

Data File : VW004752.D
Acq On : 18 Aug 2018 00:04
Operator : SY/AP
Sample : J4460-03RE
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-SW-003RE

Quant Time: Aug 18 02:41:32 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	465914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	672336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	101215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	272898	60.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.16%	
35) Dibromofluoromethane	7.88	113	261841	60.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.86%	
50) Toluene-d8	10.33	98	681095	40.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.20%	
62) 4-Bromofluorobenzene	12.62	95	115768	19.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.36%	

Target Compounds

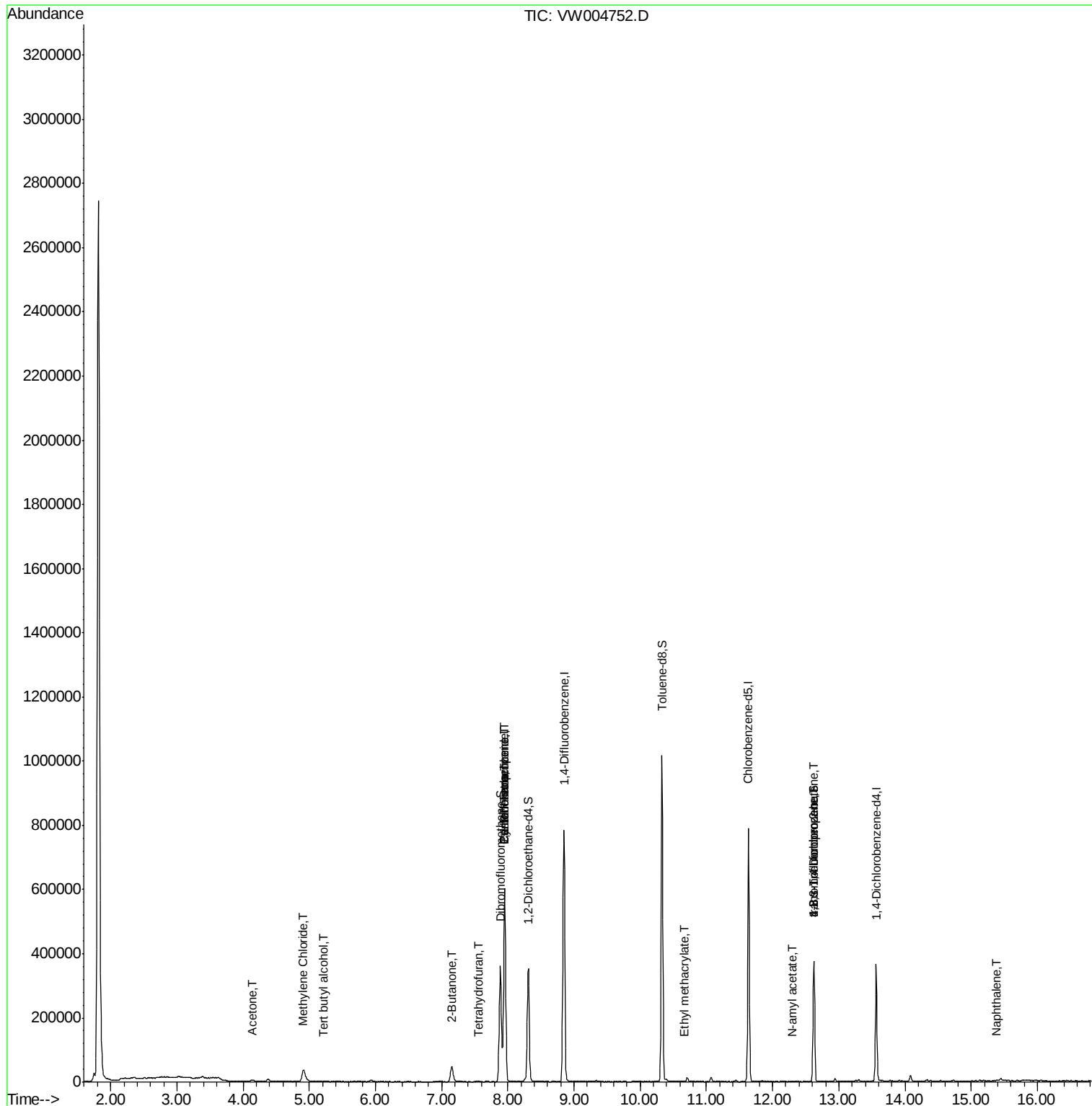
						Qvalue
11) Tert butyl alcohol	5.21	59	1282	5.094	ug/l #	72
16) Acetone	4.14	43	8730	7.592	ug/l	99
20) Methylene Chloride	4.91	84	33843	2.332	ug/l	92
25) 2-Butanone	7.15	43	2390	1.459	ug/l #	61
29) Tetrahydrofuran	7.56	42	845	1.011	ug/l #	66
31) Cyclohexane	7.95	56	9715	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	34898	5.039	ug/l #	48
38) Carbon Tetrachloride	7.95	117	43945	6.893	ug/l #	16
56) Ethyl methacrylate	10.66	69	43	2.989	ug/l #	1
74) N-amyl acetate	12.29	43	114	4.084	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	55135	61.794	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55135	143.627	ug/l #	14
95) Naphthalene	15.38	128	1388	3.817	ug/l	97

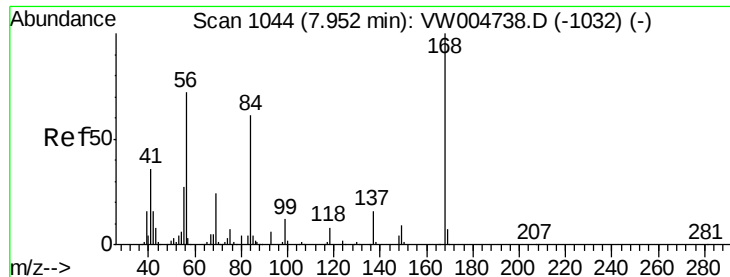
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004752.D

Acq: 18 Aug 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

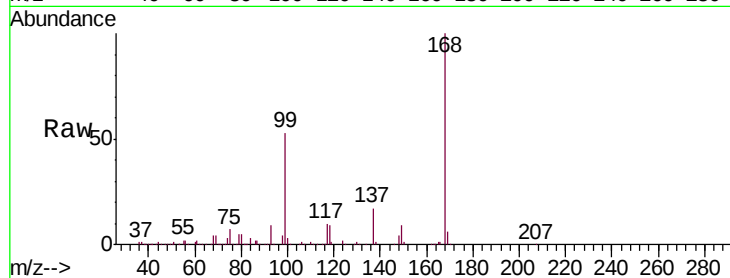
RA-081018-SW-003RE

Tgt Ion: 168 Resp: 465914

Ion Ratio Lower Upper

168 100

99 53.1 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

200000

150000

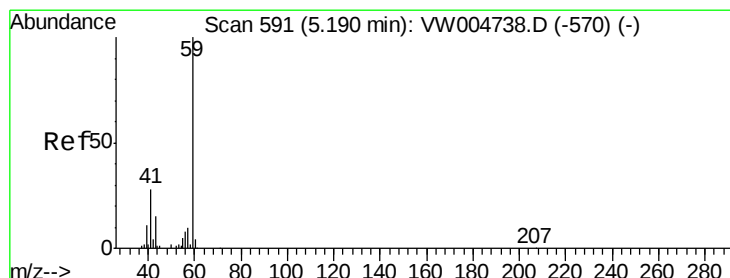
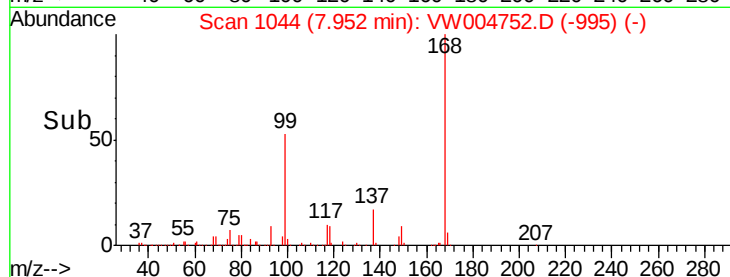
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 5.094 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW004752.D

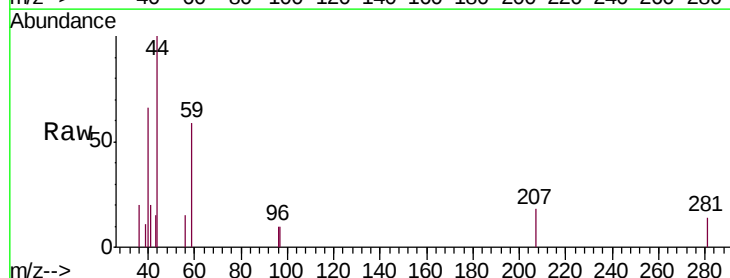
Acq: 18 Aug 2018 00:04

Tgt Ion: 59 Resp: 1282

Ion Ratio Lower Upper

59 100

57 0.0 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

400

300

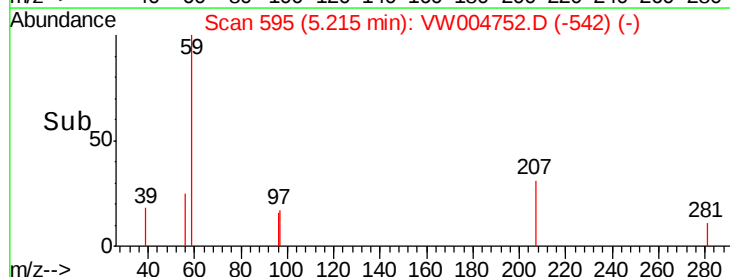
200

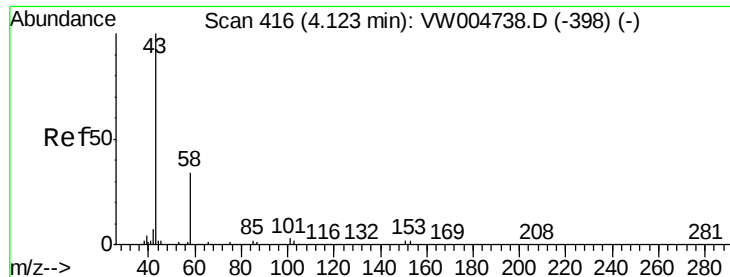
100

0

5.10 5.15 5.20 5.25 5.30

Time-->

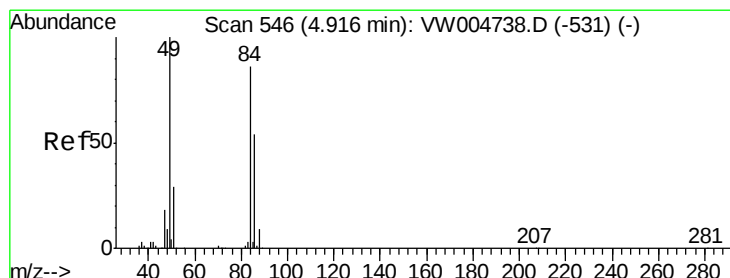
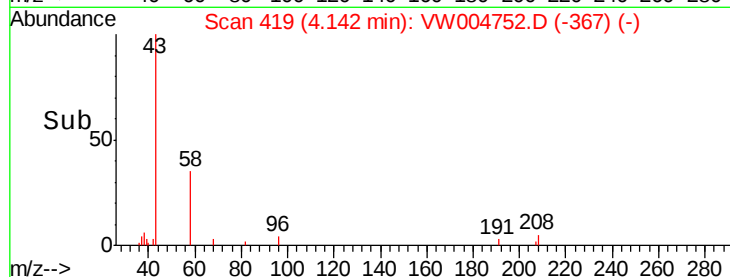
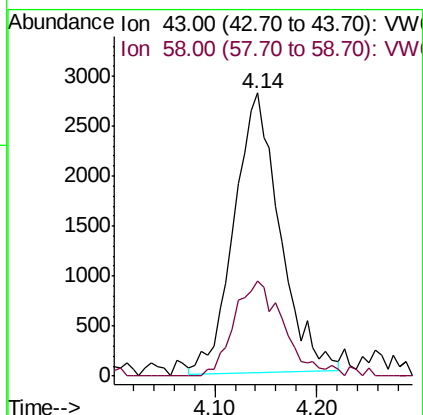
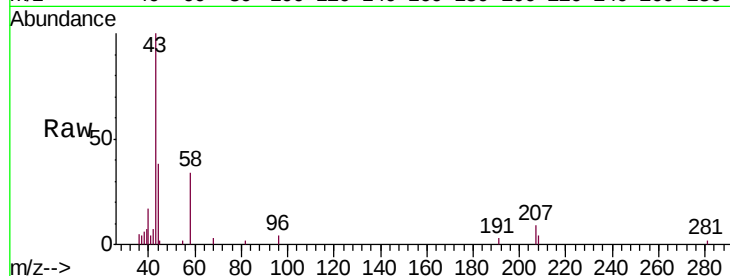




#16
Acetone
Concen: 7.592 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.02 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

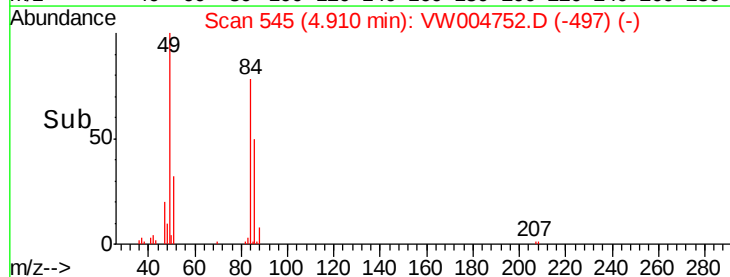
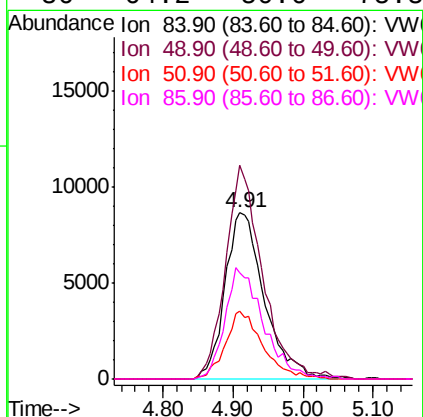
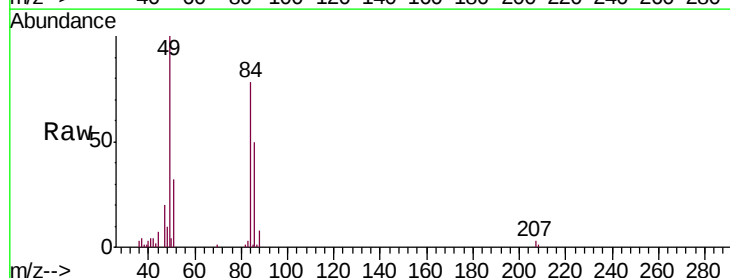
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-SW-003RE

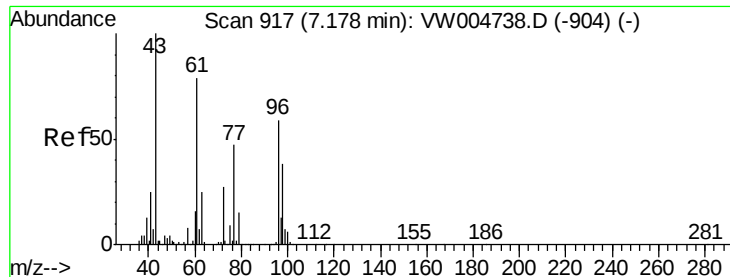
Tgt Ion: 43 Resp: 8730
Ion Ratio Lower Upper
43 100
58 34.5 27.3 40.9



#20
Methylene Chloride
Concen: 2.332 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

Tgt Ion: 84 Resp: 33843
Ion Ratio Lower Upper
84 100
49 128.4 93.2 139.8
51 40.5 27.4 41.0
86 64.2 50.6 75.8

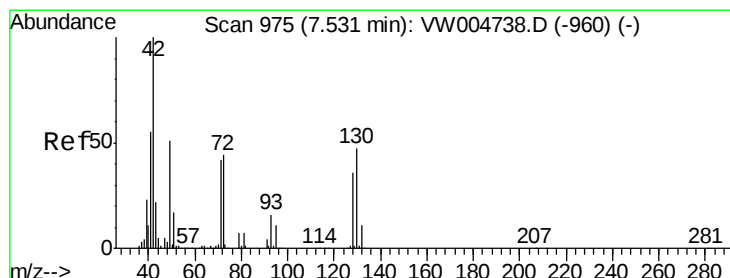
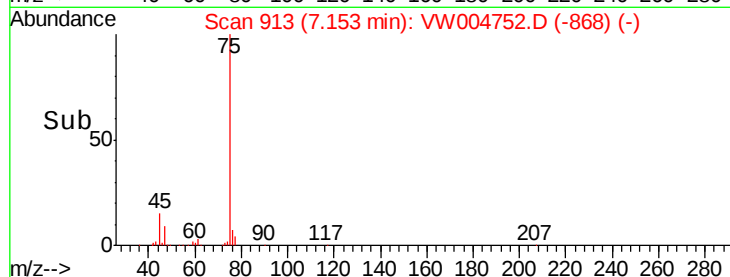
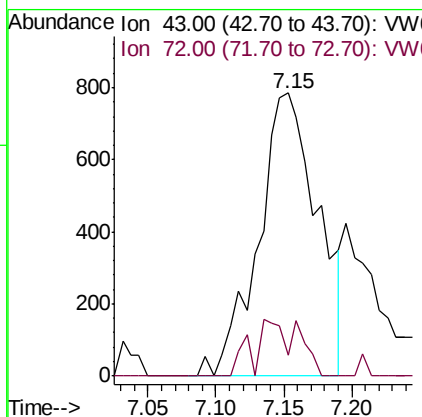
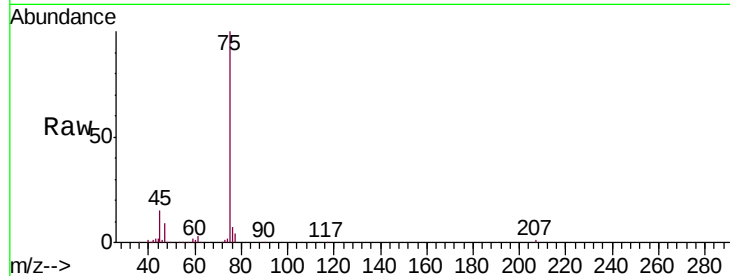




#25
 2-Butanone
 Concen: 1.459 ug/l
 RT: 7.15 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VW004752.D
 Acq: 18 Aug 2018 00:04

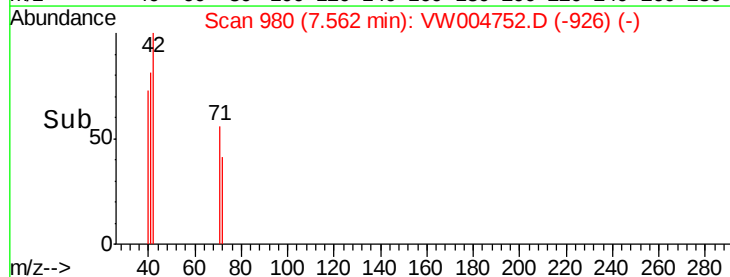
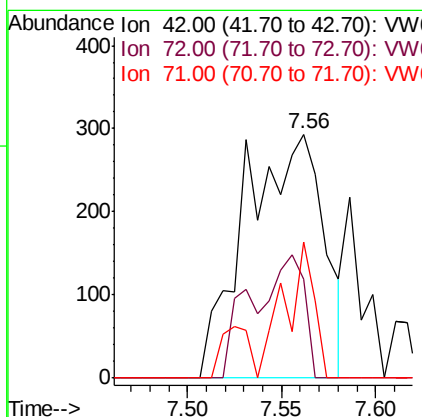
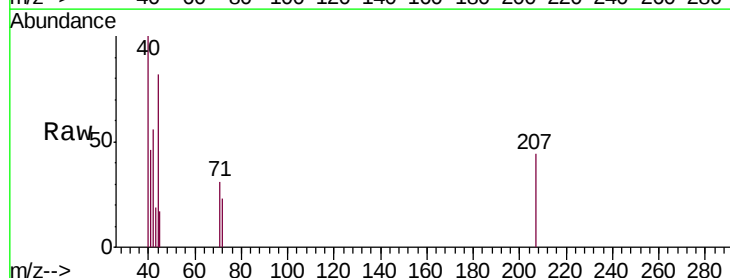
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-081018-SW-003RE

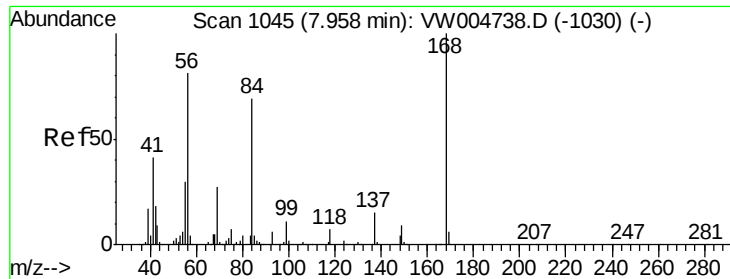
Tgt Ion: 43 Resp: 2390
 Ion Ratio Lower Upper
 43 100
 72 7.4 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 1.011 ug/l
 RT: 7.56 min Scan# 980
 Delta R.T. 0.03 min
 Lab File: VW004752.D
 Acq: 18 Aug 2018 00:04

Tgt Ion: 42 Resp: 845
 Ion Ratio Lower Upper
 42 100
 72 21.2 34.9 52.3#
 71 20.9 33.8 50.6#

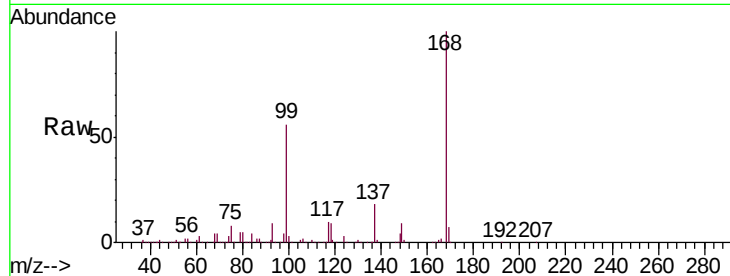




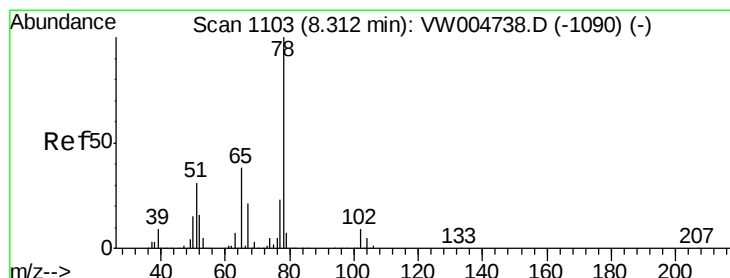
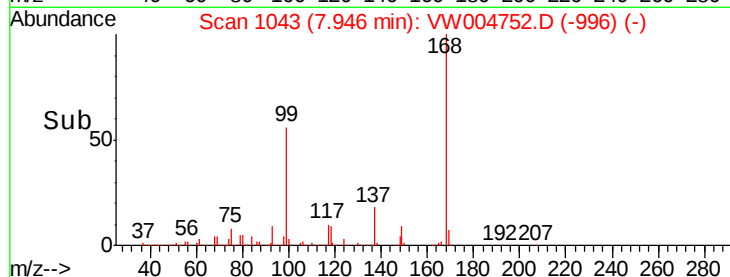
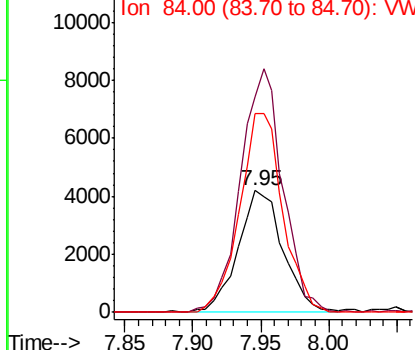
#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-SW-003RE

Tgt Ion: 56 Resp: 9715
Ion Ratio Lower Upper
56 100
69 176.8 27.1 40.7#
84 163.5 68.3 102.5#

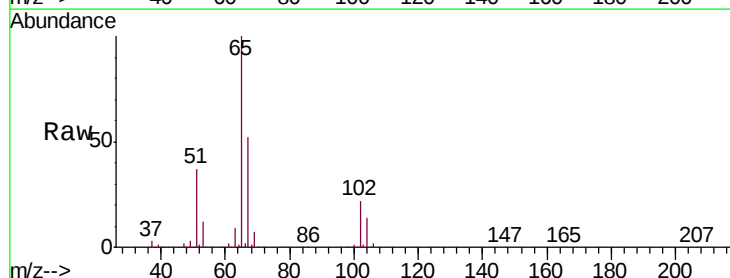


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

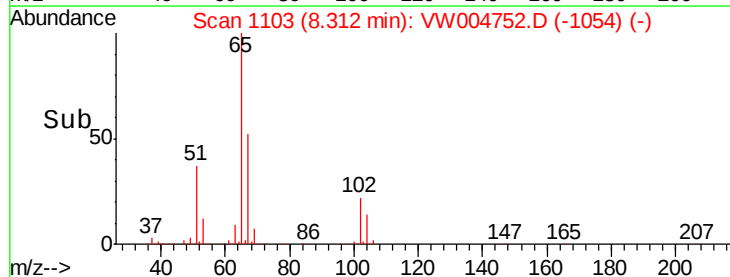
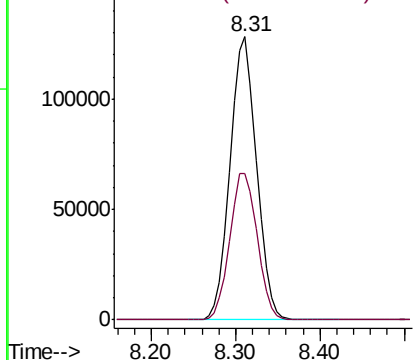


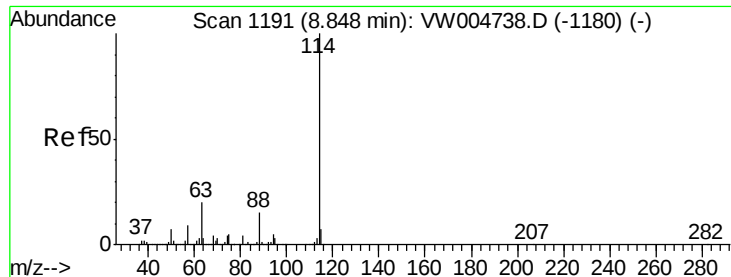
#33
1,2-Dichloroethane-d4
Concen: 60.584 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

Tgt Ion: 65 Resp: 272898
Ion Ratio Lower Upper
65 100
67 53.8 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: VW004752.D

Acq: 18 Aug 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

RA-081018-SW-003RE

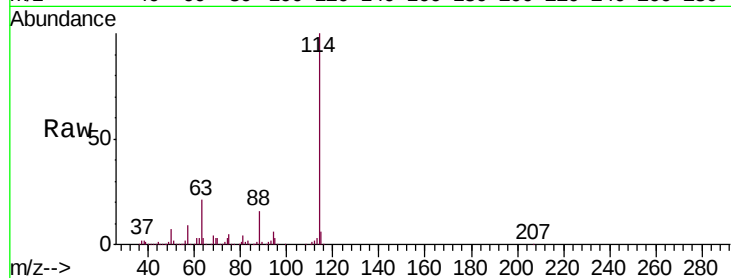
Tgt Ion:114 Resp: 672336

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 15.8 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

400000

300000

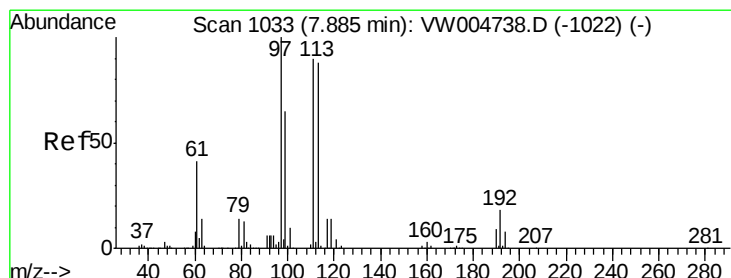
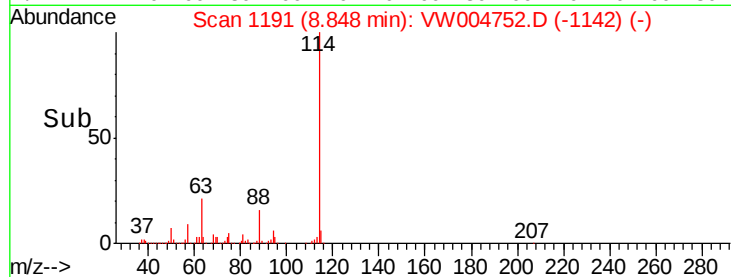
200000

100000

0

8.80 8.90

Time-->



#35

Dibromofluoromethane

Concen: 60.934 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW004752.D

Acq: 18 Aug 2018 00:04

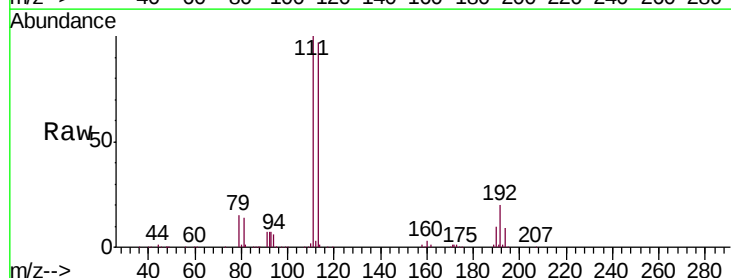
Tgt Ion:113 Resp: 261841

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 21.1 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

150000

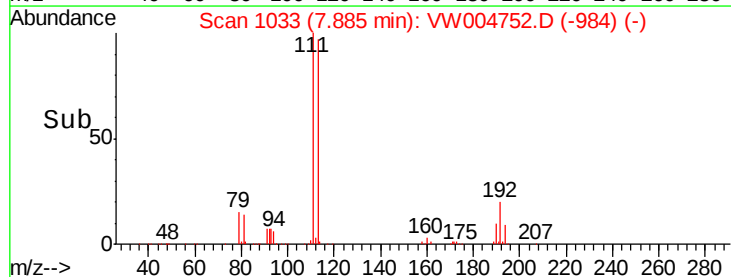
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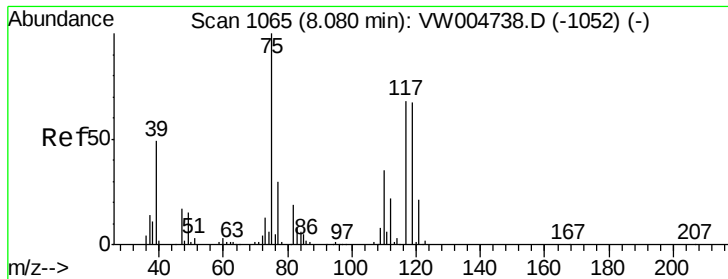
50000

0

7.80 7.90 8.00

Time-->

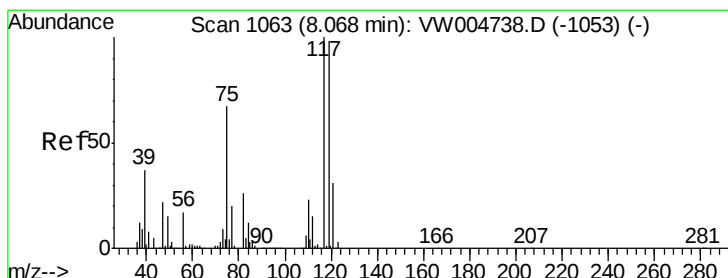
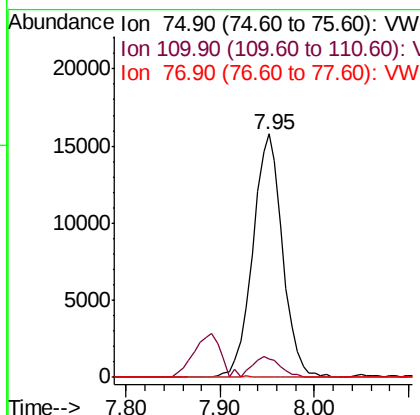
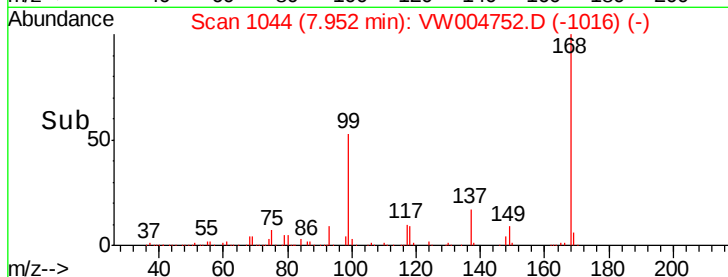
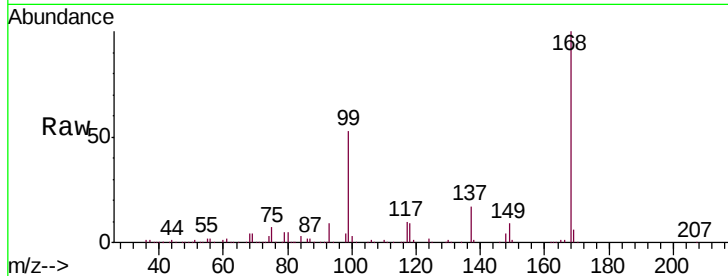




#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004752.D
 Acq: 18 Aug 2018 00:04

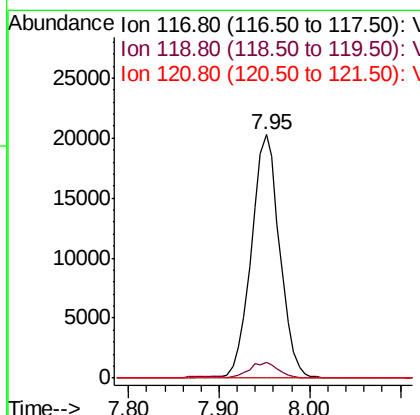
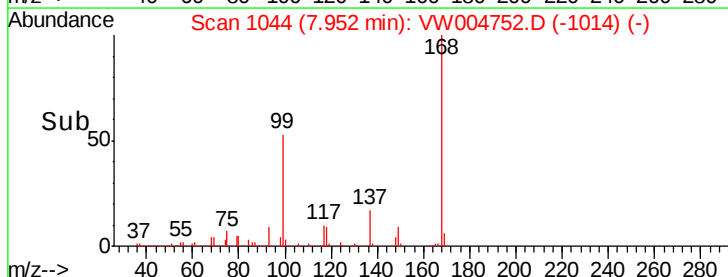
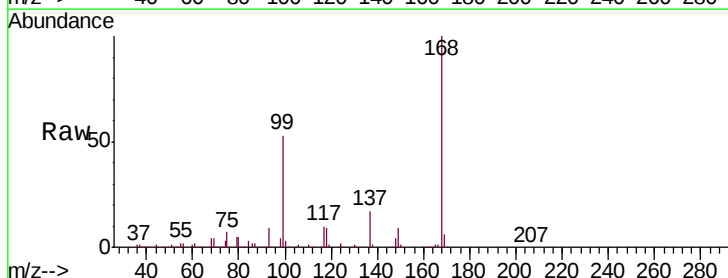
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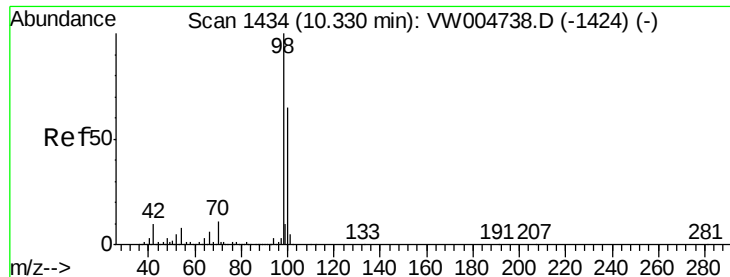
Tgt Ion: 75 Resp: 34898
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.8 53.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.893 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004752.D
 Acq: 18 Aug 2018 00:04

Tgt Ion: 117 Resp: 43945
 Ion Ratio Lower Upper
 117 100
 119 6.7 78.0 117.0#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 40.604 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004752.D

Acq: 18 Aug 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

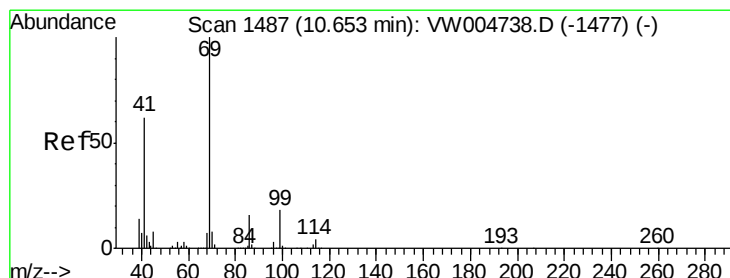
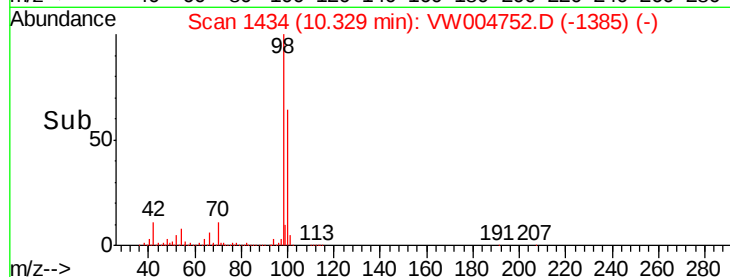
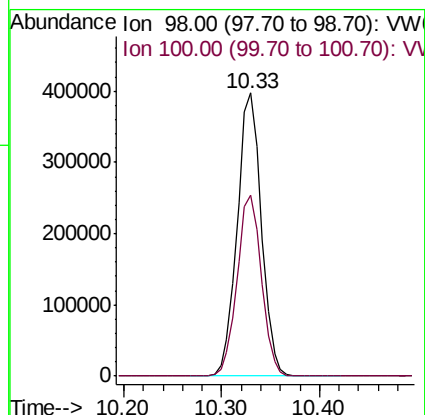
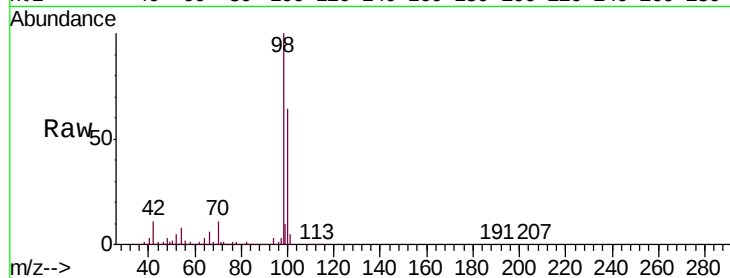
RA-081018-SW-003RE

Tgt Ion: 98 Resp: 681095

Ion Ratio Lower Upper

98 100

100 64.4 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.989 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004752.D

Acq: 18 Aug 2018 00:04

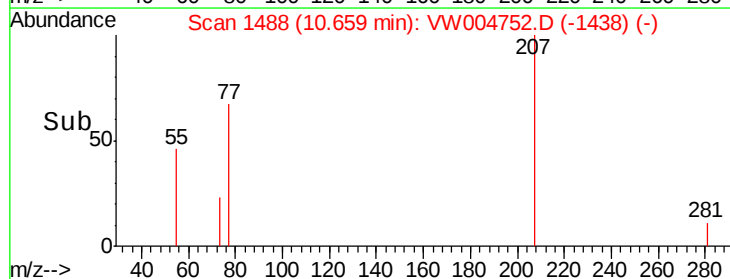
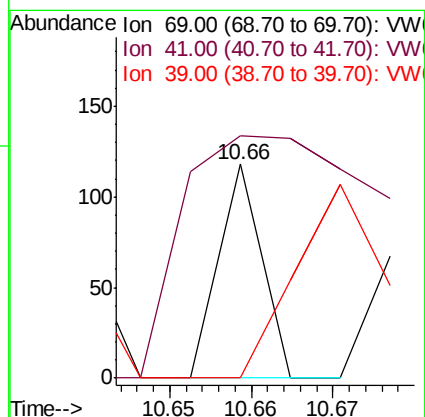
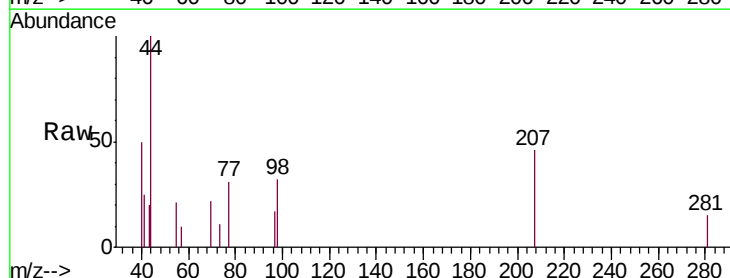
Tgt Ion: 69 Resp: 43

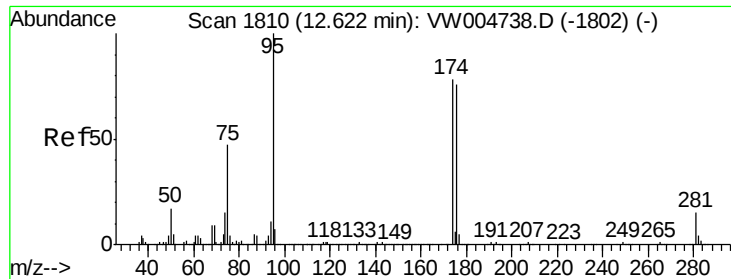
Ion Ratio Lower Upper

69 100

41 611.6 50.7 76.1#

39 0.0 21.4 32.2#

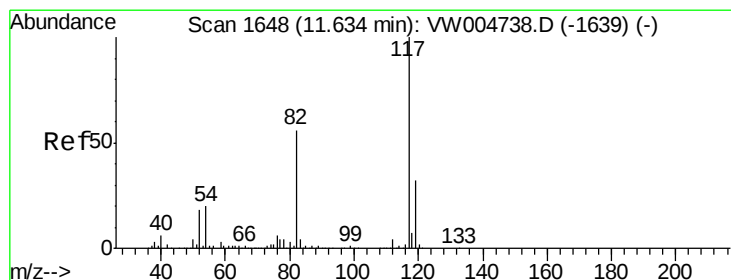
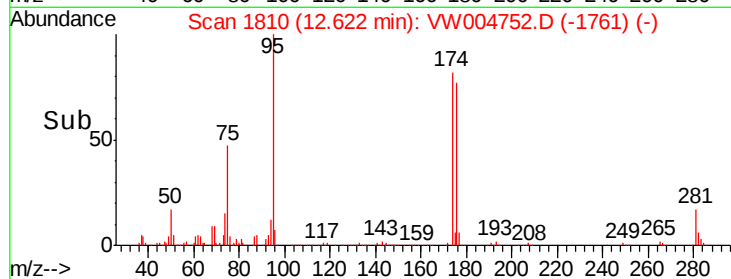
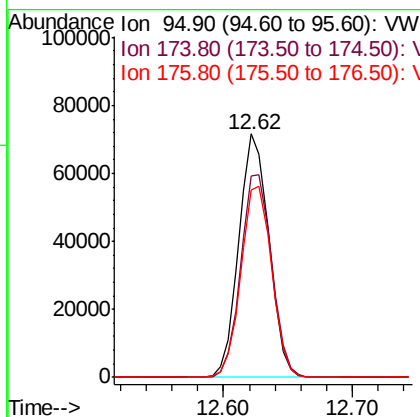
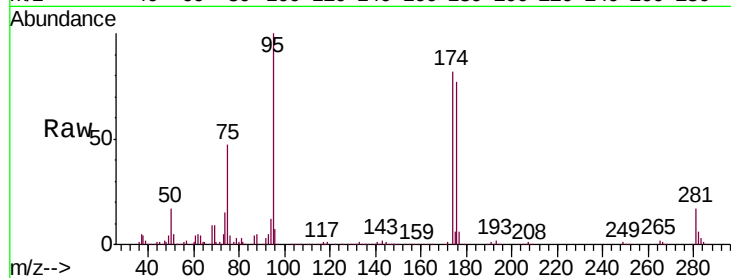




#62
4-Bromofluorobenzene
Concen: 19.184 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

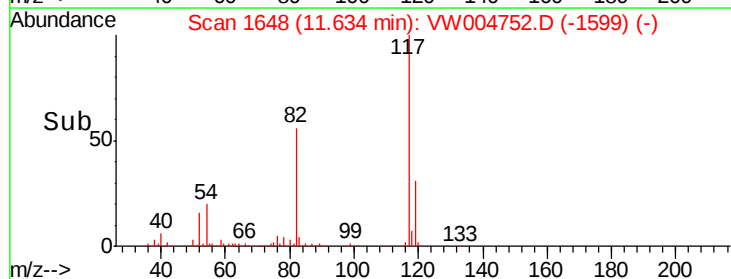
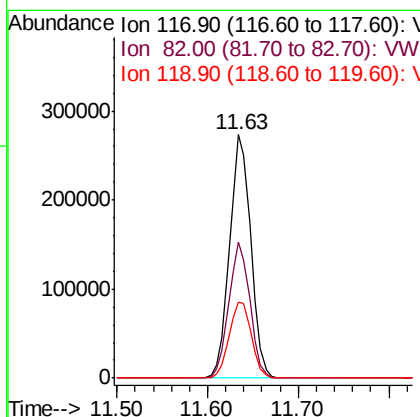
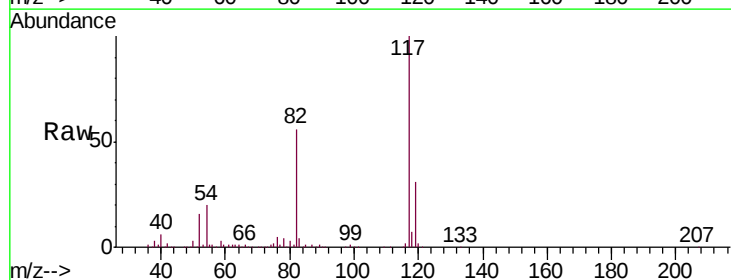
Instrument :
MSVOA_W
ClientSampleId :
RA-081018-SW-003RE

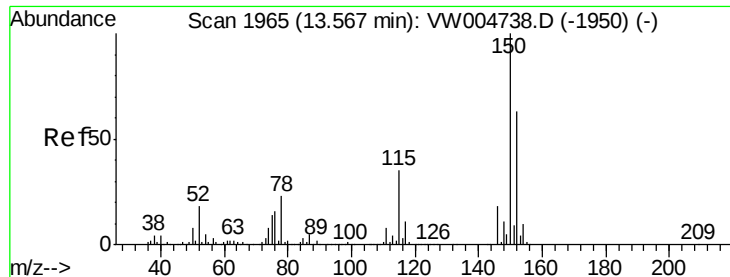
Tgt Ion: 95 Resp: 115768
Ion Ratio Lower Upper
95 100
174 85.4 0.0 165.8
176 80.2 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

Tgt Ion: 117 Resp: 442428
Ion Ratio Lower Upper
117 100
82 55.7 44.6 67.0
119 31.3 25.6 38.4



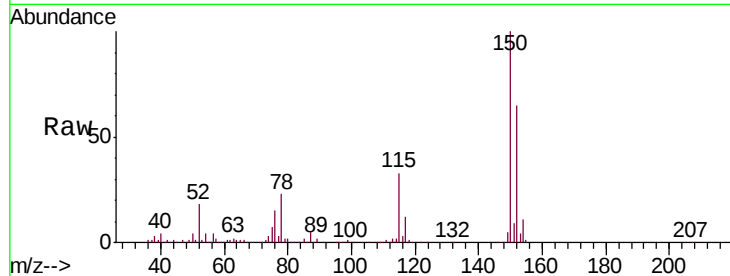


#72

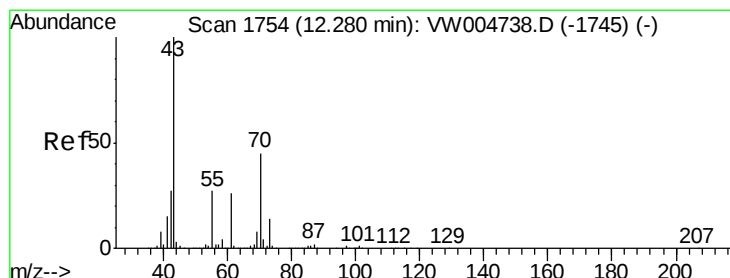
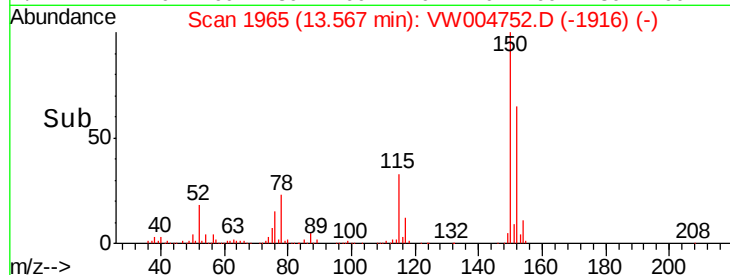
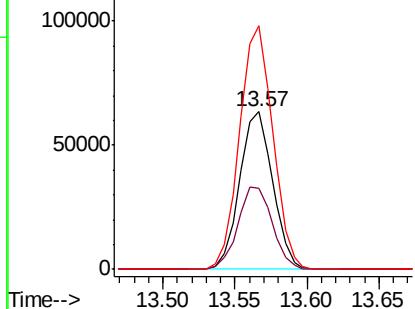
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-SW-003RE

Tgt Ion:152 Resp: 101215
Ion Ratio Lower Upper
152 100
115 54.5 28.5 85.5
150 155.6 0.0 344.8



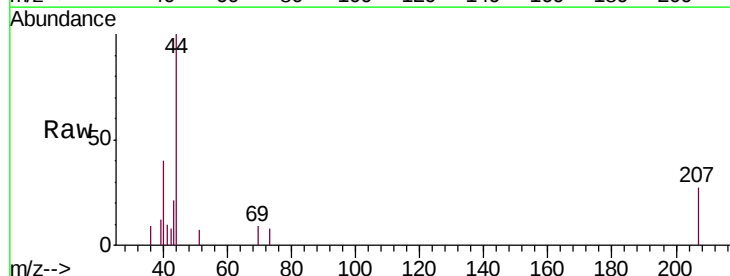
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



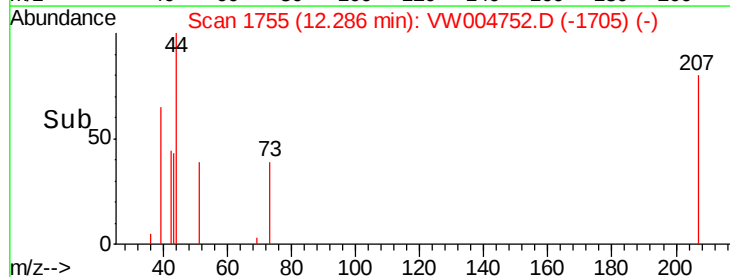
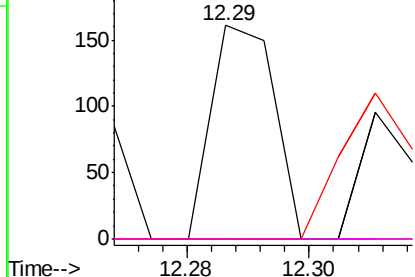
#74

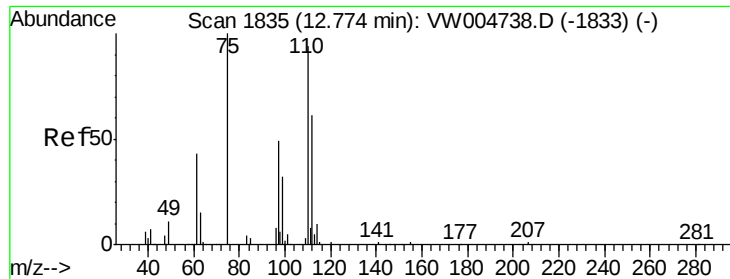
N-ethyl acetate
Concen: 4.084 ug/l
RT: 12.29 min Scan# 1755
Delta R.T. 0.01 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

Tgt Ion: 43 Resp: 114
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

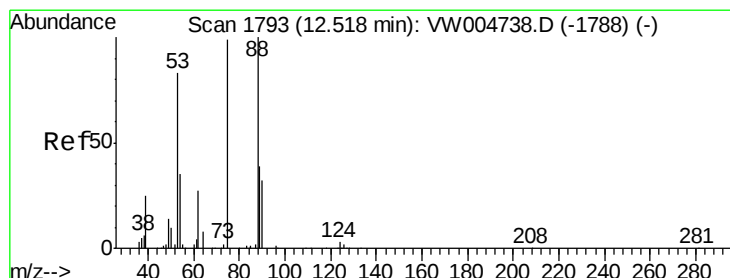
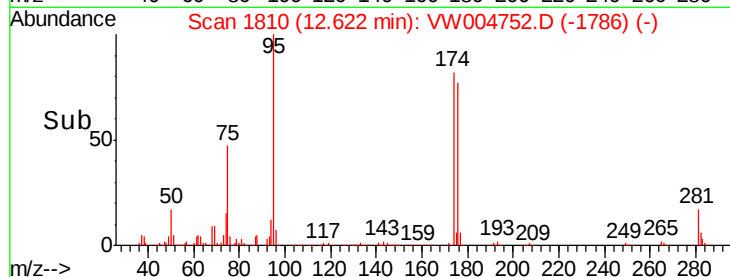
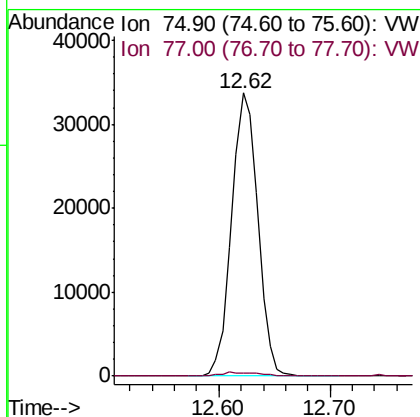
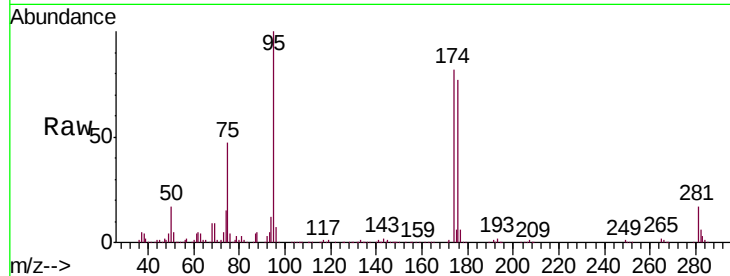




#76
 1,2,3-Trichloropropane
 Concen: 61.794 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004752.D
 Acq: 18 Aug 2018 00:04

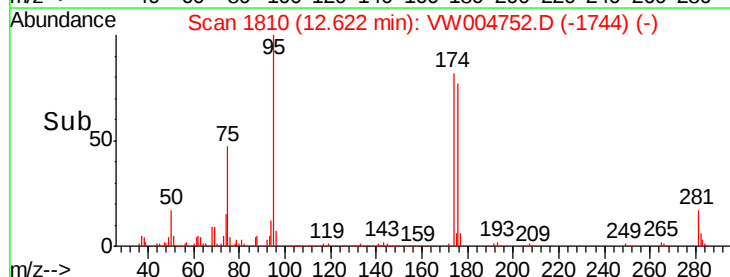
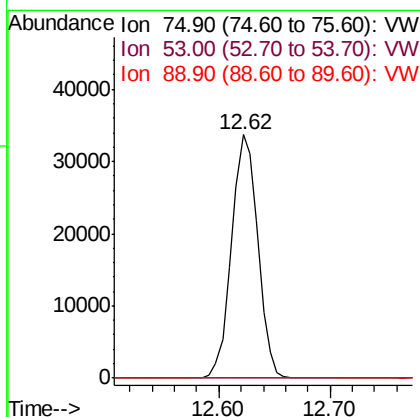
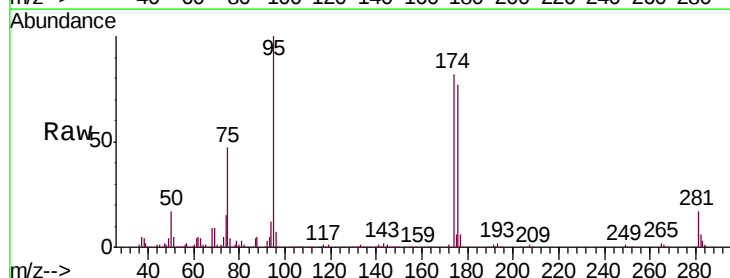
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-081018-SW-003RE

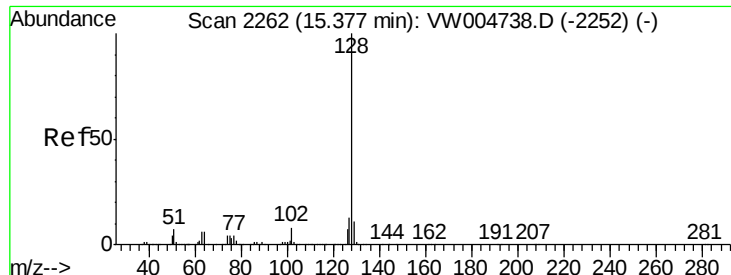
Tgt Ion: 75 Resp: 55135
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.627 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004752.D
 Acq: 18 Aug 2018 00:04

Tgt Ion: 75 Resp: 55135
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.2 108.4#
 89 0.1 35.2 52.8#





#95
Naphthalene
Concen: 3.817 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004752.D
Acq: 18 Aug 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
RA-081018-SW-003RE

Tgt Ion:	128	Resp:	1388
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	8.9	8.6	13.0

