

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004158.D
 Acq On : 24 Jul 2018 02:01
 Operator : SY/AP
 Sample : J4062-07
 Misc : 5.95G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:49:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	14379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	25150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	19577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4813	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	12989	80.81	ug/l	0.00
Spiked Amount			Recovery	=	161.62%	
35) Dibromofluoromethane	7.88	113	10615	65.78	ug/l	0.00
Spiked Amount			Recovery	=	131.56%	
50) Toluene-d8	10.33	98	23179	37.02	ug/l	0.00
Spiked Amount			Recovery	=	74.04%	
62) 4-Bromofluorobenzene	12.62	95	5350	23.69	ug/l	0.00
Spiked Amount			Recovery	=	47.38%	

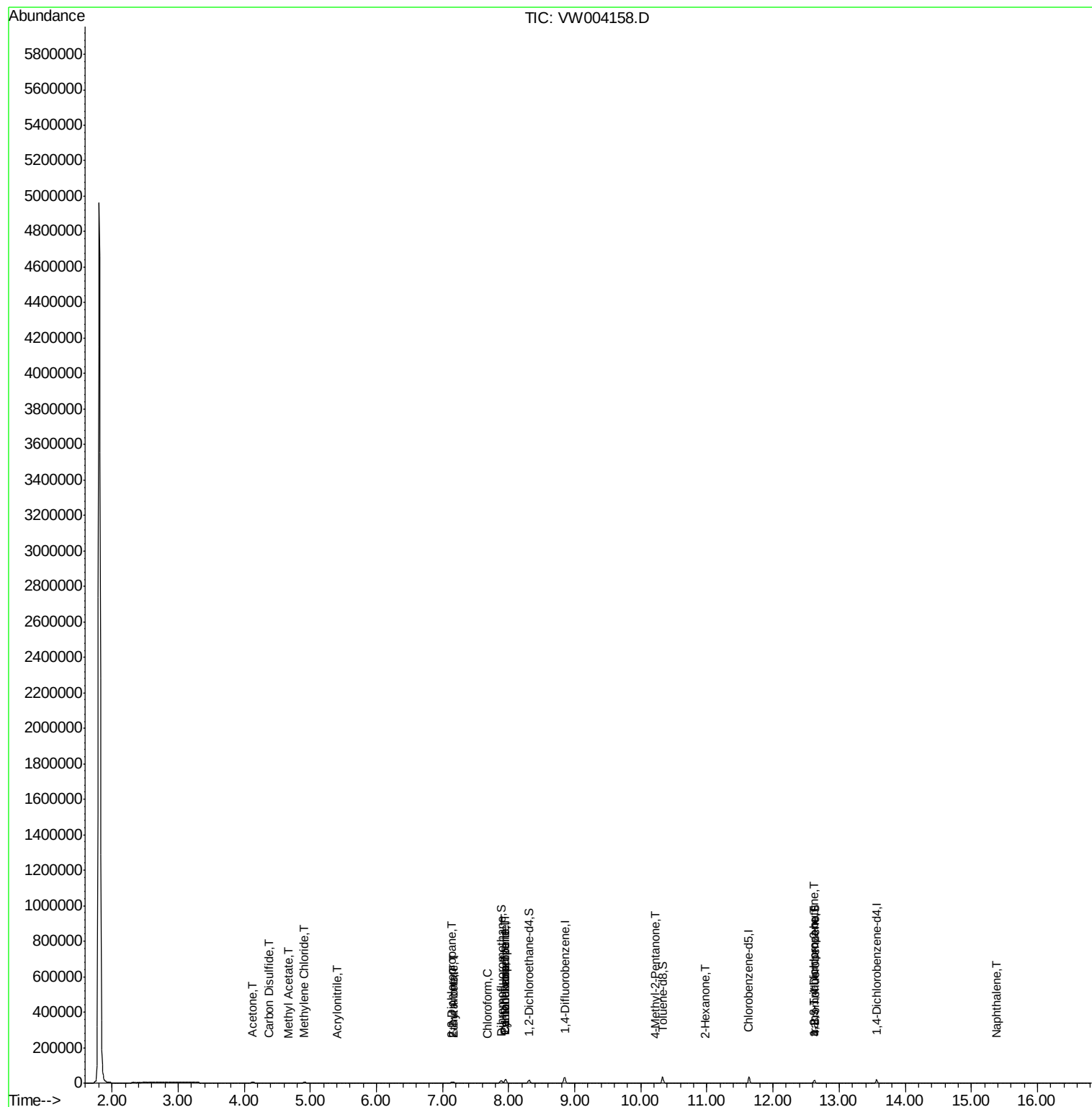
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	5.40	53	46	1.260	ug/l #	17
16) Acetone	4.12	43	11000	284.805	ug/l	97
17) Carbon Disulfide	4.37	76	1893	4.340	ug/l #	75
18) Methyl Acetate	4.67	43	606	6.536	ug/l #	62
20) Methylene Chloride	4.91	84	2954	11.229	ug/l #	94
25) 2-Butanone	7.18	43	2489	47.888	ug/l	95
26) 2,2-Dichloropropane	7.13	77	183	1.121	ug/l #	52
30) Chloroform	7.68	83	553	1.955	ug/l #	71
31) Cyclohexane	7.95	56	384	1.440	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	1462	5.650	ug/l #	45
37) Ethyl Acetate	7.18	43	2489	19.943	ug/l #	70
38) Carbon Tetrachloride	7.95	117	1469	6.076	ug/l #	13
51) 4-Methyl-2-Pentanone	10.22	43	224	1.801	ug/l #	38
59) 2-Hexanone	10.98	43	118	1.346	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	2572	53.828	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	2572	119.066	ug/l #	11
95) Naphthalene	15.38	128	297	1.582	ug/l #	69

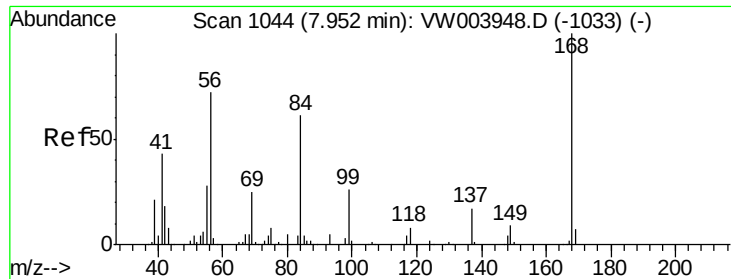
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072318\
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QLast Update : Mon Jul 16 15:06:12 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: VW004158.D

Acq: 24 Jul 2018 02:01

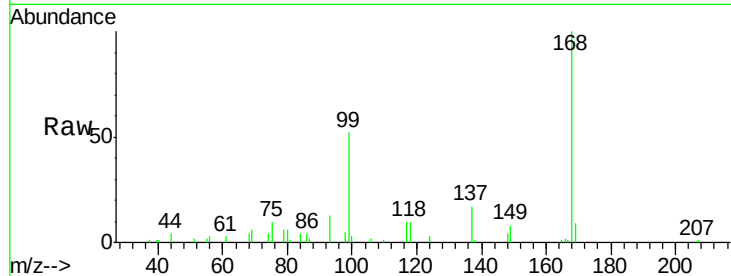
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 14379

Ion Ratio Lower Upper

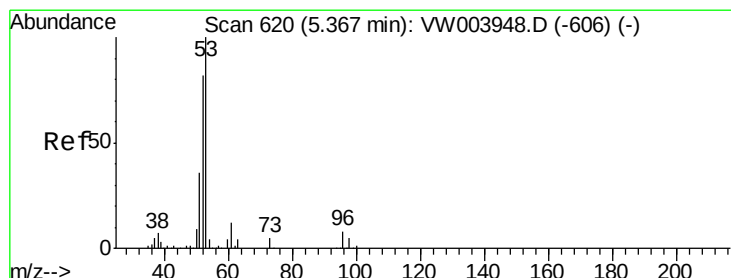
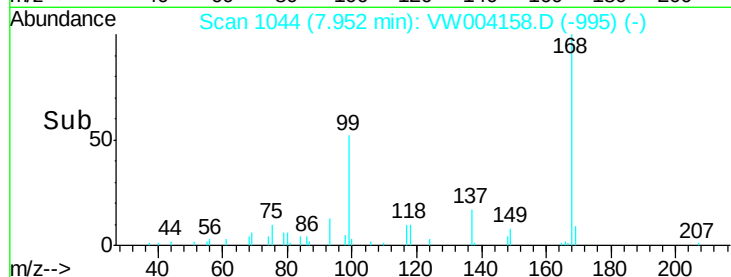
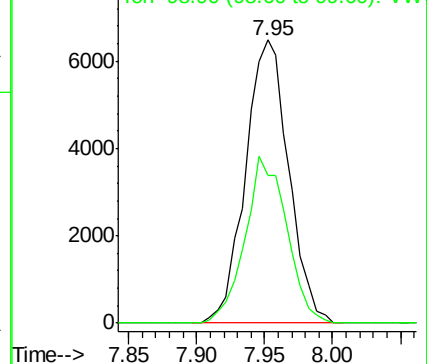
168 100

99 52.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#15

Acrylonitrile

Concen: 1.260 ug/l

RT: 5.40 min Scan# 626

Delta R.T. 0.04 min

Lab File: VW004158.D

Acq: 24 Jul 2018 02:01

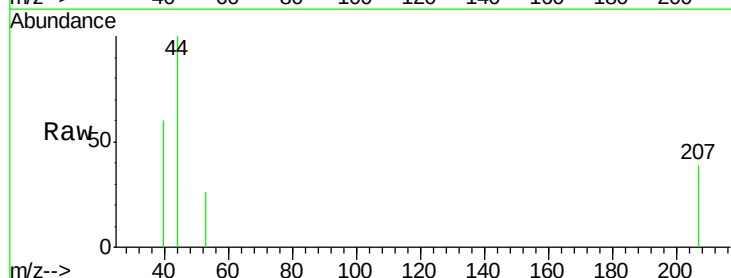
Tgt Ion: 53 Resp: 46

Ion Ratio Lower Upper

53 100

52 0.0 66.1 99.1#

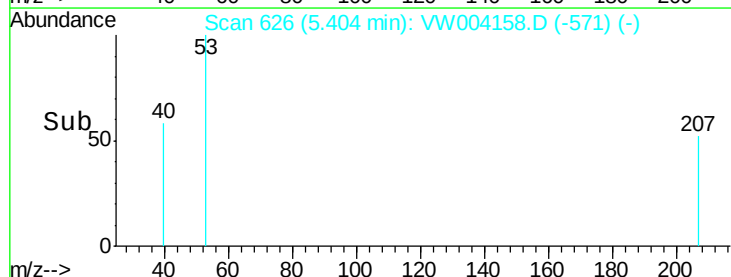
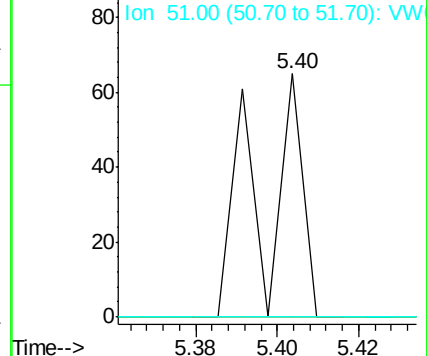
51 0.0 29.8 44.6#

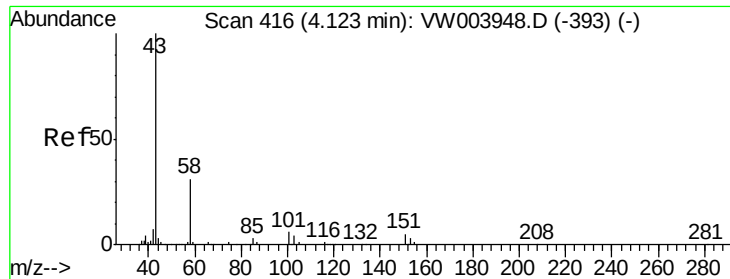


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 284.805 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004158.D

Acq: 24 Jul 2018 02:01

Instrument :

MSVOA_W

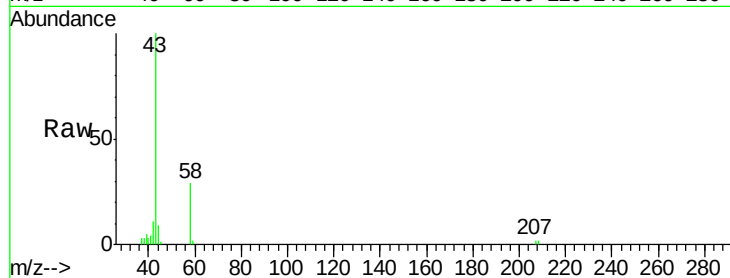
ClientSampled :

Tot Ion: 43 Resp: 11000

Ion Ratio Lower Upper

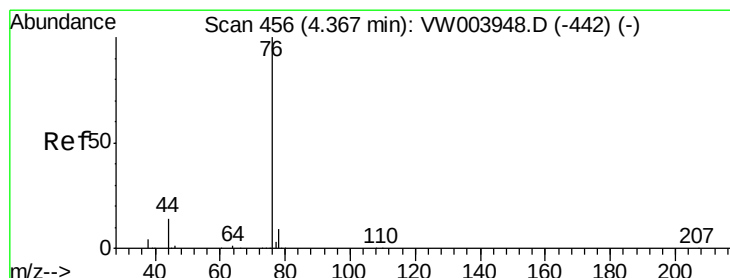
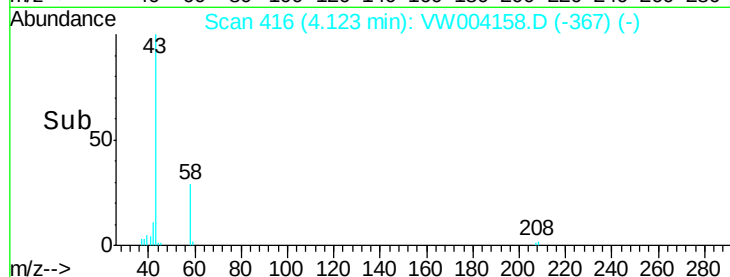
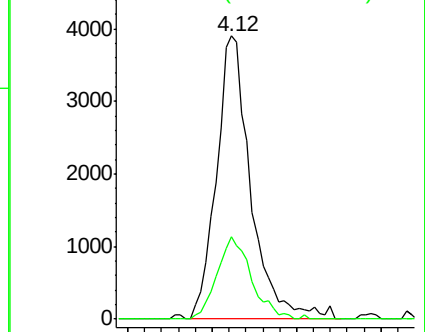
43 100

58 28.9 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 4.340 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004158.D

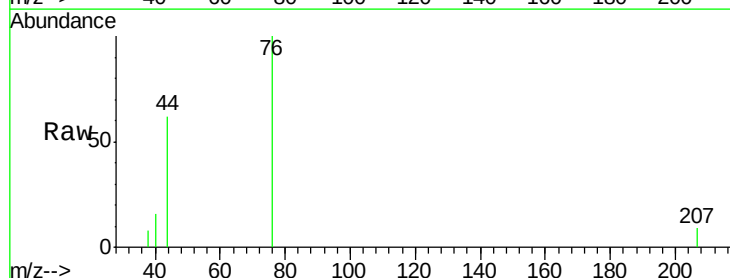
Acq: 24 Jul 2018 02:01

Tgt Ion: 76 Resp: 1893

Ion Ratio Lower Upper

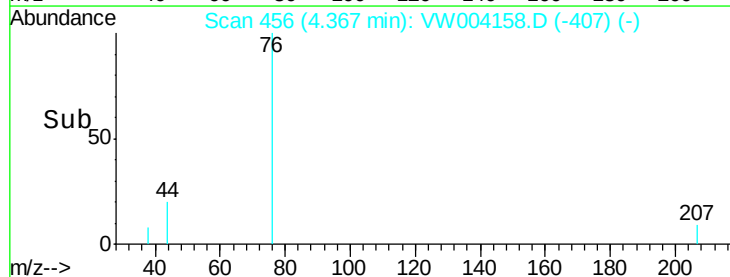
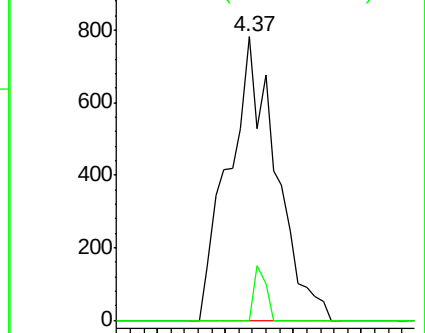
76 100

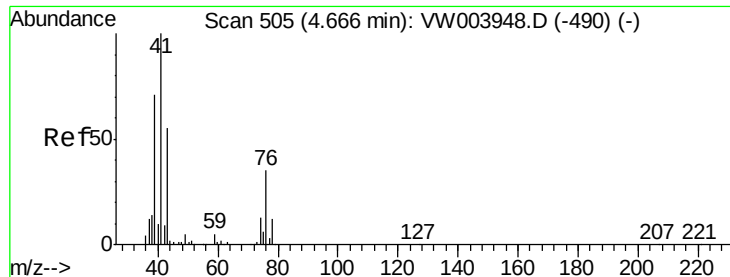
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

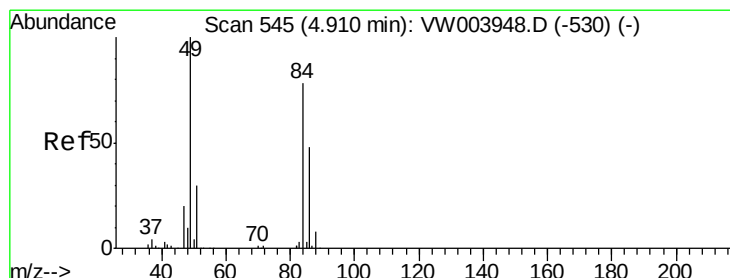
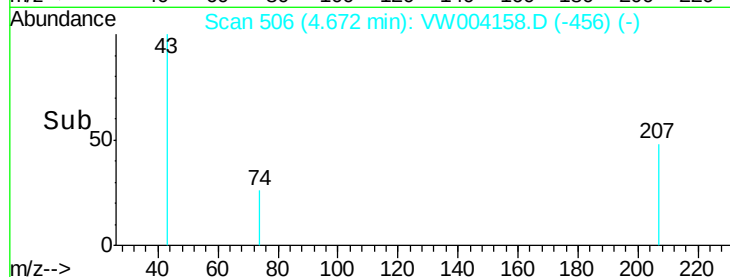
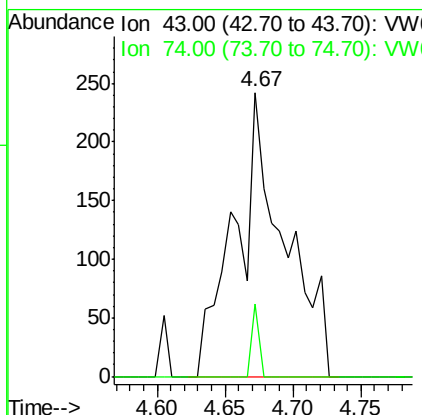
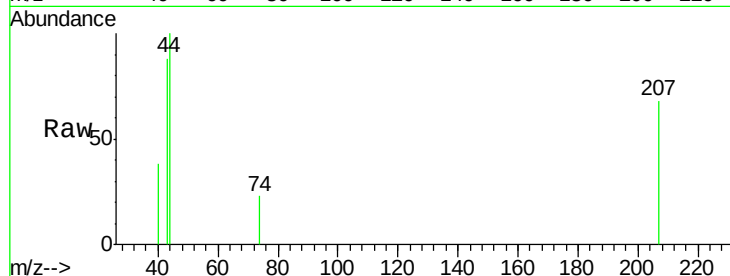




#18
Methyl Acetate
Concen: 6.536 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

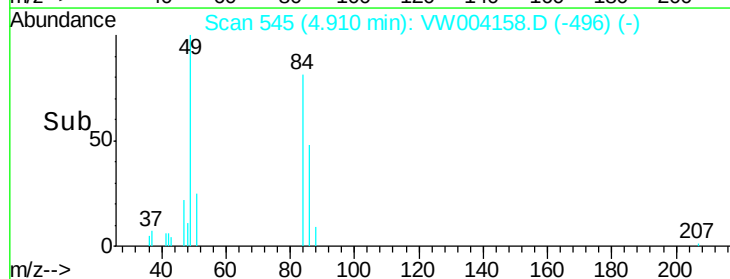
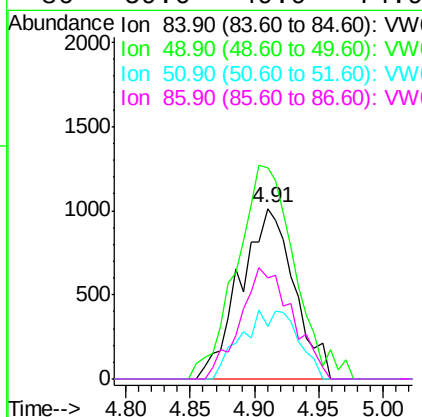
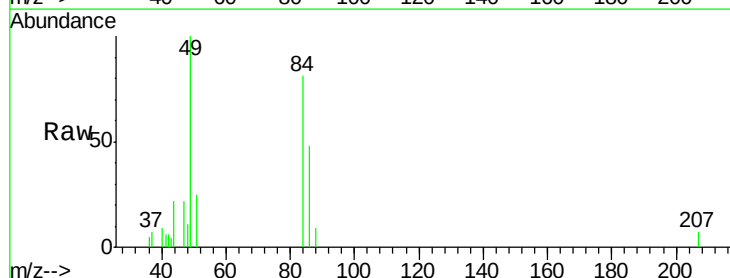
Instrument :
MSVOA_W
ClientSampled :

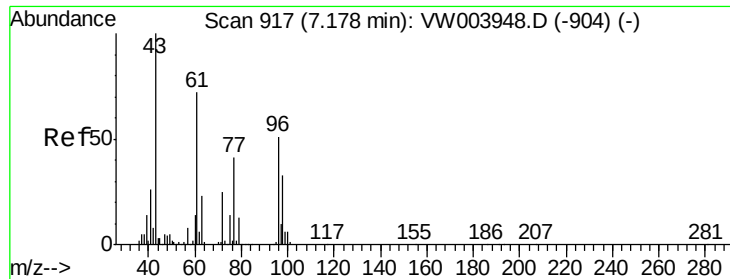
Tot Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
74 3.8 17.7 26.5#



#20
Methylene Chloride
Concen: 11.229 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

Tgt Ion: 84 Resp: 2954
Ion Ratio Lower Upper
84 100
49 123.6 102.9 154.3
51 30.8 30.9 46.3#
86 59.6 49.9 74.9





#25

2-Butanone

Concen: 47.888 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004158.D

Acq: 24 Jul 2018 02:01

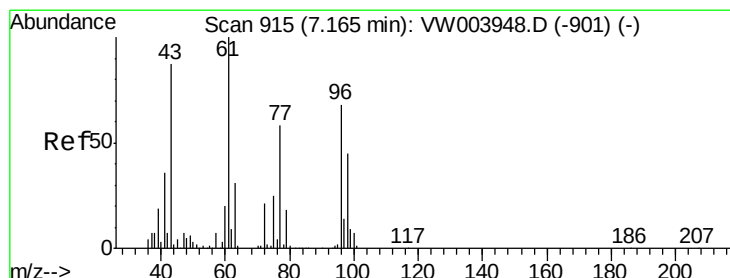
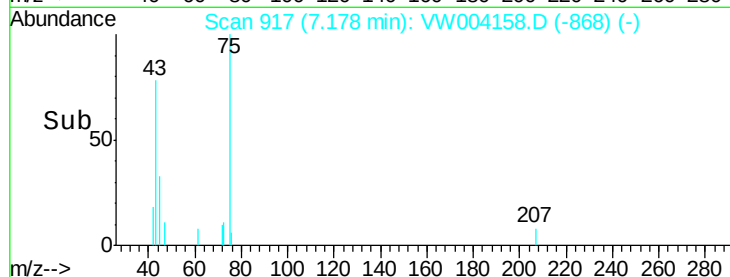
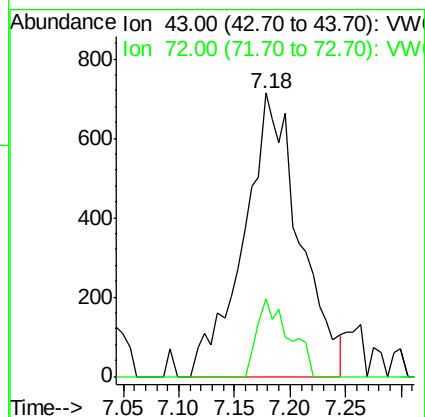
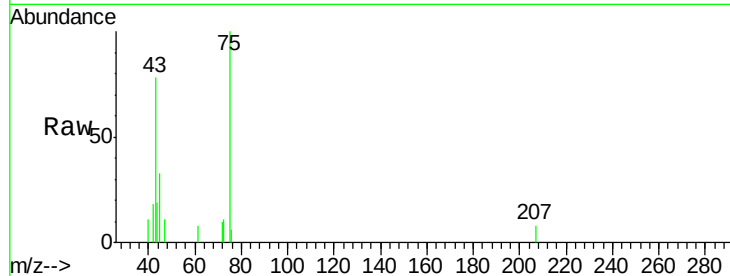
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2489

Ion Ratio Lower Upper

43 100

72 27.2 19.8 29.6



#26

2,2-Dichloropropane

Concen: 1.121 ug/l

RT: 7.13 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW004158.D

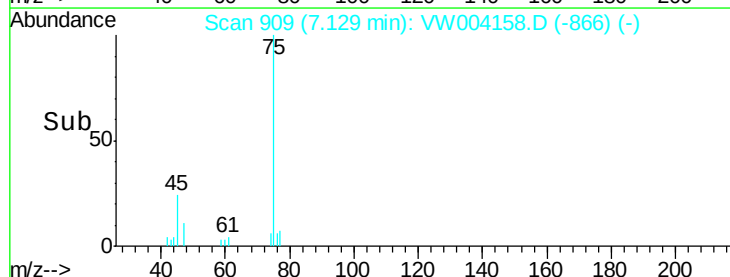
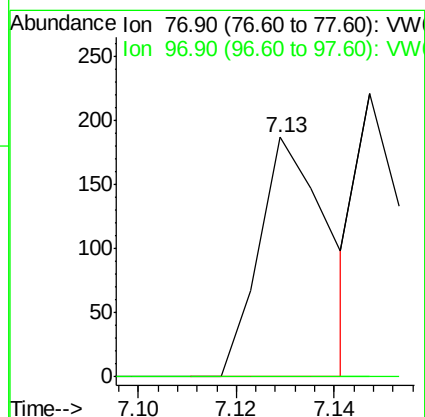
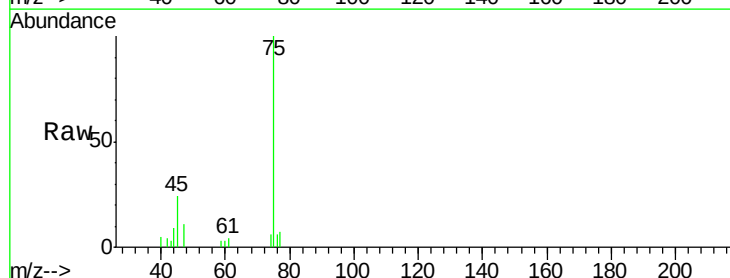
Acq: 24 Jul 2018 02:01

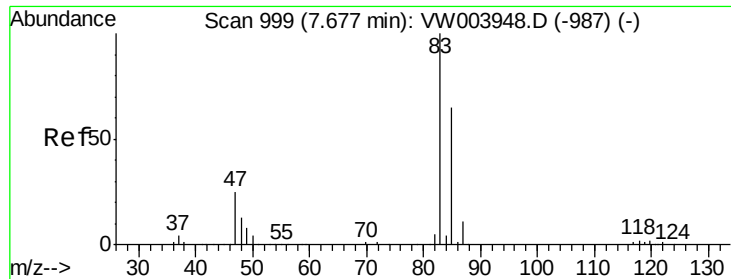
Tgt Ion: 77 Resp: 183

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#

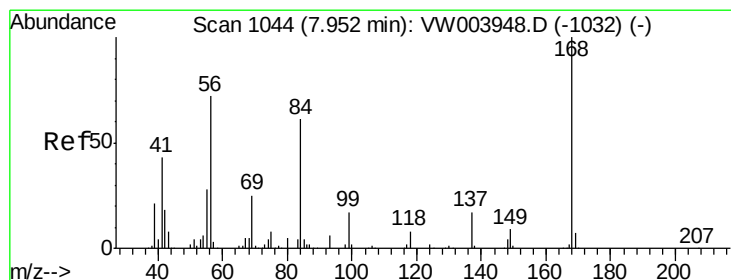
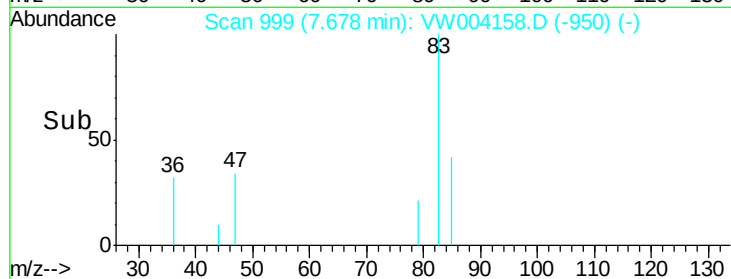
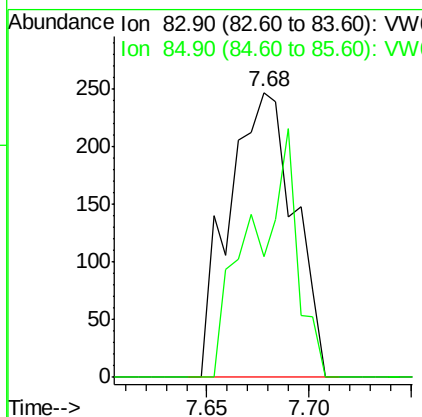
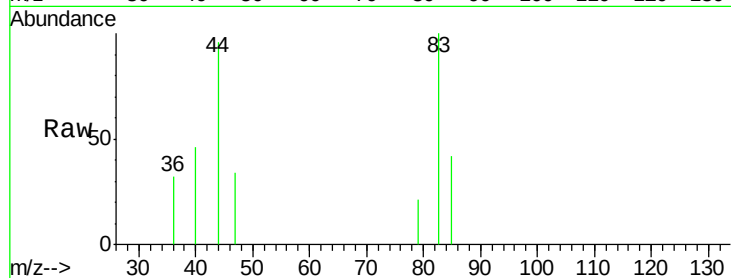




#30
Chloroform
Concen: 1.955 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

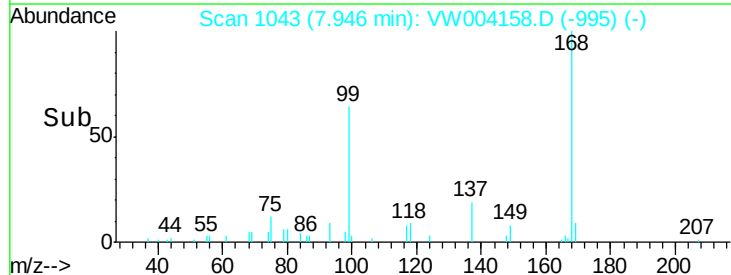
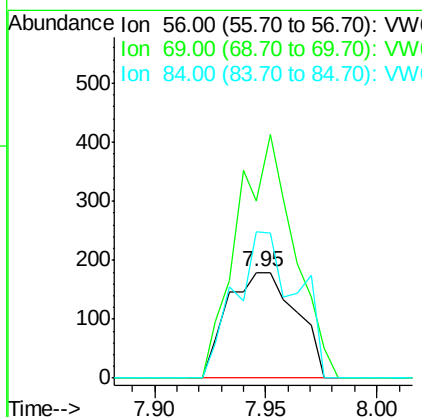
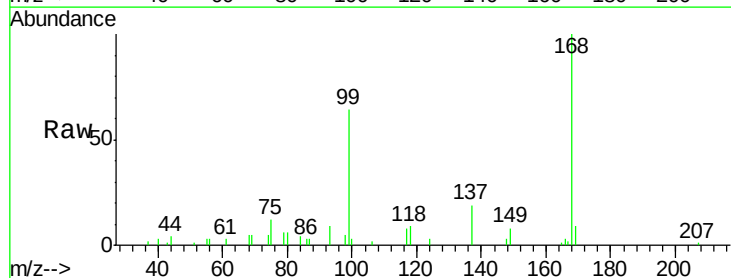
Instrument :
MSVOA_W
ClientSampled :

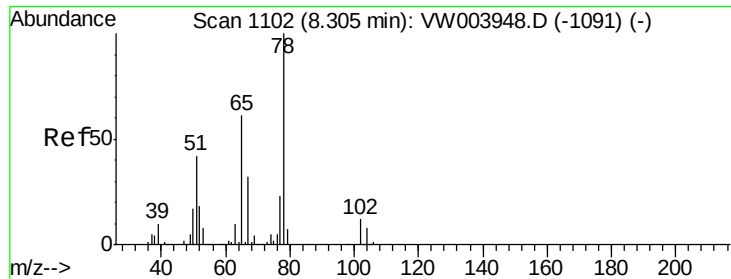
Tot Ion: 83 Resp: 553
Ion Ratio Lower Upper
83 100
85 42.1 52.2 78.4#



#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

Tgt Ion: 56 Resp: 384
Ion Ratio Lower Upper
56 100
69 168.2 27.8 41.8#
84 139.1 67.2 100.8#

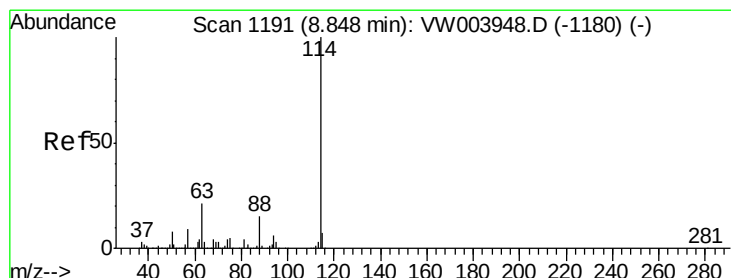
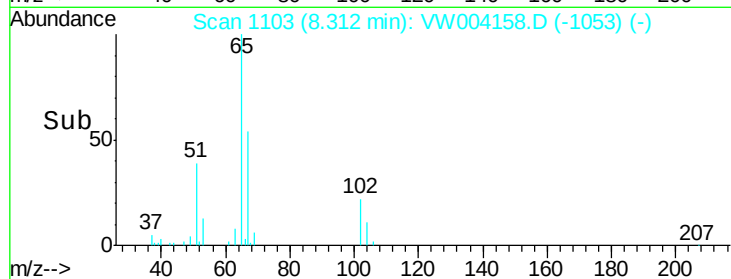
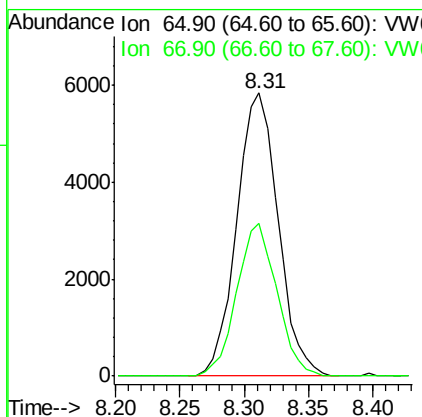
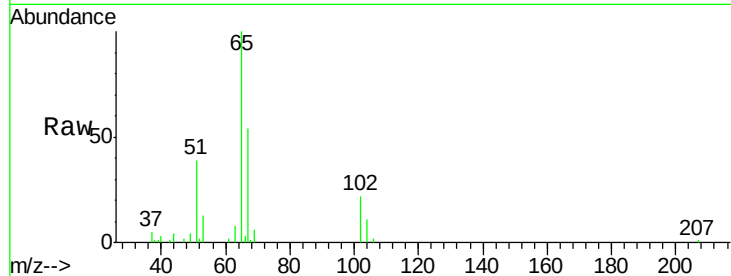




#33
 1,2-Dichloroethane-d4
 Concen: 80.813 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004158.D
 Acq: 24 Jul 2018 02:01

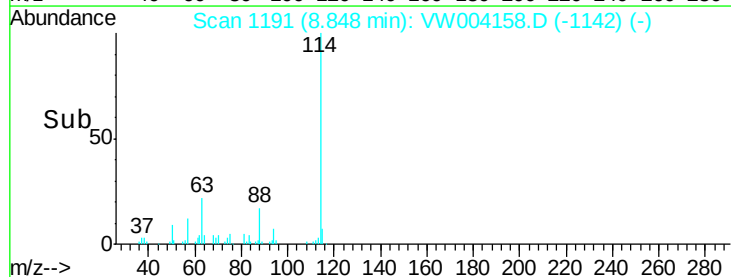
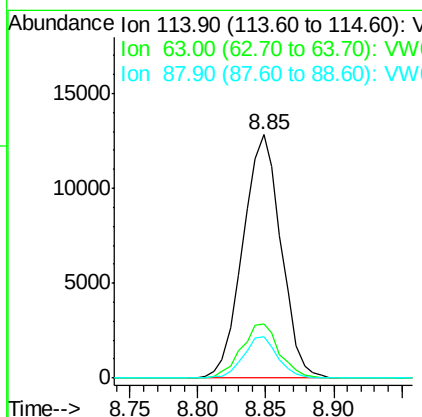
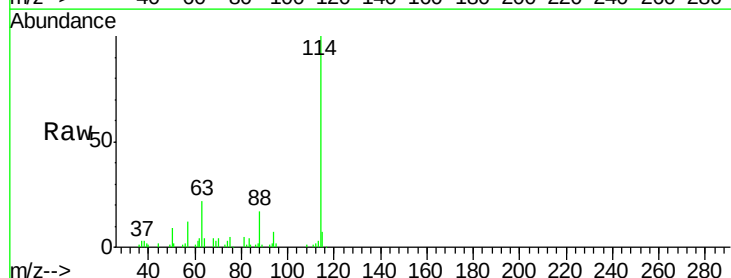
Instrument :
 MSVOA_W
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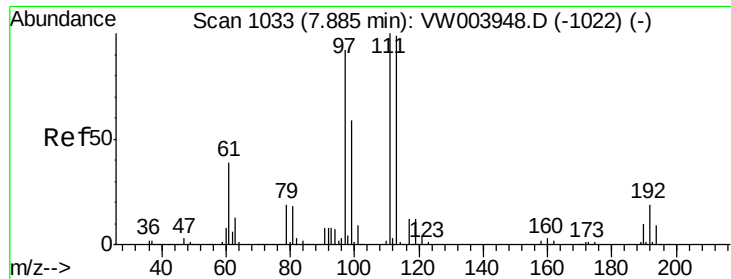
Tot Ion: 65 Resp: 12989
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004158.D
 Acq: 24 Jul 2018 02:01

Tgt Ion: 114 Resp: 25150
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.8
 88 16.8 0.0 30.4

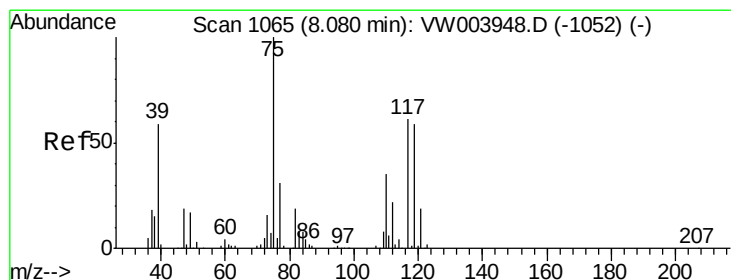
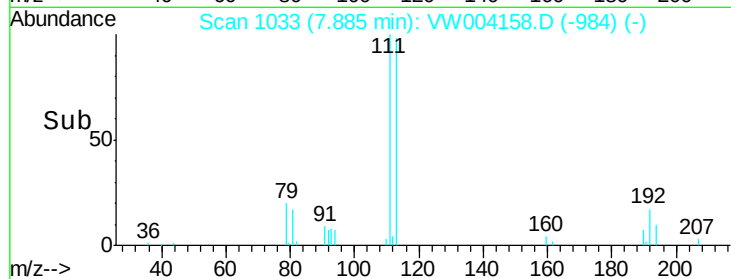
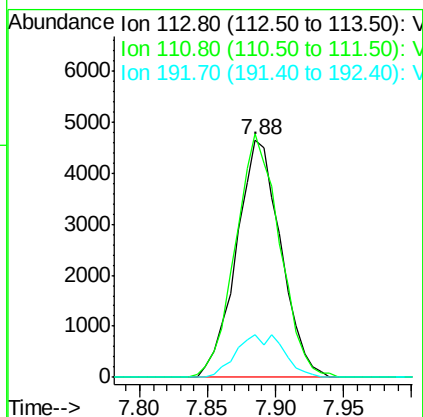
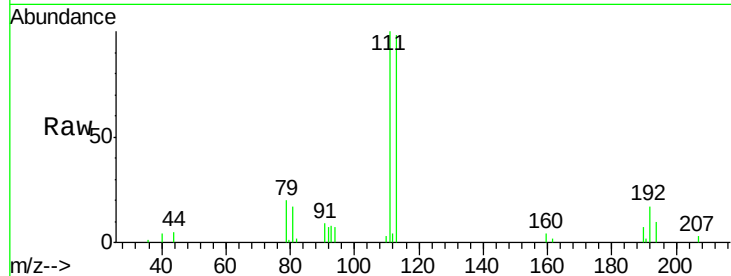




#35
Dibromofluoromethane
Concen: 65.781 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

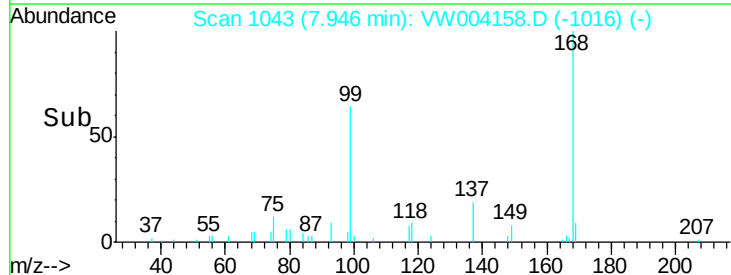
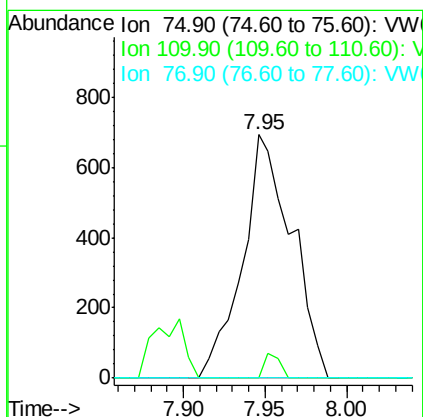
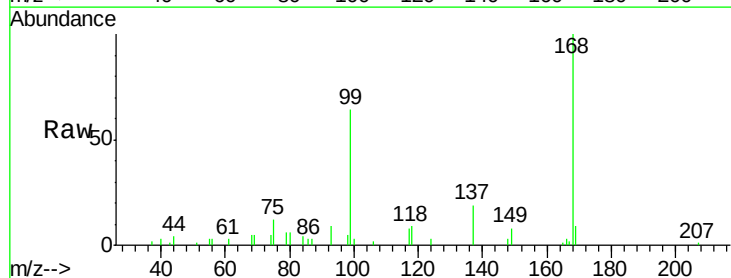
Instrument :
MSVOA_W
ClientSampleId :

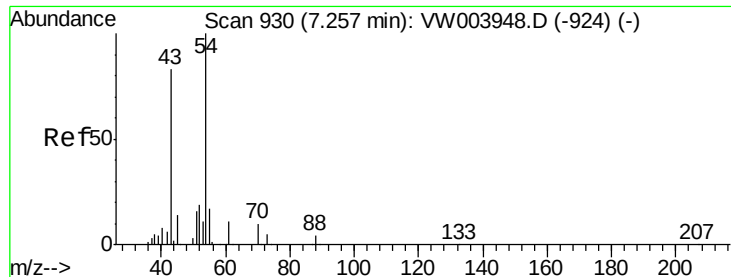
Tot Ion:113 Resp: 10615
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.3 15.8 23.6



#36
1,1-Dichloropropene
Concen: 5.650 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

Tgt Ion: 75 Resp: 1462
Ion Ratio Lower Upper
75 100
110 3.2 17.0 51.0#
77 0.0 24.9 37.3#

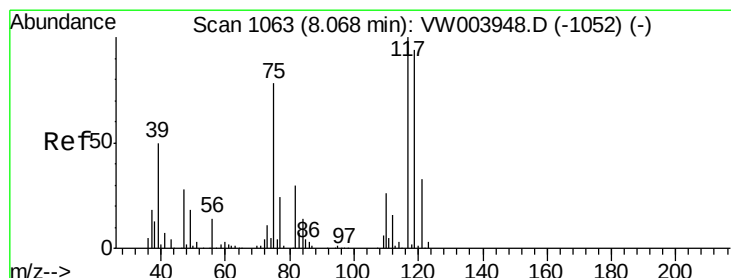
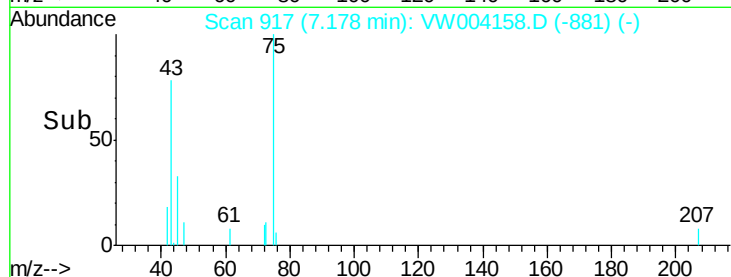
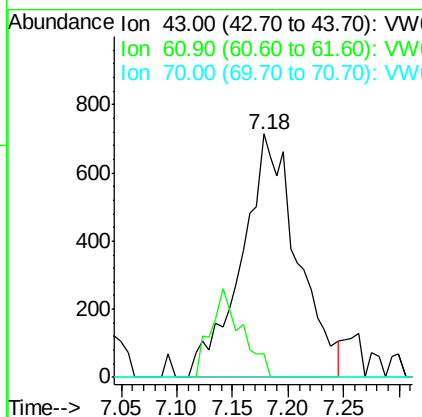
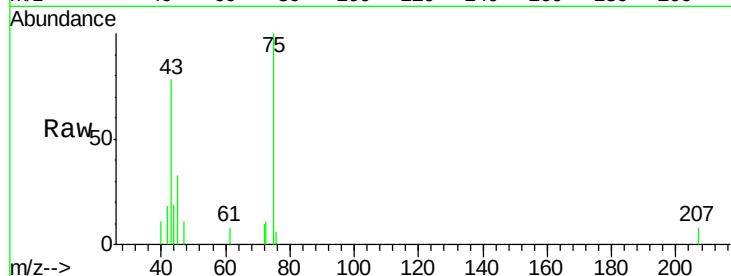




#37
Ethyl Acetate
Concen: 19.943 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.08 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

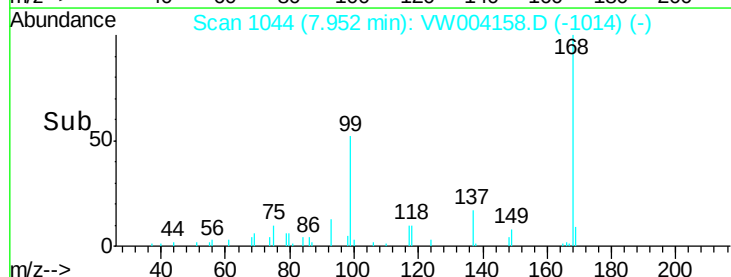
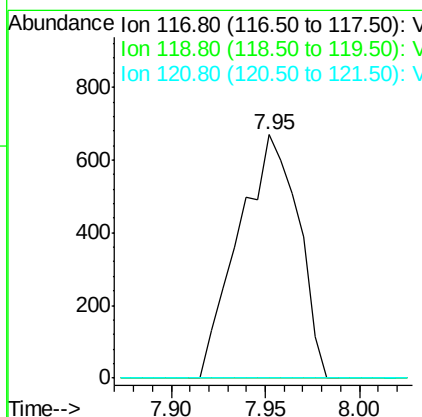
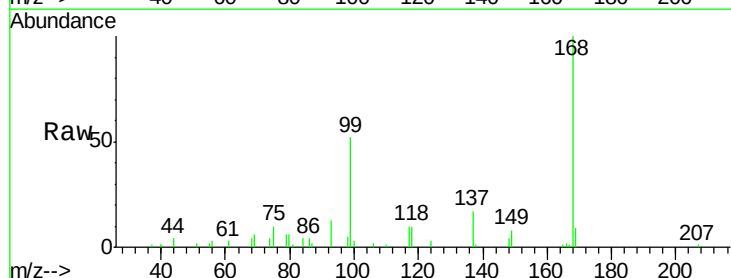
Instrument :
MSVOA_W
ClientSampled :

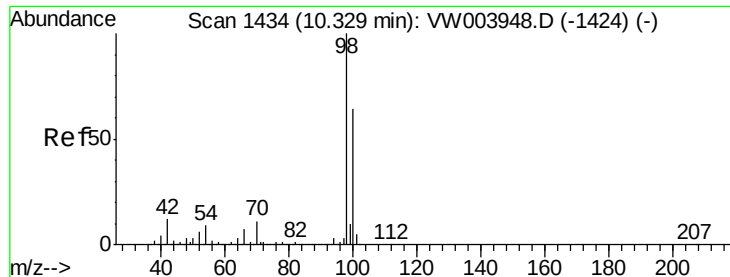
Tot Ion: 43 Resp: 2489
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

Tgt Ion: 117 Resp: 1469
Ion Ratio Lower Upper
117 100
119 0.0 75.3 112.9#
121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 37.018 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004158.D

Acq: 24 Jul 2018 02:01

Instrument :

MSVOA_W

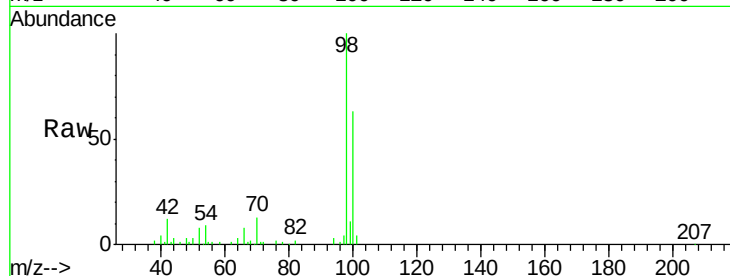
ClientSampled :

Tot Ion: 98 Resp: 23179

Ion Ratio Lower Upper

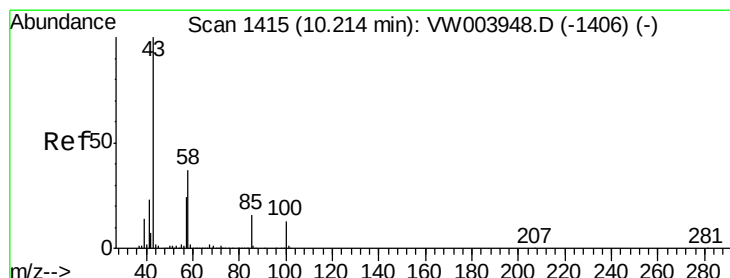
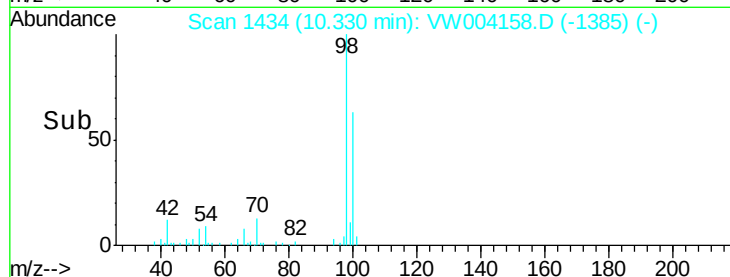
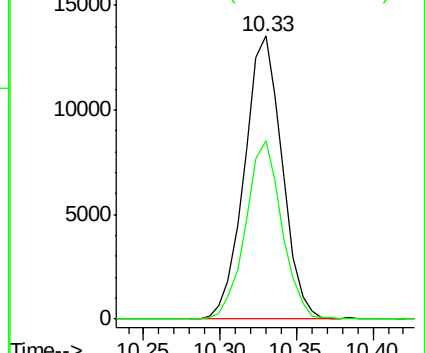
98 100

100 60.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.801 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004158.D

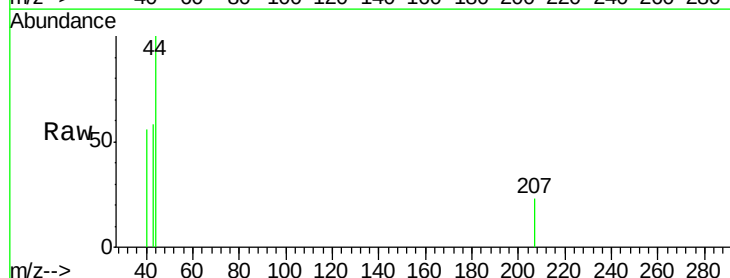
Acq: 24 Jul 2018 02:01

Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

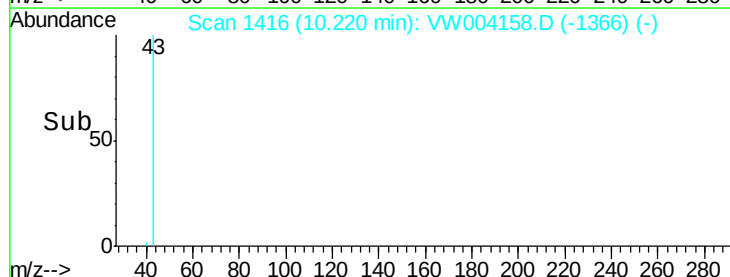
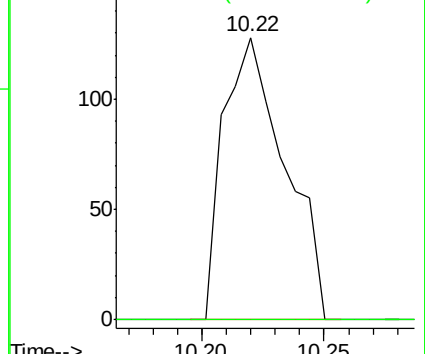
43 100

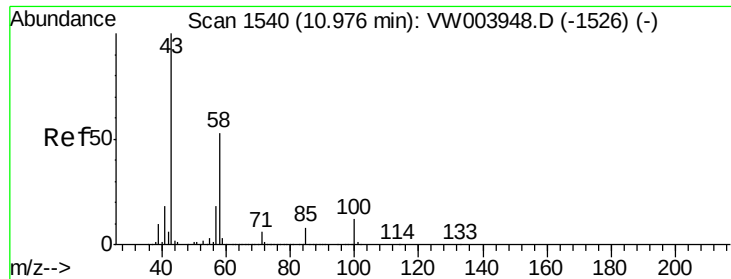
58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

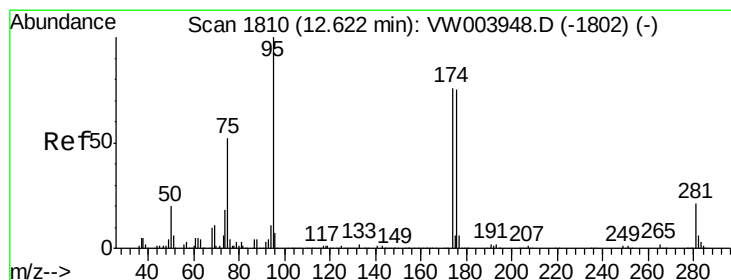
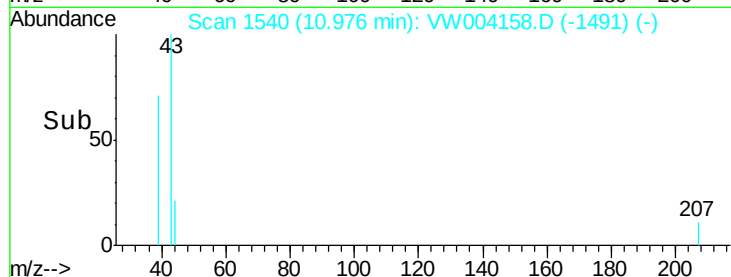
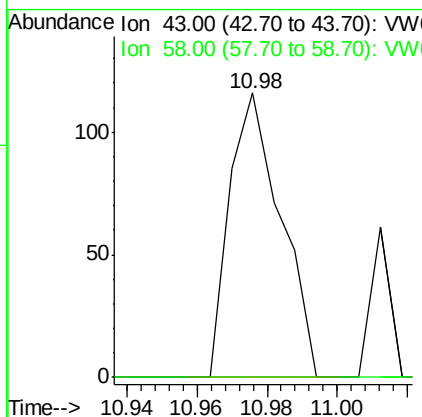
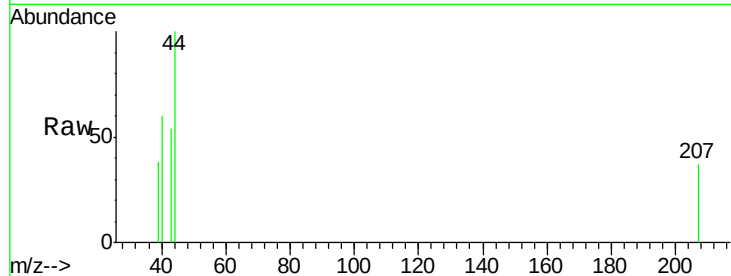




#59
2-Hexanone
Concen: 1.346 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

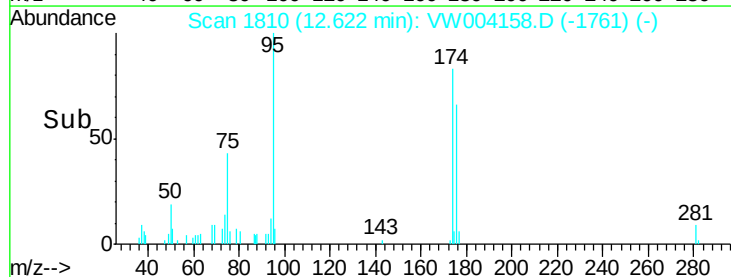
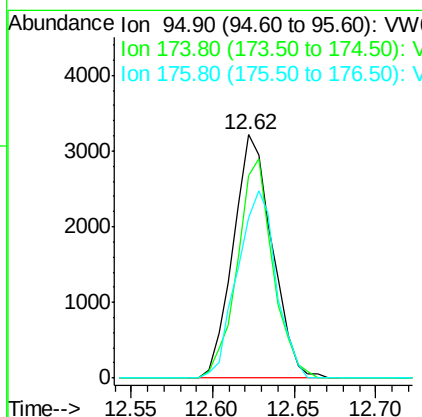
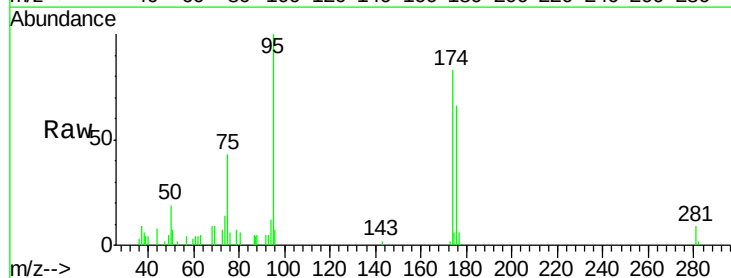
Instrument :
MSVOA_W
ClientSampleId :

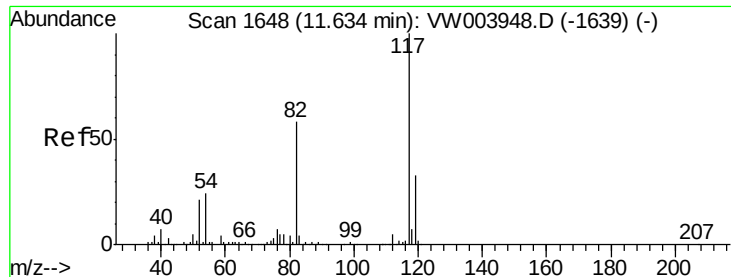
Tot Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
58 0.0 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 23.695 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

Tgt Ion: 95 Resp: 5350
Ion Ratio Lower Upper
95 100
174 82.4 0.0 160.2
176 76.7 0.0 155.8

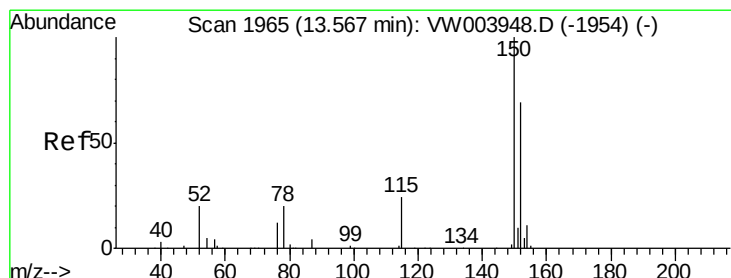
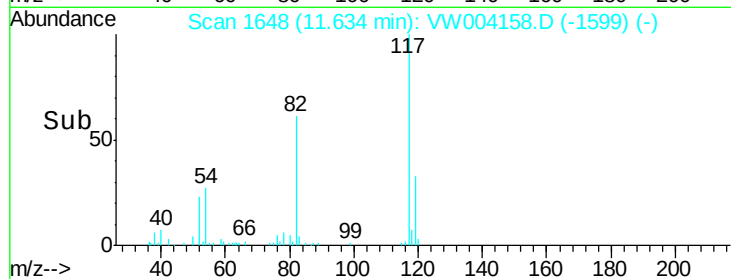
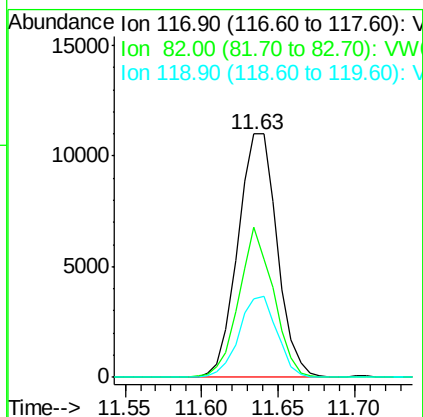
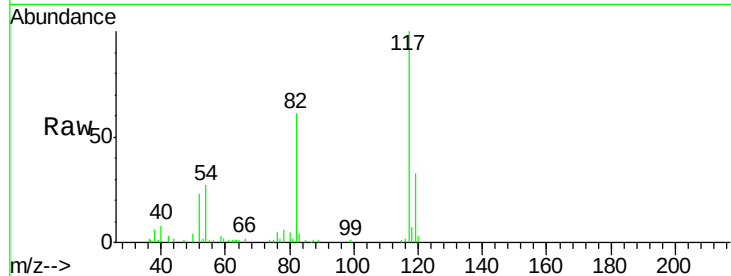




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

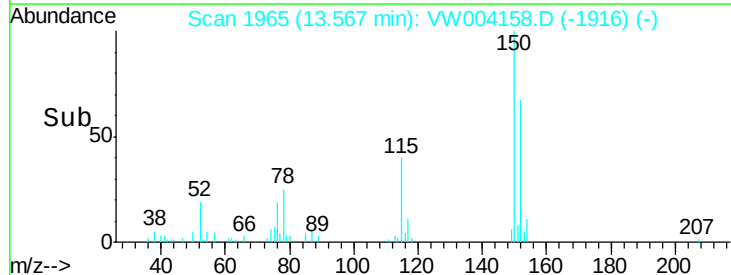
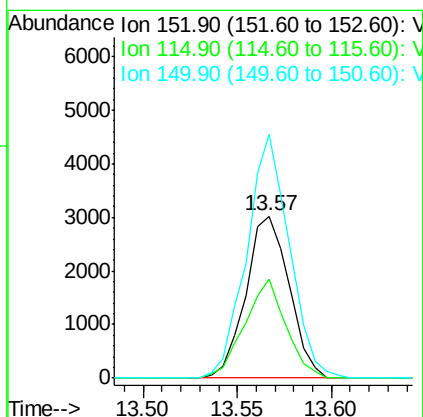
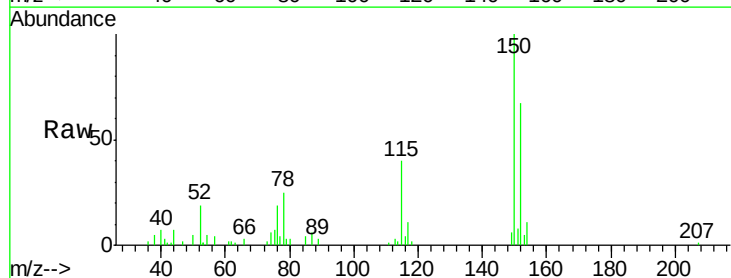
Instrument :
MSVOA_W
ClientSampleId :

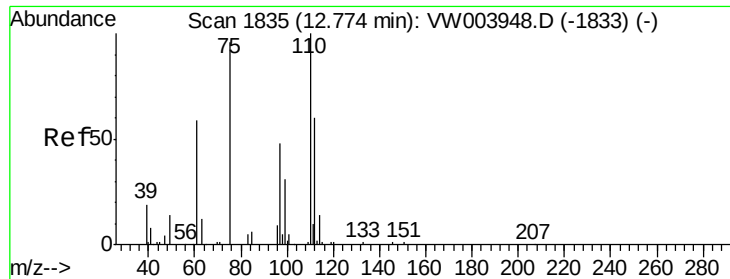
Tot Ion:117 Resp: 19577
Ion Ratio Lower Upper
117 100
82 61.5 46.5 69.7
119 32.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004158.D
Acq: 24 Jul 2018 02:01

Tgt Ion:152 Resp: 4813
Ion Ratio Lower Upper
152 100
115 58.3 29.2 87.6
150 147.7 0.0 345.2

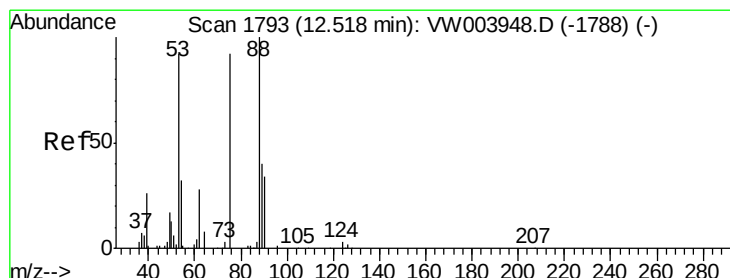
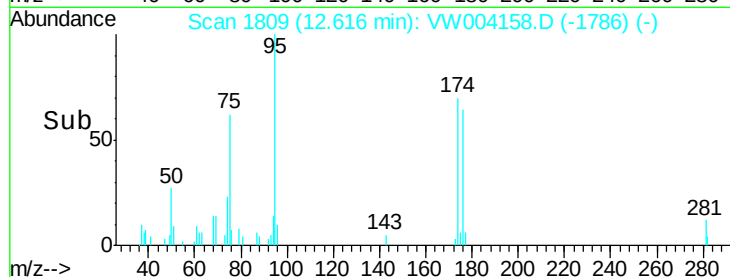
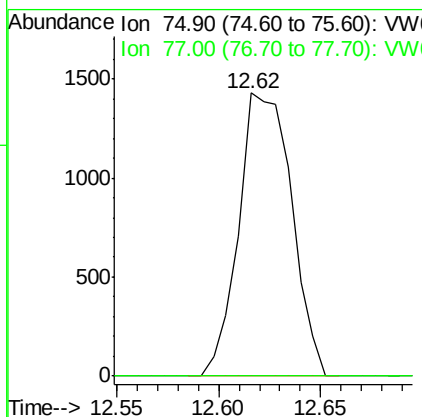
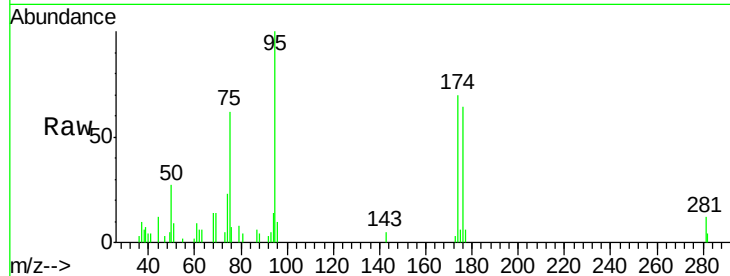




#76
 1,2,3-Trichloropropane
 Concen: 53.828 ug/l
 RT: 12.62 min Scan# 1809
 Delta R.T. -0.16 min
 Lab File: VW004158.D
 Acq: 24 Jul 2018 02:01

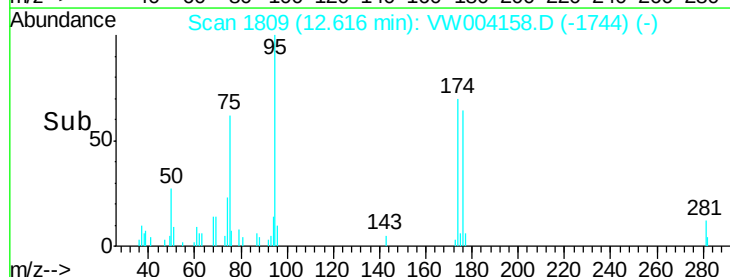
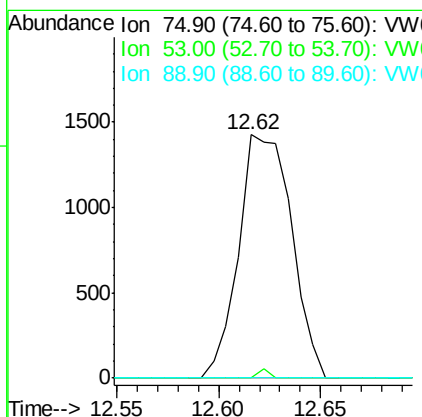
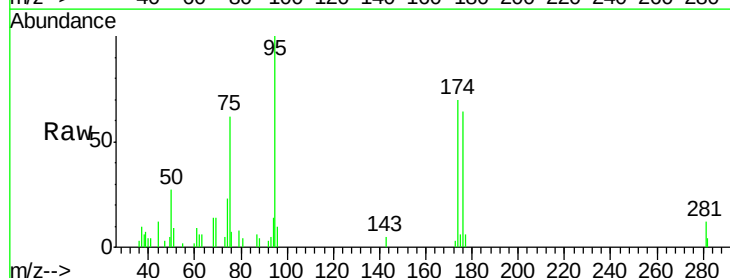
Instrument :
 MSVOA_W
 ClientSampleId :

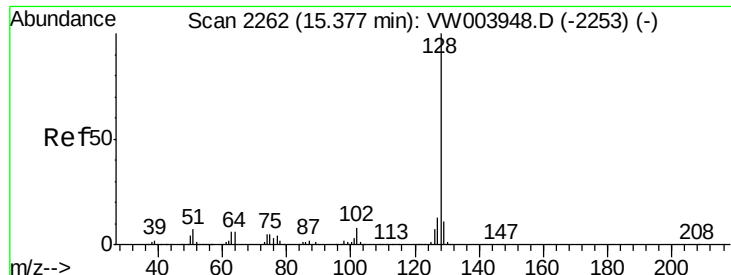
Tot Ion: 75 Resp: 2572
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.066 ug/l
 RT: 12.62 min Scan# 1809
 Delta R.T. 0.10 min
 Lab File: VW004158.D
 Acq: 24 Jul 2018 02:01

Tgt Ion: 75 Resp: 2572
 Ion Ratio Lower Upper
 75 100
 53 0.8 77.6 116.4#
 89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 1.582 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

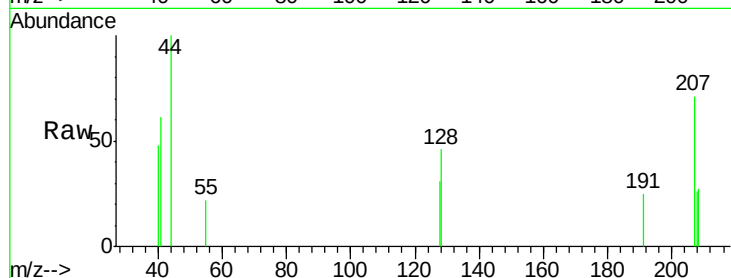
Lab File: VW004158.D

Acq: 24 Jul 2018 02:01

Instrument :

MSVOA_W

ClientSampleId :



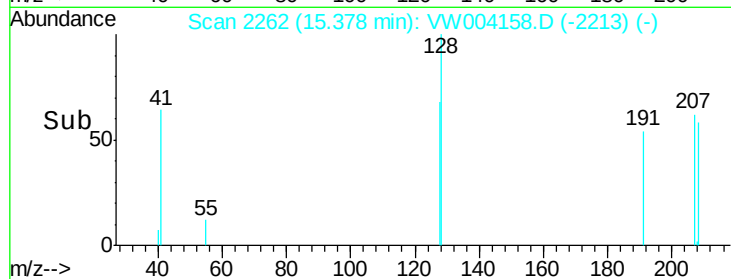
Tot Ion:128 Resp: 297

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



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

