

Data File : VW004753.D
Acq On : 18 Aug 2018 00:30
Operator : SY/AP
Sample : J4460-09RE
Misc : 5.07G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

Quant Time: Aug 18 02:41:44 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	587347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	967710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	845297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	343829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	319504	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	7.89	113	315467	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.33	98	1090337	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
62) 4-Bromofluorobenzene	12.62	95	323092	37.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.40%	

Target Compounds

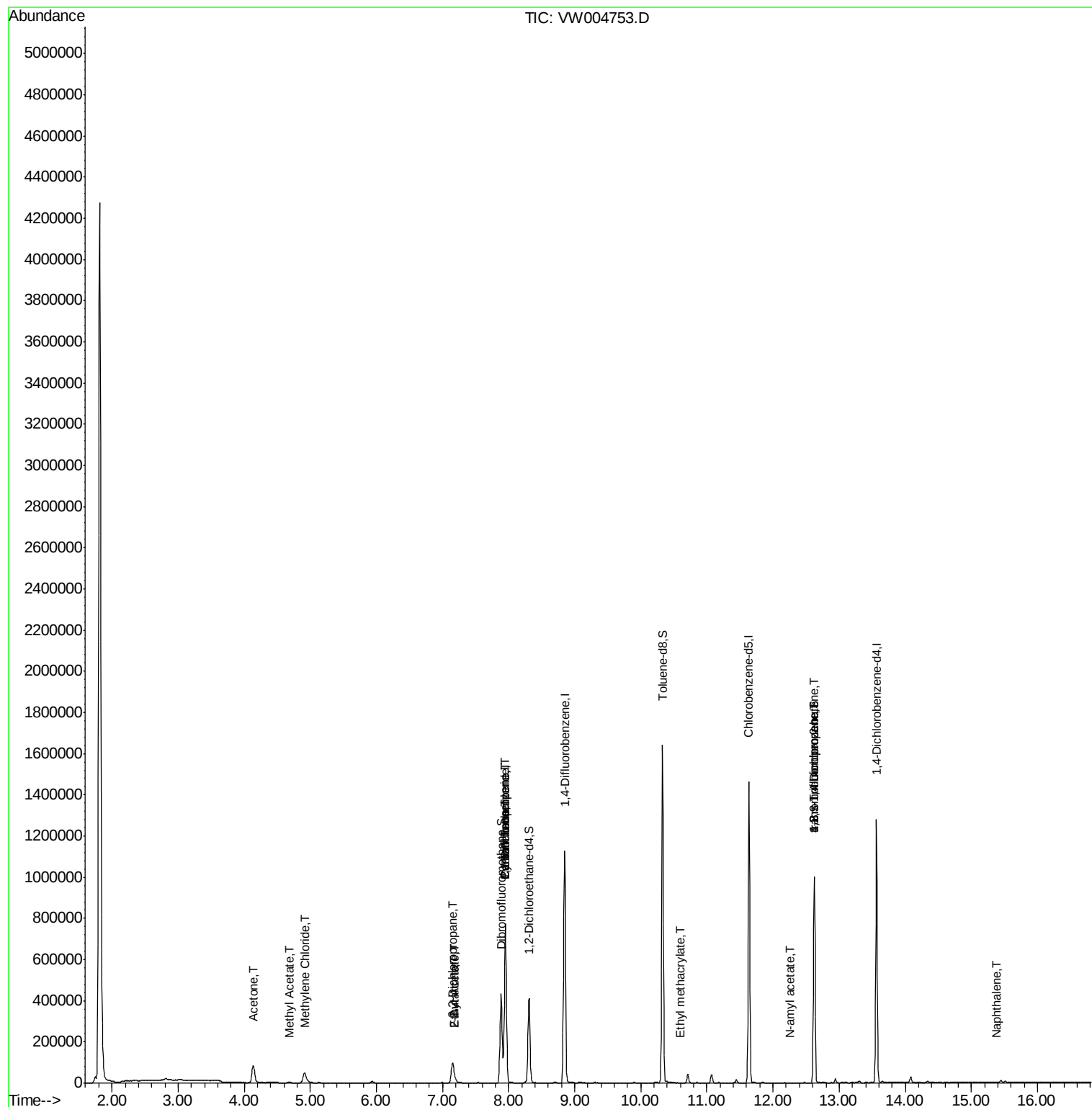
						Qvalue
16) Acetone	4.14	43	154327	106.464	ug/l	97
18) Methyl Acetate	4.68	43	3876	1.248	ug/l	99
20) Methylene Chloride	4.91	84	46634	2.988	ug/l	94
25) 2-Butanone	7.18	43	26422	12.793	ug/l	96
26) 2,2-Dichloropropane	7.15	77	6994	1.055	ug/l #	50
31) Cyclohexane	7.95	56	11431	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	44131	4.427	ug/l #	49
37) Ethyl Acetate	7.18	43	26422	6.649	ug/l #	69
38) Carbon Tetrachloride	7.95	117	53974	5.882	ug/l #	16
56) Ethyl methacrylate	10.59	69	44	2.987	ug/l #	1
74) N-amyl acetate	12.26	43	486	4.101	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	150913	49.791	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	150913	115.728	ug/l #	14
95) Naphthalene	15.38	128	1223	3.588	ug/l #	93

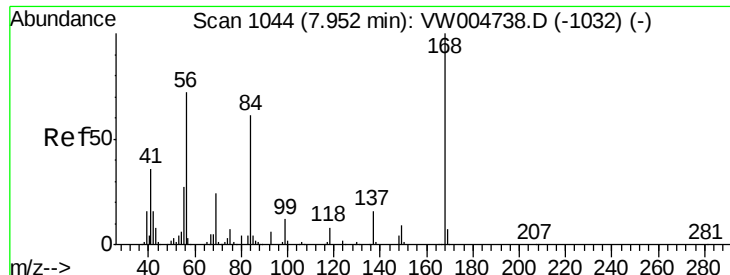
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004753.D

Acq: 18 Aug 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

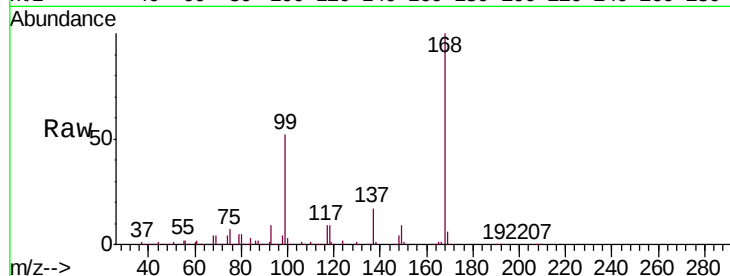
RA-081018-FL-009

Tgt Ion:168 Resp: 587347

Ion Ratio Lower Upper

168 100

99 52.2 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

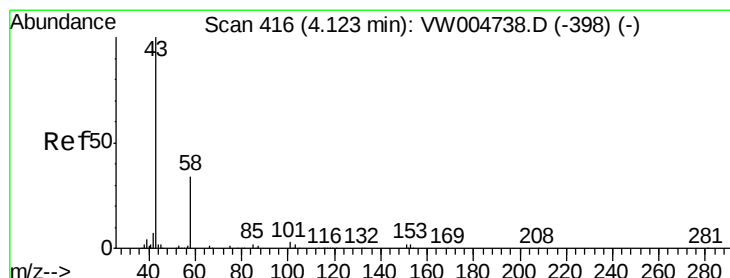
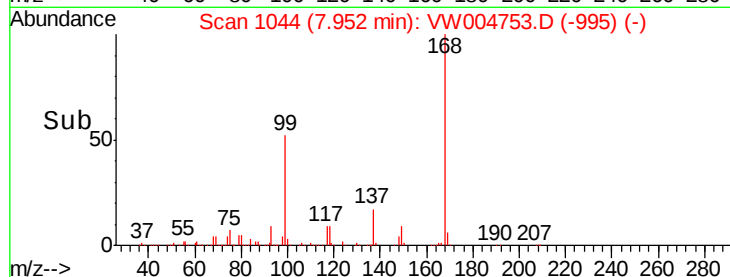
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 106.464 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004753.D

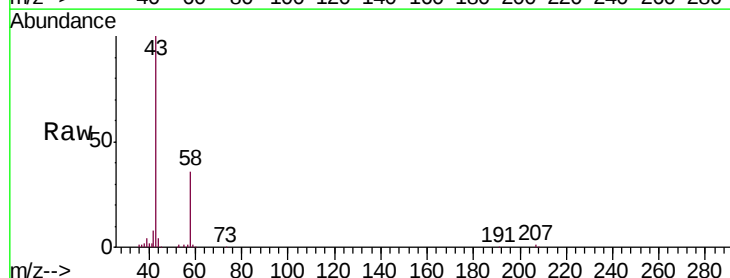
Acq: 18 Aug 2018 00:30

Tgt Ion: 43 Resp: 154327

Ion Ratio Lower Upper

43 100

58 35.6 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

60000

50000

40000

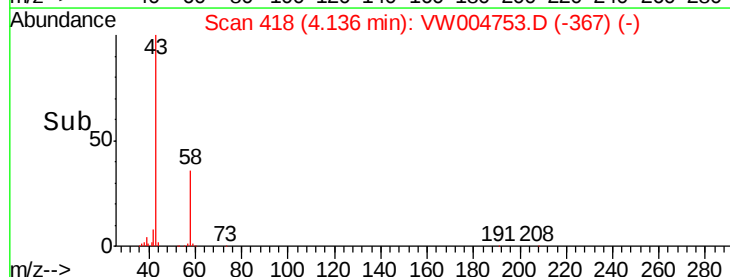
30000

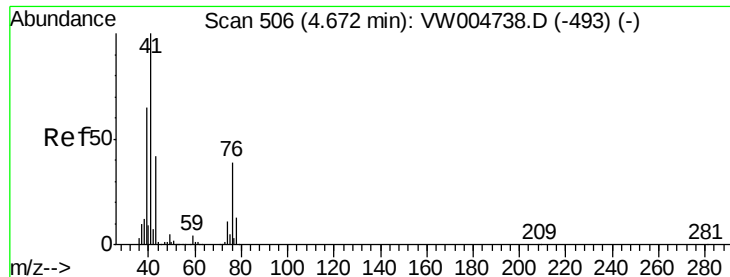
20000

10000

0

Time-->

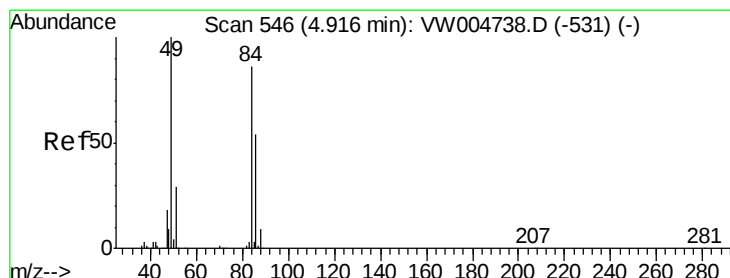
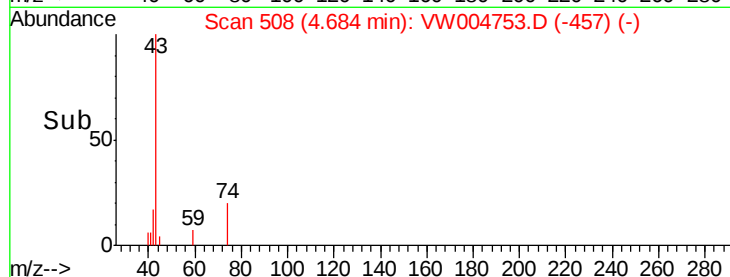
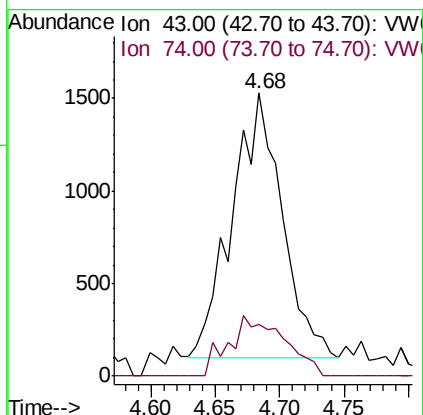
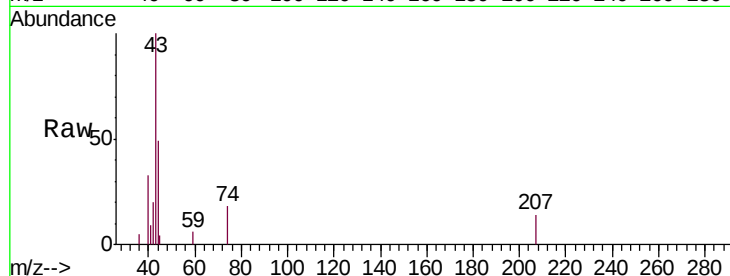




#18
Methyl Acetate
Concen: 1.248 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

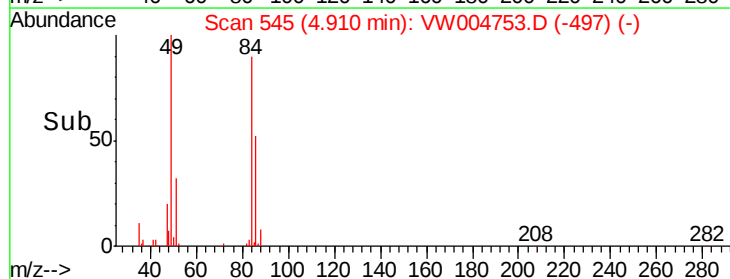
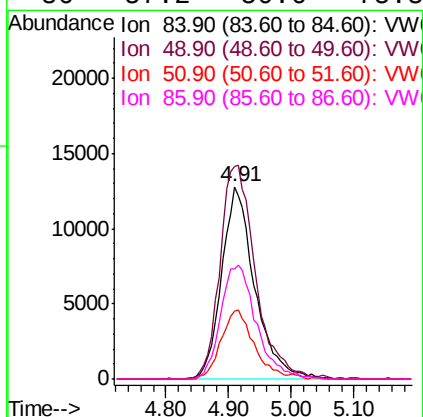
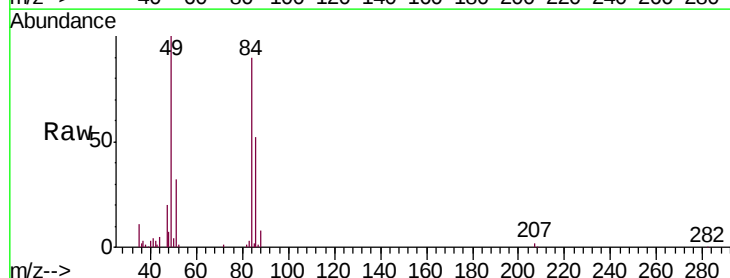
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

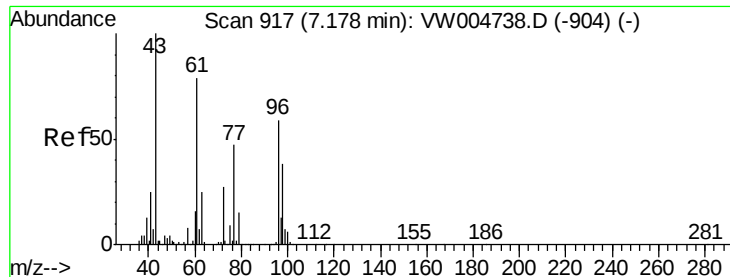
Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8



#20
Methylene Chloride
Concen: 2.988 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Tgt Ion: 84 Resp: 46634
Ion Ratio Lower Upper
84 100
49 110.1 93.2 139.8
51 35.5 27.4 41.0
86 57.2 50.6 75.8





#25

2-Butanone

Concen: 12.793 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004753.D

Acq: 18 Aug 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

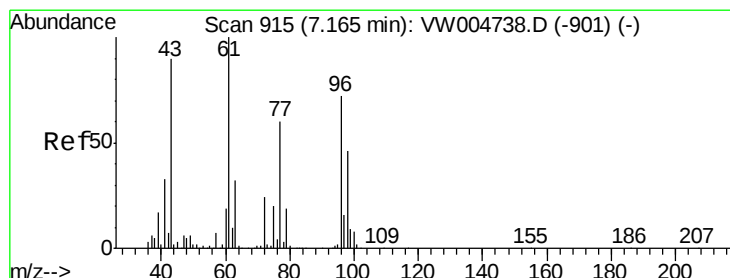
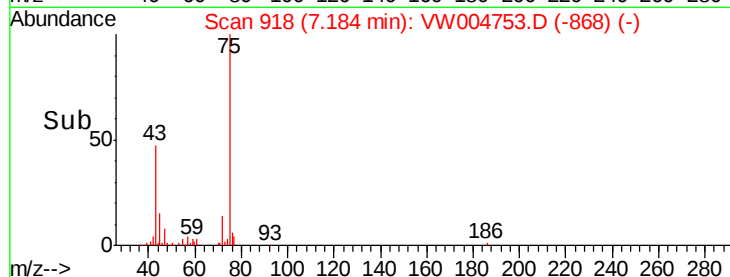
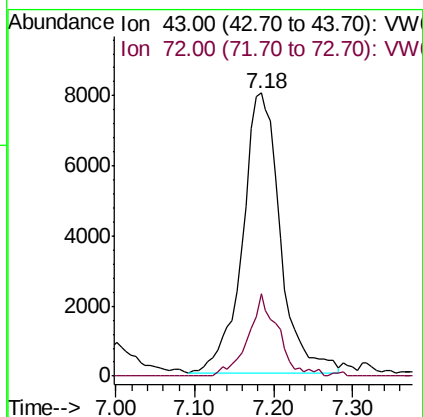
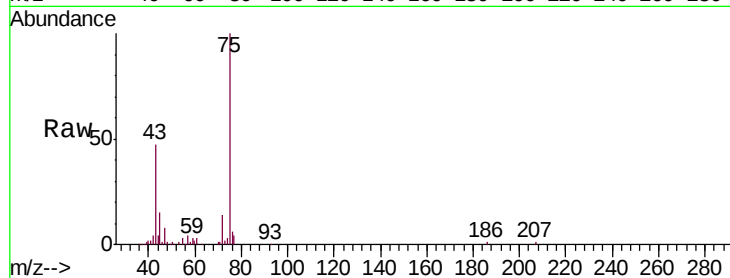
RA-081018-FL-009

Tgt Ion: 43 Resp: 26422

Ion Ratio Lower Upper

43 100

72 29.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.055 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW004753.D

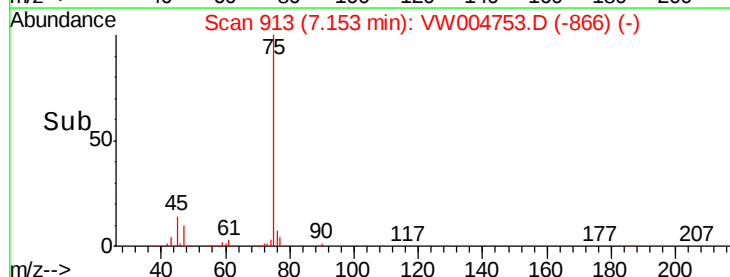
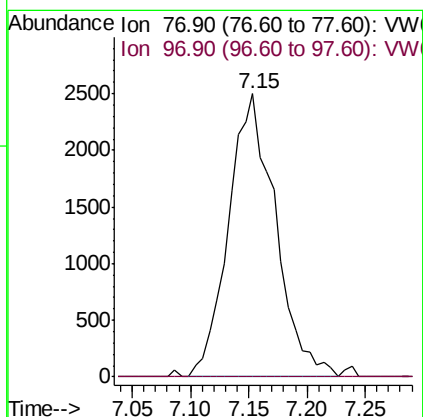
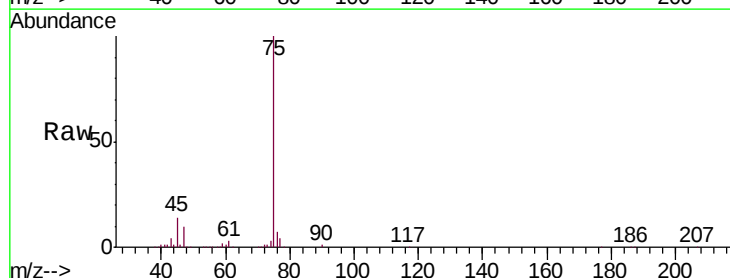
Acq: 18 Aug 2018 00:30

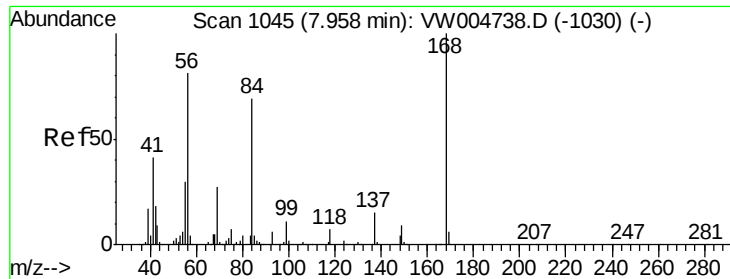
Tgt Ion: 77 Resp: 6994

Ion Ratio Lower Upper

77 100

97 0.0 12.6 37.8#

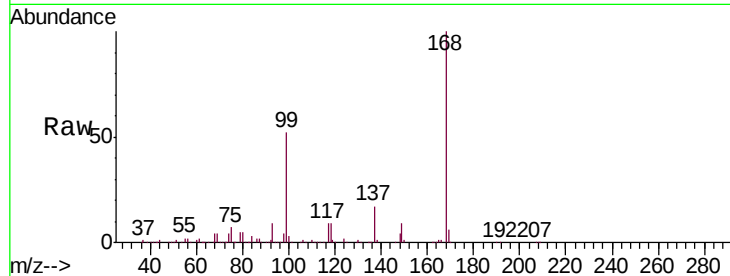




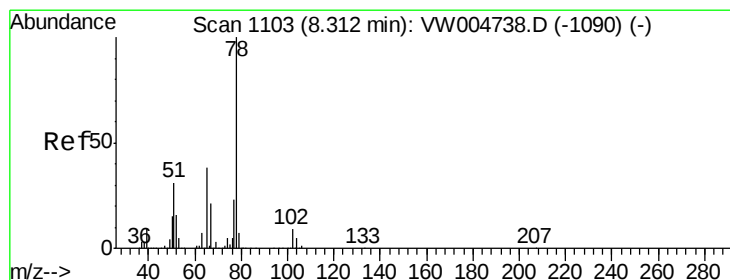
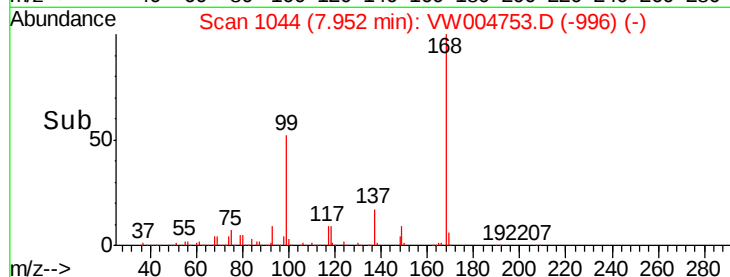
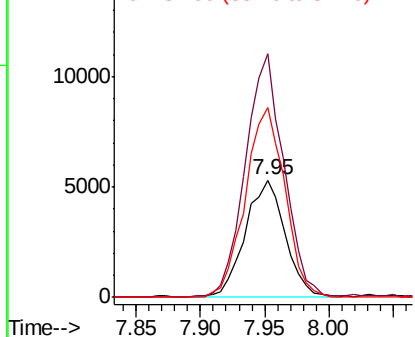
#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

Tgt Ion: 56 Resp: 11431
Ion Ratio Lower Upper
56 100
69 207.2 27.1 40.7#
84 161.2 68.3 102.5#

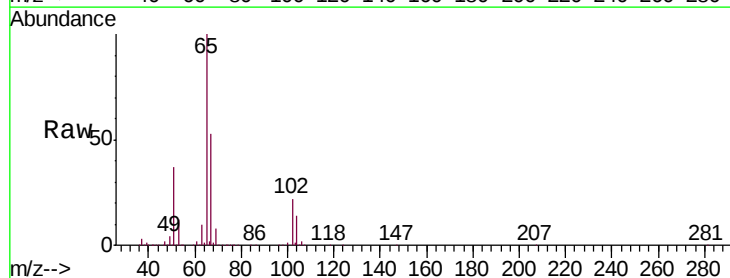


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

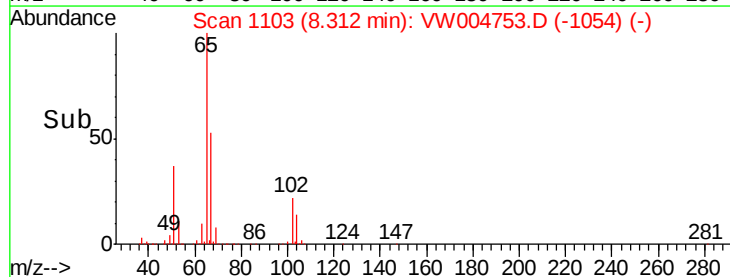
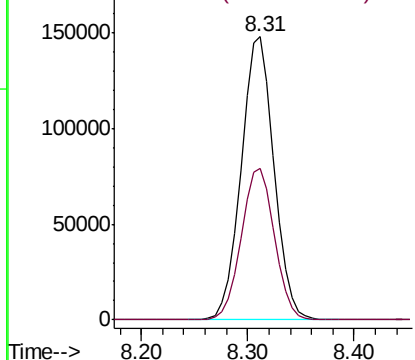


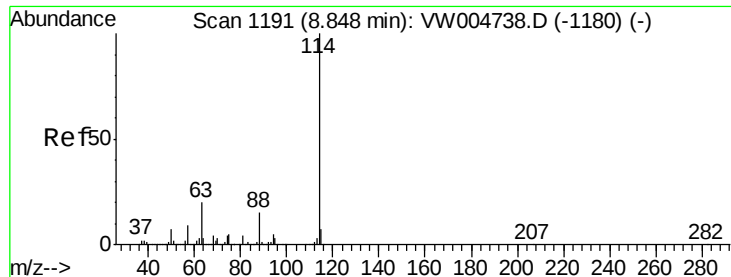
#33
1,2-Dichloroethane-d4
Concen: 56.266 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Tgt Ion: 65 Resp: 319504
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

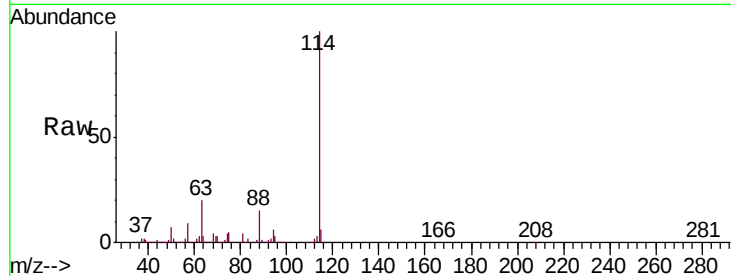




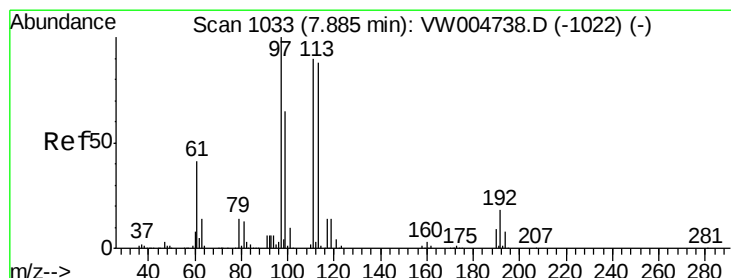
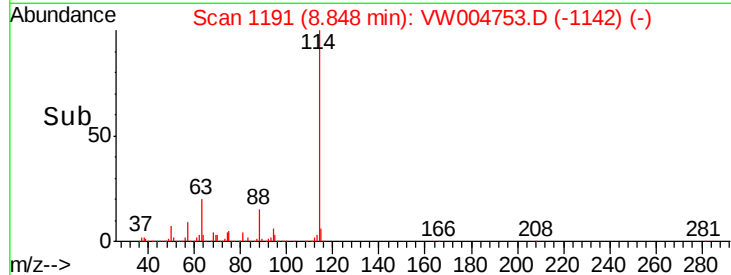
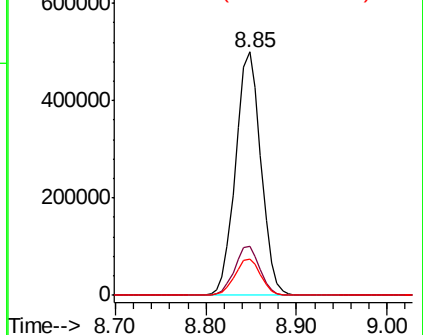
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

Tgt Ion:114 Resp: 967710
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.0
88 15.1 0.0 30.0

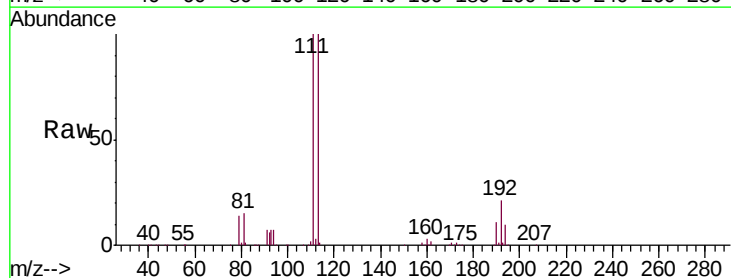


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

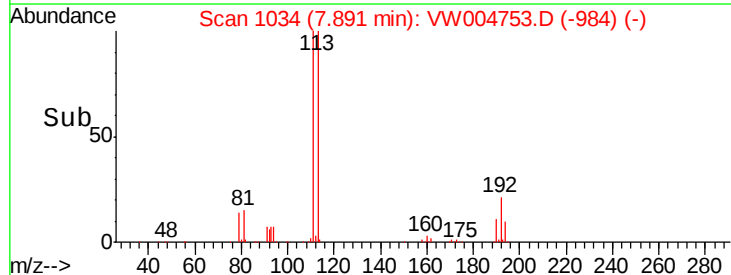
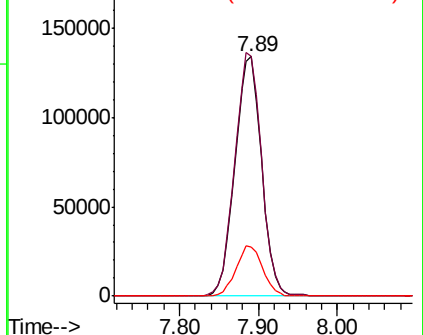


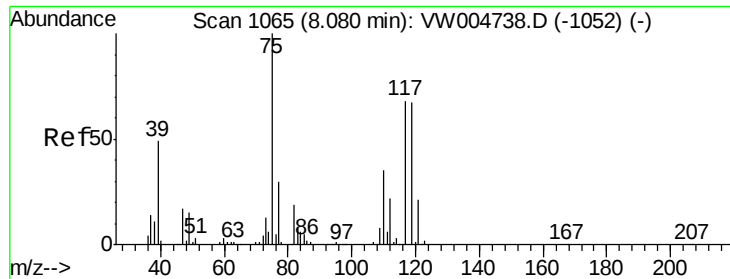
#35
Dibromofluoromethane
Concen: 51.006 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Tgt Ion:113 Resp: 315467
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 21.0 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.427 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004753.D

Acq: 18 Aug 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-FL-009

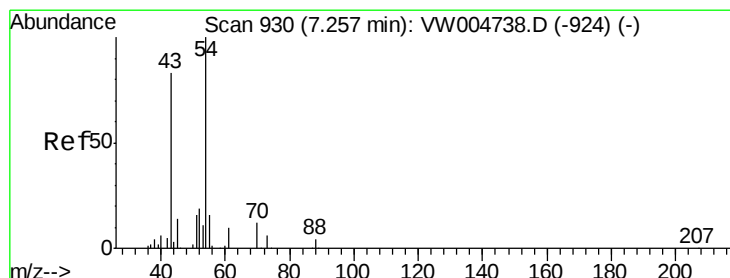
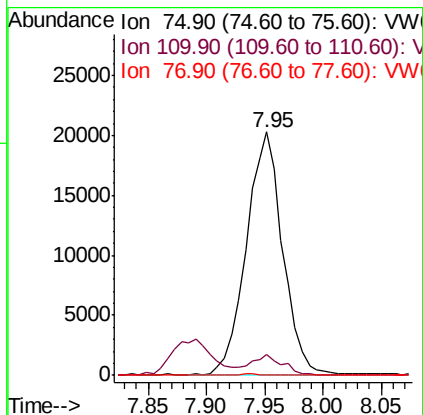
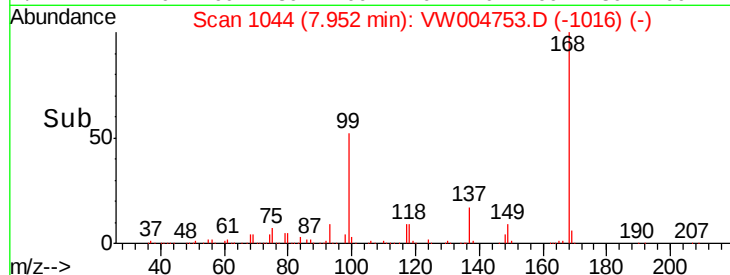
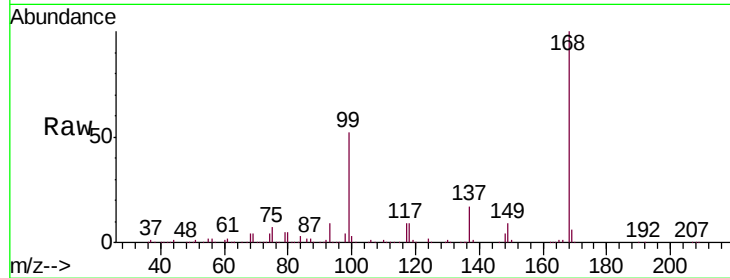
Tgt Ion: 75 Resp: 44131

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.5#

77 0.3 24.9 37.3#



#37

Ethyl Acetate

Concen: 6.649 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004753.D

Acq: 18 Aug 2018 00:30

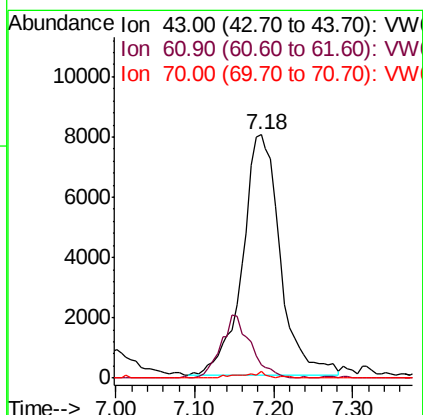
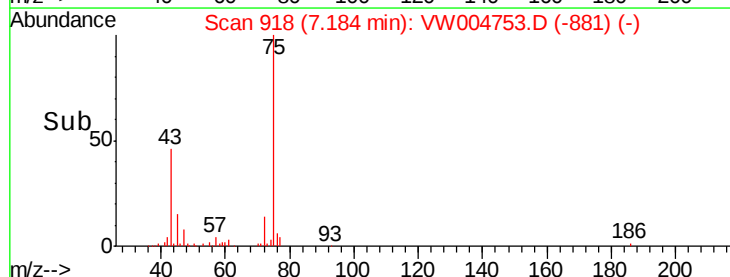
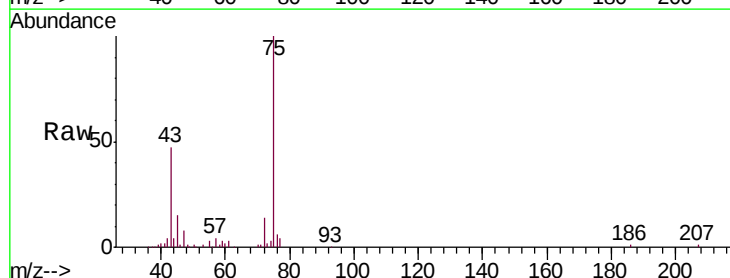
Tgt Ion: 43 Resp: 26422

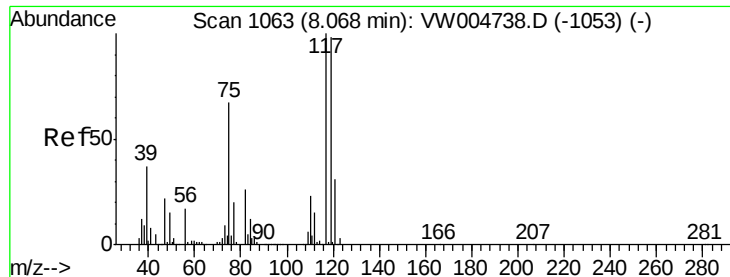
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 1.6 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004753.D

Acq: 18 Aug 2018 00:30

Instrument :

MSVOA_W

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RA-081018-FL-009

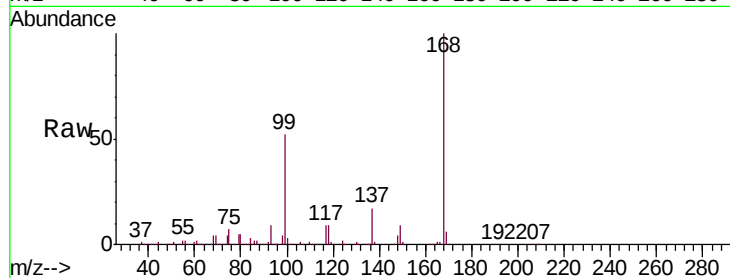
Tgt Ion:117 Resp: 53974

Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

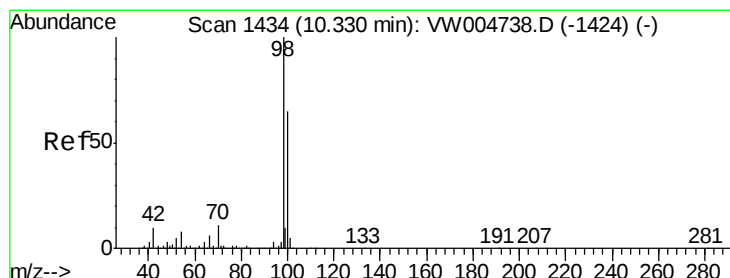
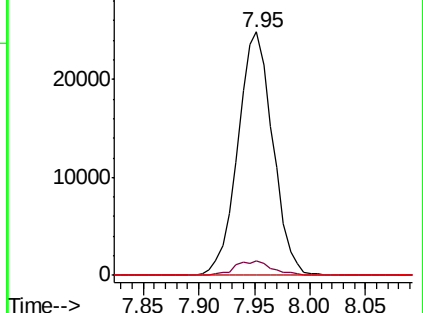
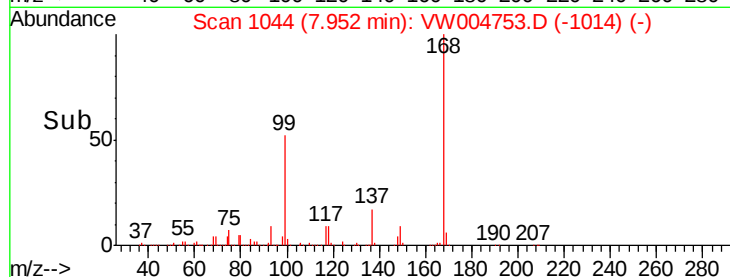
121 0.0 24.8 37.2#



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: 45.161 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004753.D

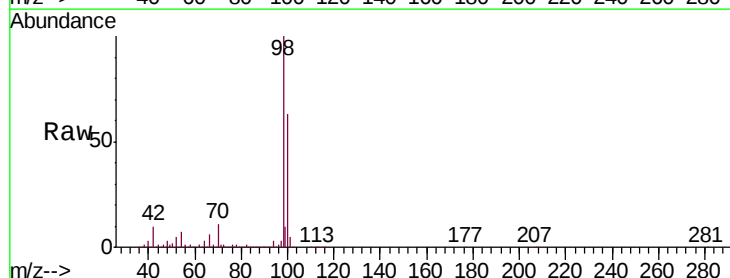
Acq: 18 Aug 2018 00:30

Tgt Ion: 98 Resp: 1090337

Ion Ratio Lower Upper

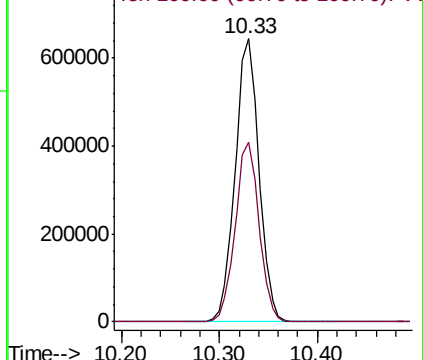
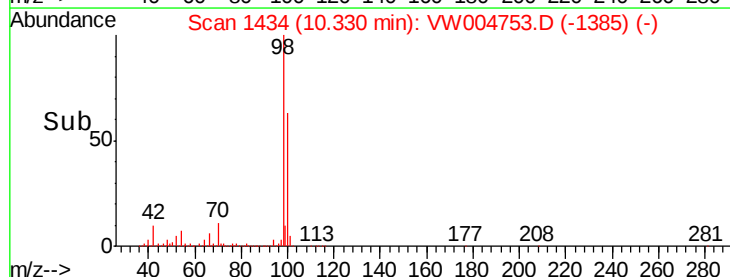
98 100

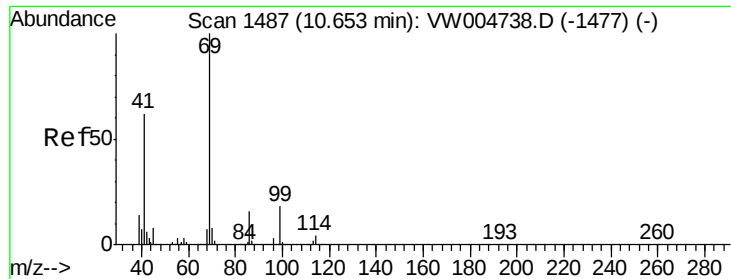
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

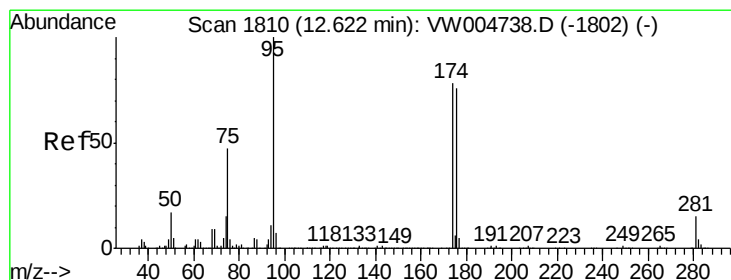
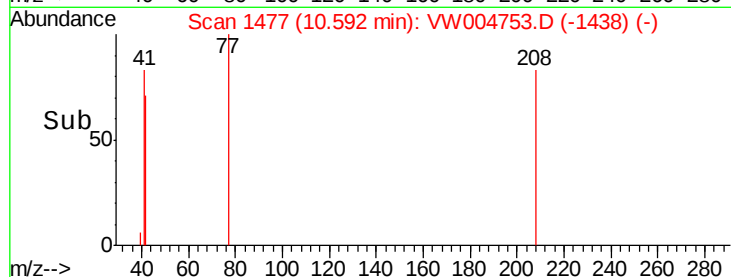
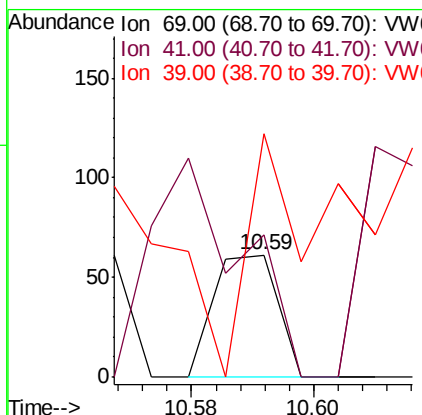
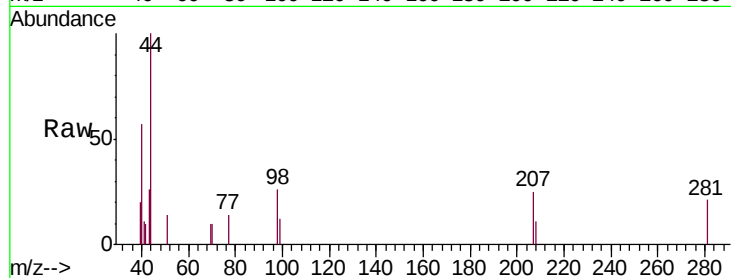




#56
Ethyl methacrylate
Concen: 2.987 ug/l
RT: 10.59 min Scan# 1477
Delta R.T. -0.06 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

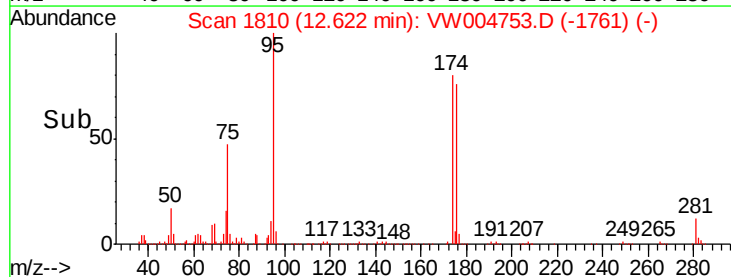
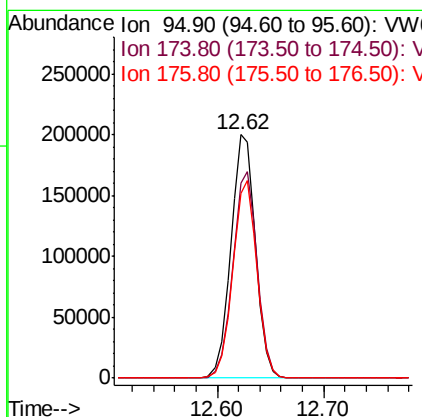
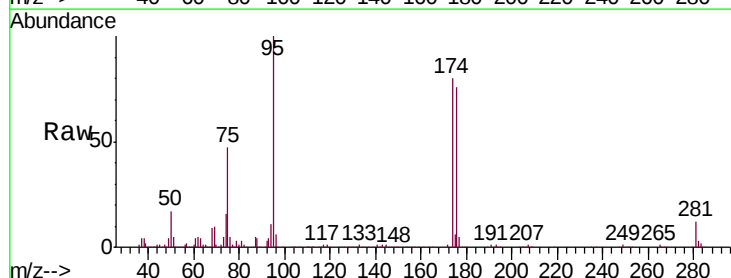
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

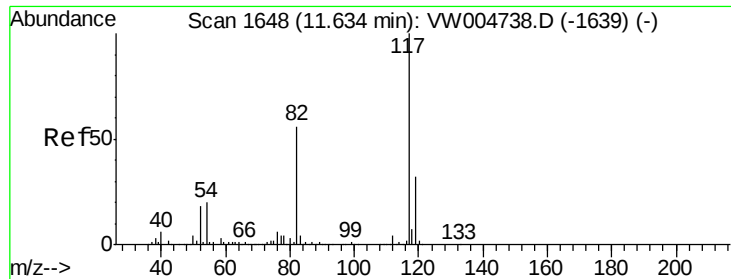
Tgt Ion: 69 Resp: 44
Ion Ratio Lower Upper
69 100
41 256.8 50.7 76.1#
39 620.5 21.4 32.2#



#62
4-Bromofluorobenzene
Concen: 37.197 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Tgt Ion: 95 Resp: 323092
Ion Ratio Lower Upper
95 100
174 84.2 0.0 165.8
176 79.9 0.0 159.8

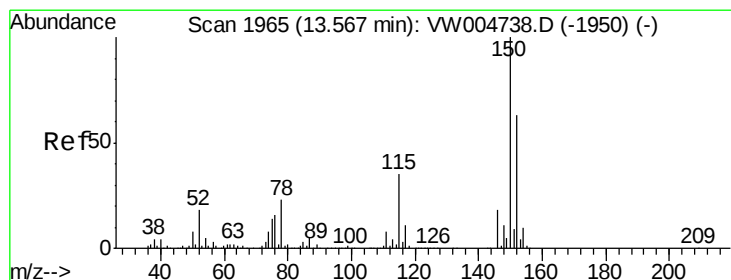
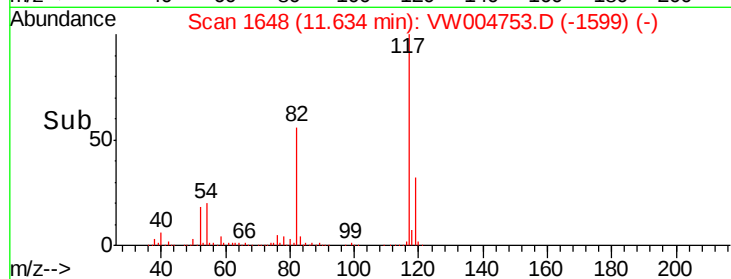
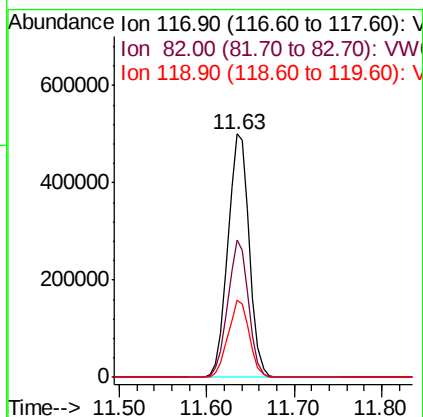
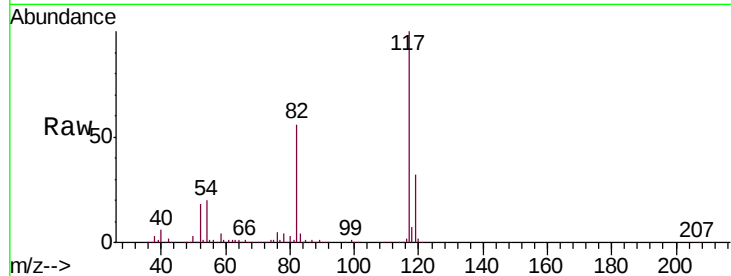




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

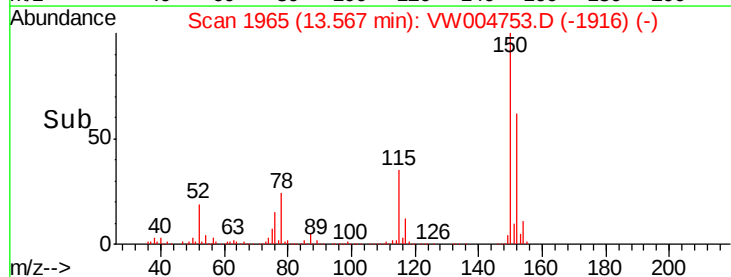
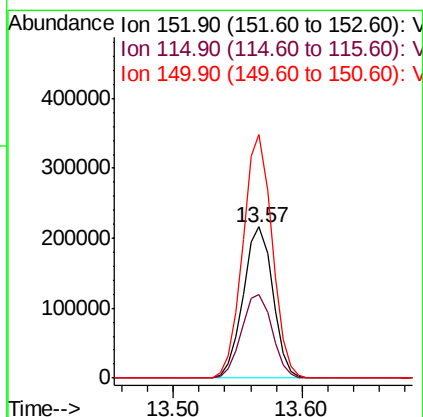
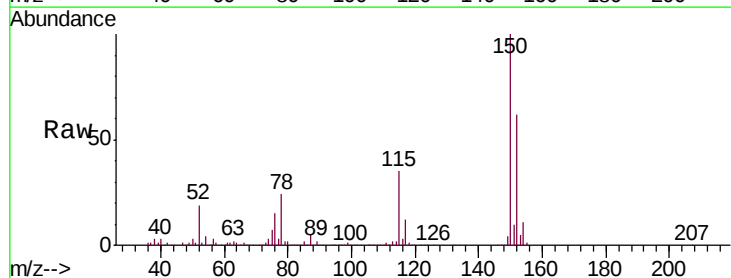
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

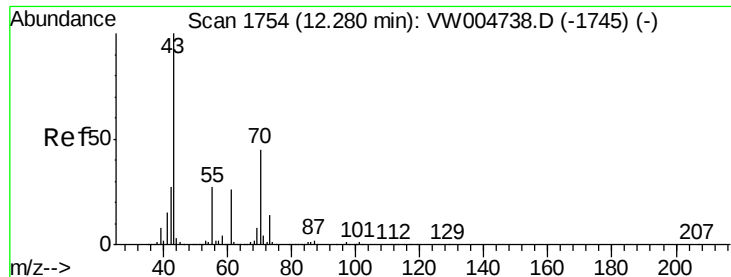
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	67.0
119	31.7	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.5	85.5
150	158.2	0.0	344.8

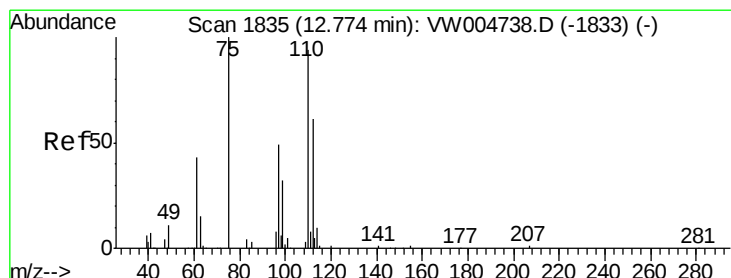
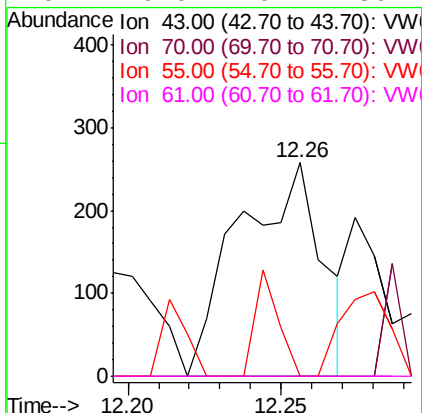
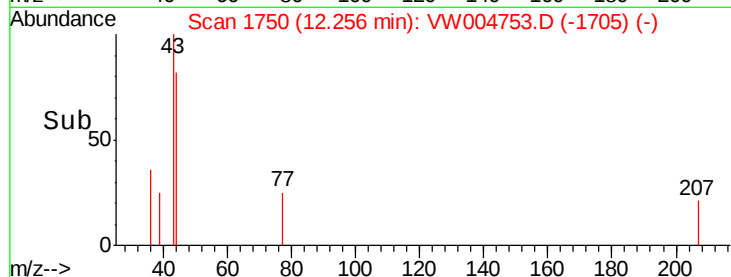
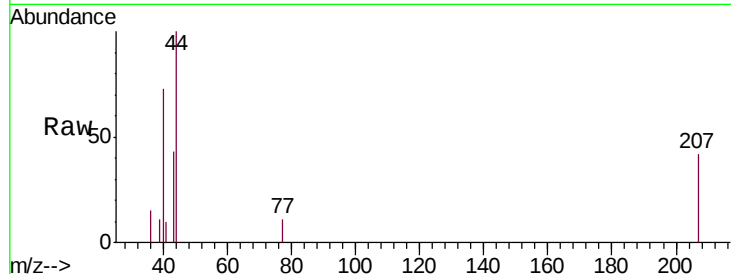




#74
N-ethyl acetate
Concen: 4.101 ug/l
RT: 12.26 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

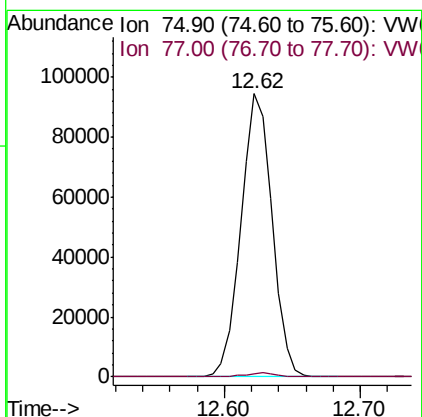
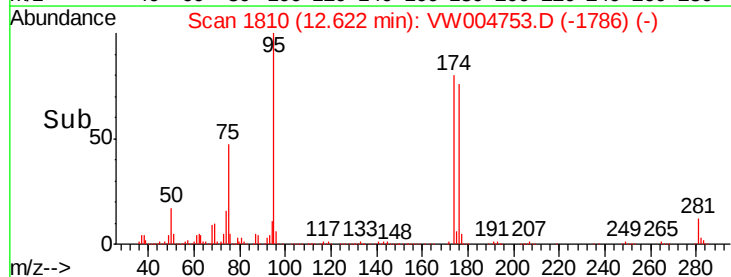
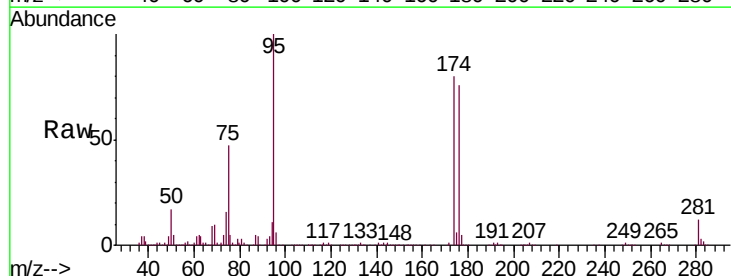
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

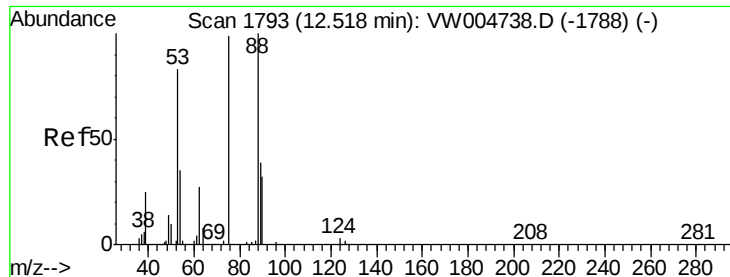
Tgt Ion: 43 Resp: 486
Ion Ratio Lower Upper
43 100
70 0.0 36.3 54.5#
55 14.0 22.6 33.8#
61 0.0 20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 49.791 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Tgt Ion: 75 Resp: 150913
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

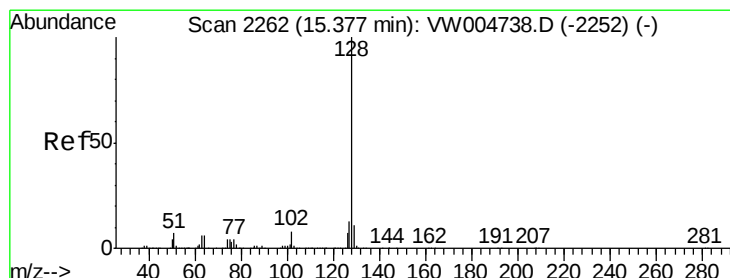
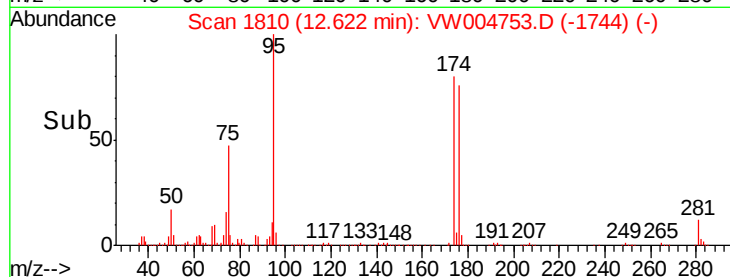
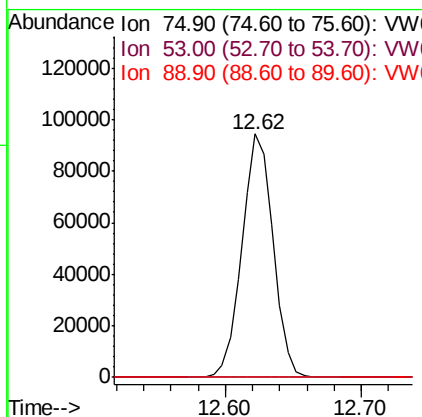
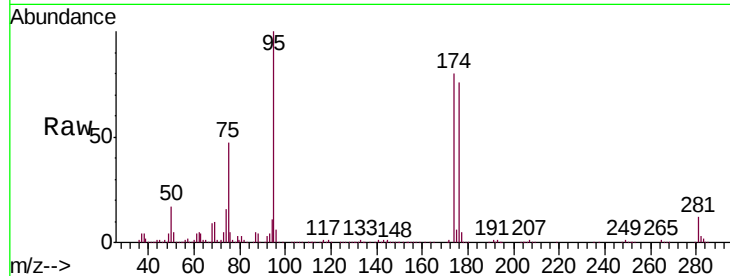




#81
trans-1,4-Dichloro-2-butene
Concen: 115.728 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-FL-009

Tgt Ion: 75 Resp: 150913
Ion Ratio Lower Upper
75 100
53 0.3 72.2 108.4#
89 0.0 35.2 52.8#



#95
Naphthalene
Concen: 3.588 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VW004753.D
Acq: 18 Aug 2018 00:30

Tgt Ion: 128 Resp: 1223
Ion Ratio Lower Upper
128 100
127 8.7 10.4 15.6#
129 10.0 8.6 13.0

