

Data File : VW004837.D
Acq On : 21 Aug 2018 13:28
Operator : SY/AP
Sample : J4538-01RE
Misc : 12.21G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSS1

Quant Time: Aug 22 05:17:04 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	523326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	842909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	794844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	354096	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	307308	60.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.48%	
35) Dibromofluoromethane	7.89	113	296016	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
50) Toluene-d8	10.33	98	1037120	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.63	95	330136	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

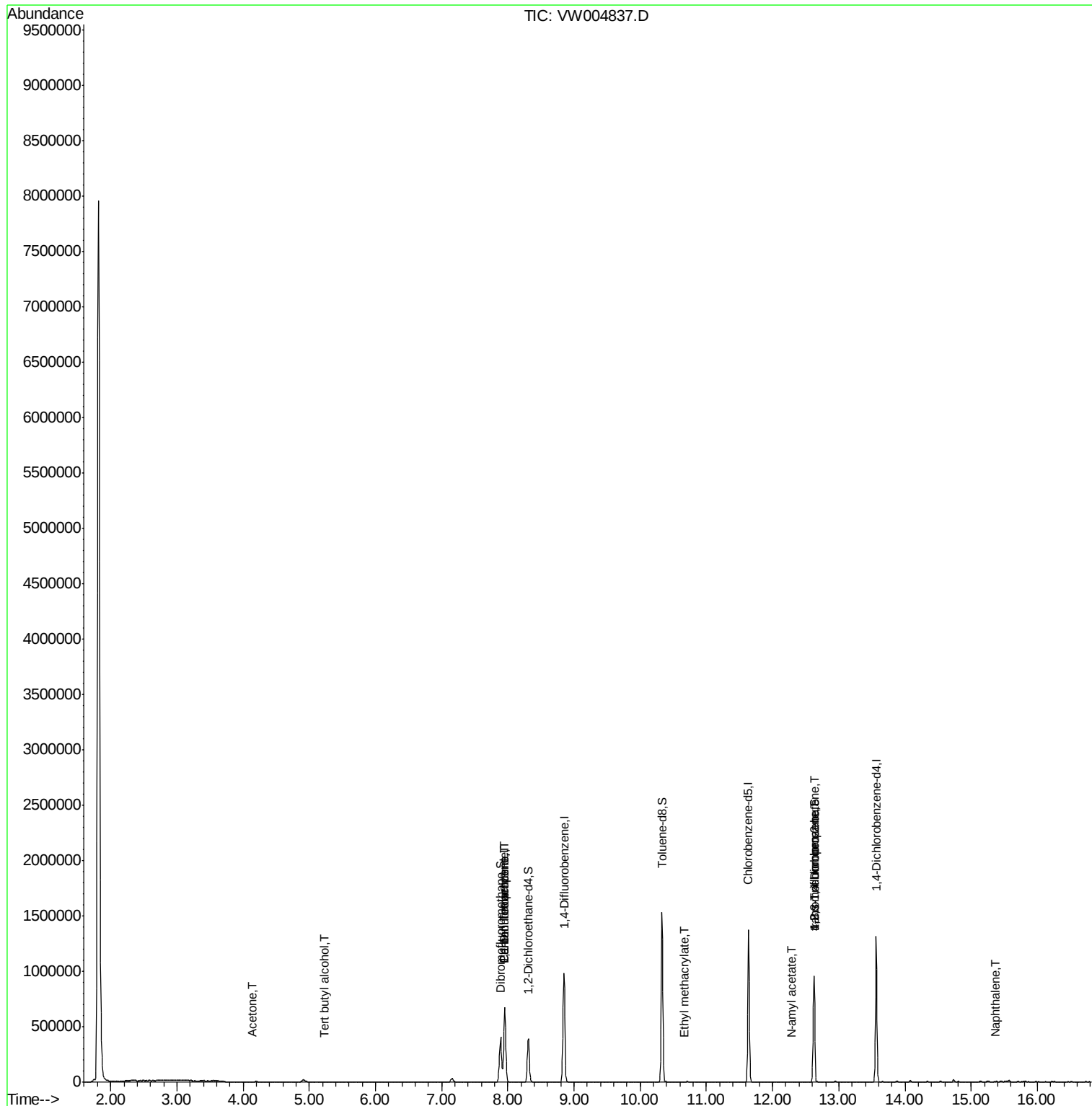
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.23	59	488	1.726	ug/l #	84
16) Acetone	4.15	43	4891	3.787	ug/l	95
20) Methylene Chloride	4.91	84	17569	Below Cal	#	95
36) 1,1-Dichloropropene	7.95	75	38259	4.406	ug/l #	47
38) Carbon Tetrachloride	7.95	117	47911	5.994	ug/l #	16
56) Ethyl methacrylate	10.66	69	72	2.992	ug/l #	75
74) N-amyl acetate	12.28	43	95	4.035	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	158295	50.712	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	158295	117.869	ug/l #	14
95) Naphthalene	15.38	128	2065	3.639	ug/l	98

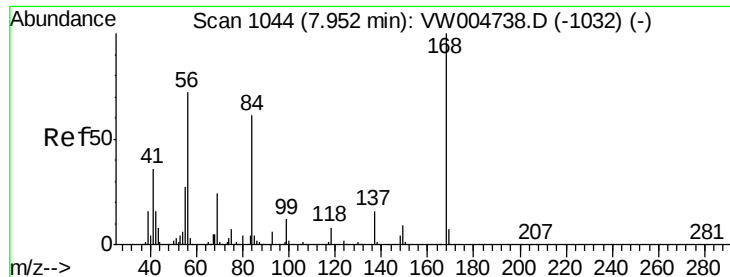
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004837.D

Acq: 21 Aug 2018 13:28

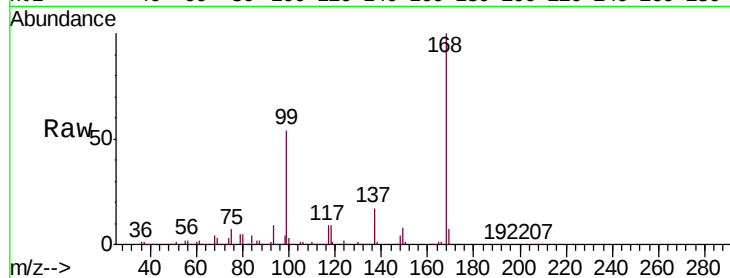
Instrument :
MSVOA_W
ClientSampled :
VSS1

Tgt Ion:168 Resp: 523326

Ion Ratio Lower Upper

168 100

99 53.5 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

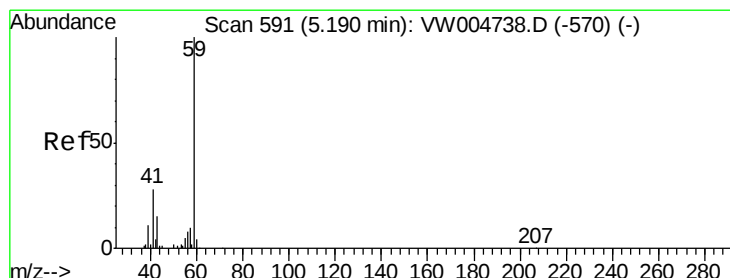
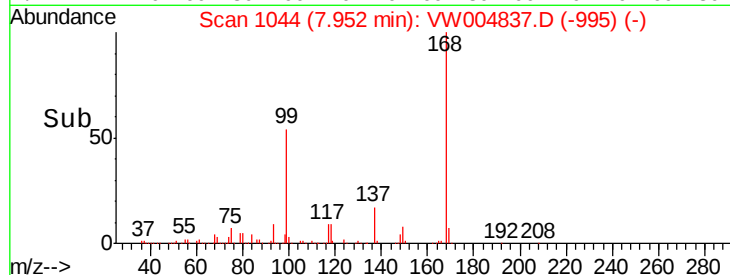
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.726 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.04 min

Lab File: VW004837.D

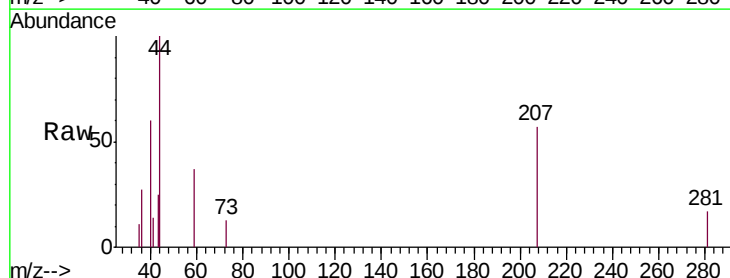
Acq: 21 Aug 2018 13:28

Tgt Ion: 59 Resp: 488

Ion Ratio Lower Upper

59 100

57 4.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

200

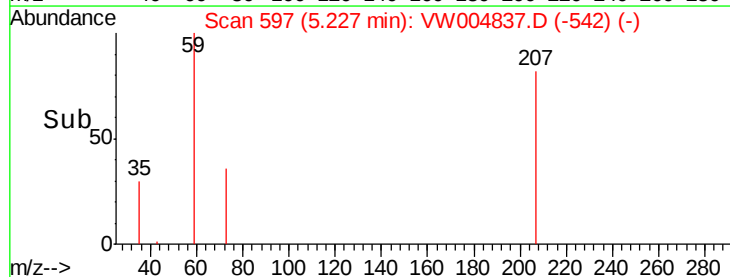
150

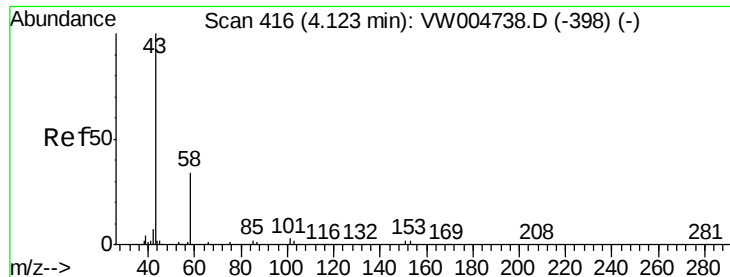
100

50

0

Time-->

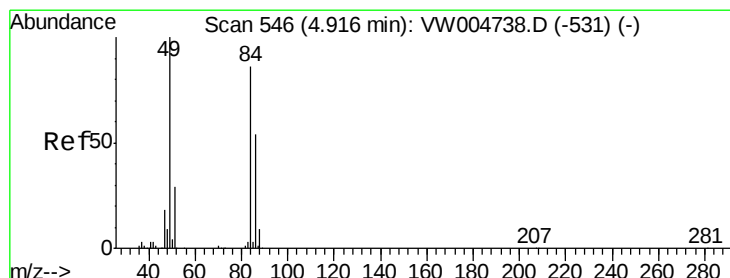
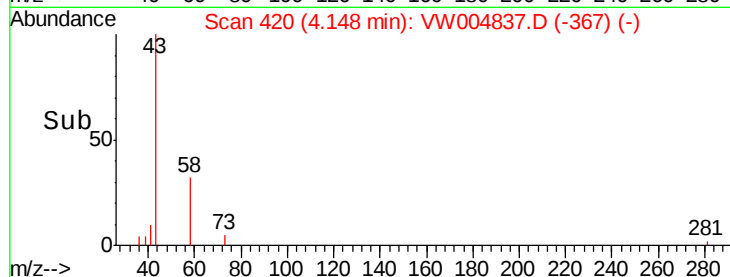
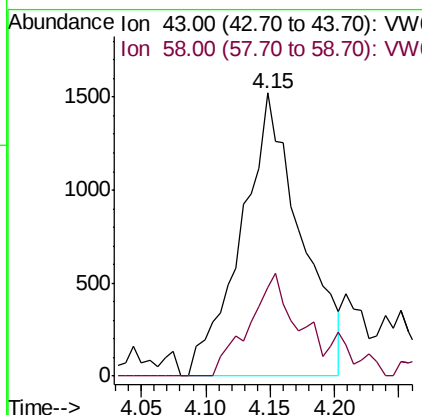
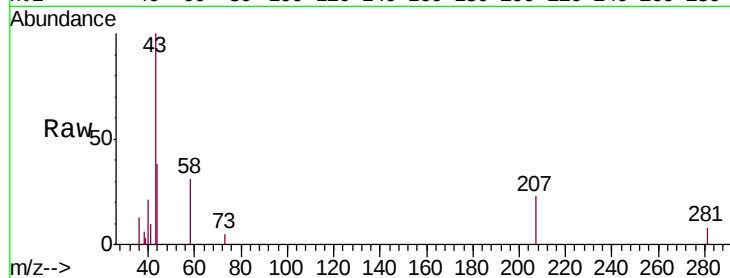




#16
Acetone
Concen: 3.787 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.02 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

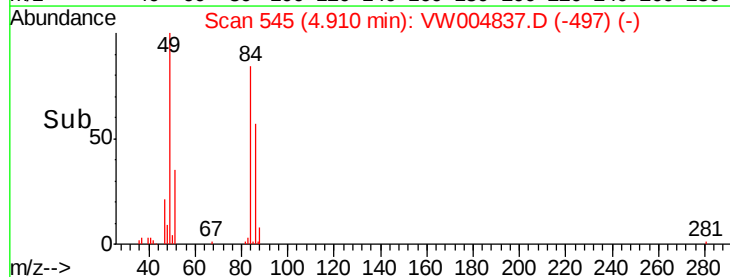
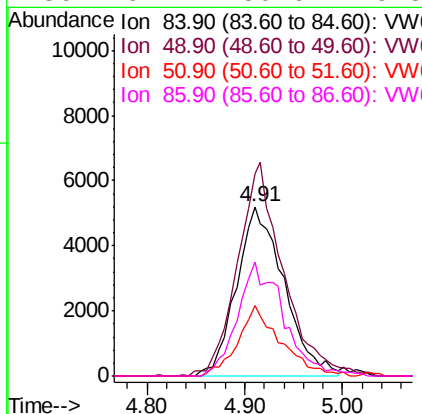
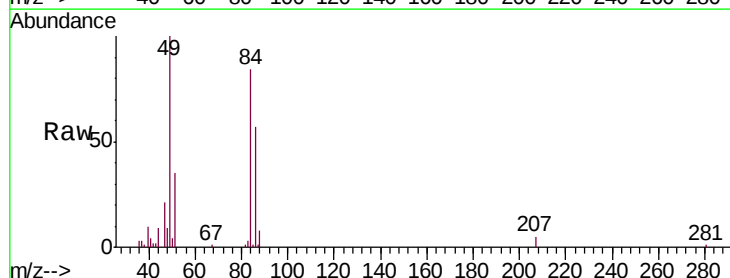
Instrument :
MSVOA_W
ClientSampleId :
VSS1

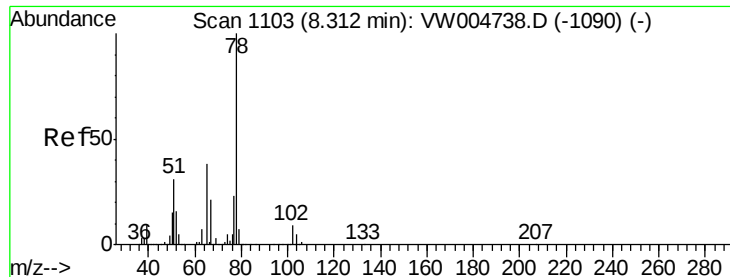
Tgt Ion: 43 Resp: 4891
Ion Ratio Lower Upper
43 100
58 31.2 27.3 40.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

Tgt Ion: 84 Resp: 17569
Ion Ratio Lower Upper
84 100
49 119.5 93.2 139.8
51 42.0 27.4 41.0#
86 67.7 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 60.738 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004837.D

Acq: 21 Aug 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

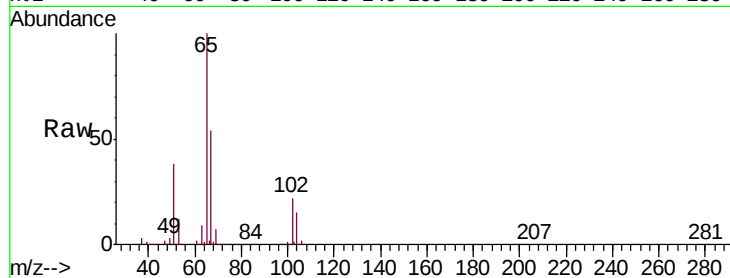
VSS1

Tgt Ion: 65 Resp: 307308

Ion Ratio Lower Upper

65 100

67 54.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

150000

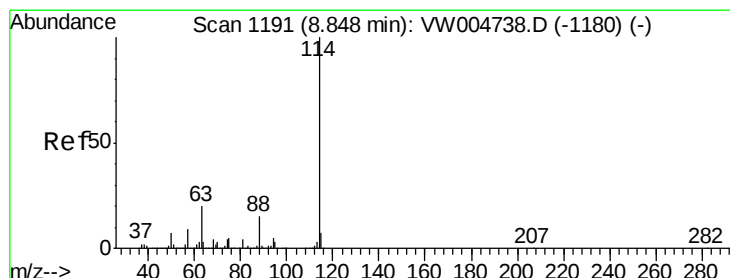
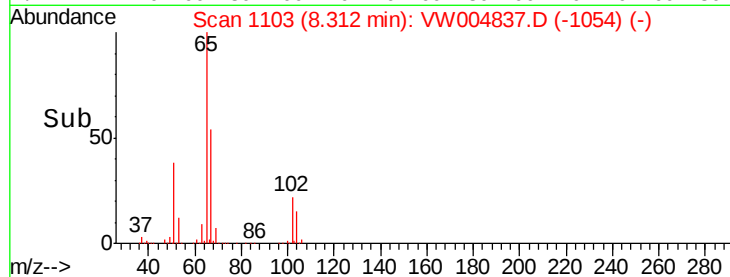
100000

50000

0

Time-->

8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004837.D

Acq: 21 Aug 2018 13:28

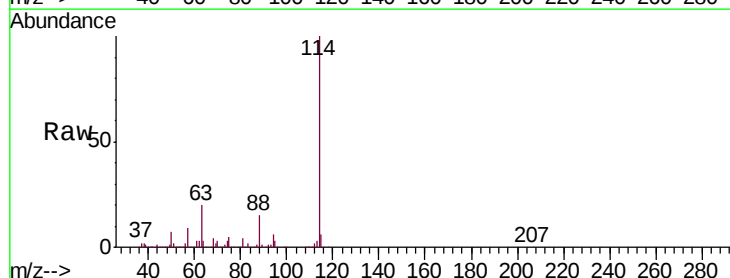
Tgt Ion: 114 Resp: 842909

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

88 15.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

600000

500000

400000

300000

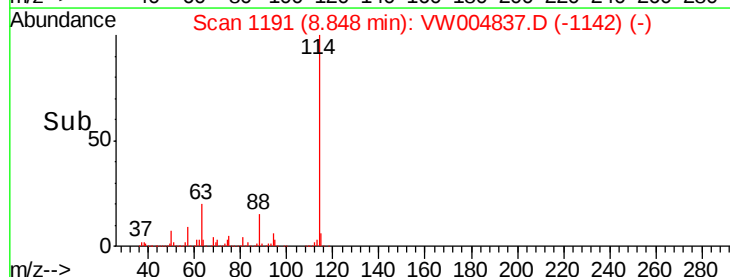
200000

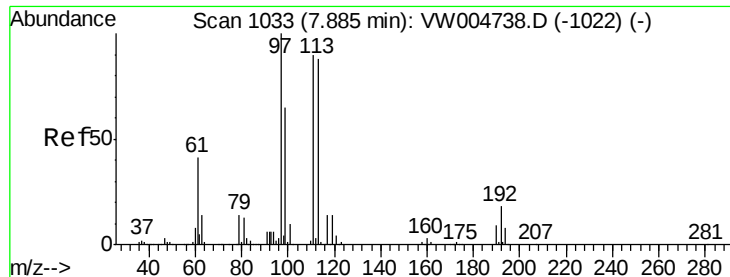
100000

0

Time-->

8.80 8.90

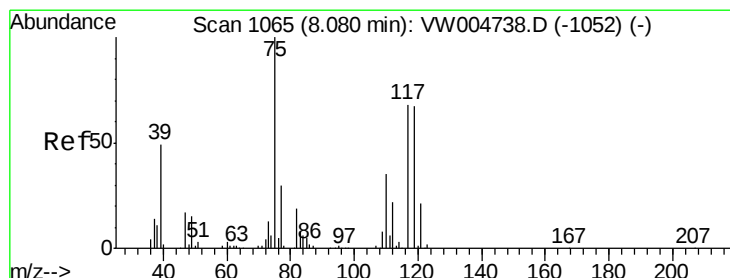
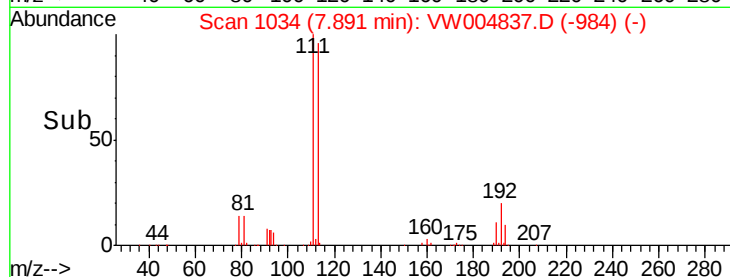
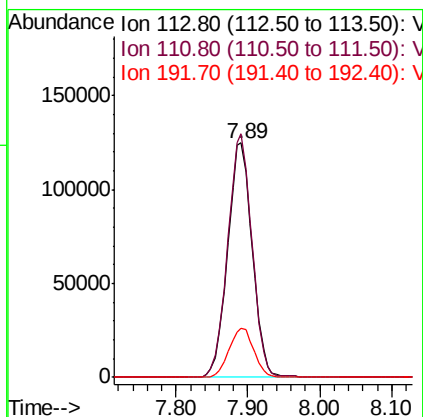
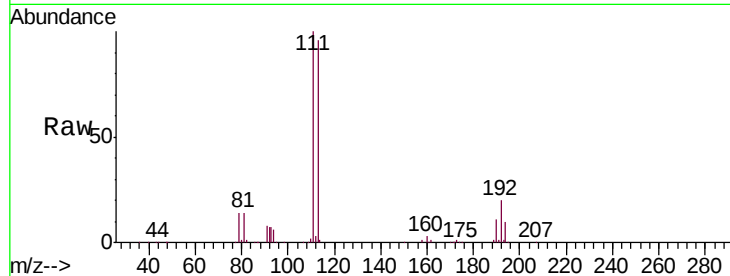




#35
 Dibromofluoromethane
 Concen: 54.947 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004837.D
 Acq: 21 Aug 2018 13:28

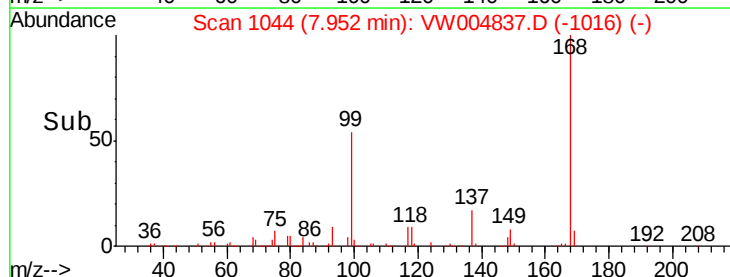
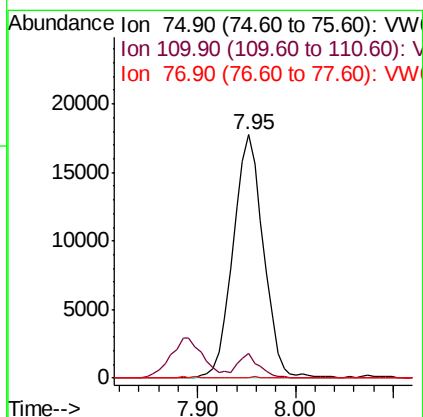
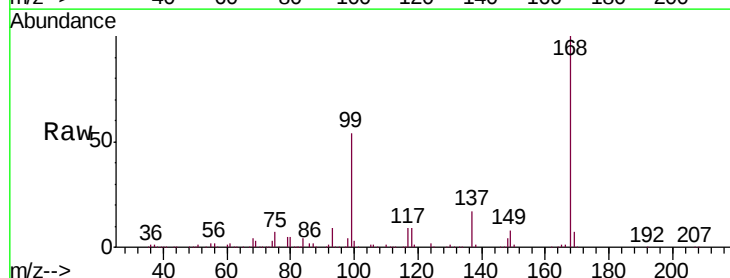
Instrument :
 MSVOA_W
 ClientSampleId :
 VSS1

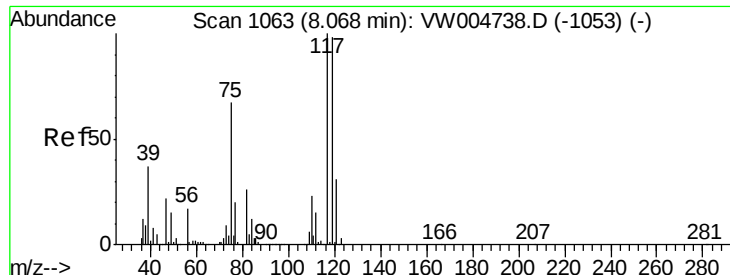
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	21.1	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.406 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004837.D
 Acq: 21 Aug 2018 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	17.8	53.5#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.994 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004837.D

Acq: 21 Aug 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSS1

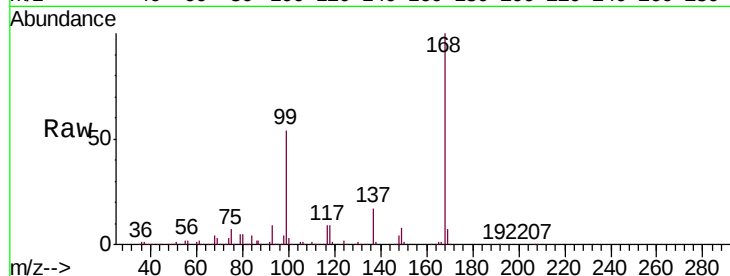
Tgt Ion:117 Resp: 47911

Ion Ratio Lower Upper

117 100

119 6.2 78.0 117.0#

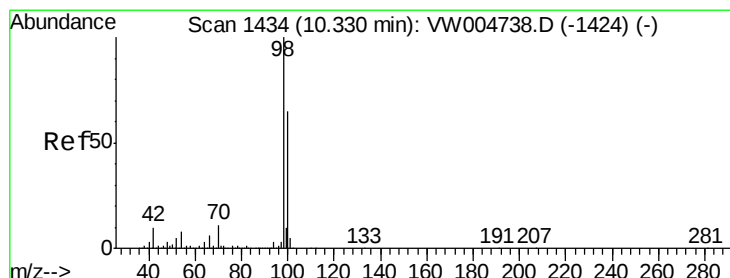
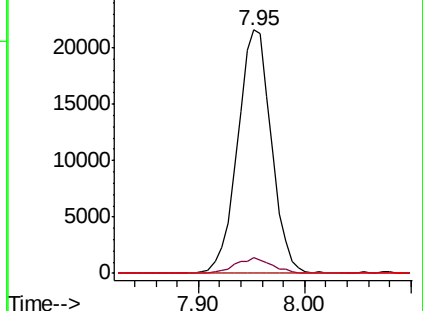
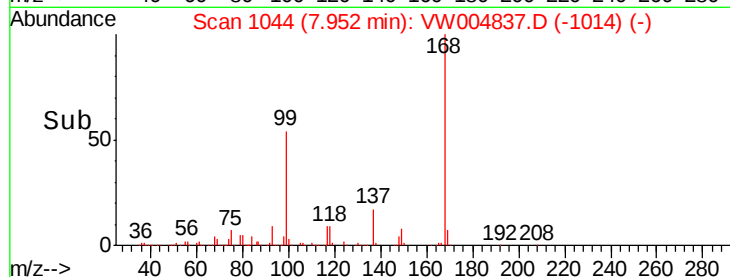
121 0.0 24.8 37.2#



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: 49.317 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004837.D

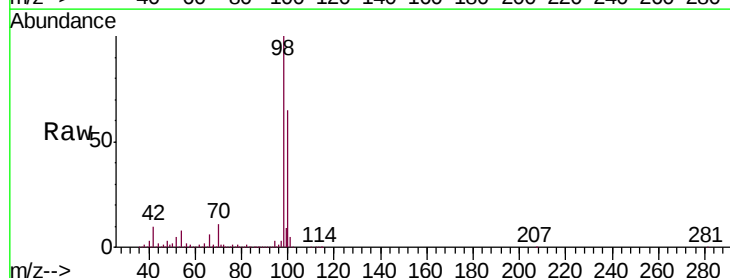
Acq: 21 Aug 2018 13:28

Tgt Ion: 98 Resp: 1037120

Ion Ratio Lower Upper

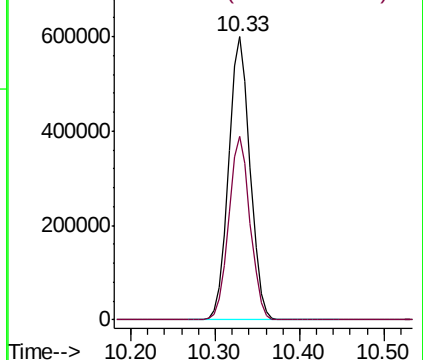
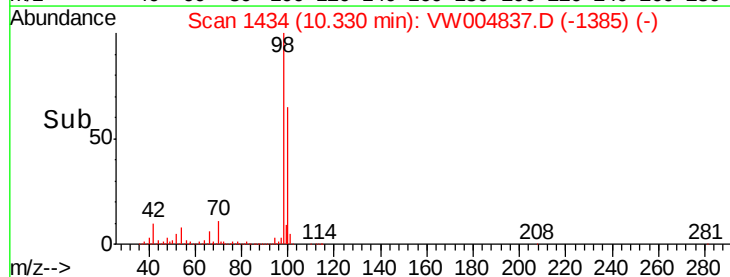
98 100

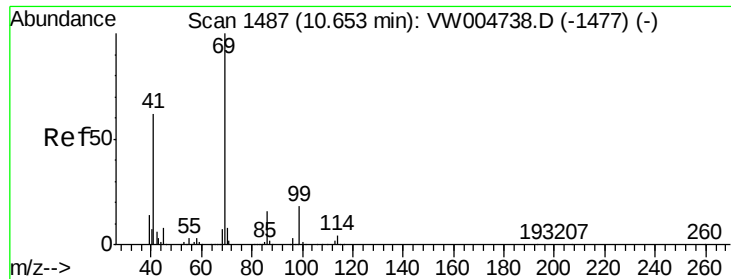
100 64.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.992 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004837.D

Acq: 21 Aug 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VSS1

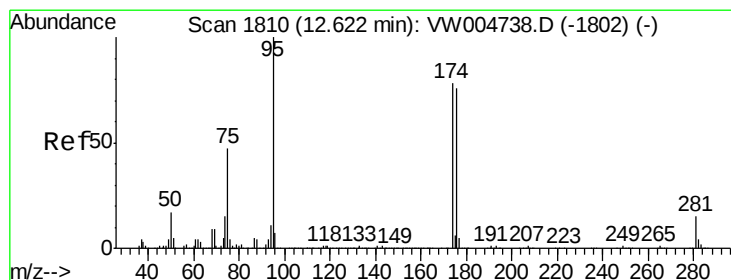
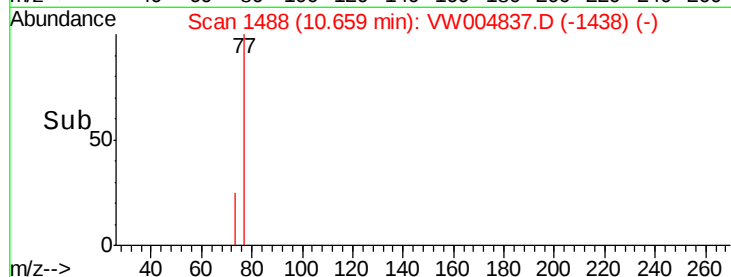
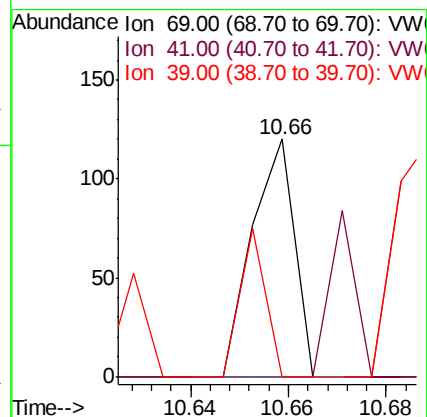
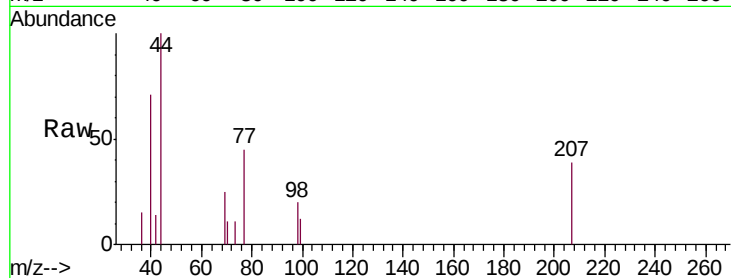
Tgt Ion: 69 Resp: 72

Ion Ratio Lower Upper

69 100

41 43.1 50.7 76.1#

39 37.5 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 43.636 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004837.D

Acq: 21 Aug 2018 13:28

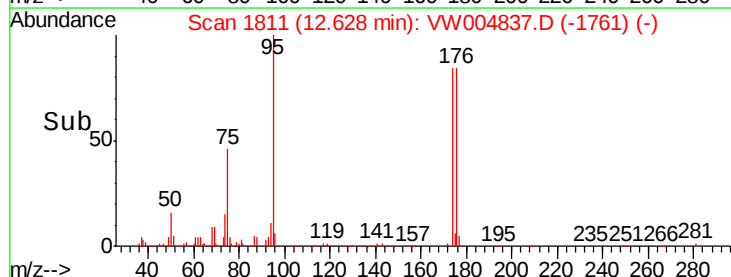
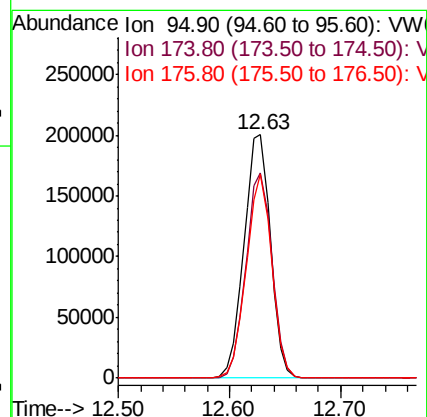
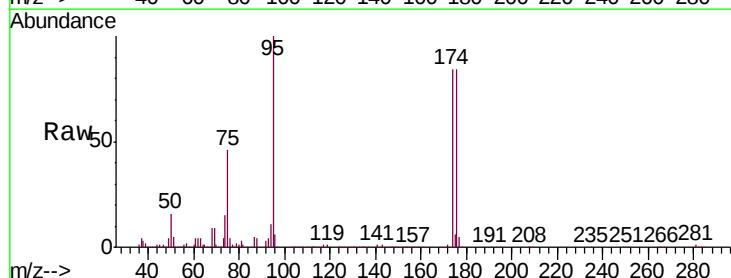
Tgt Ion: 95 Resp: 330136

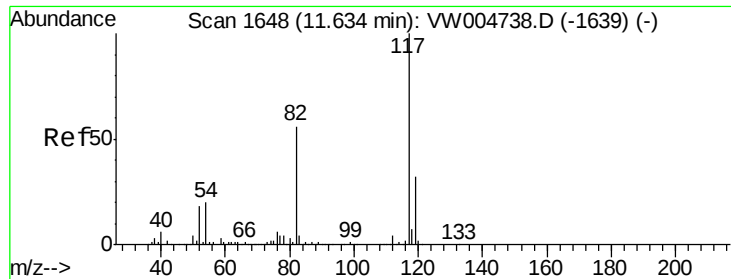
Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

176 80.7 0.0 159.8

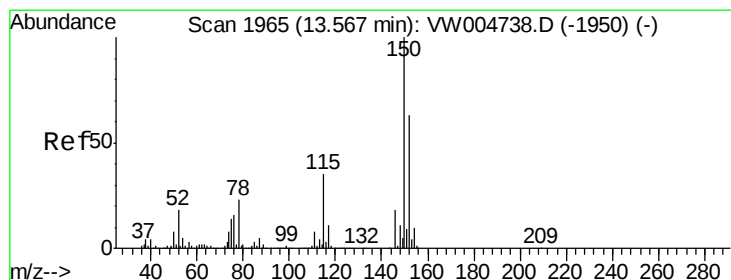
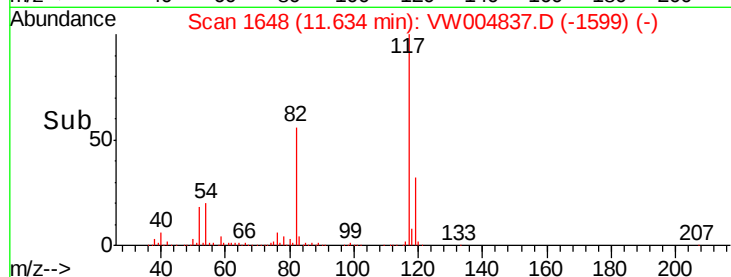
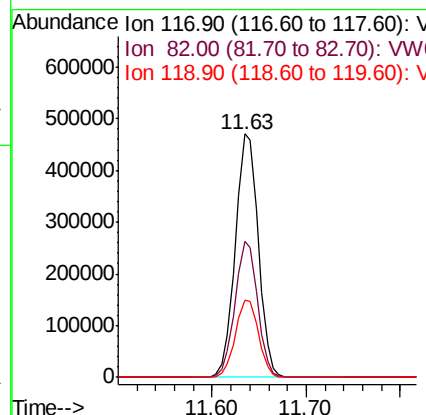
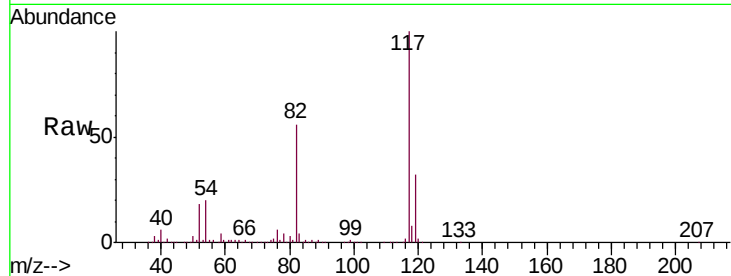




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

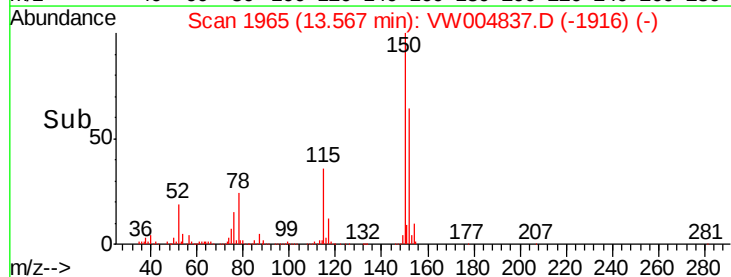
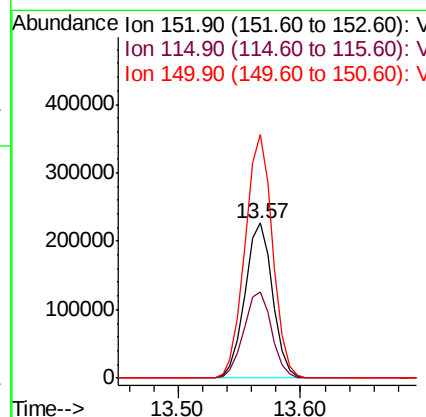
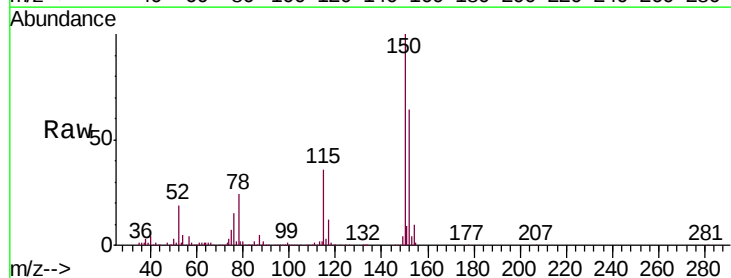
Instrument :
MSVOA_W
ClientSampleId :
VSS1

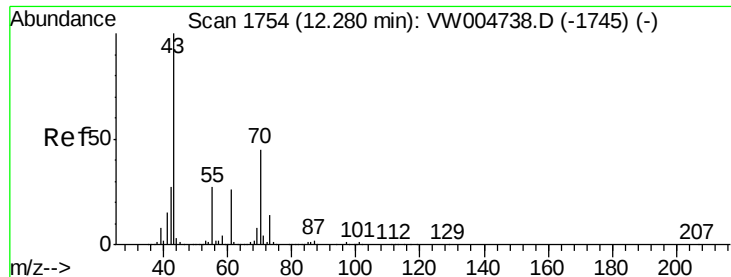
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.6	67.0
119	31.8	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.5	85.5
150	156.6	0.0	344.8

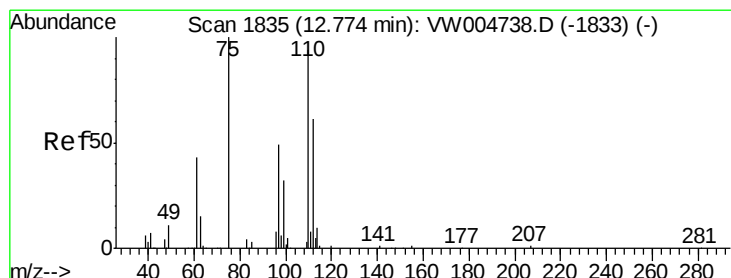
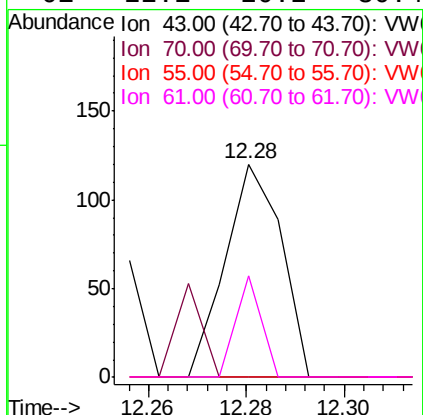
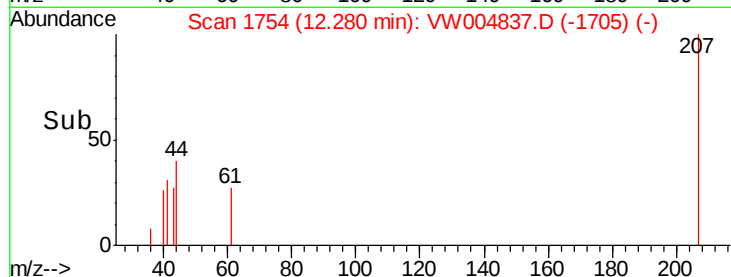
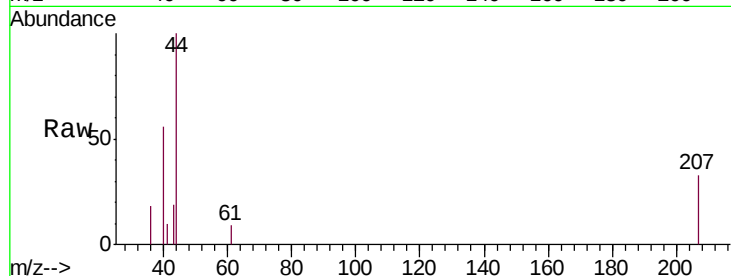




#74
N-ethyl acetate
Concen: 4.035 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

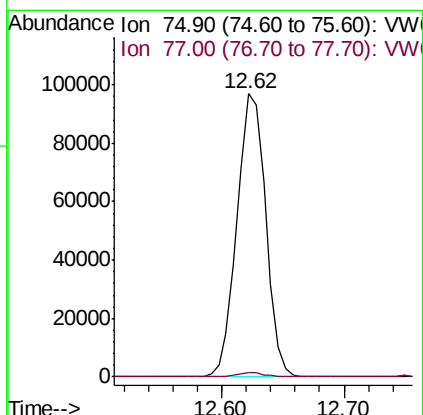
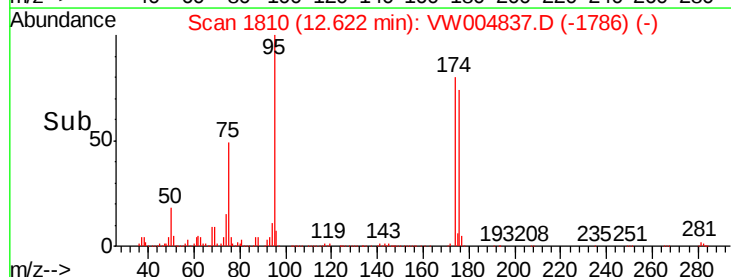
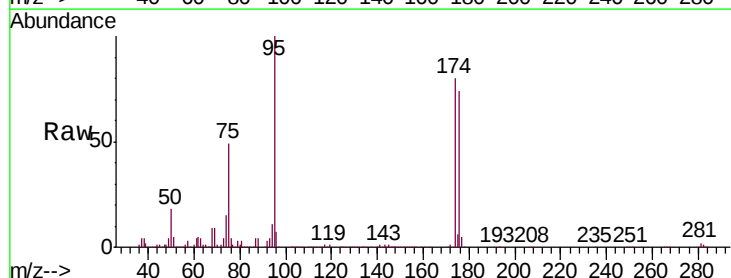
Instrument :
MSVOA_W
ClientSampleId :
VSS1

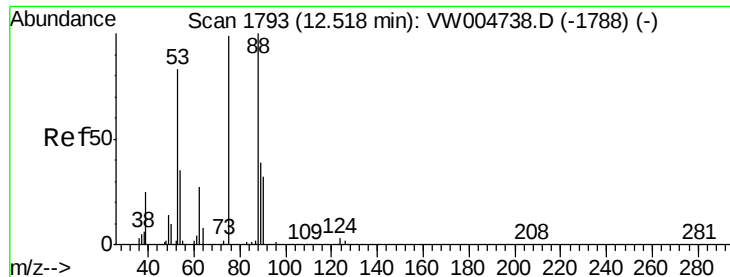
Tgt Ion:	43	Resp:	95
Ion	Ratio	Lower	Upper
43	100		
70	20.0	36.3	54.5#
55	0.0	22.6	33.8#
61	22.1	20.2	30.4



#76
1,2,3-Trichloropropane
Concen: 50.712 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

Tgt Ion:	75	Resp:	158295
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

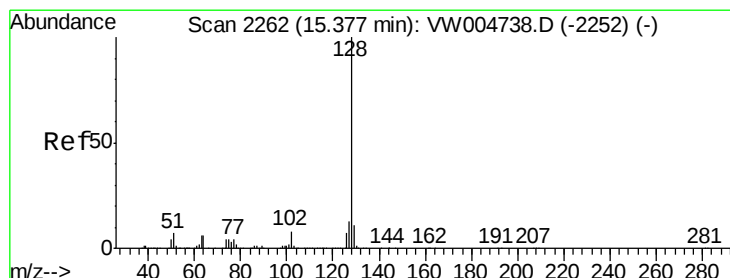
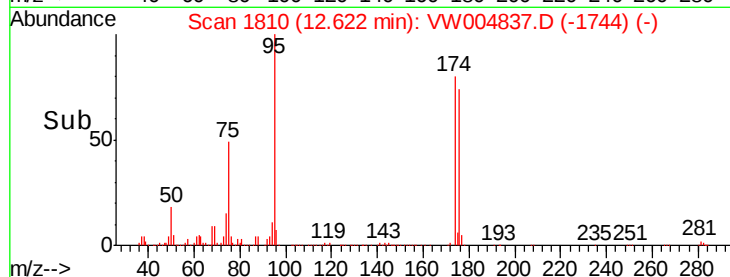
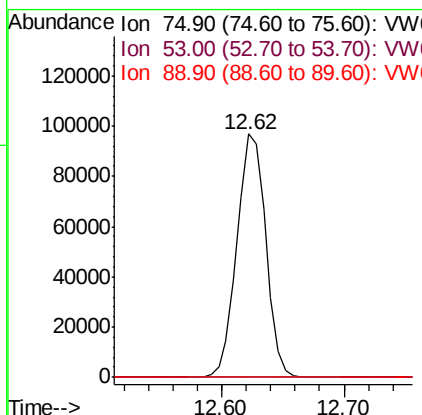
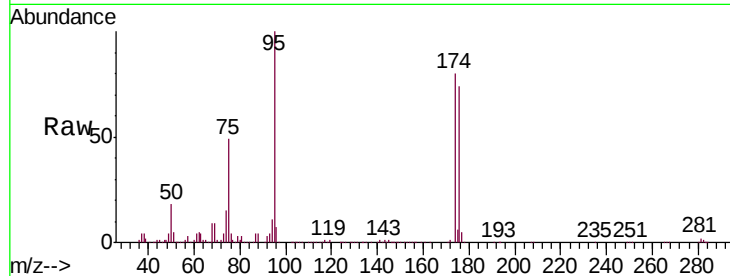




#81
trans-1,4-Dichloro-2-butene
Concen: 117.869 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

Instrument :
MSVOA_W
ClientSampleId :
VSS1

Tgt Ion: 75 Resp: 158295
Ion Ratio Lower Upper
75 100
53 0.3 72.2 108.4#
89 0.0 35.2 52.8#



#95
Naphthalene
Concen: 3.639 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004837.D
Acq: 21 Aug 2018 13:28

Tgt Ion: 128 Resp: 2065
Ion Ratio Lower Upper
128 100
127 14.0 10.4 15.6
129 10.3 8.6 13.0

