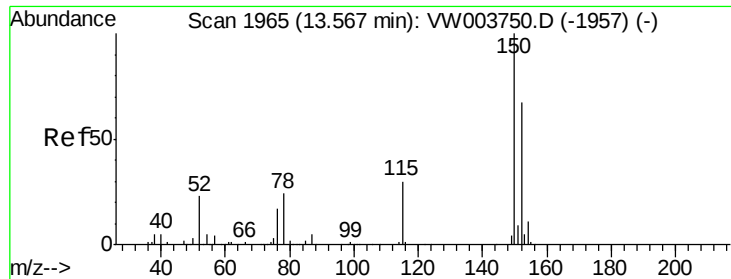
Tot Ion: 95 Resp: 117030
Ion Ratio Lower Upper
95 100
174 80.5 0.0 163.4
176 78.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

Tgt Ion: 117 Resp: 277052
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 31.5 25.5 38.3



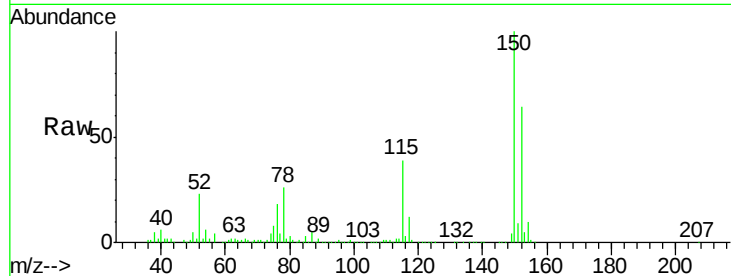


#72

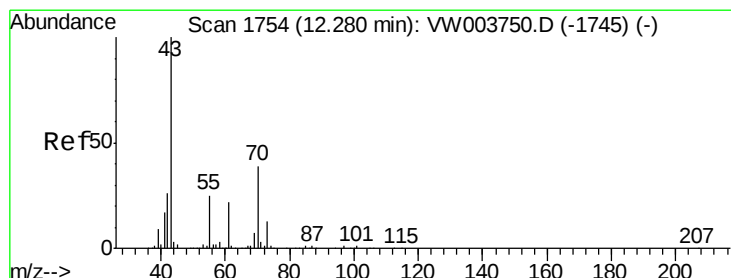
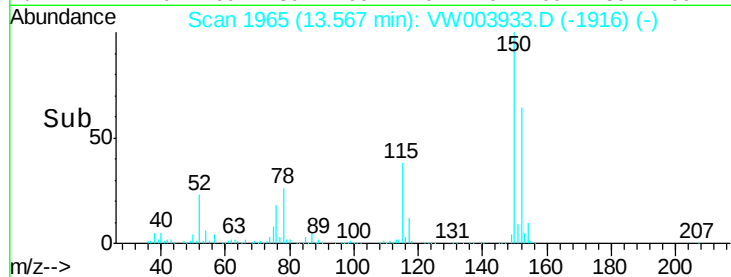
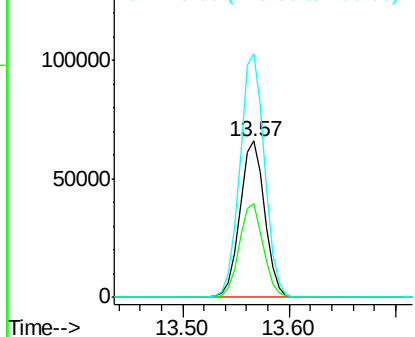
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.9	86.8
150	155.9	0.0	342.4



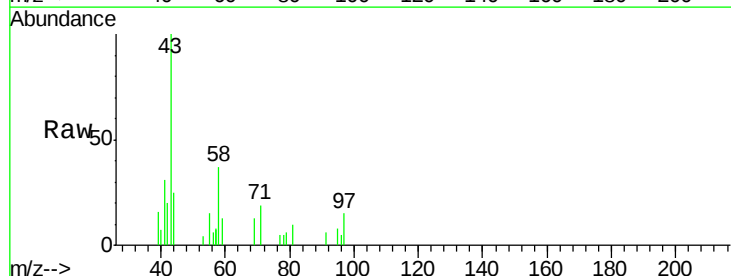
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



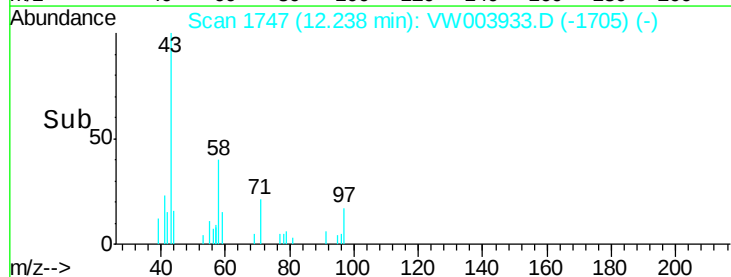
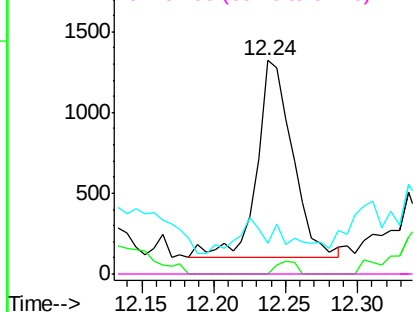
#74

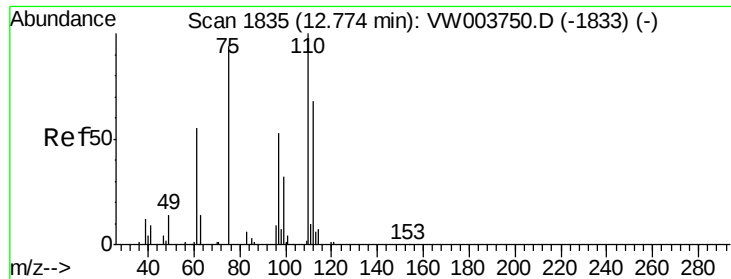
N-ethyl acetate
Concen: 1.062 ug/l
RT: 12.24 min Scan# 1747
Delta R.T. -0.04 min
Lab File: VW003933.D
Acq: 13 Jul 2018 23:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.3	46.9#
55	12.4	20.1	30.1#
61	0.0	17.7	26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

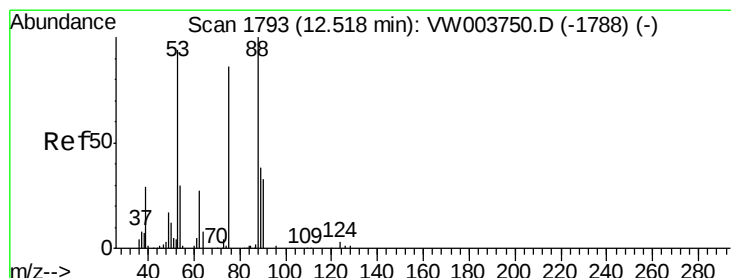
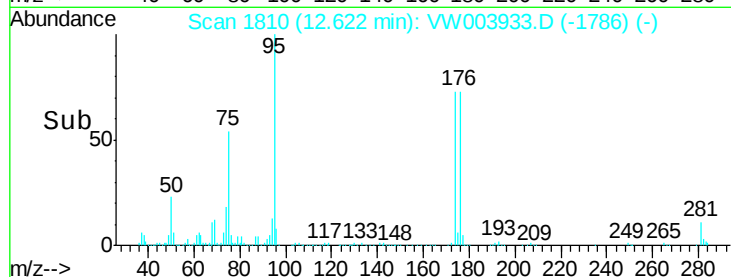
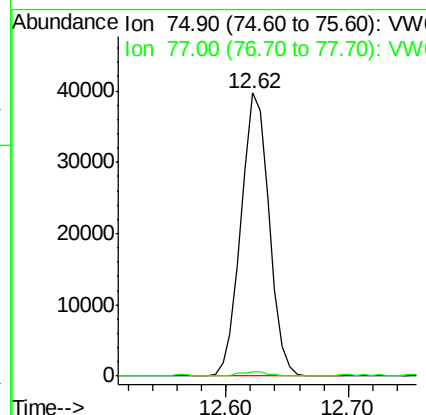
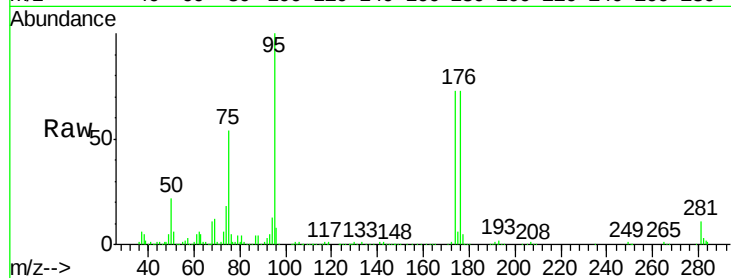




#76
 1,2,3-Trichloropropane
 Concen: 59.914 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

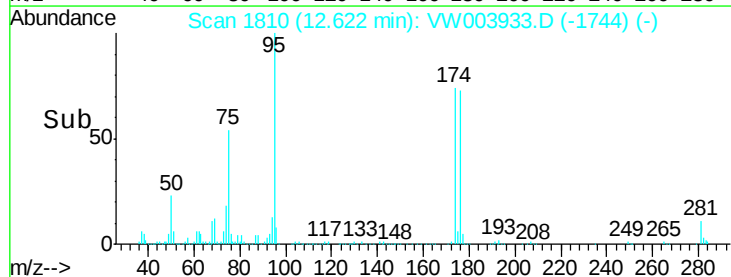
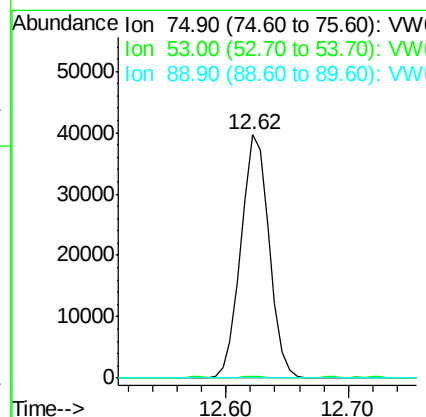
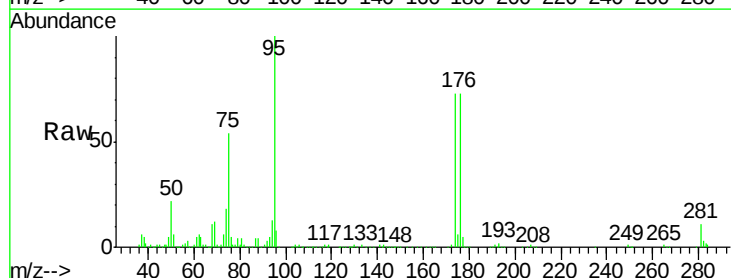
Instrument :
 MSVOA_W
 ClientSampleId :

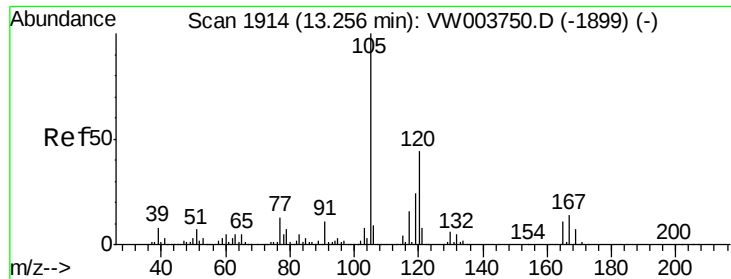
Tot Ion: 75 Resp: 63074
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.565 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

Tgt Ion: 75 Resp: 63074
 Ion Ratio Lower Upper
 75 100
 53 0.4 85.0 127.6#
 89 0.2 36.3 54.5#

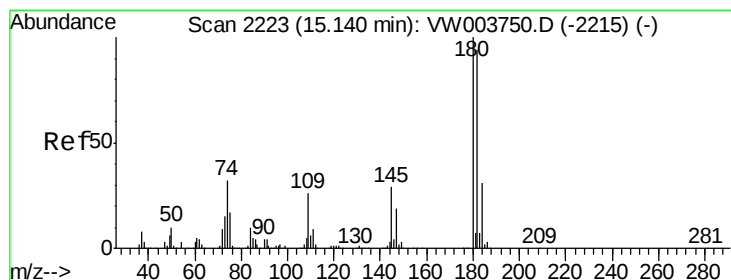
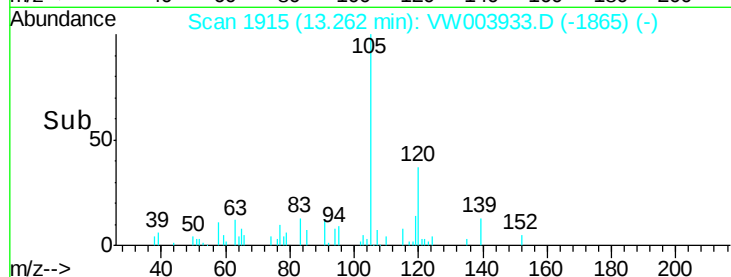
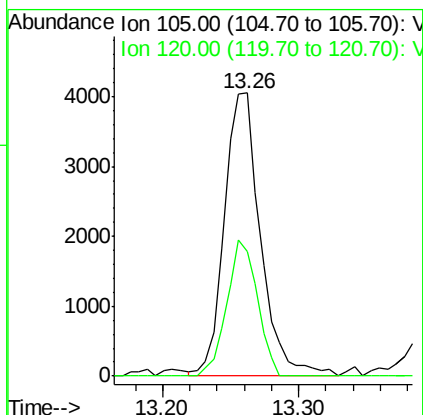
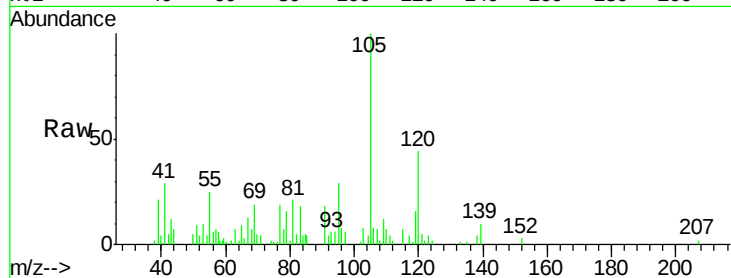




#84
 1,2,4-Trimethylbenzene
 Concen: 1.153 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

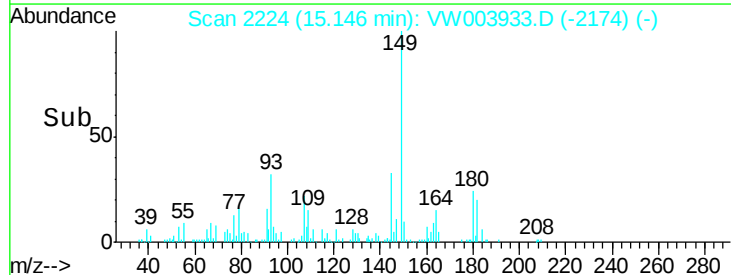
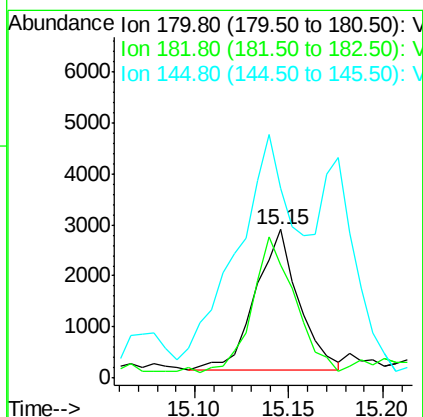
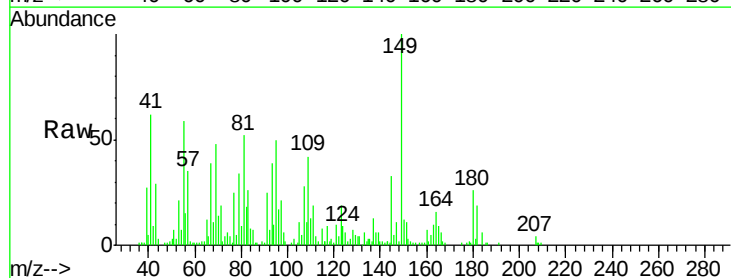
Instrument :
 MSVOA_W
 ClientSampleId :

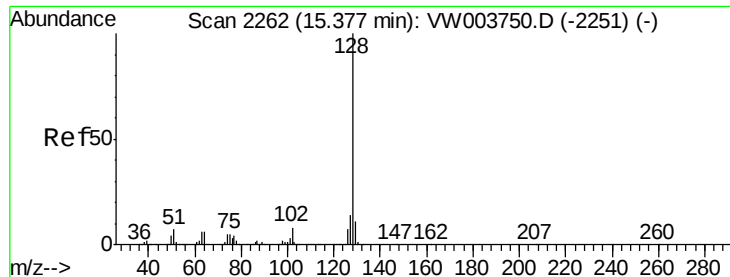
Tot Ion:105 Resp: 7498
 Ion Ratio Lower Upper
 105 100
 120 40.5 22.0 66.0



#93
 1,2,4-Trichlorobenzene
 Concen: 1.962 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003933.D
 Acq: 13 Jul 2018 23:13

Tgt Ion:180 Resp: 4366
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.4 142.2
 145 229.4 15.0 45.0#





#95

Naphthalene

Concen: 4.453 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

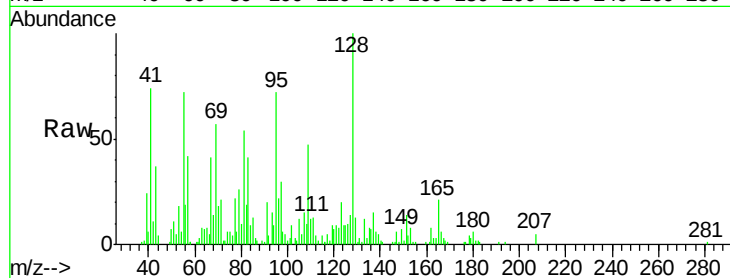
Lab File: VW003933.D

Acq: 13 Jul 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :



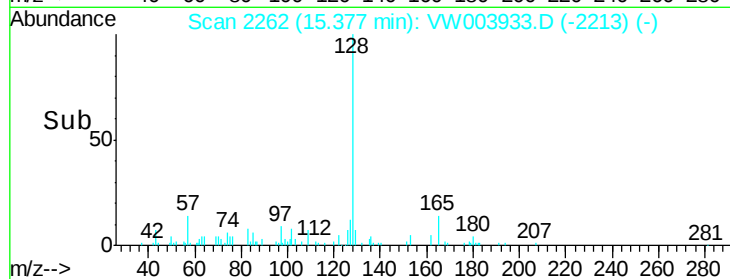
Tot Ion:128 Resp: 17707

Ion Ratio Lower Upper

128 100

127 19.5 10.8 16.2#

129 12.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

