

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005118.D
 Acq On : 05 Sep 2018 09:22
 Operator : SY/AP
 Sample : J4712-10
 Misc : 5.74G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 10:44:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	528656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	850020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	745231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	271976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	185866	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	
35) Dibromofluoromethane	7.89	113	172429	35.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.20%	
50) Toluene-d8	10.33	98	663843	29.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.66%	
62) 4-Bromofluorobenzene	12.62	95	211100	26.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.90%	

Target Compounds

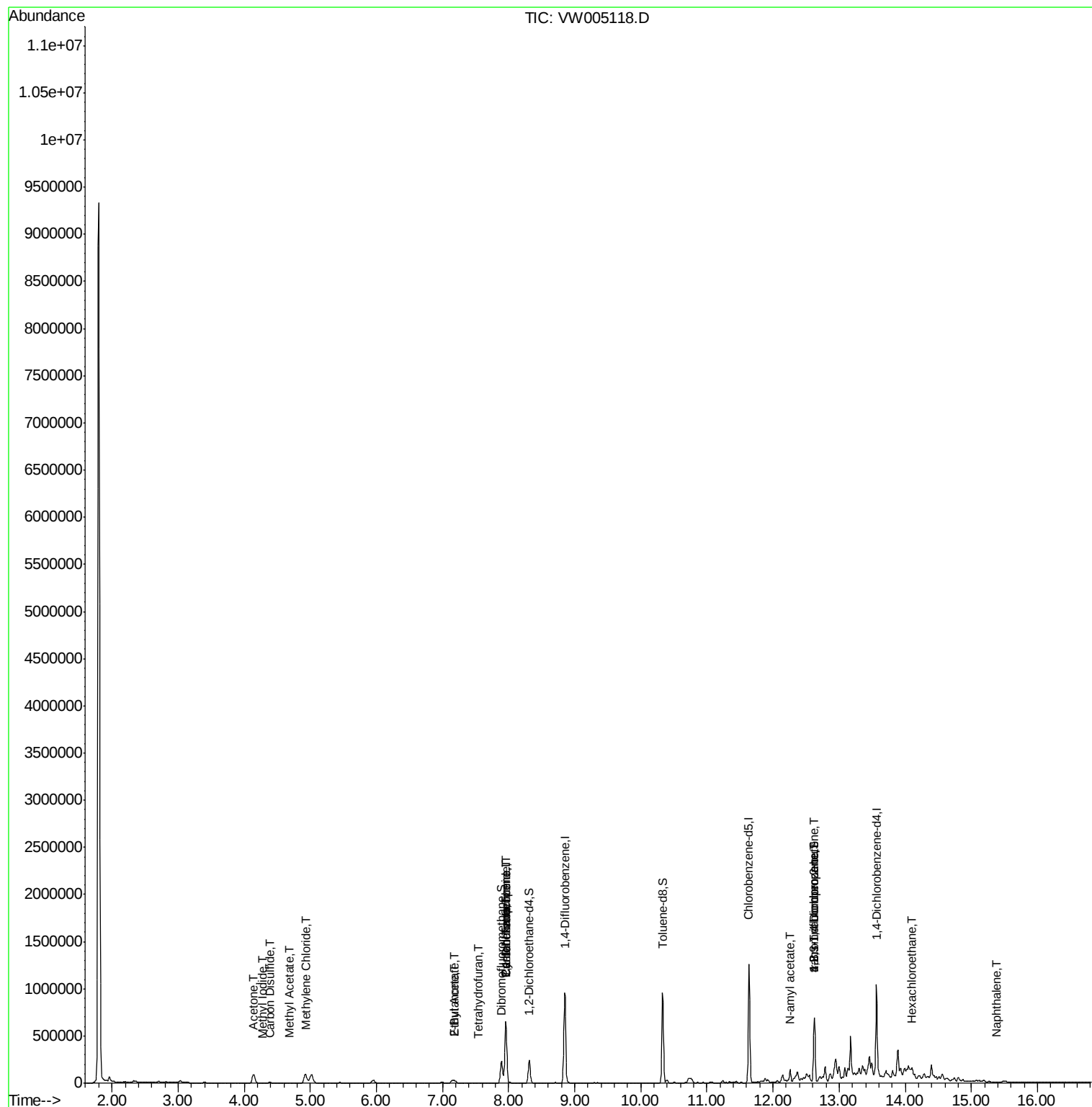
					Qvalue	
5) Bromomethane	2.78	94	985	Below Cal		88
10) Methyl Iodide	4.28	142	222	3.848 ug/l #		44
11) Tert butyl alcohol	5.17	59	868	Below Cal	#	72
16) Acetone	4.14	43	162825	185.267 ug/l		98
17) Carbon Disulfide	4.39	76	15369	1.032 ug/l		99
18) Methyl Acetate	4.68	43	6998	2.707 ug/l #		72
20) Methylene Chloride	4.93	84	76021	9.664 ug/l		95
25) 2-Butanone	7.19	43	33029	21.667 ug/l		99
29) Tetrahydrofuran	7.55	42	1131	1.452 ug/l #		73
31) Cyclohexane	7.95	56	9369	1.089 ug/l #		1
36) 1,1-Dichloropropene	7.96	75	36303	4.484 ug/l #		47
37) Ethyl Acetate	7.19	43	33029	10.909 ug/l #		66
38) Carbon Tetrachloride	7.96	117	46161	5.997 ug/l #		16
74) N-amyl acetate	12.26	43	26666	8.076 ug/l #		68
76) 1,2,3-Trichloropropane	12.62	75	100414	49.186 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	100414	118.385 ug/l #		15
90) Hexachloroethane	14.10	117	3552	1.187 ug/l #		5
95) Naphthalene	15.38	128	2968	4.258 ug/l #		85

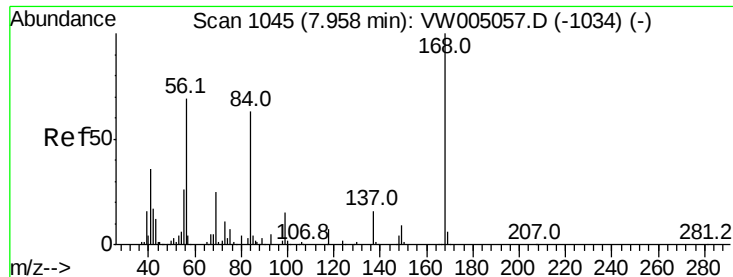
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

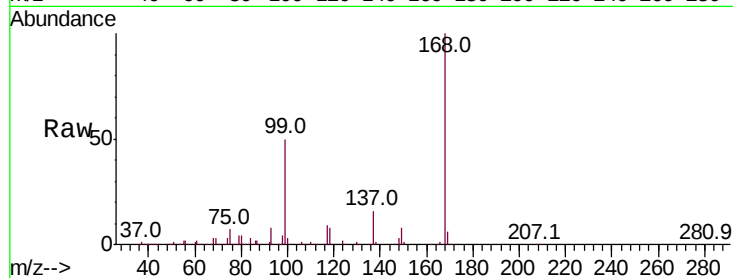
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 528656

Ion Ratio Lower Upper

168 100

99 49.9 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

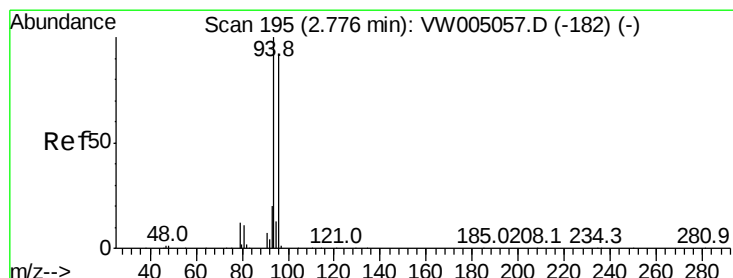
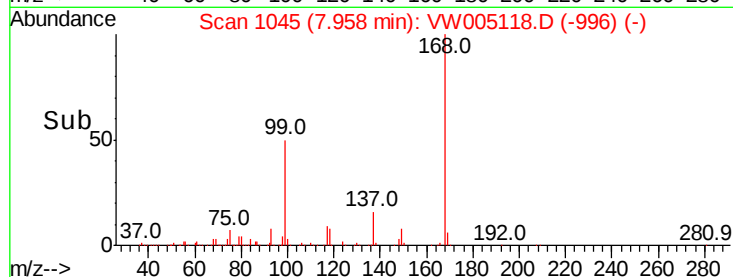
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW005118.D

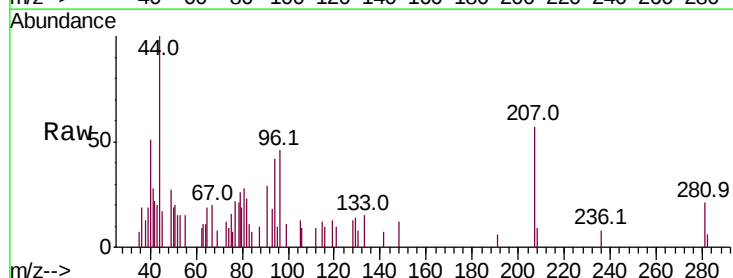
Acq: 05 Sep 2018 09:22

Tgt Ion: 94 Resp: 985

Ion Ratio Lower Upper

94 100

96 79.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

400

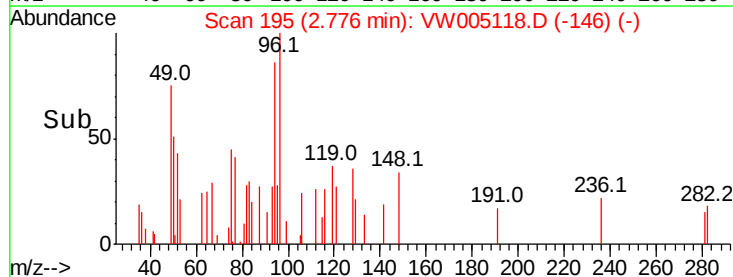
300

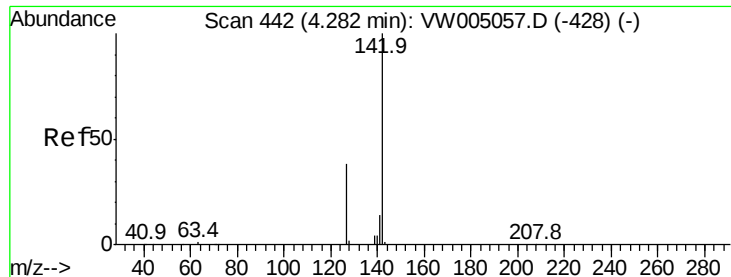
200

100

0

Time-->





#10

Methvl Iodide

Concen: 3.848 ug/l

RT: 4.28 min Scan# 442

Delta R.T. 0.00 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

Instrument :
MSVOA_W
ClientSampleId :

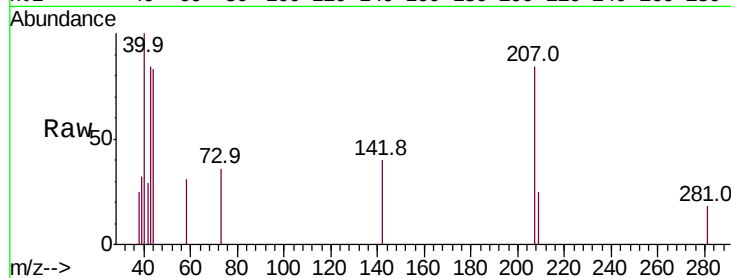
Tot Ion:142 Resp: 222

Ion Ratio Lower Upper

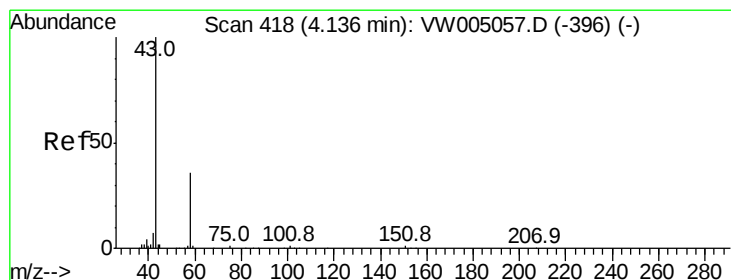
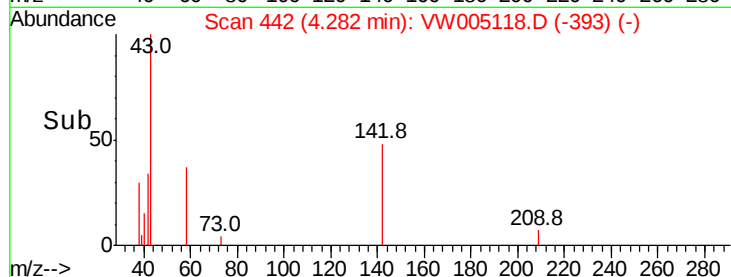
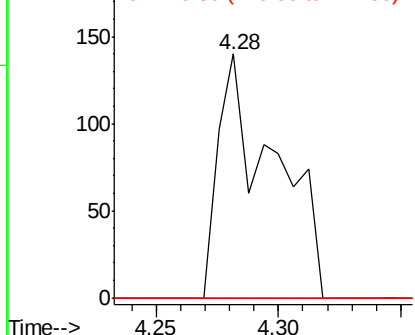
142 100

127 0.0 30.8 46.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: 185.267 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW005118.D

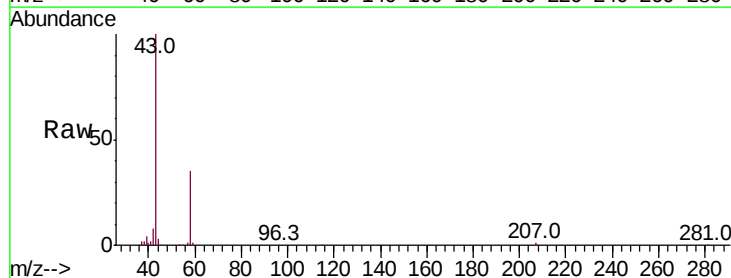
Acq: 05 Sep 2018 09:22

Tgt Ion: 43 Resp: 162825

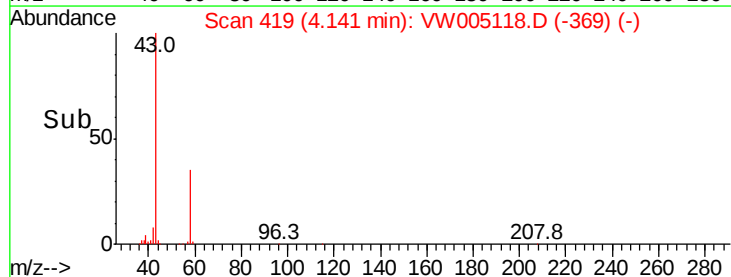
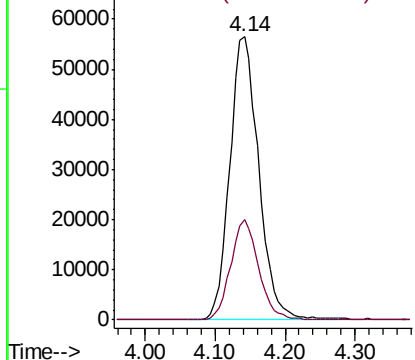
Ion Ratio Lower Upper

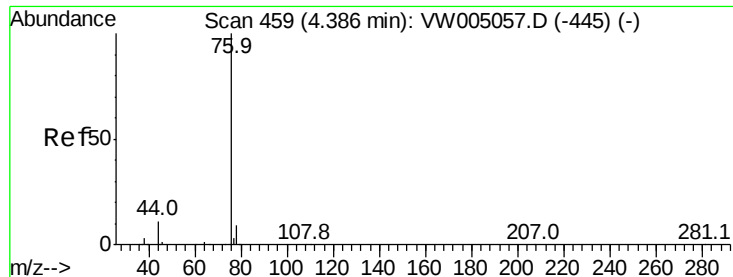
43 100

58 35.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.032 ug/l

RT: 4.39 min Scan# 460

Delta R.T. 0.01 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

Instrument :

MSVOA_W

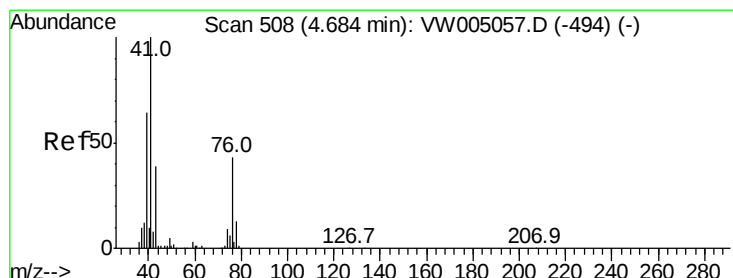
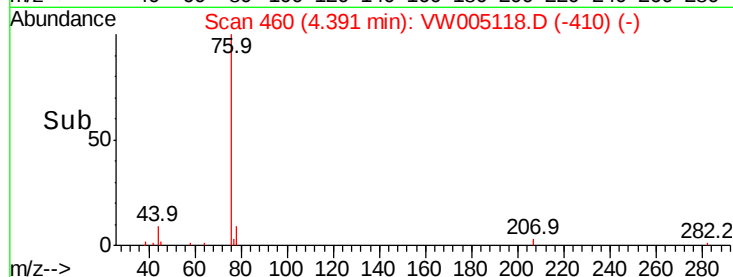
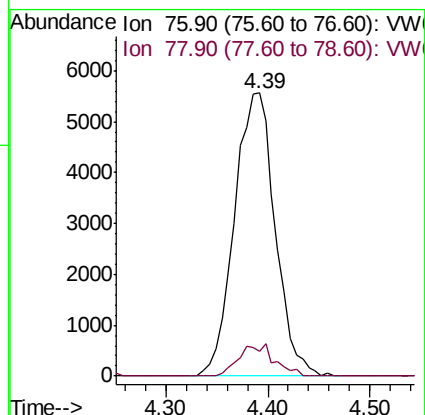
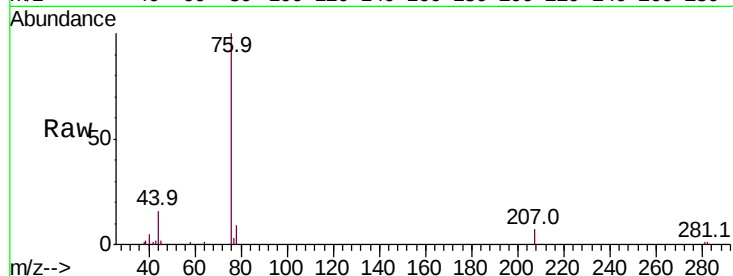
ClientSampled :

Tot Ion: 76 Resp: 15369

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



#18

Methyl Acetate

Concen: 2.707 ug/l

RT: 4.68 min Scan# 508

Delta R.T. -0.00 min

Lab File: VW005118.D

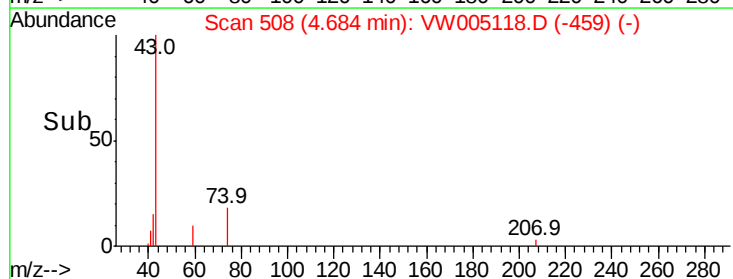
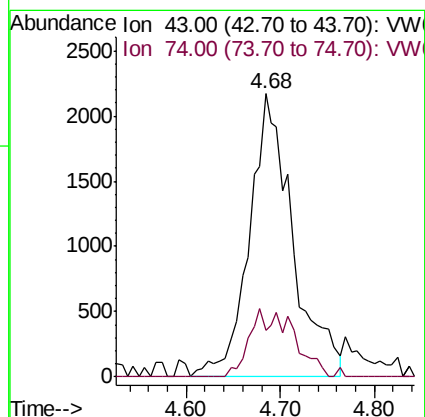
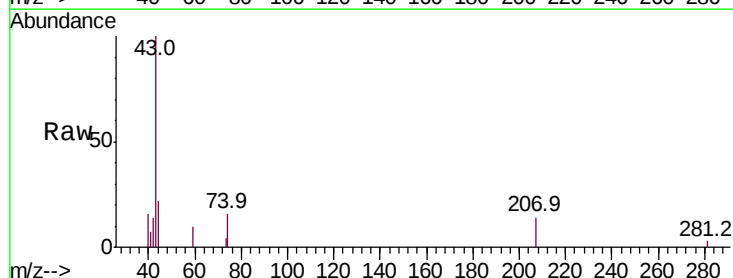
Acq: 05 Sep 2018 09:22

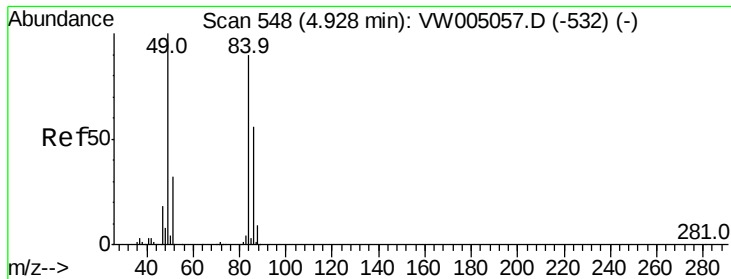
Tgt Ion: 43 Resp: 6998

Ion Ratio Lower Upper

43 100

74 11.7 20.7 31.1#





#20

Methvlene Chloride

Concen: 9.664 ug/l

RT: 4.93 min Scan# 548

Delta R.T. -0.00 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 76021

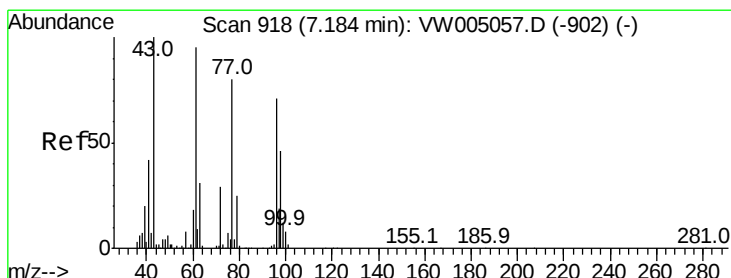
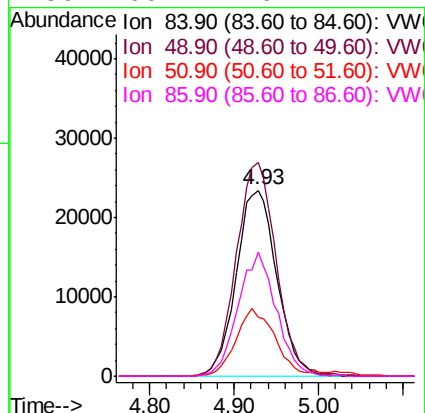
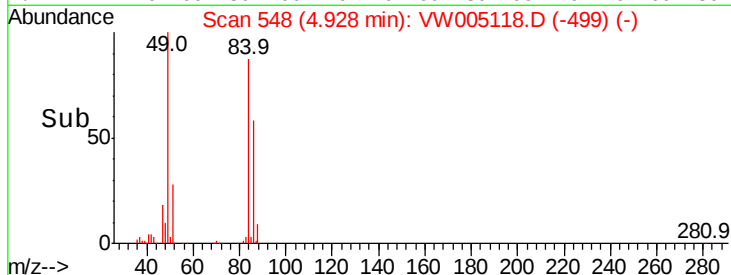
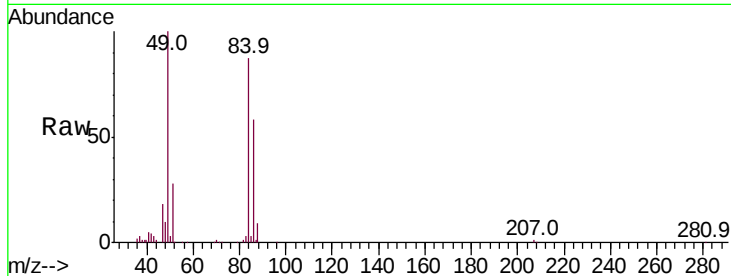
Ion Ratio Lower Upper

84 100

49 115.0 88.7 133.1

51 32.1 28.6 42.8

86 66.7 49.4 74.2



#25

2-Butanone

Concen: 21.667 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW005118.D

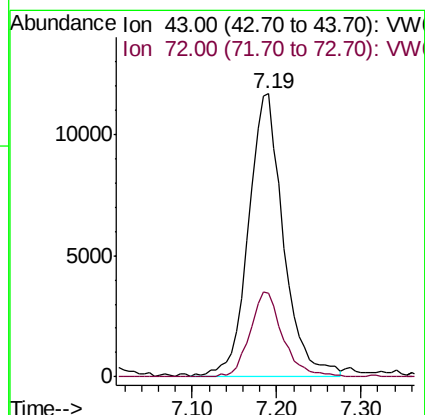
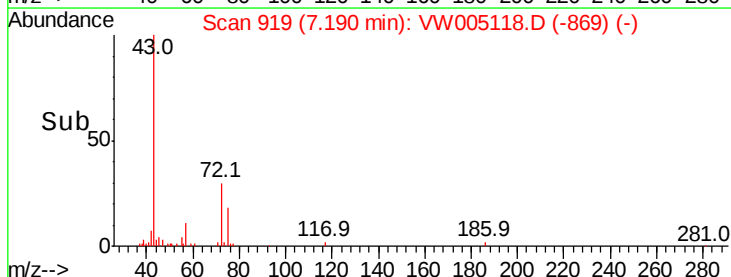
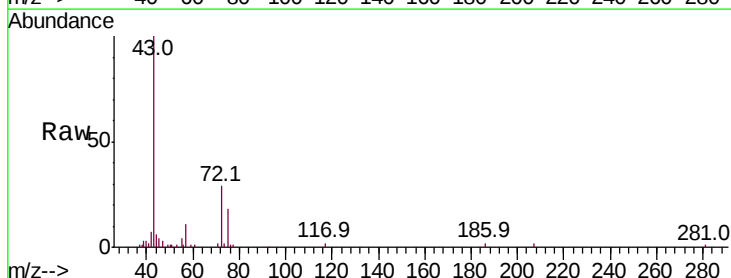
Acq: 05 Sep 2018 09:22

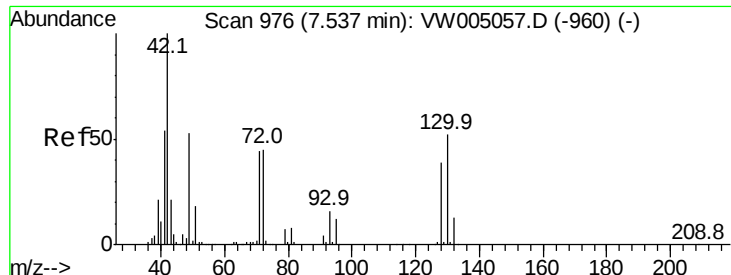
Tgt Ion: 43 Resp: 33029

Ion Ratio Lower Upper

43 100

72 29.4 23.1 34.7





#29

Tetrahydrofuran

Concen: 1.452 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

Instrument :

MSVOA_W

ClientSampled :

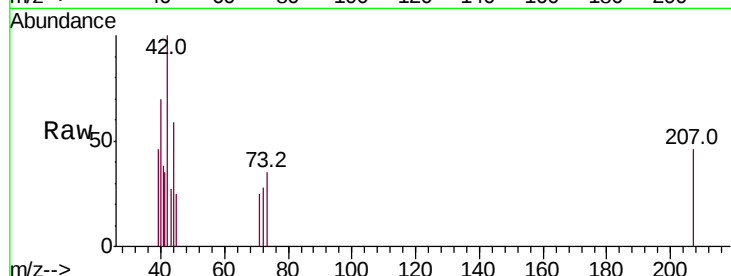
Tot Ion: 42 Resp: 1131

Ion Ratio Lower Upper

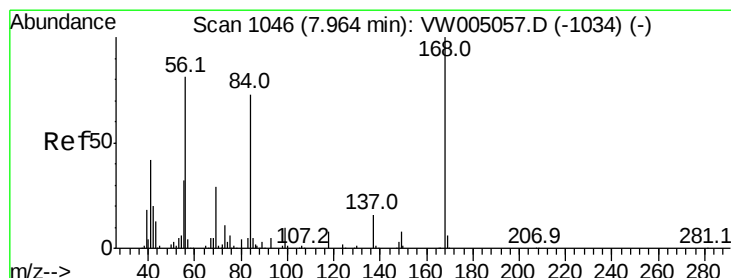
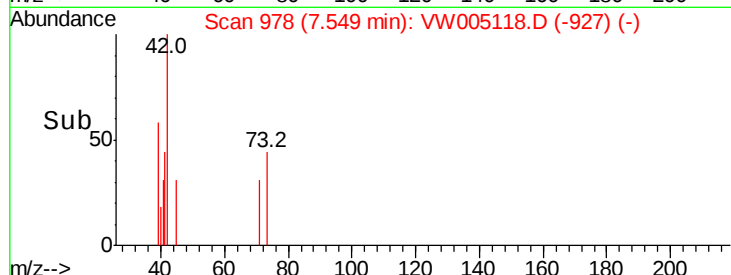
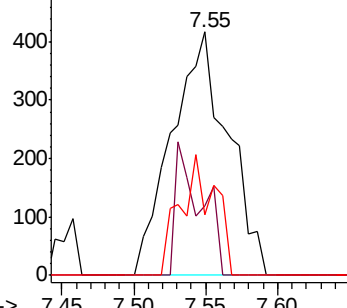
42 100

72 24.8 37.0 55.4#

71 30.3 35.0 52.6#



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: 1.089 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

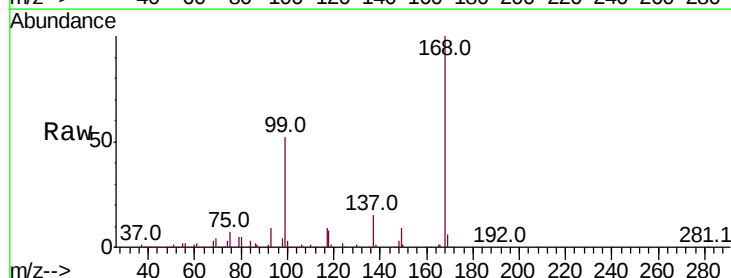
Tgt Ion: 56 Resp: 9369

Ion Ratio Lower Upper

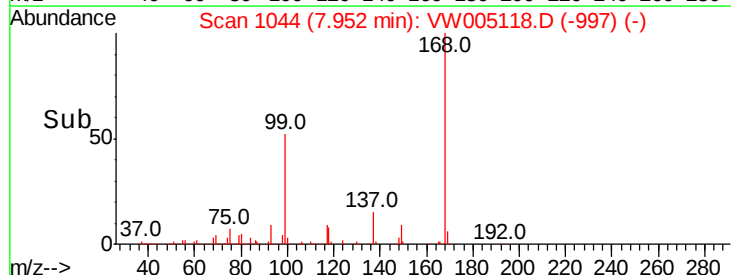
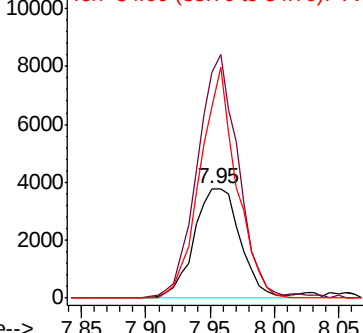
56 100

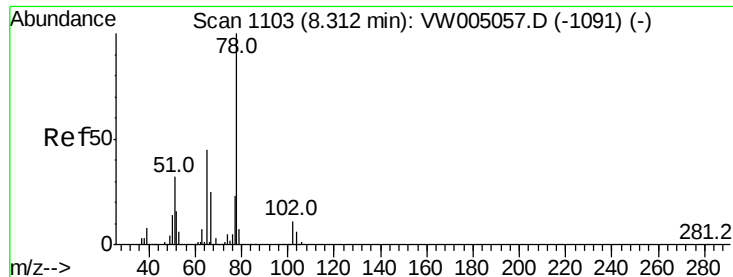
69 206.5 28.2 42.2#

84 174.1 71.8 107.8#



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: 42.413 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

Instrument :

MSVOA_W

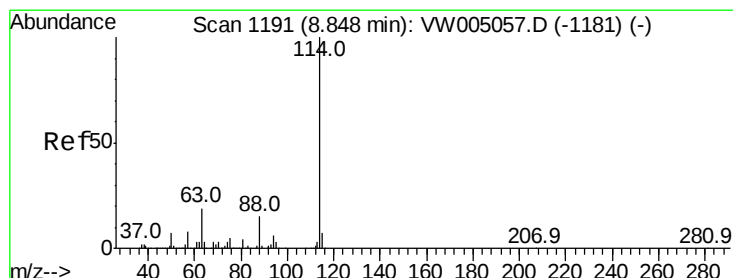
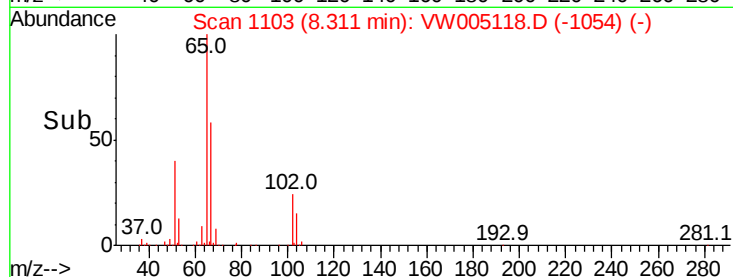
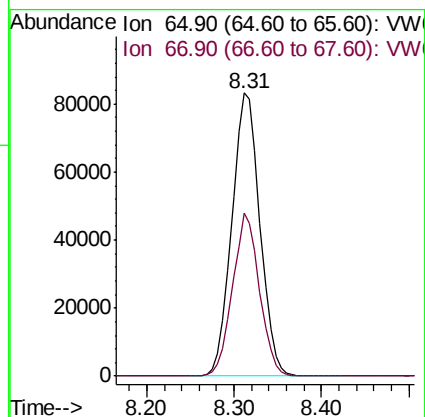
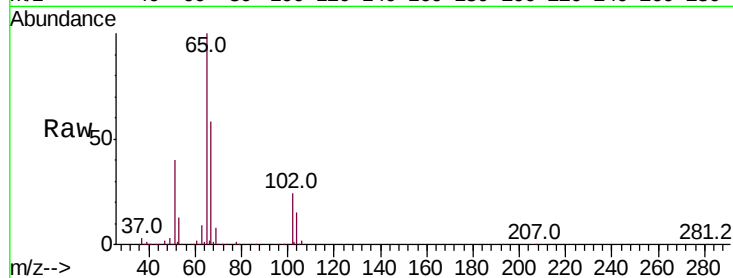
ClientSampleId :

Tot Ion: 65 Resp: 185866

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

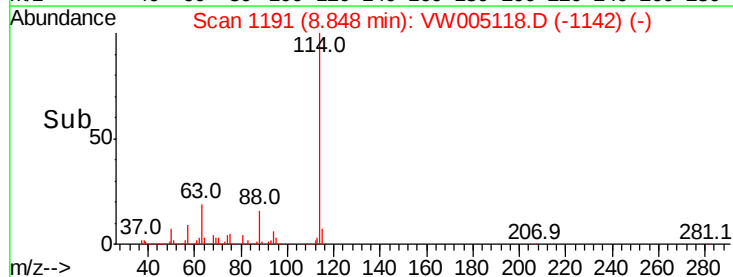
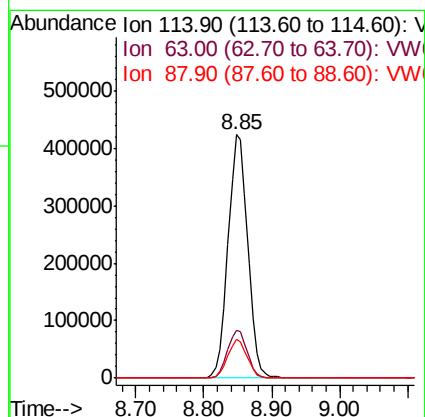
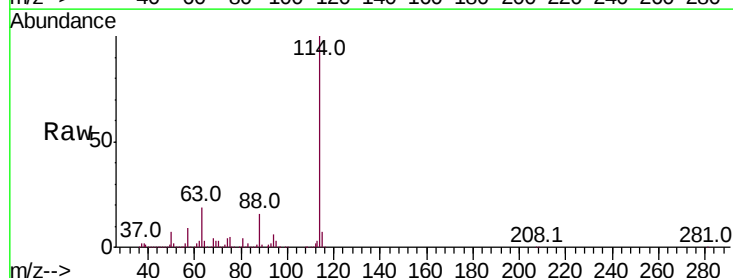
Tgt Ion: 114 Resp: 850020

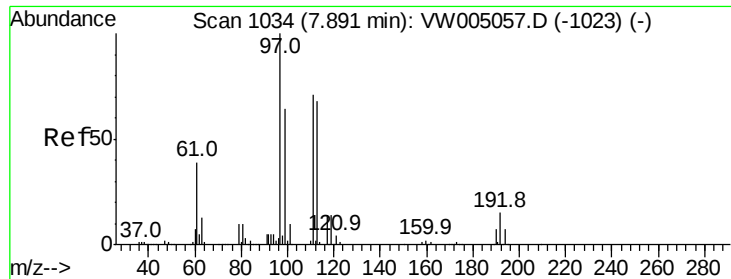
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

88 16.0 0.0 30.2

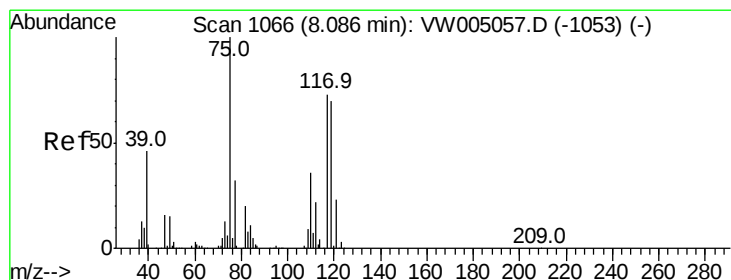
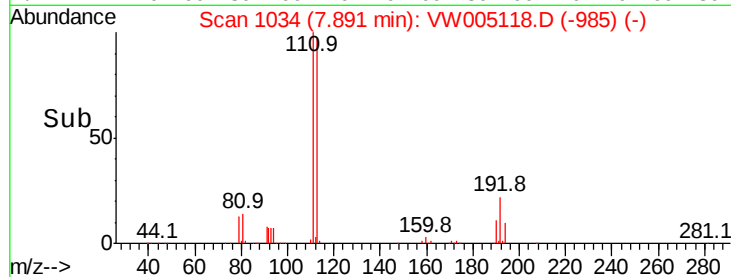
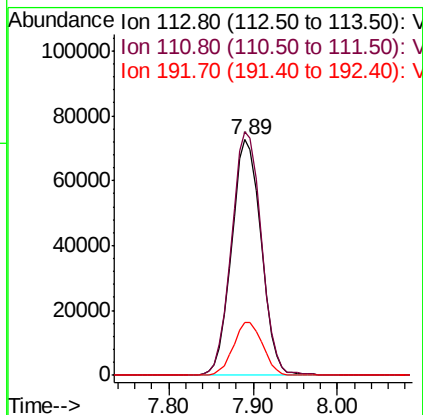
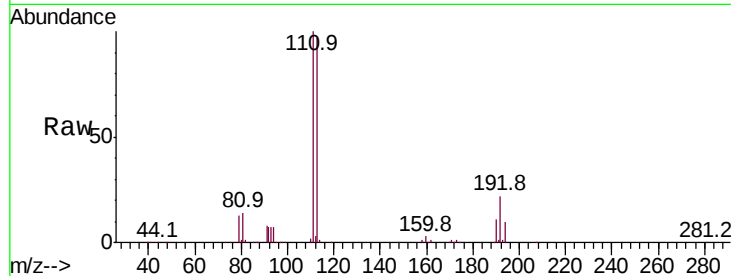




#35
 Dibromofluoromethane
 Concen: 35.103 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005118.D
 Acq: 05 Sep 2018 09:22

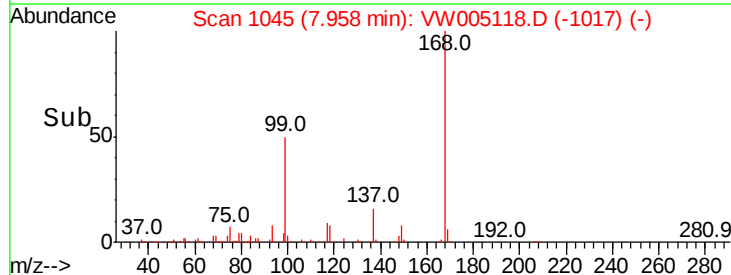
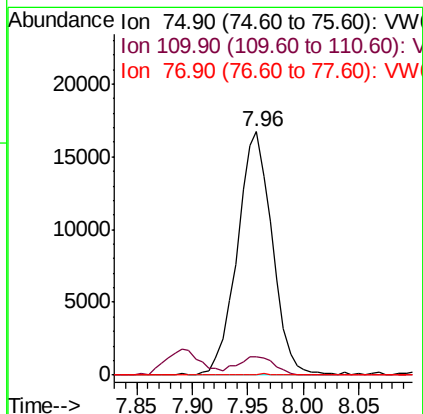
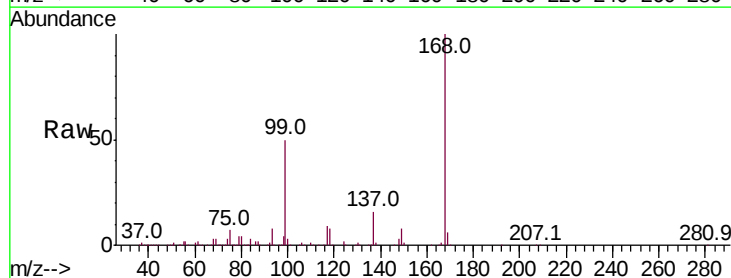
Instrument :
 MSVOA_W
 ClientSampleId :

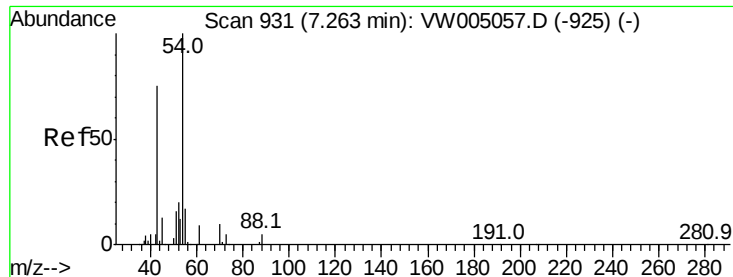
Tot Ion:113 Resp: 172429
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.2
 192 22.2 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.484 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW005118.D
 Acq: 05 Sep 2018 09:22

Tgt Ion: 75 Resp: 36303
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.9 56.7#
 77 0.2 25.5 38.3#

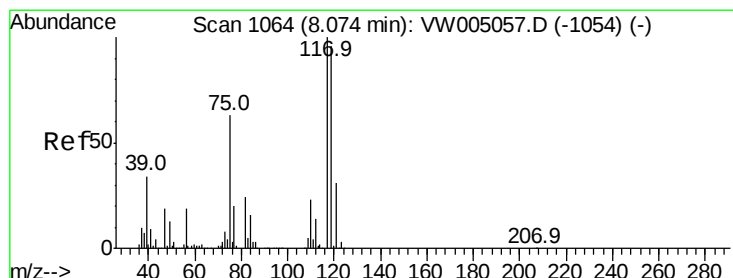
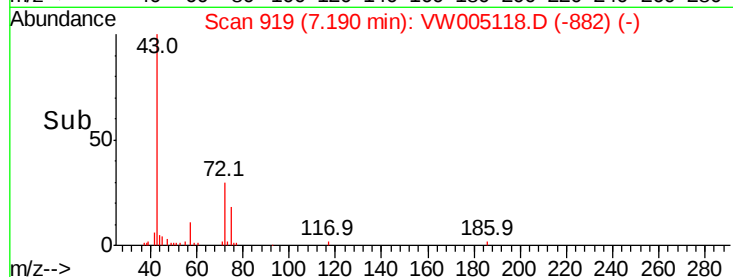
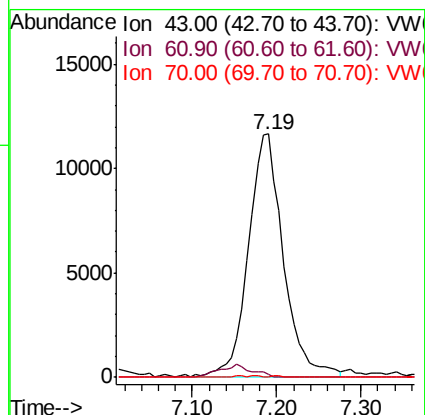
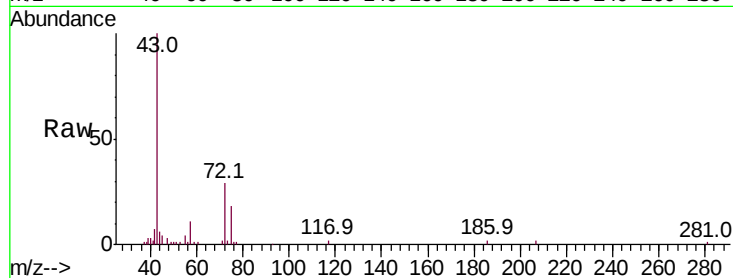




#37
Ethyl Acetate
Concen: 10.909 ug/l
RT: 7.19 min Scan# 919
Delta R.T. -0.07 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

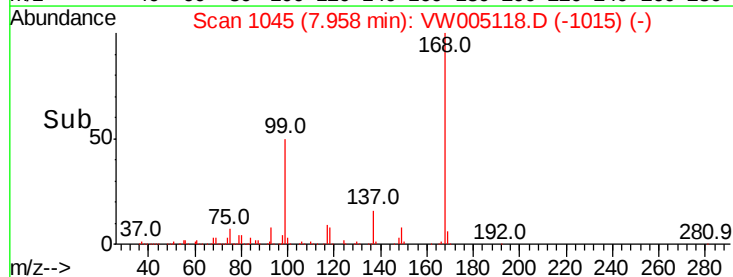
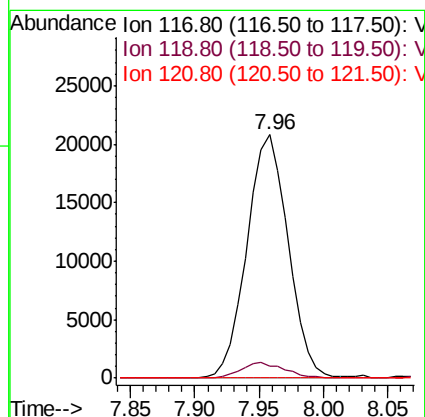
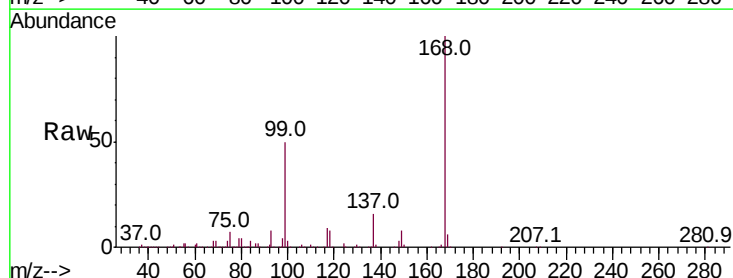
Instrument :
MSVOA_W
ClientSampleId :

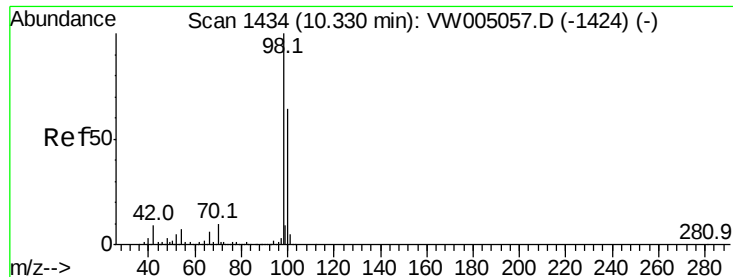
Tot Ion: 43 Resp: 33029
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.2 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.12 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

Tgt Ion: 117 Resp: 46161
Ion Ratio Lower Upper
117 100
119 5.1 76.6 115.0#
121 0.0 24.8 37.2#

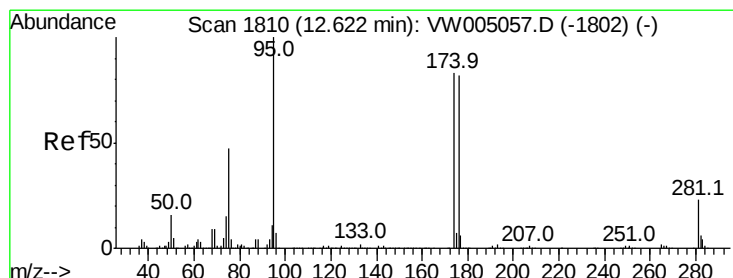
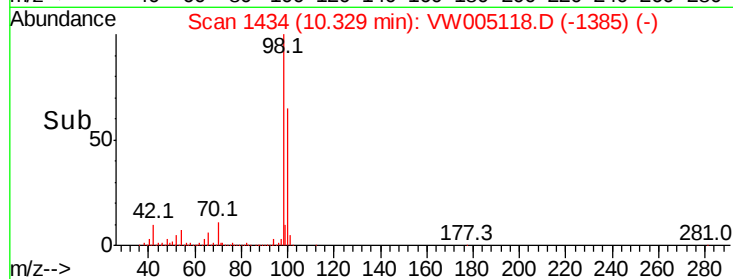
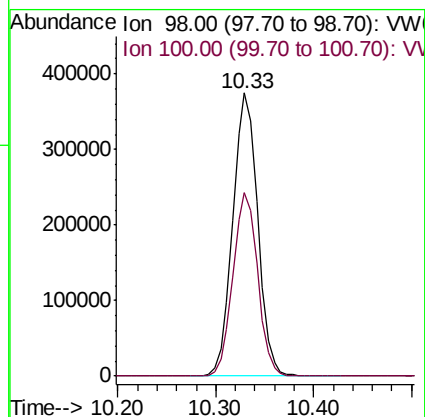
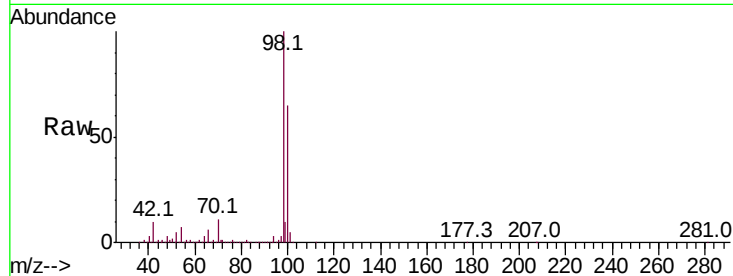




#50
Toluene-d8
Concen: 29.329 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

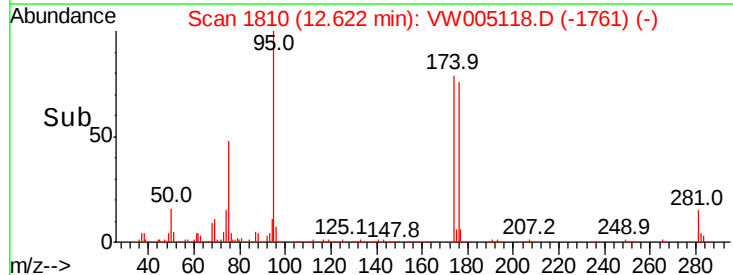
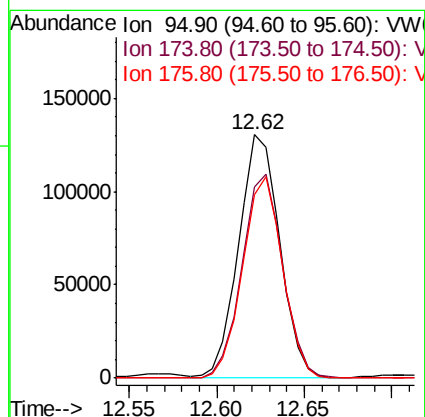
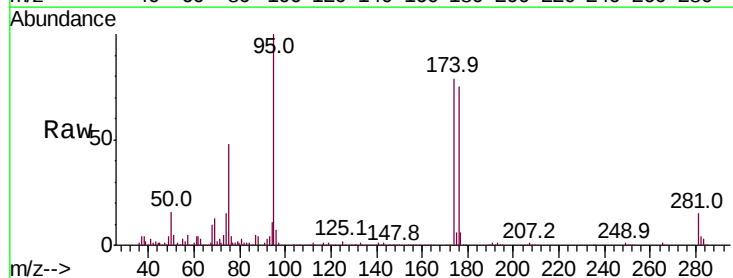
Instrument :
MSVOA_W
ClientSampleId :

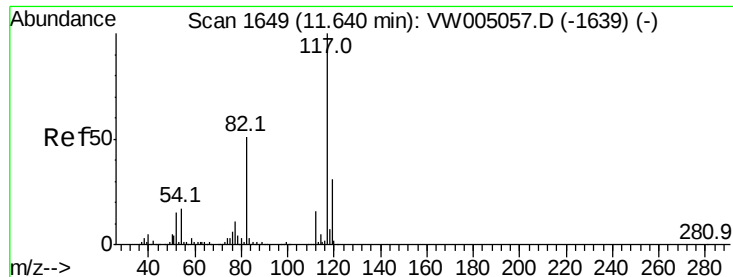
Tot Ion: 98 Resp: 663843
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 26.450 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

Tgt Ion: 95 Resp: 211100
Ion Ratio Lower Upper
95 100
174 84.1 0.0 173.4
176 81.6 0.0 167.4

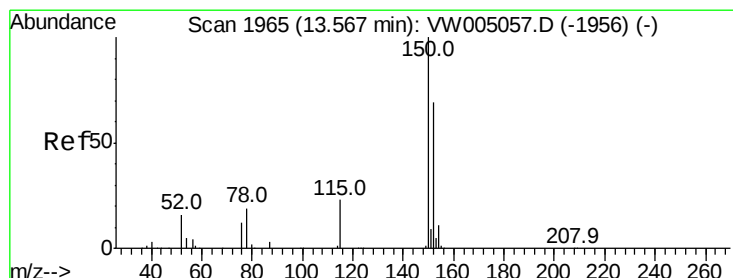
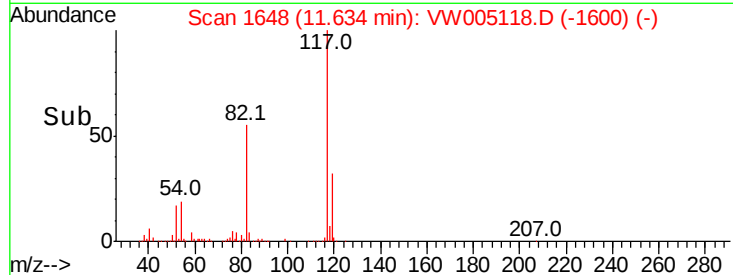
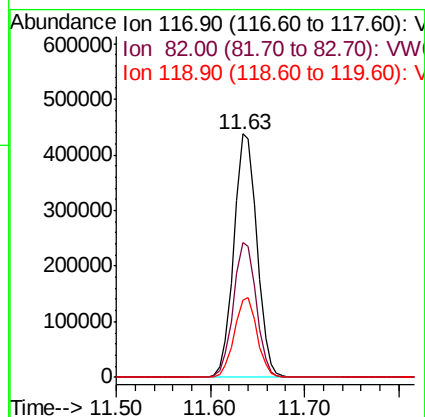
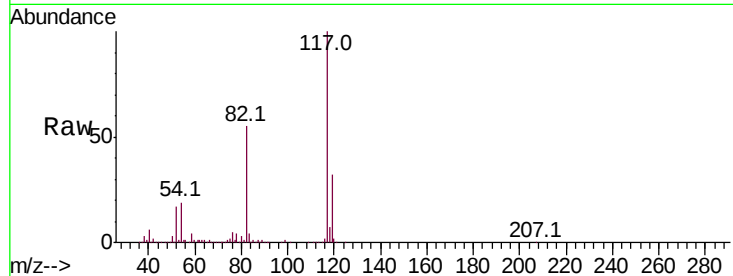




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

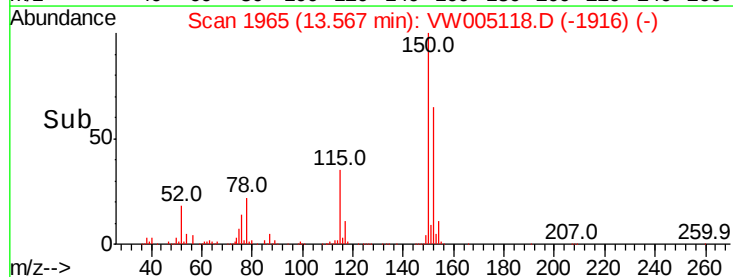
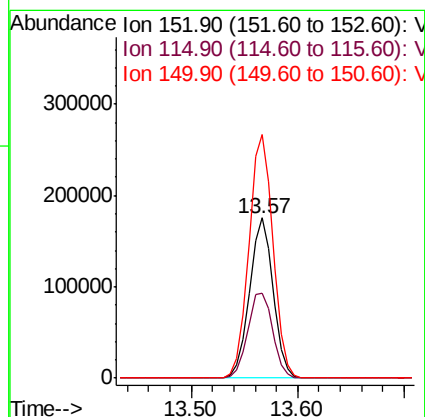
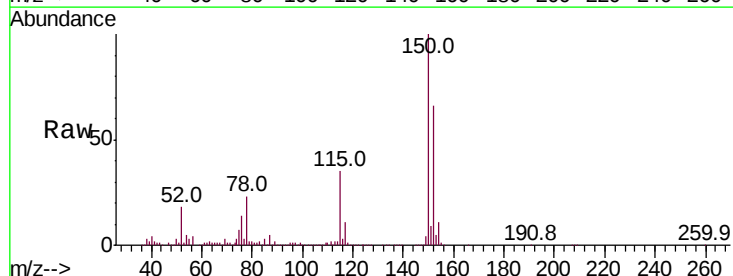
Instrument :
MSVOA_W
ClientSampled :

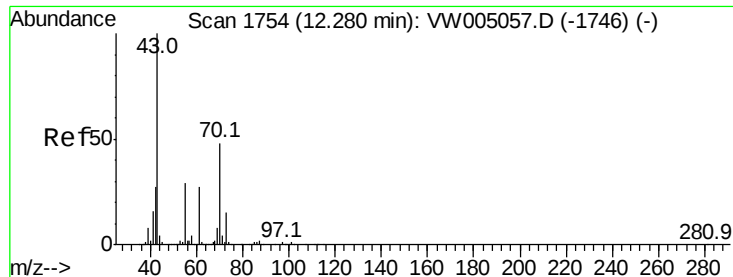
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	40.9	61.3
119	31.8	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.8	83.4
150	155.9	0.0	351.4

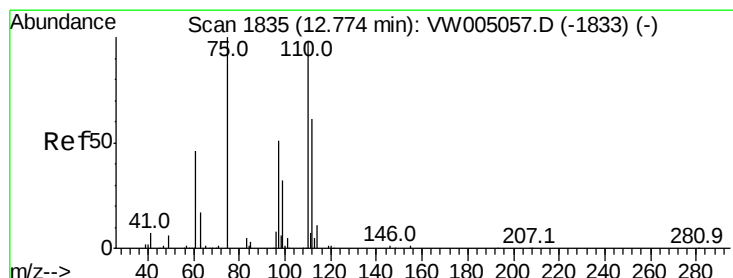
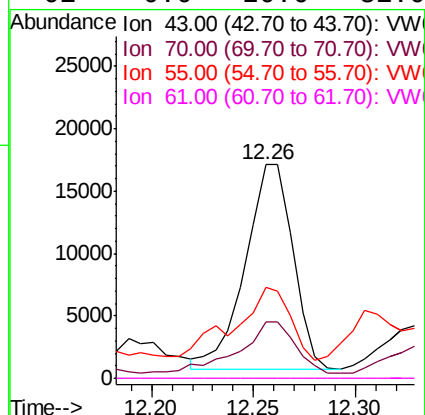
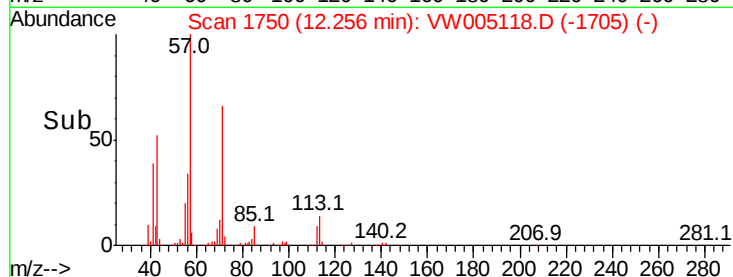
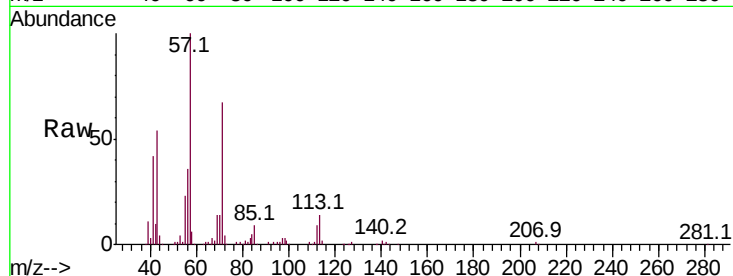




#74
N-amvl acetate
Concen: 8.076 ug/l
RT: 12.26 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

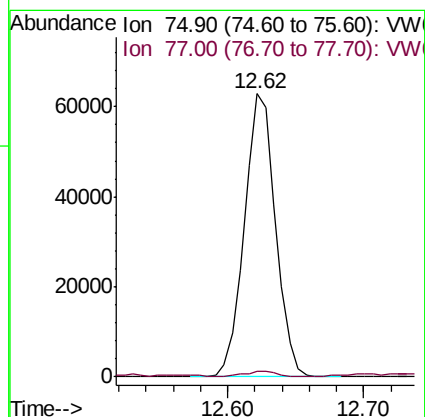
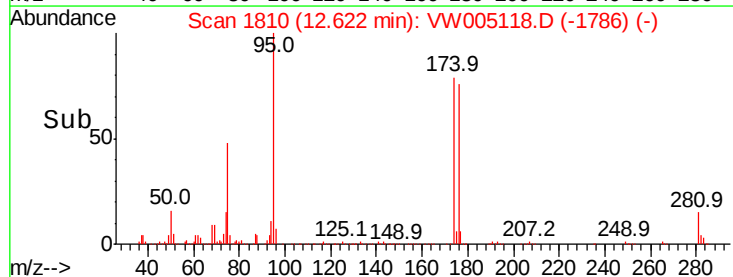
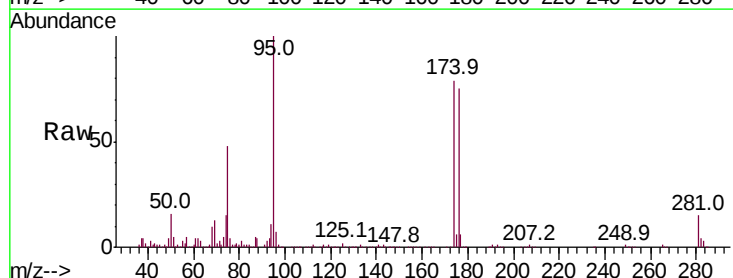
Instrument :
MSVOA_W
ClientSampled :

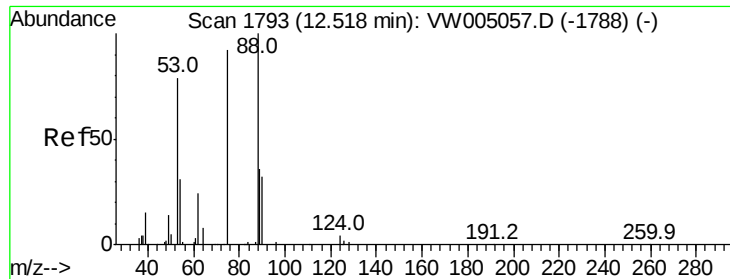
Tot Ion: 43 Resp: 26666
Ion Ratio Lower Upper
43 100
70 30.2 38.2 57.4#
55 42.5 23.2 34.8#
61 0.0 20.6 31.0#



#76
1,2,3-Trichloropropane
Concen: 49.186 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

Tgt Ion: 75 Resp: 100414
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

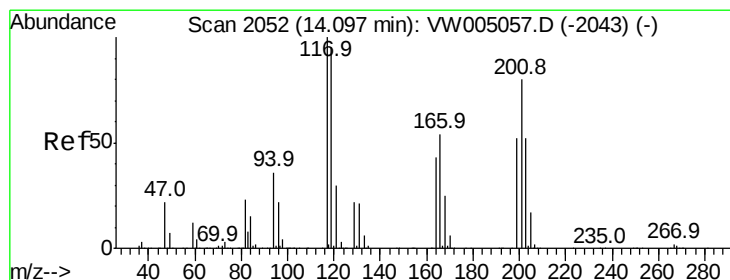
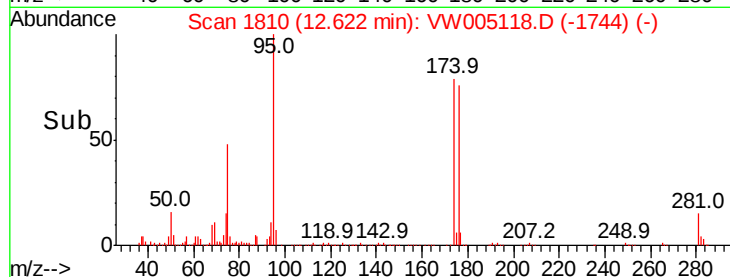
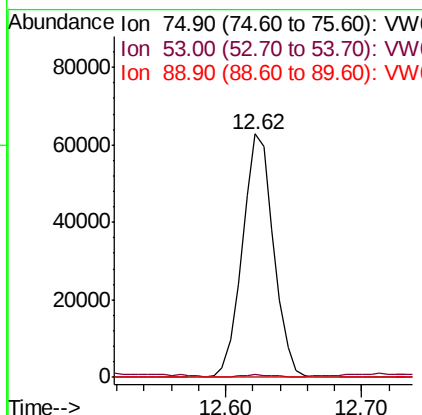
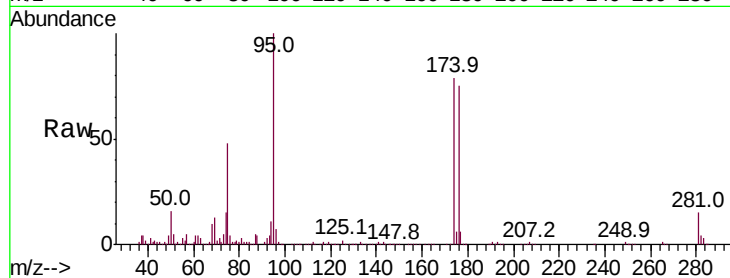




#81
trans-1,4-Dichloro-2-butene
Concen: 118.385 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

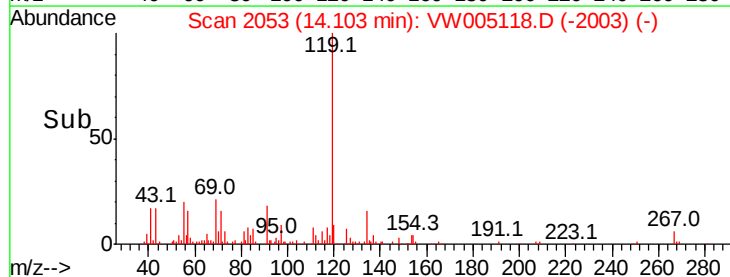
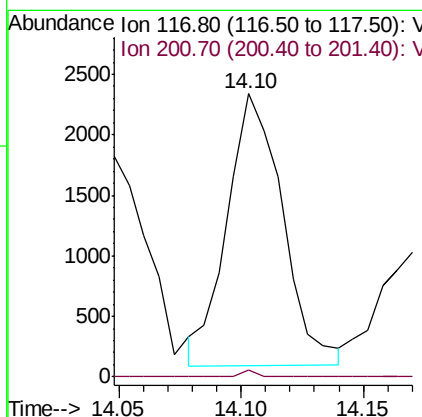
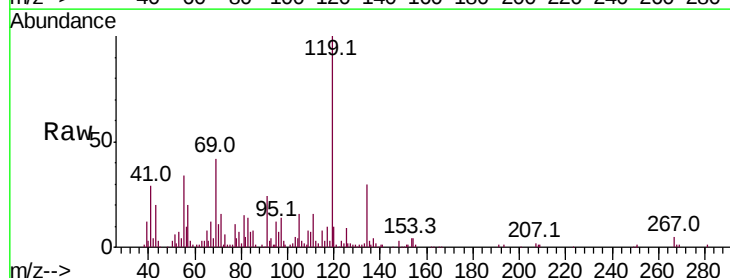
Instrument :
MSVOA_W
ClientSampleId :

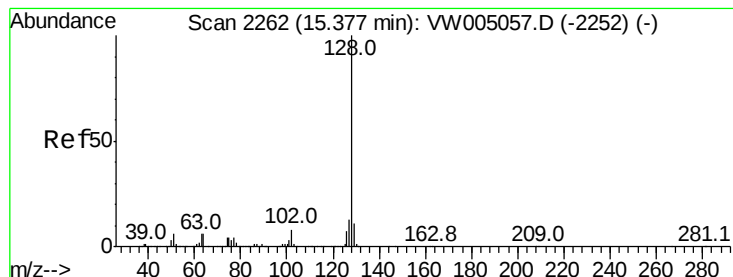
Tot Ion: 75 Resp: 100414
Ion Ratio Lower Upper
75 100
53 0.8 69.8 104.8#
89 0.1 36.0 54.0#



#90
Hexachloroethane
Concen: 1.187 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW005118.D
Acq: 05 Sep 2018 09:22

Tgt Ion: 117 Resp: 3552
Ion Ratio Lower Upper
117 100
201 0.6 44.6 133.8#





#95

Napthalene

Concen: 4.258 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW005118.D

Acq: 05 Sep 2018 09:22

Instrument :

MSVOA_W

ClientSampleId :

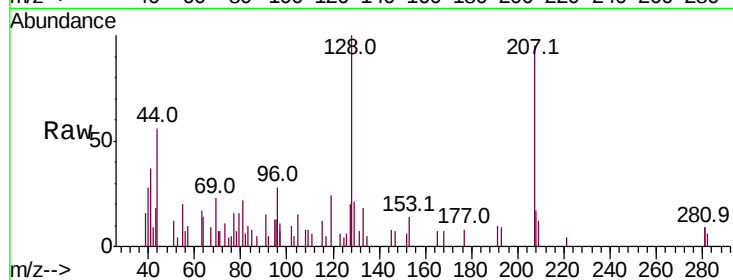
Tot Ion:128 Resp: 2968

Ion Ratio Lower Upper

128 100

127 16.0 10.4 15.6#

129 19.8 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

