

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004794.D
 Acq On : 20 Aug 2018 16:36
 Operator : SY/AP
 Sample : J4538-03
 Misc : 13.66G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSS3

Quant Time: Aug 21 00:56:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	602849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	978730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	837361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	293761	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	375913	64.50	ug/l	0.00
Spiked Amount			Recovery	=	129.00%	
35) Dibromofluoromethane	7.89	113	339501	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	10.33	98	1129703	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
62) 4-Bromofluorobenzene	12.63	95	327430	37.27	ug/l	0.00
Spiked Amount			Recovery	=	74.54%	

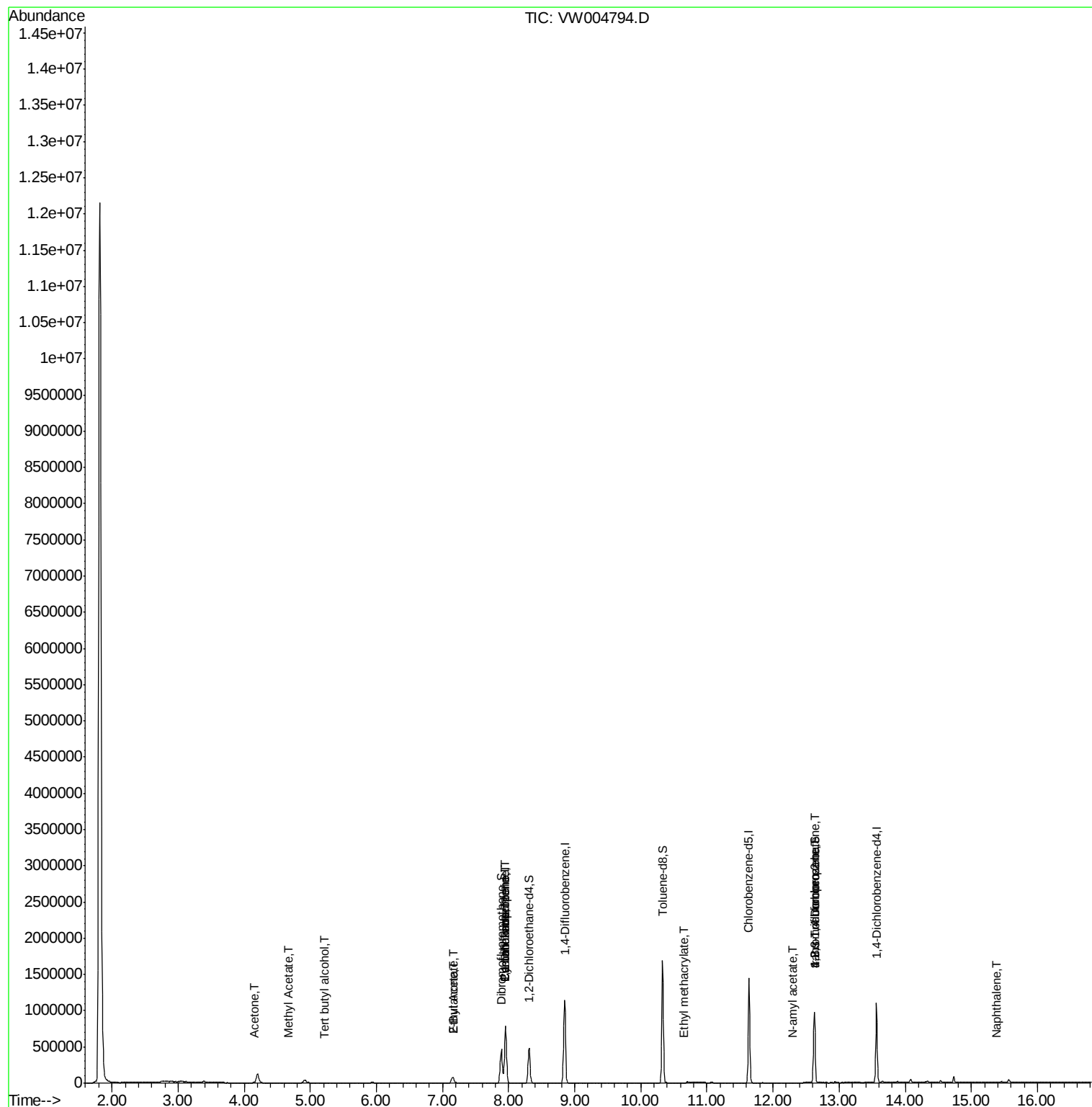
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1670	5.129	ug/l #	81
16) Acetone	4.14	43	11312	7.603	ug/l #	82
18) Methyl Acetate	4.67	43	3870	1.214	ug/l	97
25) 2-Butanone	7.17	43	5752	2.713	ug/l #	69
31) Cyclohexane	7.95	56	12234	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	44974	4.461	ug/l #	48
37) Ethyl Acetate	7.17	43	5752	1.431	ug/l #	3
38) Carbon Tetrachloride	7.95	117	55374	5.966	ug/l #	16
56) Ethyl methacrylate	10.66	69	80	2.992	ug/l #	1
74) N-amyl acetate	12.30	43	40	4.027	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	155397	60.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	155397	139.477	ug/l #	14
95) Naphthalene	15.38	128	1907	3.654	ug/l #	89

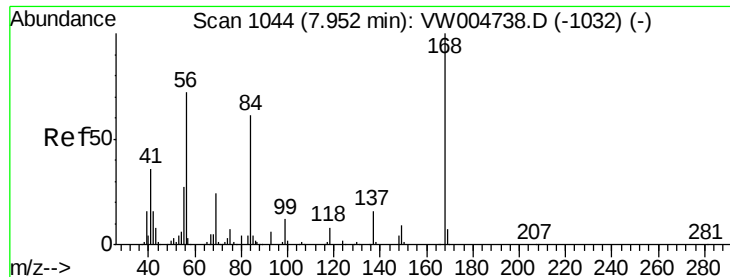
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW004794.D

Acq: 20 Aug 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

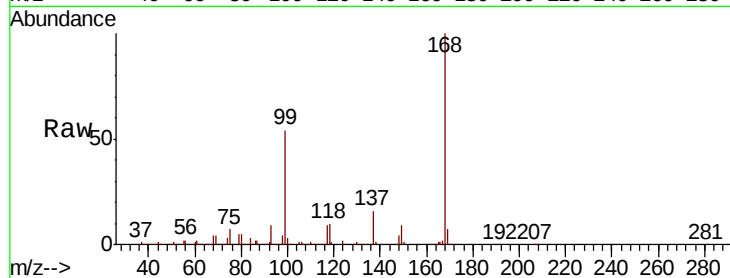
VSS3

Tgt Ion:168 Resp: 602849

Ion Ratio Lower Upper

168 100

99 54.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

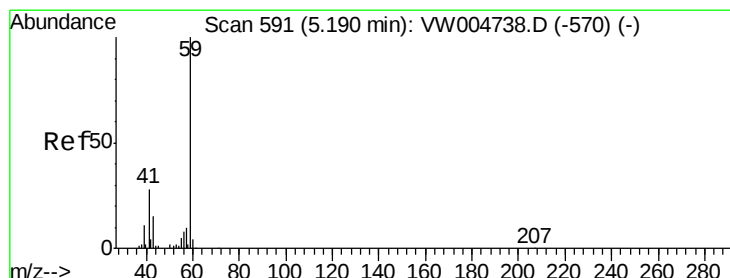
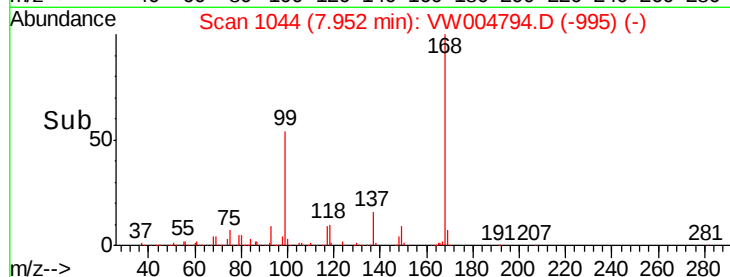
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.129 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW004794.D

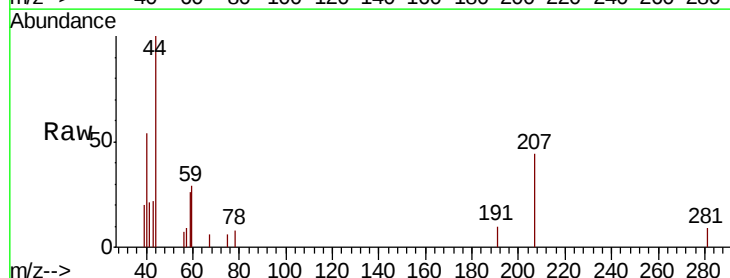
Acq: 20 Aug 2018 16:36

Tgt Ion: 59 Resp: 1670

Ion Ratio Lower Upper

59 100

57 3.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

600

500

400

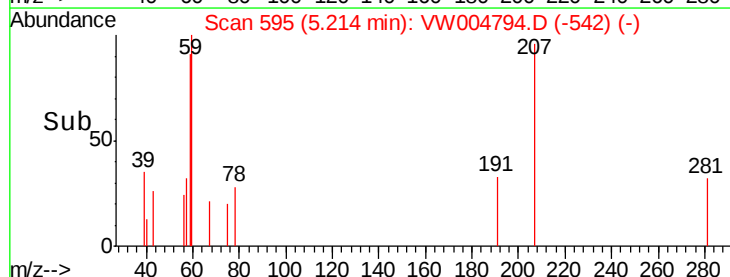
300

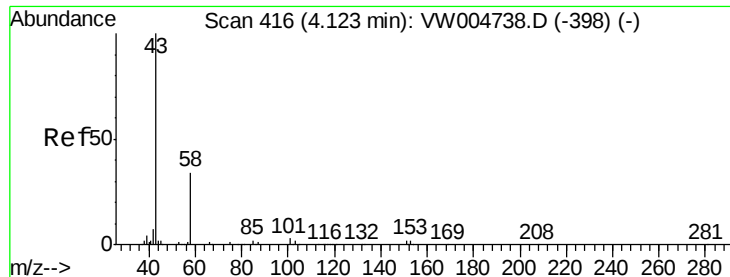
200

100

0

Time-->





#16

Acetone

Concen: 7.603 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

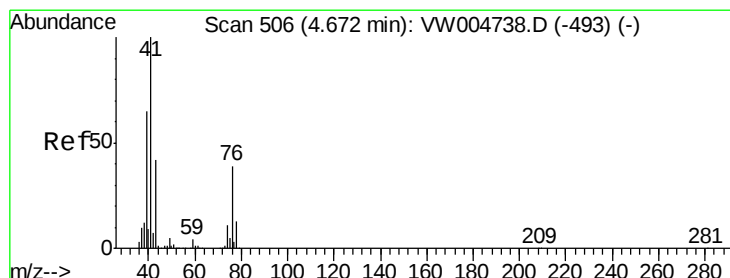
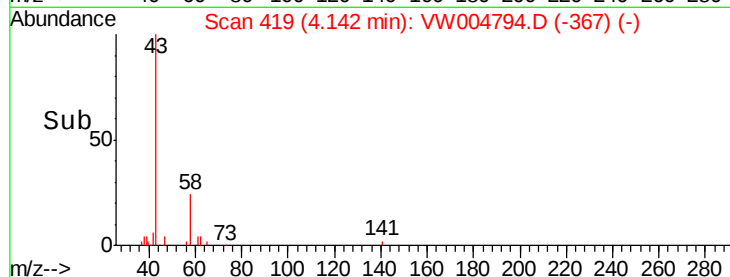
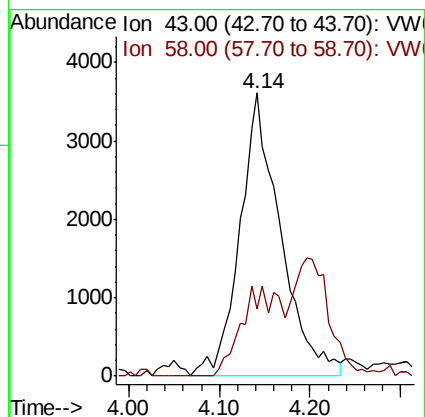
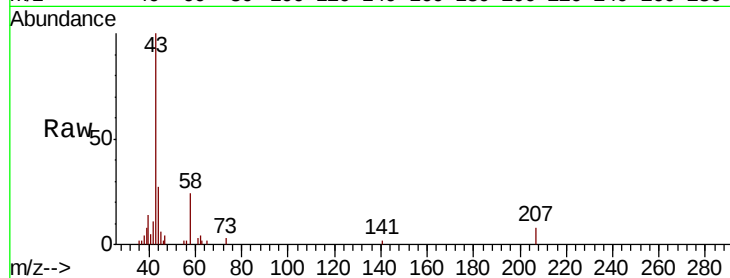
VSS3

Tgt Ion: 43 Resp: 11312

Ion Ratio Lower Upper

43 100

58 23.8 27.3 40.9#



#18

Methyl Acetate

Concen: 1.214 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW004794.D

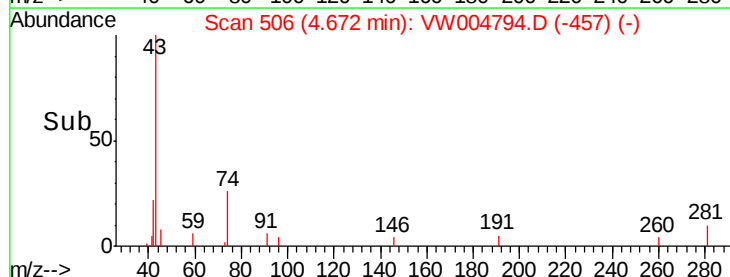
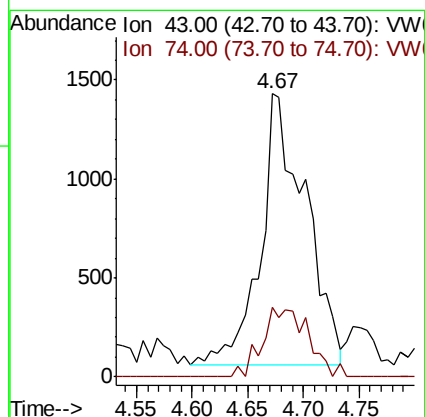
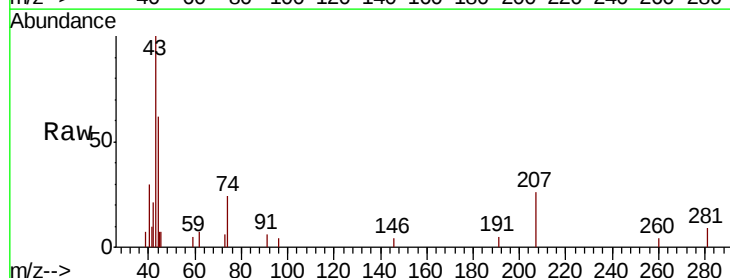
Acq: 20 Aug 2018 16:36

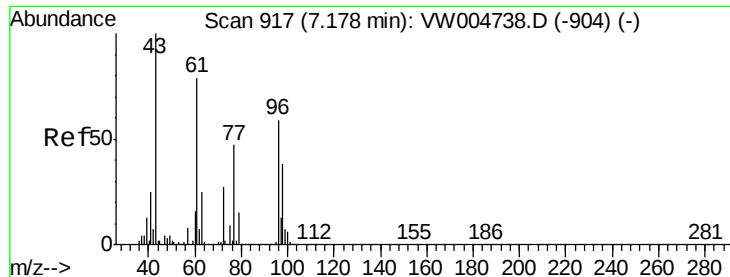
Tgt Ion: 43 Resp: 3870

Ion Ratio Lower Upper

43 100

74 26.1 19.8 29.8





#25

2-Butanone

Concen: 2.713 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

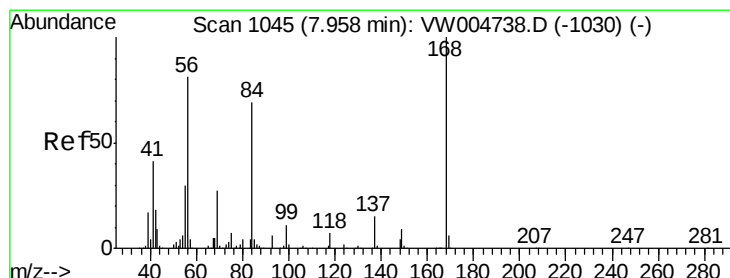
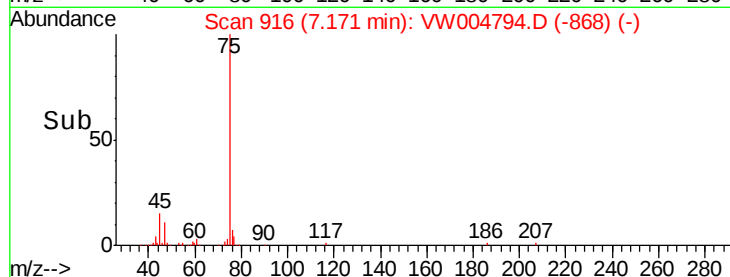
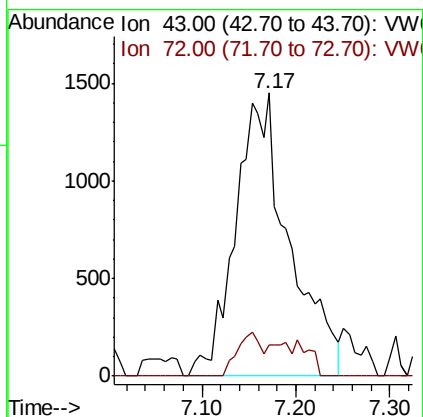
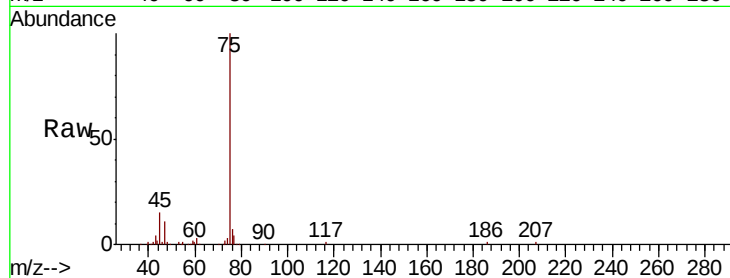
VSS3

Tgt Ion: 43 Resp: 5752

Ion Ratio Lower Upper

43 100

72 11.2 22.0 33.0#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

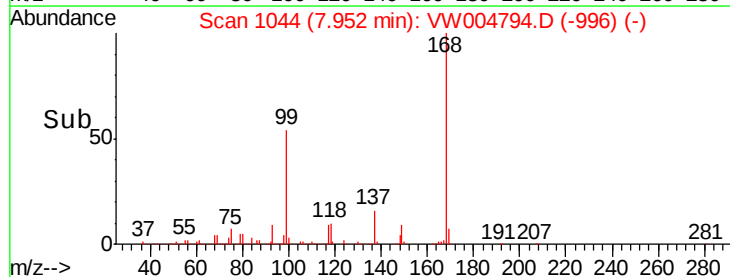
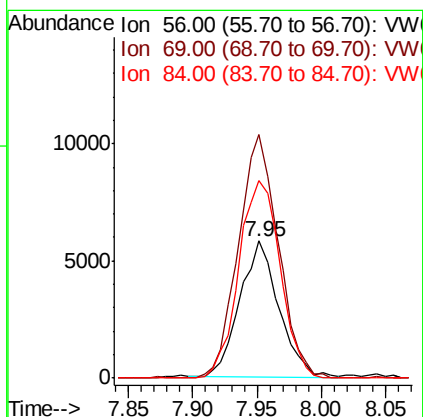
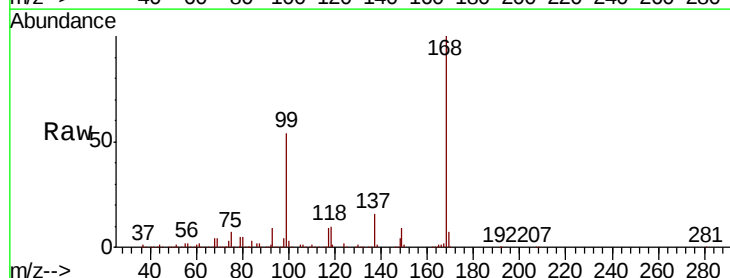
Tgt Ion: 56 Resp: 12234

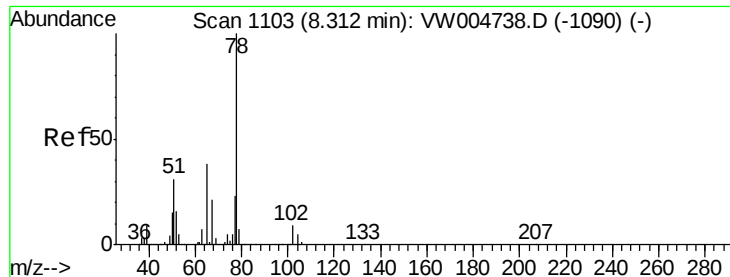
Ion Ratio Lower Upper

56 100

69 179.6 27.1 40.7#

84 146.0 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 64.497 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

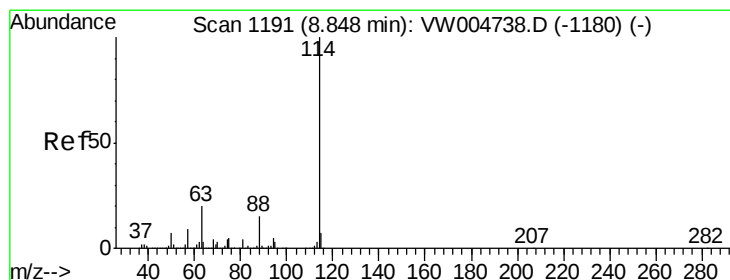
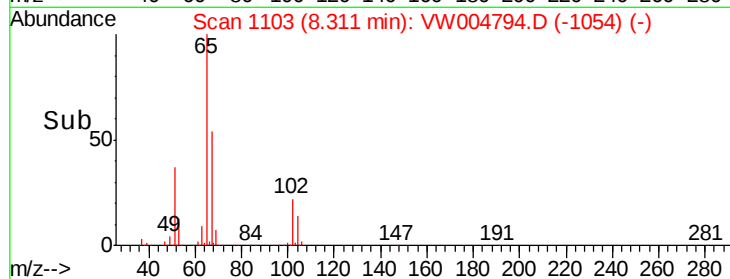
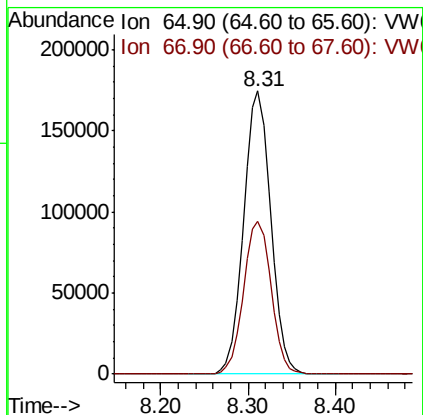
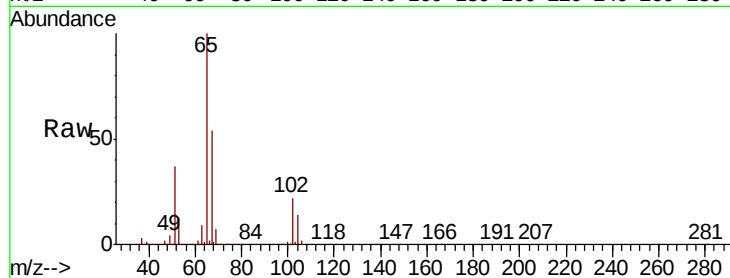
VSS3

Tgt Ion: 65 Resp: 375913

Ion Ratio Lower Upper

65 100

67 55.2 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: VW004794.D

Acq: 20 Aug 2018 16:36

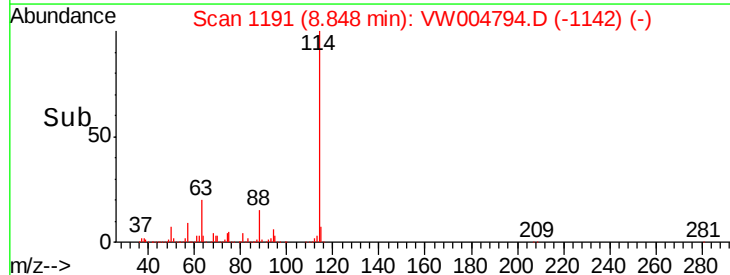
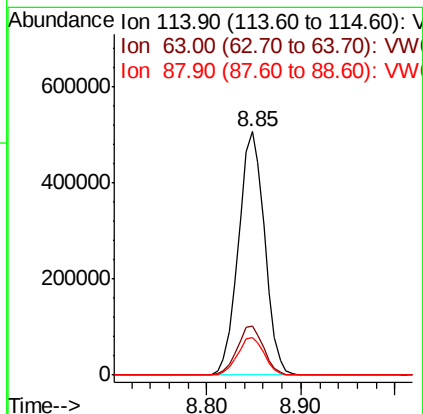
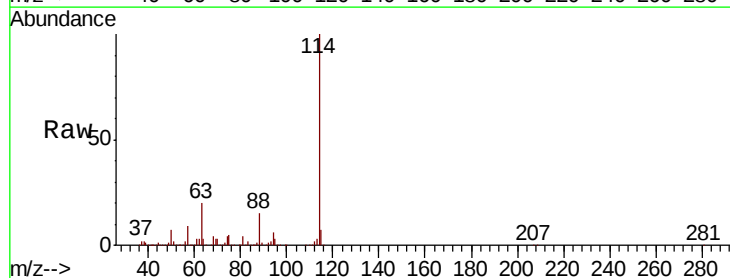
Tgt Ion: 114 Resp: 978730

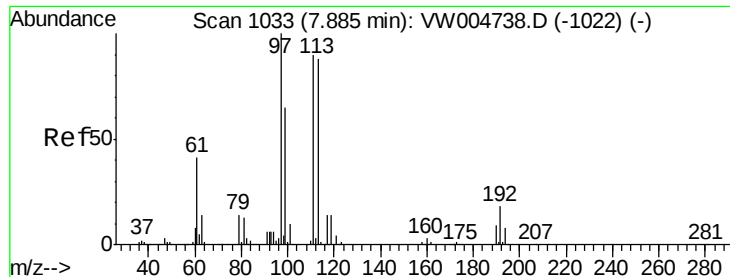
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

88 15.5 0.0 30.0

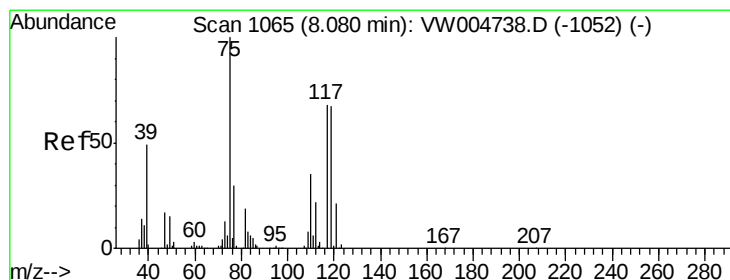
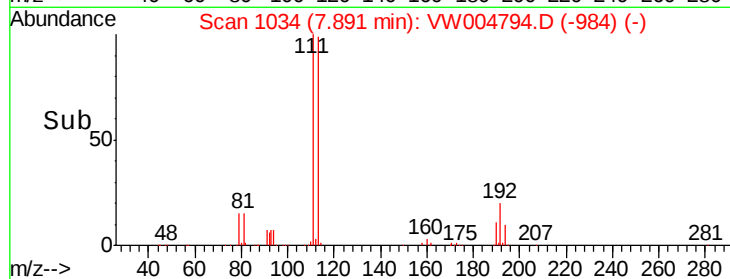
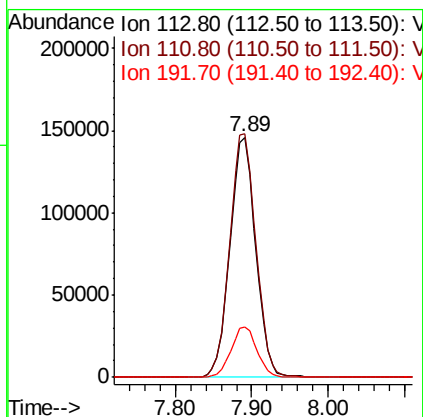
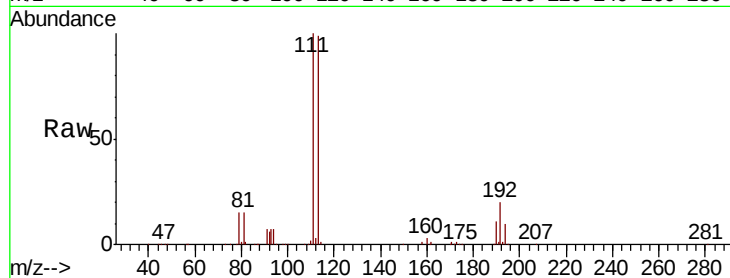




#35
 Dibromofluoromethane
 Concen: 54.273 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004794.D
 Acq: 20 Aug 2018 16:36

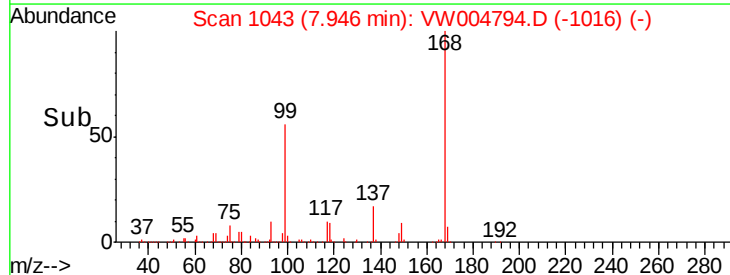
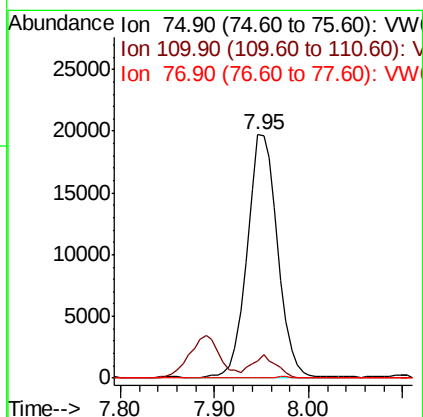
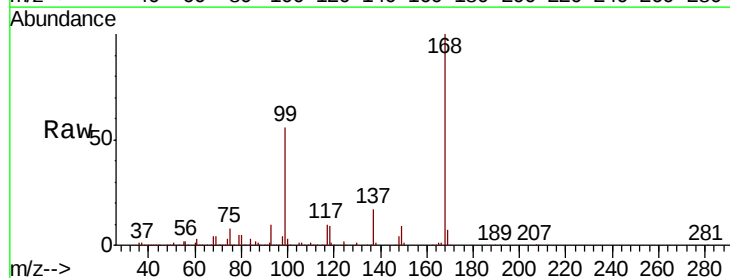
Instrument :
 MSVOA_W
 ClientSampleId :
 VSS3

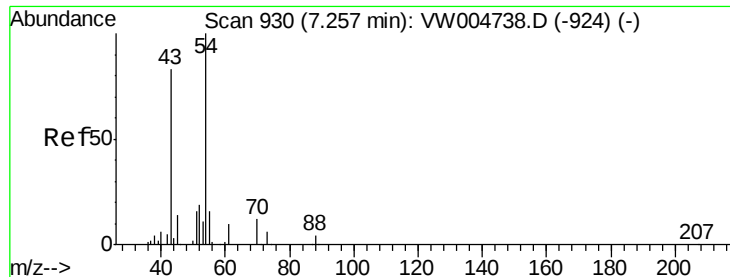
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	21.2	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.461 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004794.D
 Acq: 20 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.8	53.5#
77	0.1	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.431 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.09 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

Instrument :

MSVOA_W

ClientSampleId :

VSS3

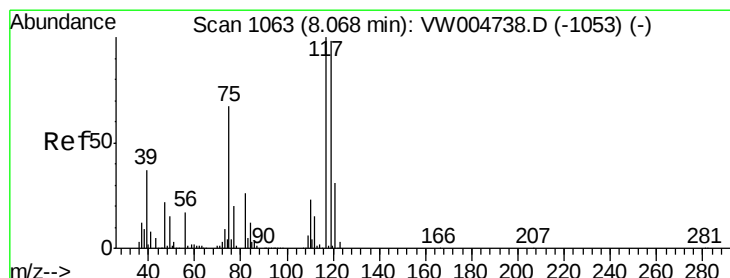
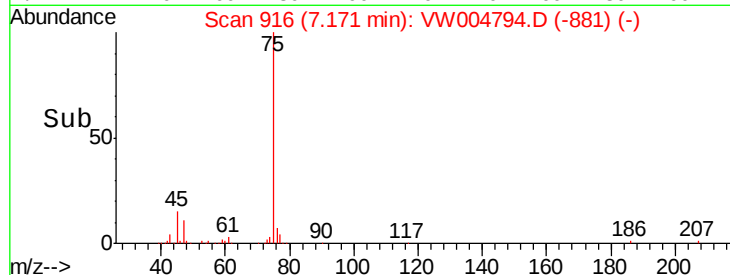
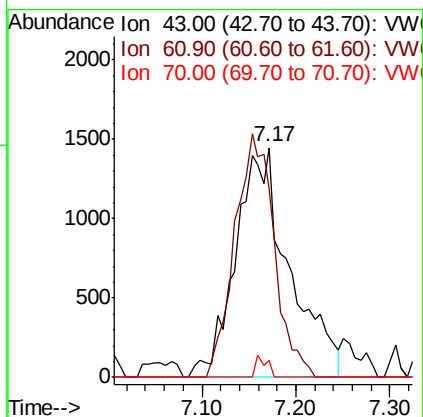
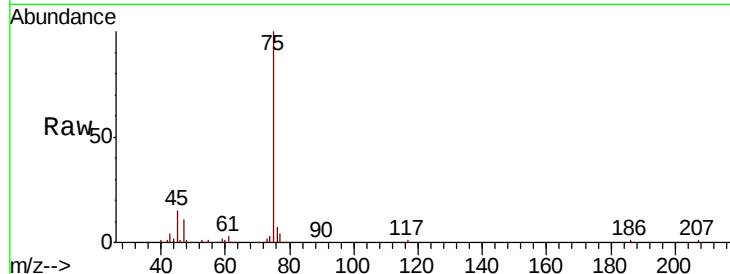
Tgt Ion: 43 Resp: 5752

Ion Ratio Lower Upper

43 100

61 77.9 11.6 17.4#

70 2.1 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 5.966 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

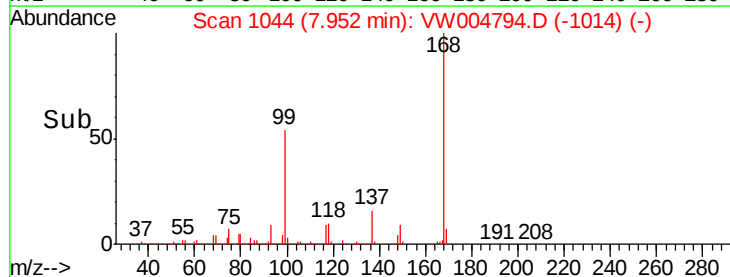
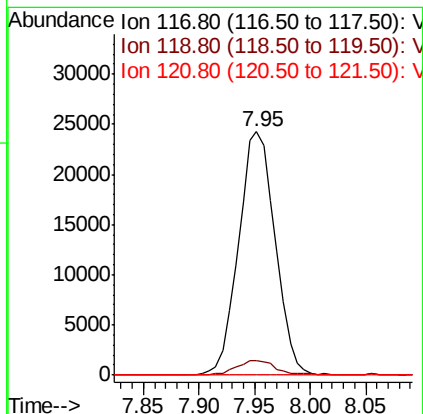
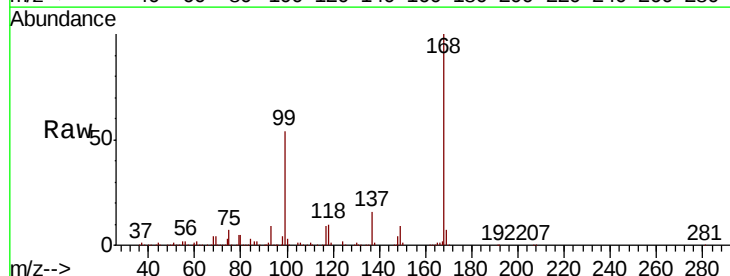
Tgt Ion: 117 Resp: 55374

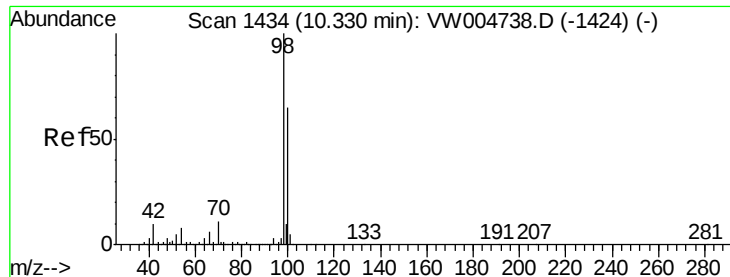
Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 46.264 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

Instrument :

MSVOA_W

ClientSampled :

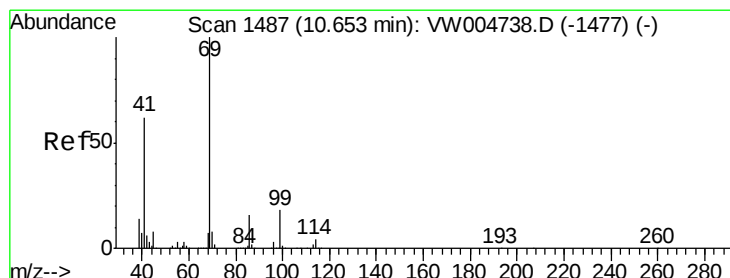
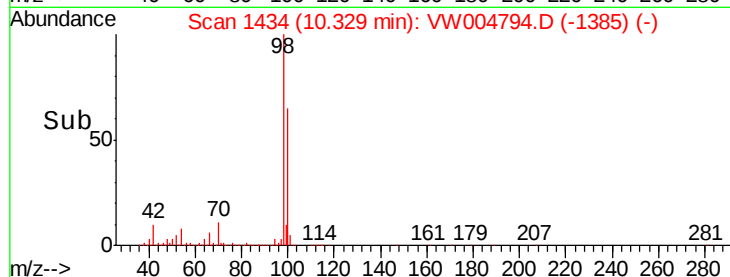
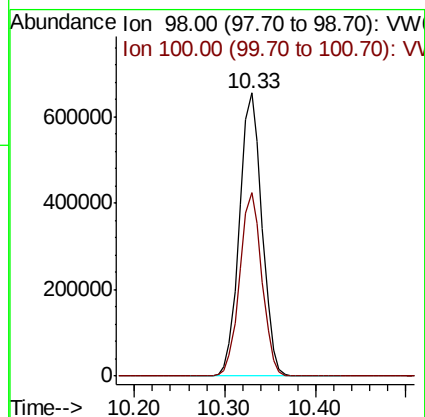
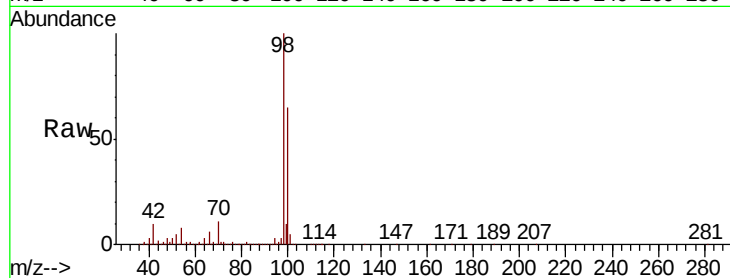
VSS3

Tgt Ion: 98 Resp: 1129703

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.992 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004794.D

Acq: 20 Aug 2018 16:36

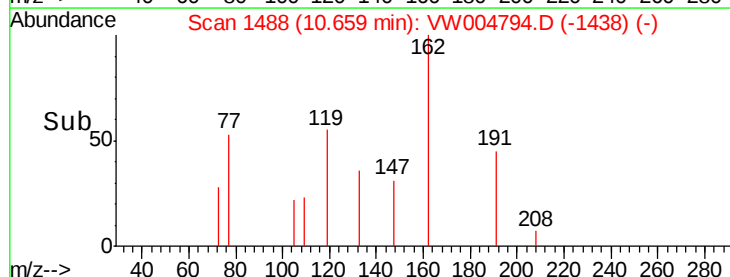
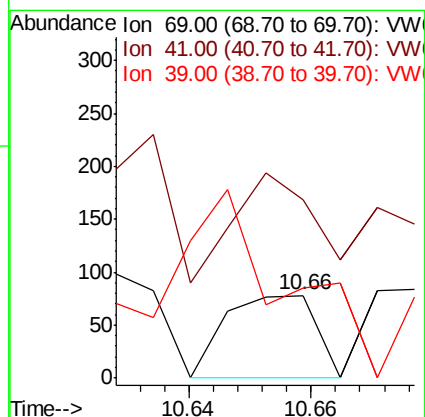
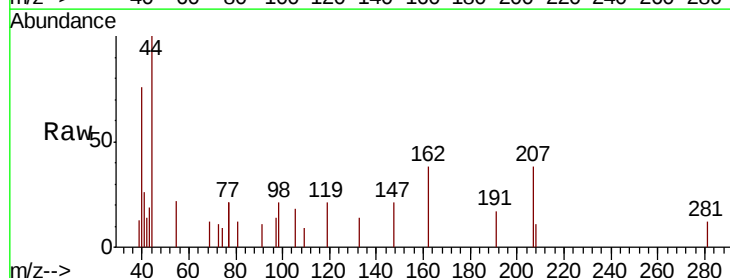
Tgt Ion: 69 Resp: 80

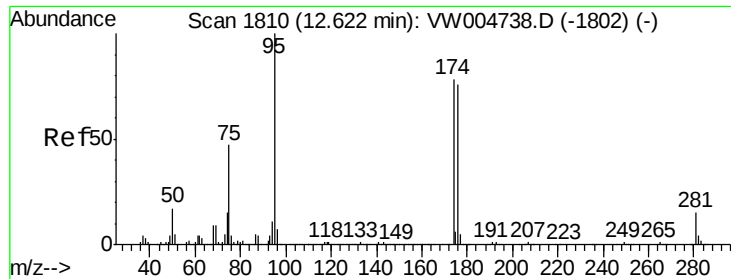
Ion Ratio Lower Upper

69 100

41 117.5 50.7 76.1#

39 252.5 21.4 32.2#

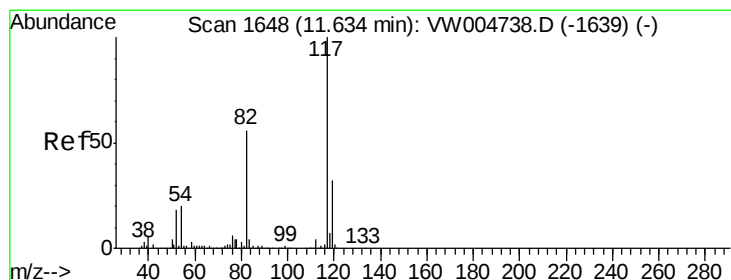
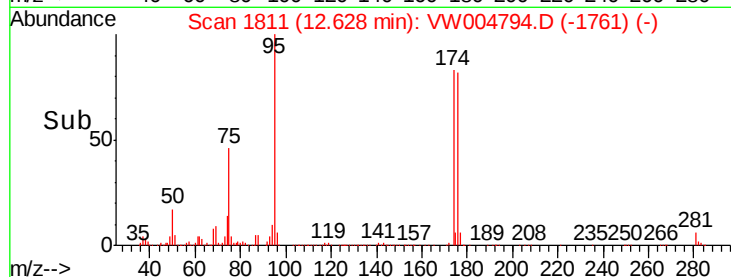
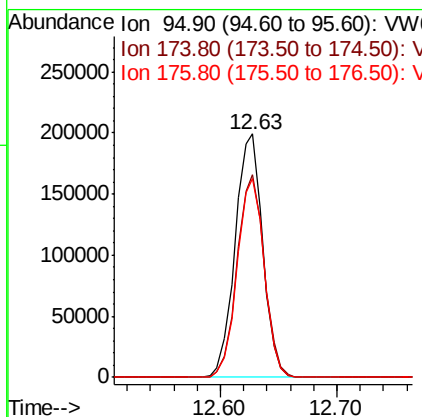
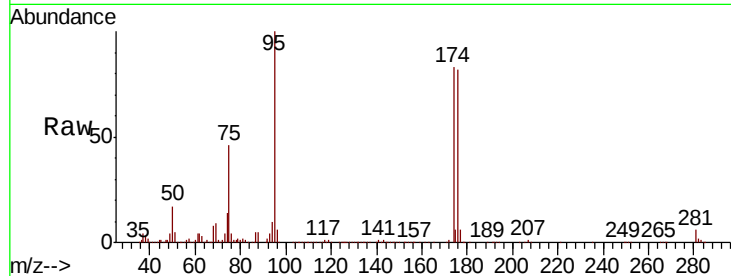




#62
4-Bromofluorobenzene
Concen: 37.272 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004794.D
Acq: 20 Aug 2018 16:36

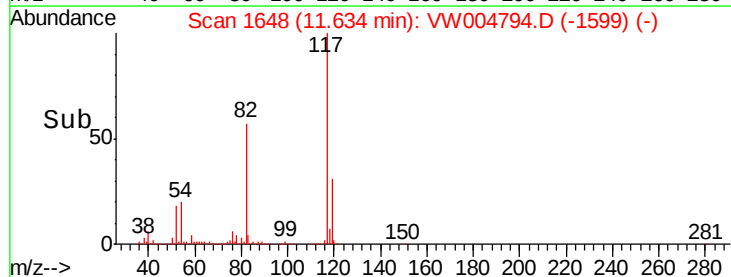
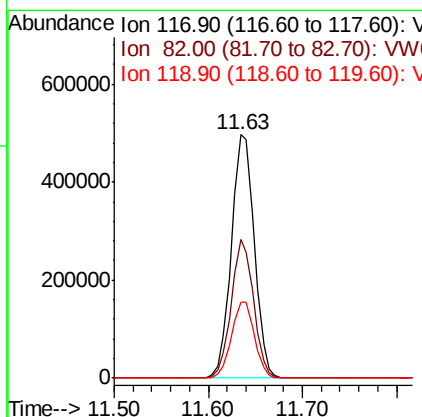
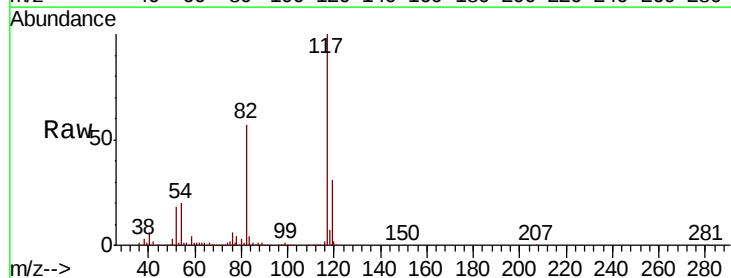
Instrument :
MSVOA_W
ClientSampled :
VSS3

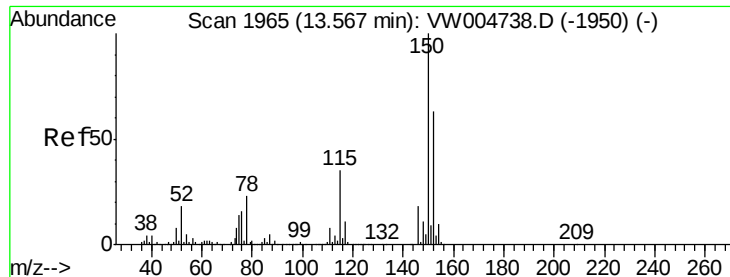
Tgt Ion: 95 Resp: 327430
Ion Ratio Lower Upper
95 100
174 82.4 0.0 165.8
176 80.5 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004794.D
Acq: 20 Aug 2018 16:36

Tgt Ion: 117 Resp: 837361
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 31.2 25.6 38.4

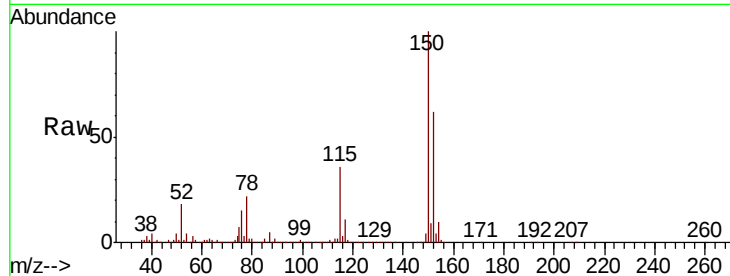




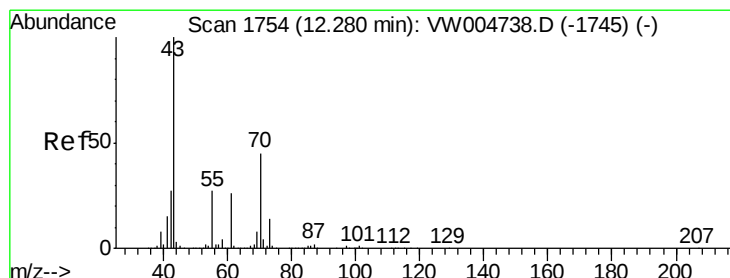
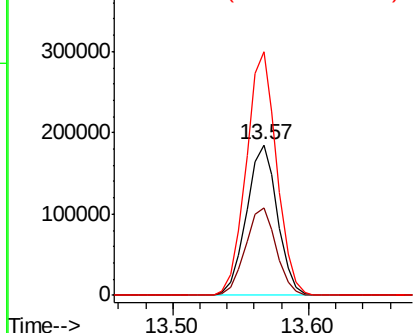
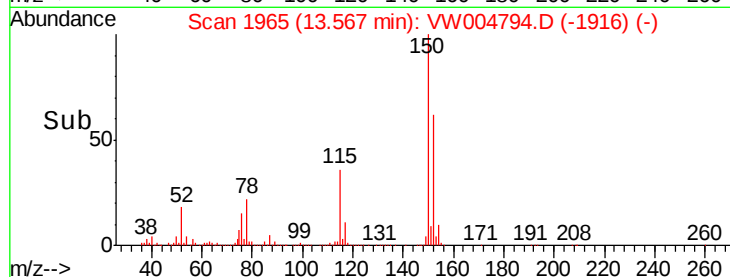
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW004794.D
 Acq: 20 Aug 2018 16:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSS3

Tgt Ion: 152 Resp: 293761
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.5 85.5
 150 159.5 0.0 344.8

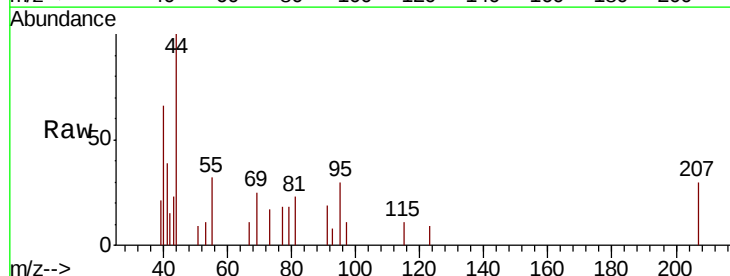


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

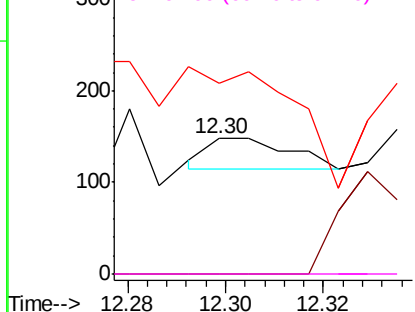
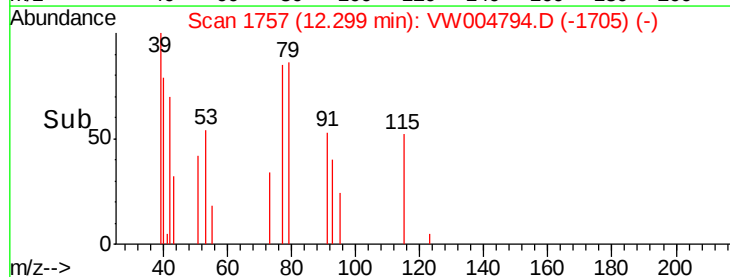


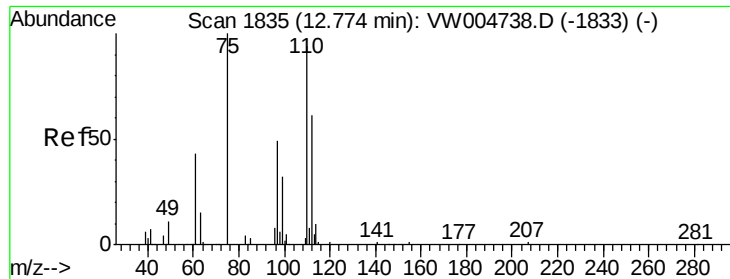
#74
 N-ethyl acetate
 Concen: 4.027 ug/l
 RT: 12.30 min Scan# 1757
 Delta R.T. 0.02 min
 Lab File: VW004794.D
 Acq: 20 Aug 2018 16:36

Tgt Ion: 43 Resp: 40
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.3 54.5#
 55 0.0 22.6 33.8#
 61 0.0 20.2 30.4#



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

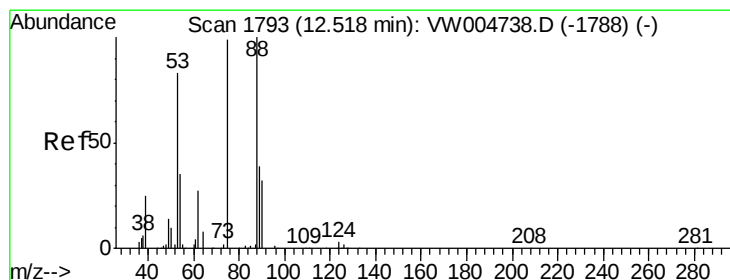
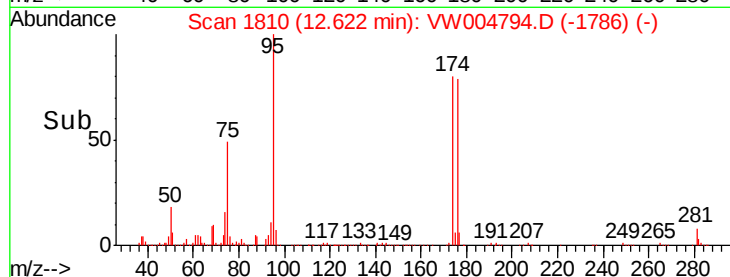
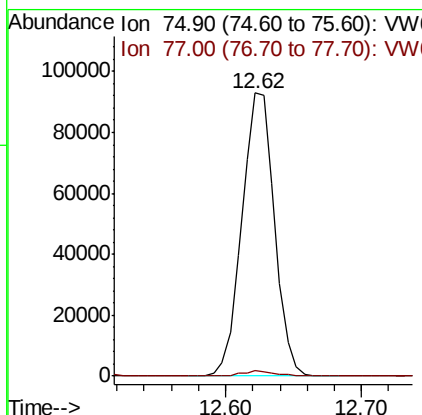
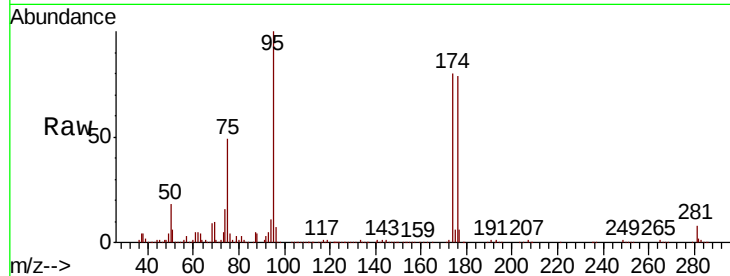




#76
 1,2,3-Trichloropropane
 Concen: 60.009 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004794.D
 Acq: 20 Aug 2018 16:36

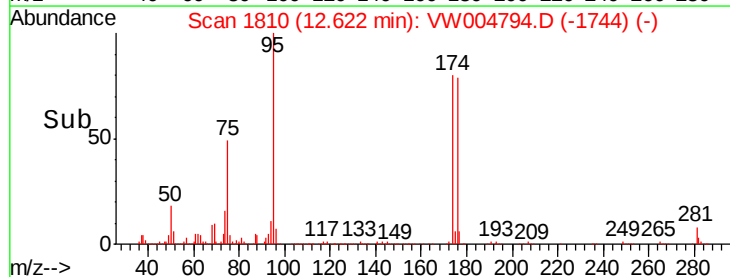
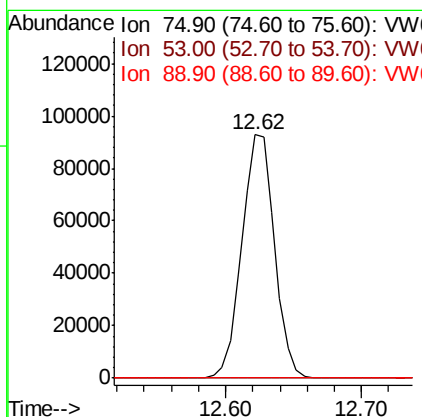
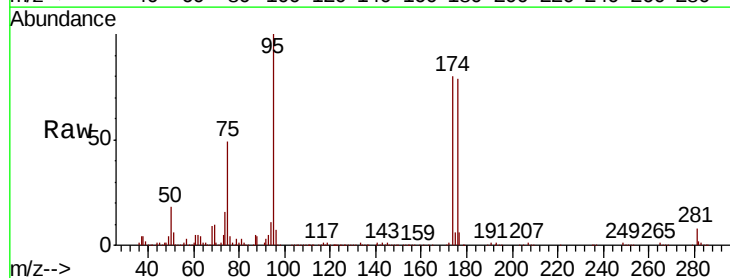
Instrument :
 MSVOA_W
 ClientSampleId :
 VSS3

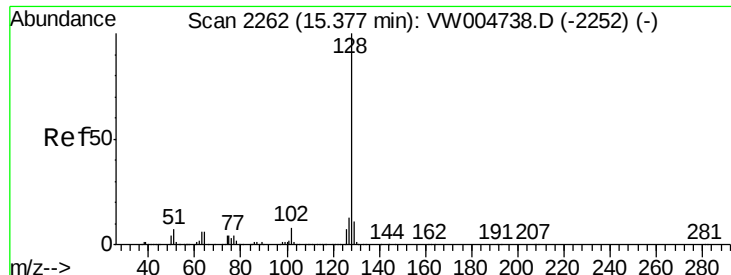
Tgt Ion: 75 Resp: 155397
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.477 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004794.D
 Acq: 20 Aug 2018 16:36

Tgt Ion: 75 Resp: 155397
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.2 108.4#
 89 0.0 35.2 52.8#

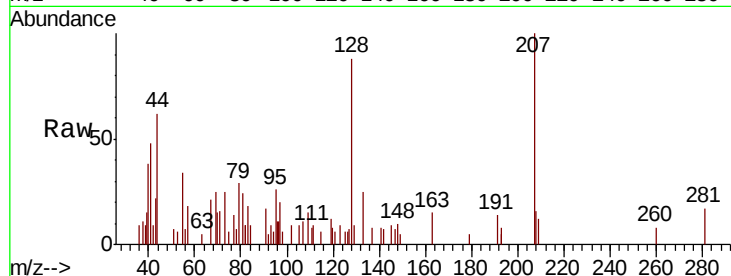




#95
Naphthalene
Concen: 3.654 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VW004794.D
Acq: 20 Aug 2018 16:36

Instrument :
MSVOA_W
ClientSampleId :
VSS3

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	18.8	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

