

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003695.D
 Acq On : 03 Jul 2018 13:40
 Operator : SY/AP
 Sample : J3252-05
 Misc : 6.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-062918

Quant Time: Jul 03 23:48:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	126650	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	109378	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	7.88	113	92530	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	
50) Toluene-d8	10.33	98	300179	36.19	ug/l	0.00
Spiked Amount			Recovery	=	72.38%	
62) 4-Bromofluorobenzene	12.63	95	101913	34.20	ug/l	0.00
Spiked Amount			Recovery	=	68.40%	

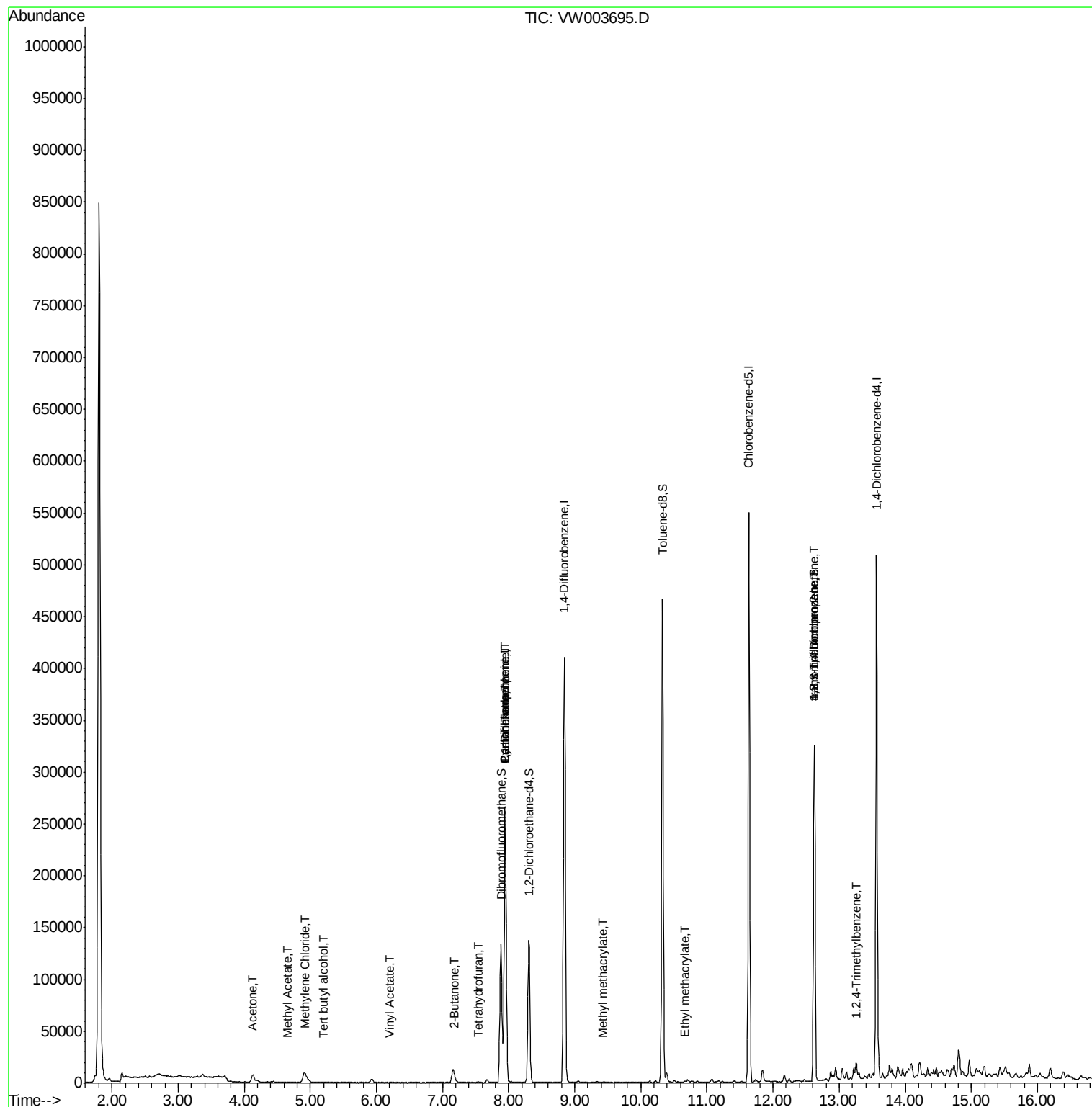
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	333	2.315	ug/l #	71
16) Acetone	4.14	43	13245	24.138	ug/l	100
18) Methyl Acetate	4.67	43	884	1.458	ug/l #	67
20) Methylene Chloride	4.92	84	9786	1.413	ug/l #	84
23) Vinyl Acetate	6.21	43	20	13.868	ug/l #	74
25) 2-Butanone	7.18	43	2493	3.548	ug/l	97
29) Tetrahydrofuran	7.53	42	667	1.584	ug/l #	51
31) Cyclohexane	7.95	56	5074	1.444	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16211	4.985	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19322	6.246	ug/l #	19
48) Methyl methacrylate	9.42	41	74	3.408	ug/l #	1
56) Ethyl methacrylate	10.66	69	173	3.650	ug/l #	5
76) 1,2,3-Trichloropropane	12.62	75	56216	49.366	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56216	104.603	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	7683	1.024	ug/l	97

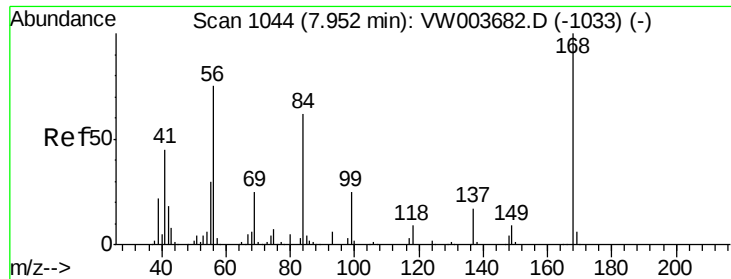
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003695.D

Acq: 03 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

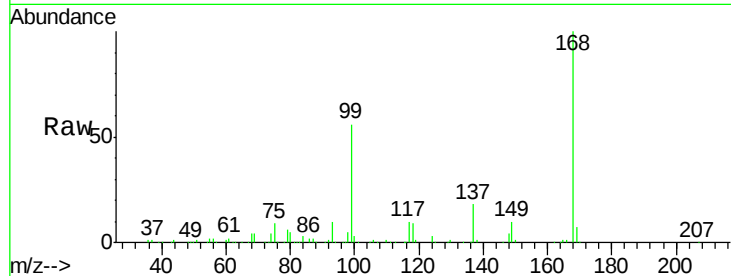
TR-04-062918

Tgt Ion: 168 Resp: 192816

Ion Ratio Lower Upper

168 100

99 56.5 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

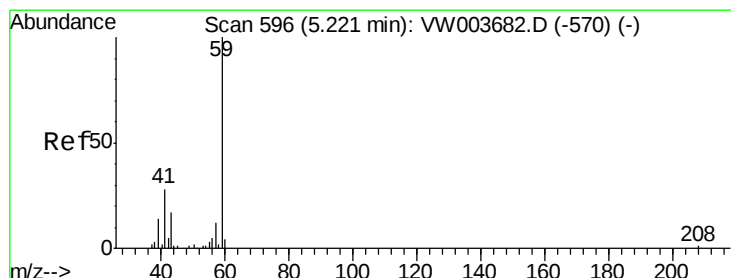
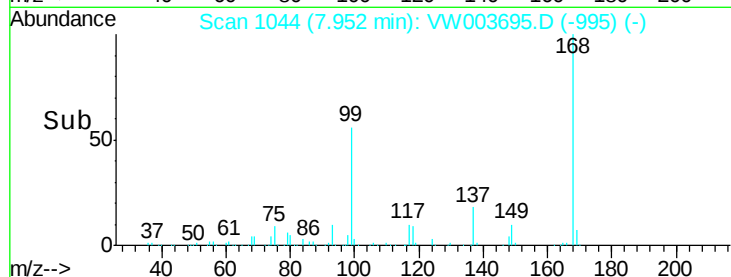
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 2.315 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW003695.D

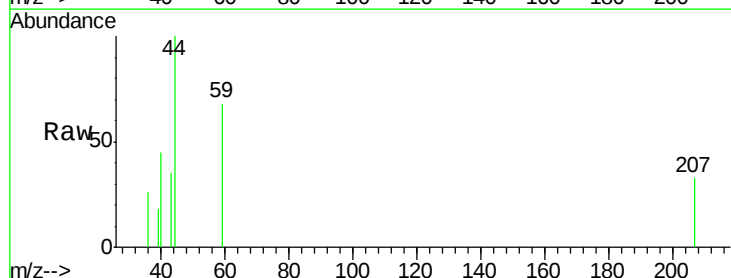
Acq: 03 Jul 2018 13:40

Tgt Ion: 59 Resp: 333

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

200

150

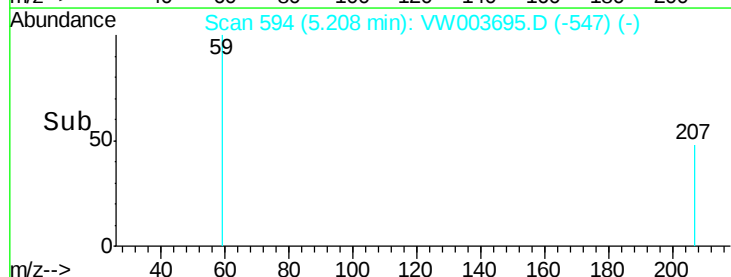
100

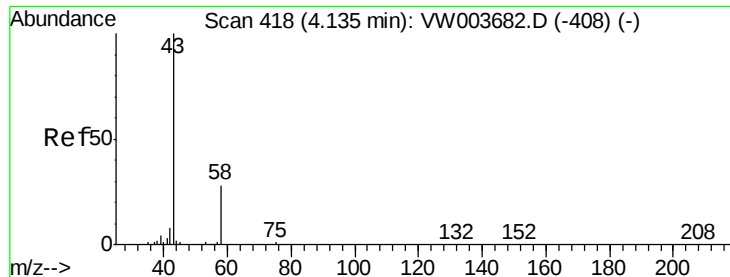
50

0

5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 24.138 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

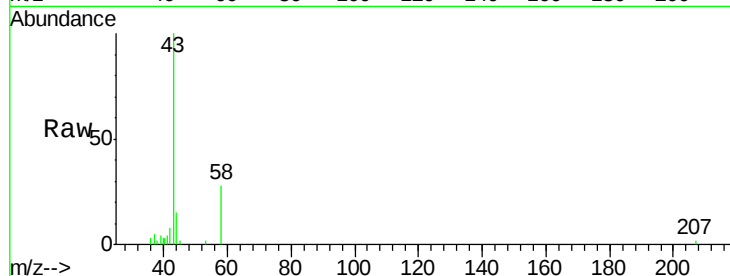
TR-04-062918

Tgt Ion: 43 Resp: 13245

Ion Ratio Lower Upper

43 100

58 28.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4000

3000

2000

1000

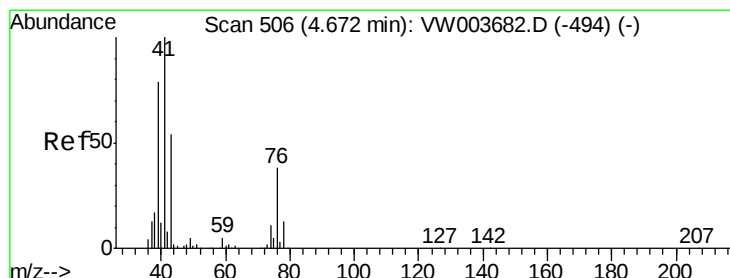
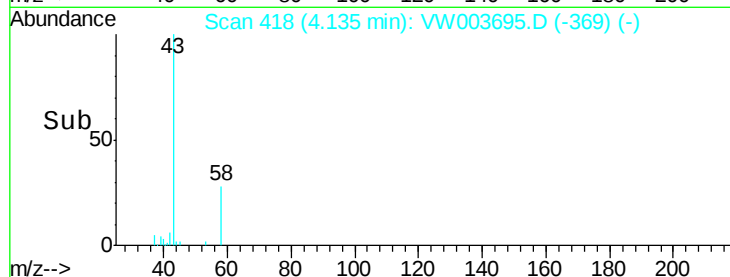
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Time-->

4.00

4.10

4.20



#18

Methyl Acetate

Concen: 1.458 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.01 min

Lab File: VW003695.D

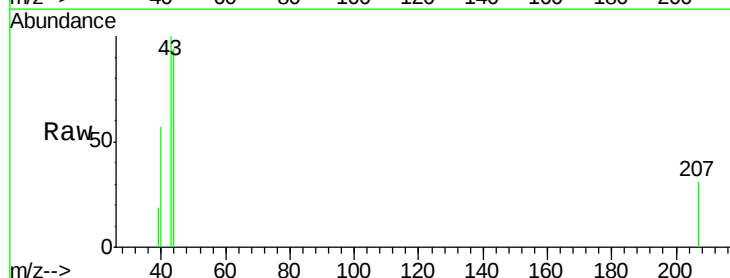
Acq: 03 Jul 2018 13:40

Tgt Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

74 6.8 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

300

200

100

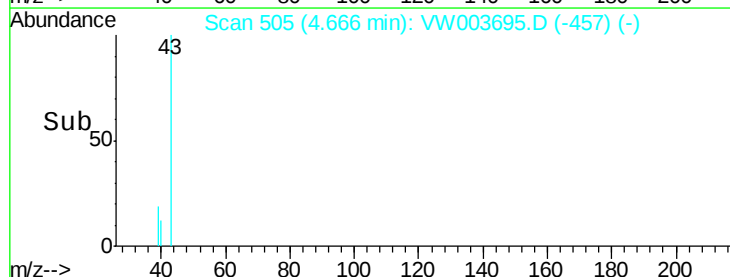
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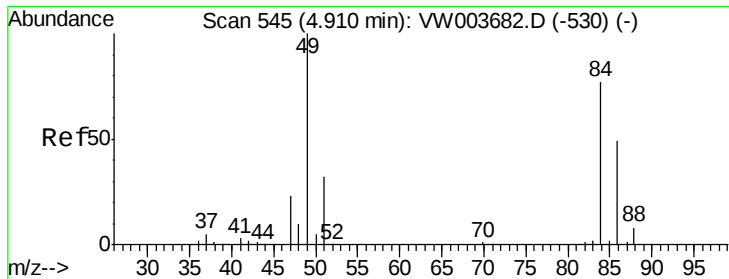
Time-->

4.60

4.65

4.70

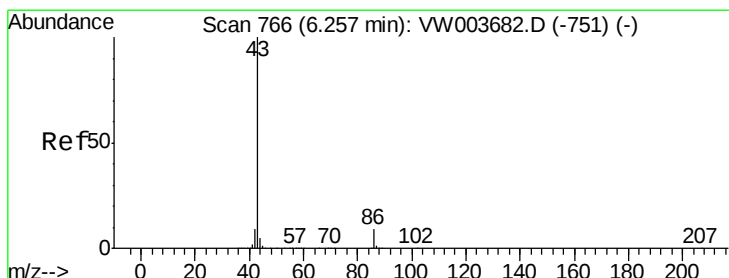
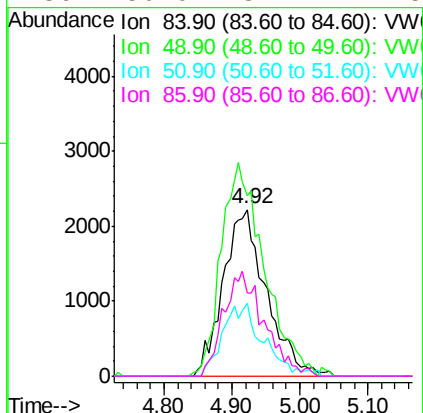
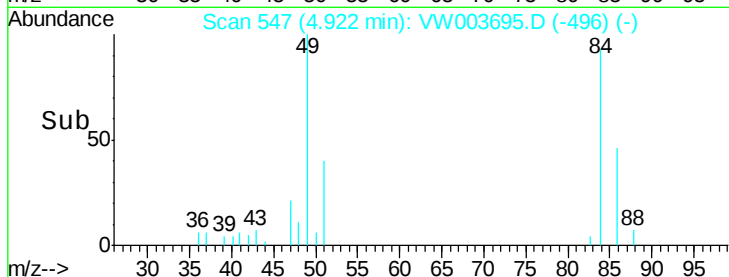
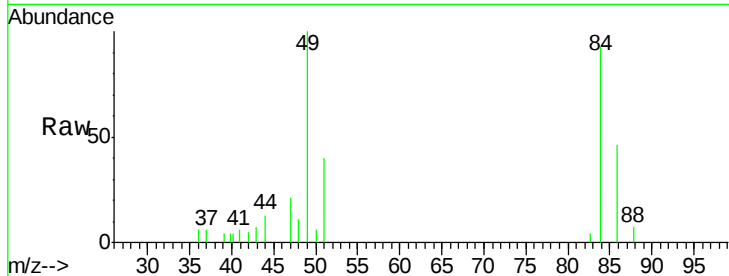




#20
Methylene Chloride
Concen: 1.413 ug/l
RT: 4.92 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

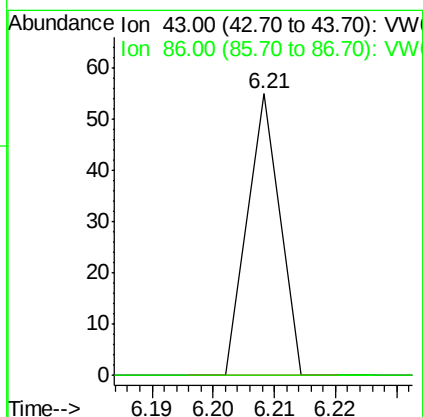
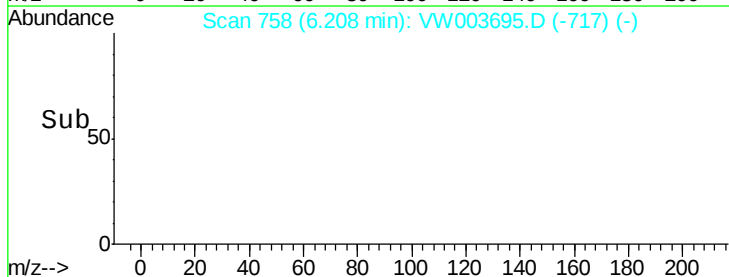
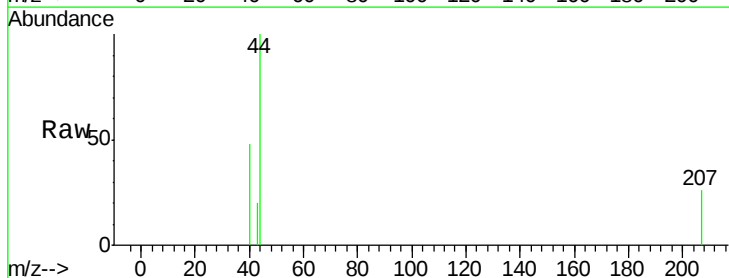
Instrument :
MSVOA_W
ClientSampleId :
TR-04-062918

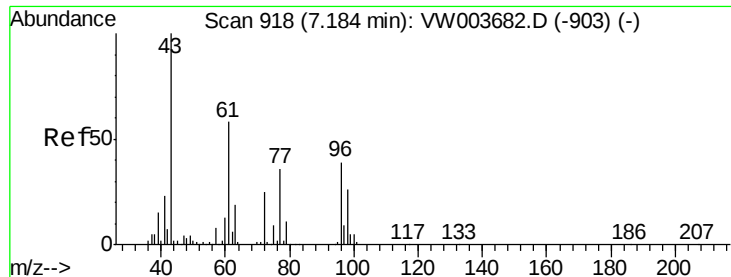
Tgt Ion: 84 Resp: 9786
Ion Ratio Lower Upper
84 100
49 108.1 104.6 156.8
51 43.7 33.2 49.8
86 50.0 51.7 77.5#



#23
Vinyl Acetate
Concen: 13.868 ug/l
RT: 6.21 min Scan# 758
Delta R.T. -0.05 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#25

2-Butanone

Concen: 3.548 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampled :

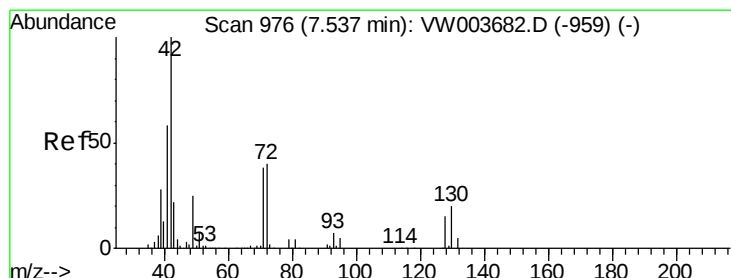
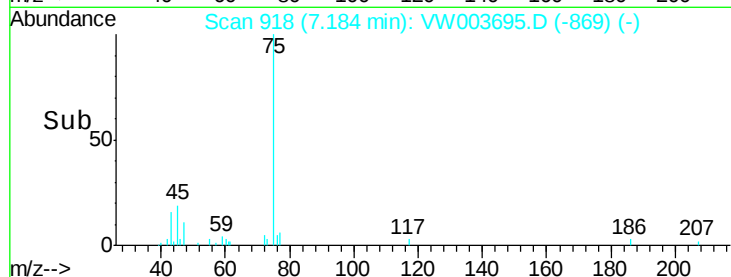
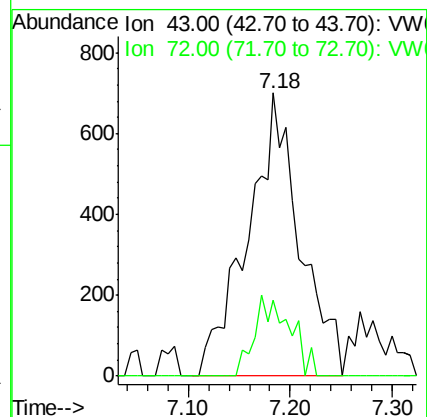
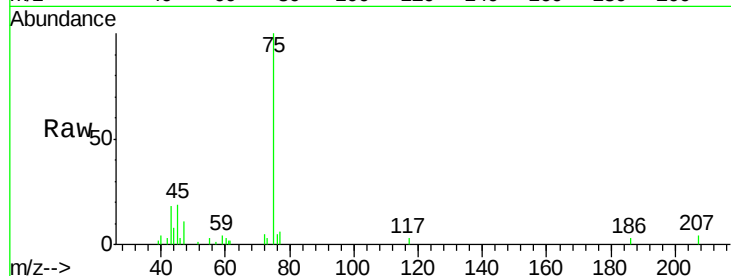
TR-04-062918

Tgt Ion: 43 Resp: 2493

Ion Ratio Lower Upper

43 100

72 26.7 20.2 30.4



#29

Tetrahydrofuran

Concen: 1.584 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

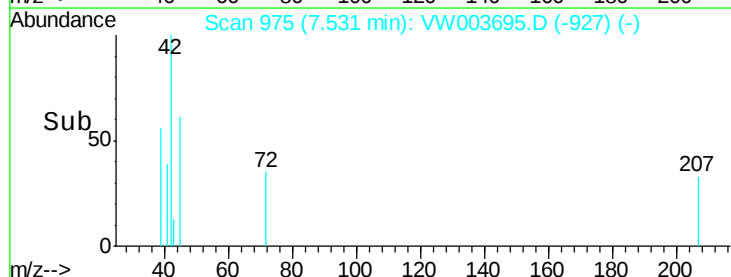
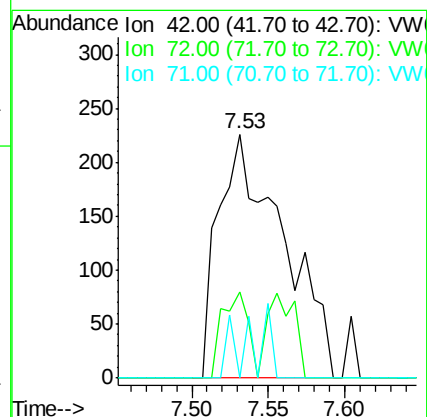
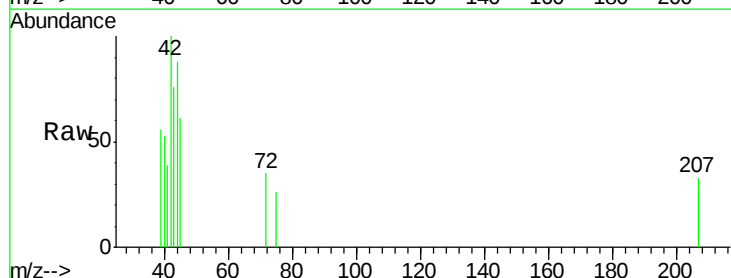
Tgt Ion: 42 Resp: 667

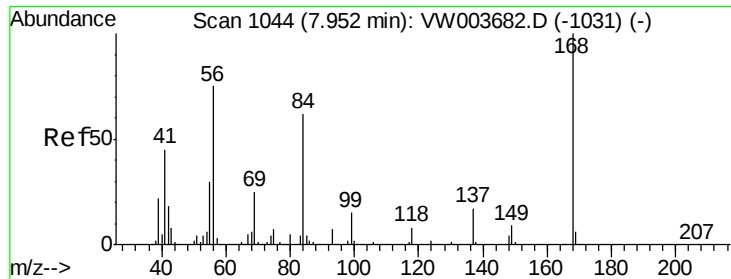
Ion Ratio Lower Upper

42 100

72 14.1 32.0 48.0#

71 3.1 30.2 45.2#

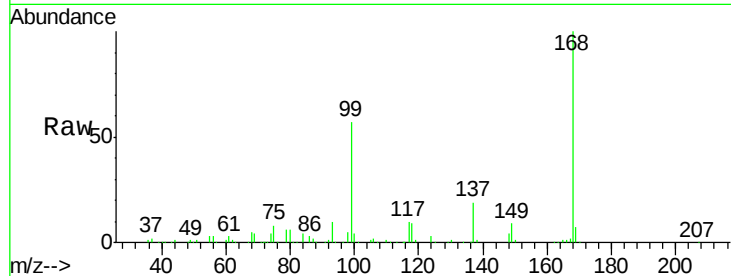




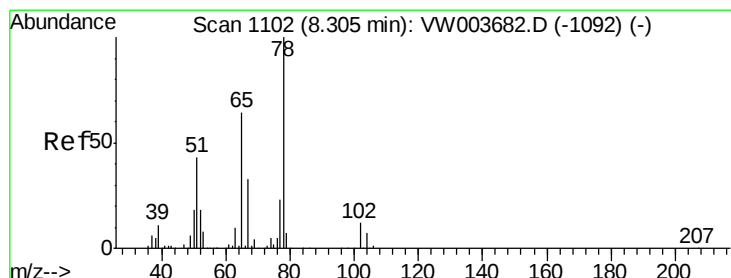
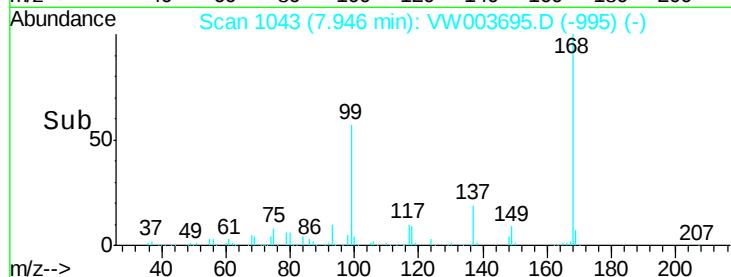
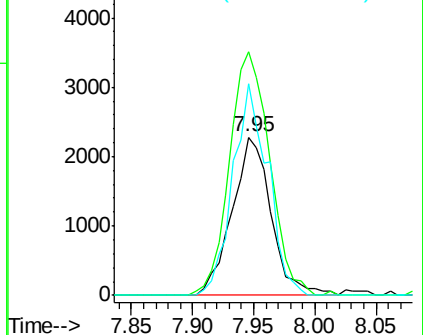
#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

Instrument :
MSVOA_W
ClientSampleId :
TR-04-062918

Tgt Ion: 56 Resp: 5074
Ion Ratio Lower Upper
56 100
69 153.9 27.0 40.4#
84 134.0 65.4 98.0#

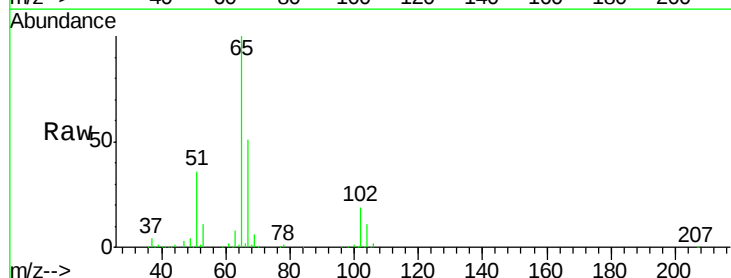


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

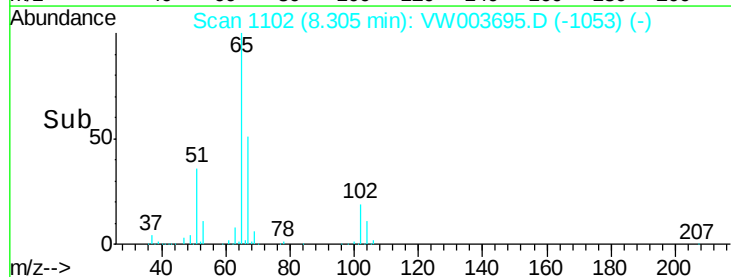
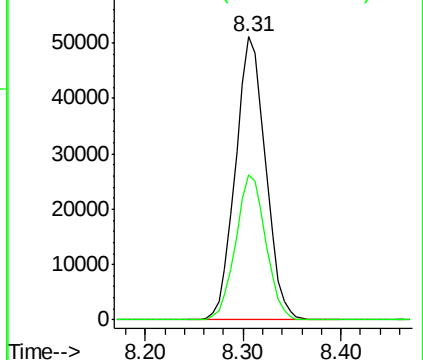


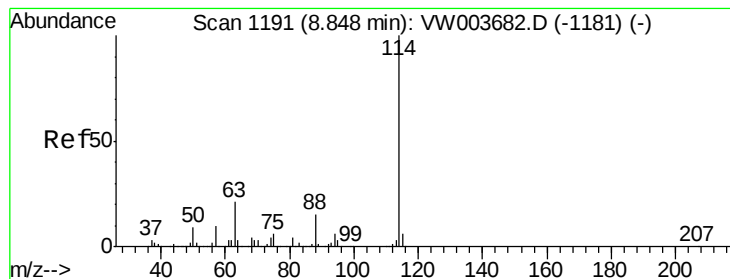
#33
1,2-Dichloroethane-d4
Concen: 47.581 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

Tgt Ion: 65 Resp: 109378
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0



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: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

TR-04-062918

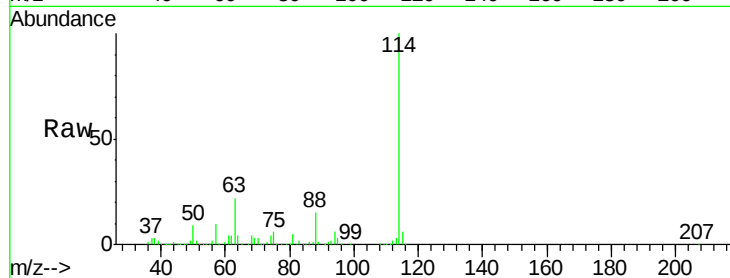
Tgt Ion:114 Resp: 323940

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.6

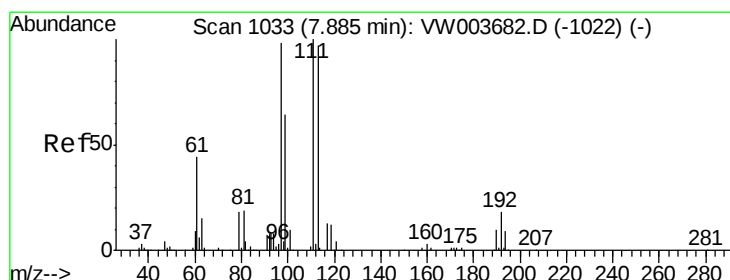
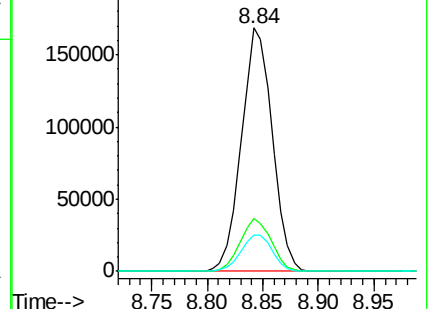
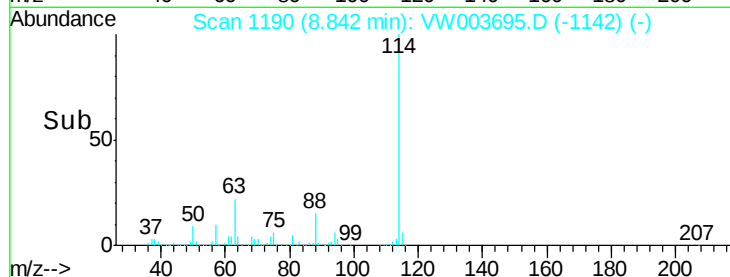
88 14.8 0.0 29.8



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: 43.796 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

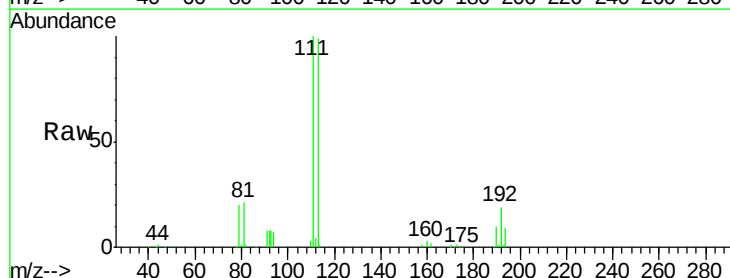
Tgt Ion:113 Resp: 92530

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

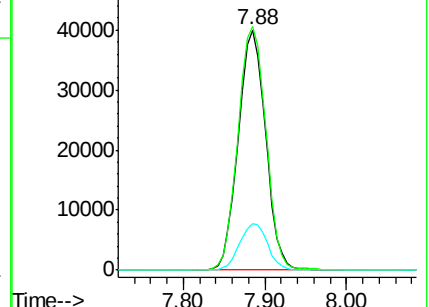
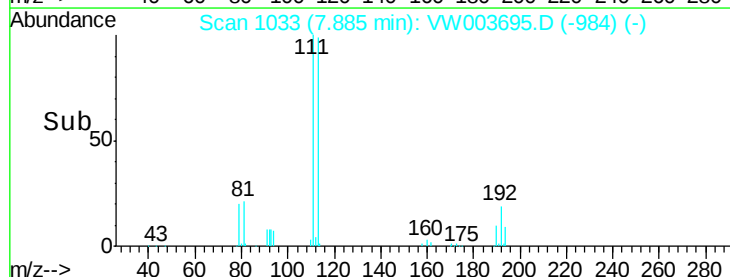
192 19.7 15.8 23.6

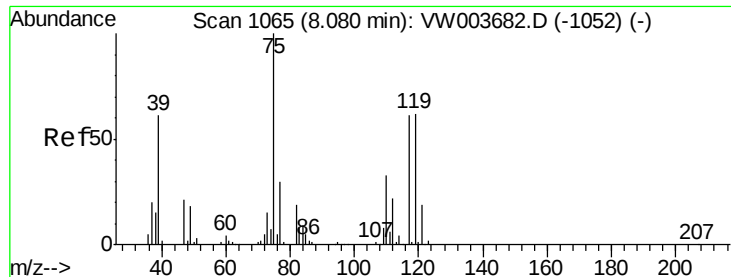


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

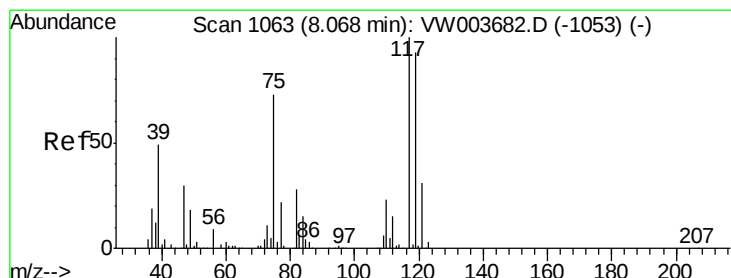
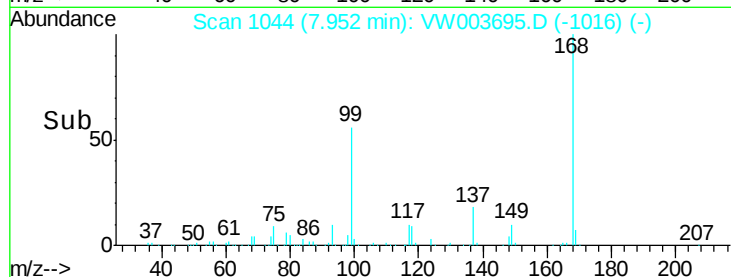
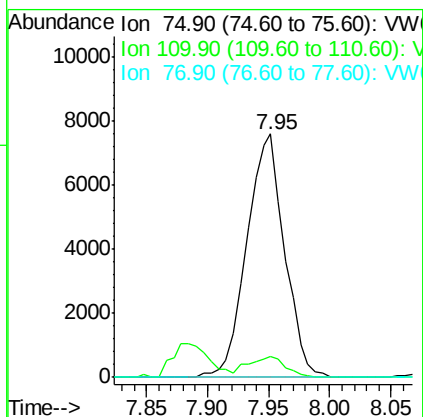
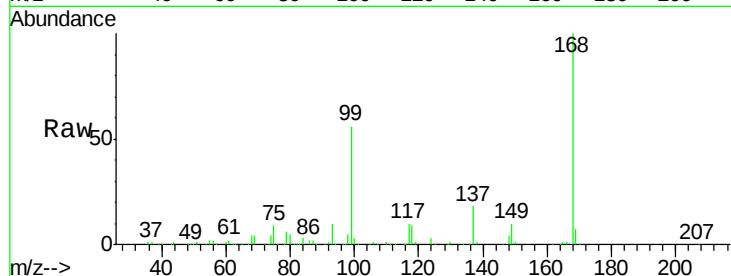




#36
 1,1-Dichloropropene
 Concen: 4.985 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003695.D
 Acq: 03 Jul 2018 13:40

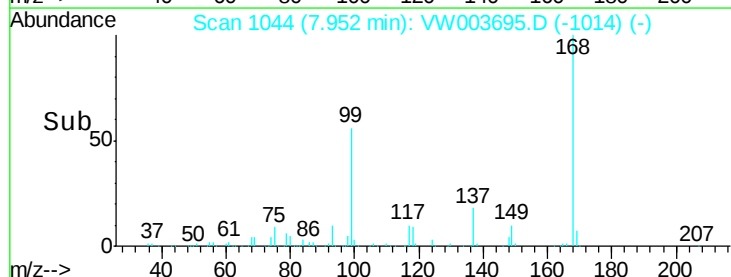
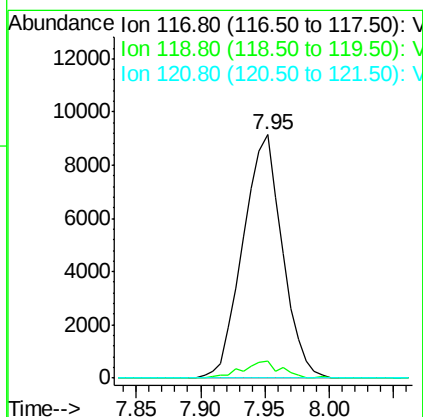
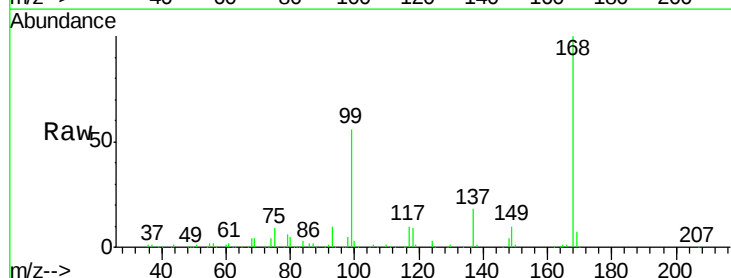
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 MSVOA_W
 ClientSampleId :
 TR-04-062918

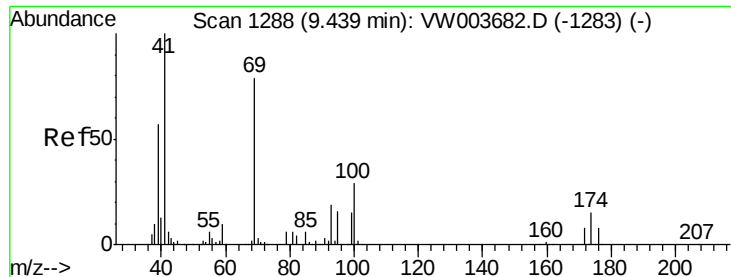
Tgt Ion: 75 Resp: 16211
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.246 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003695.D
 Acq: 03 Jul 2018 13:40

Tgt Ion: 117 Resp: 19322
 Ion Ratio Lower Upper
 117 100
 119 7.0 74.1 111.1#
 121 0.0 25.0 37.4#

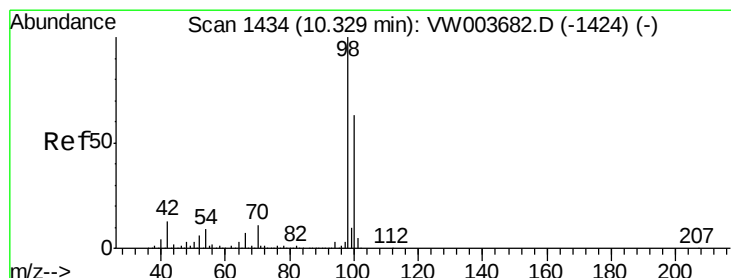
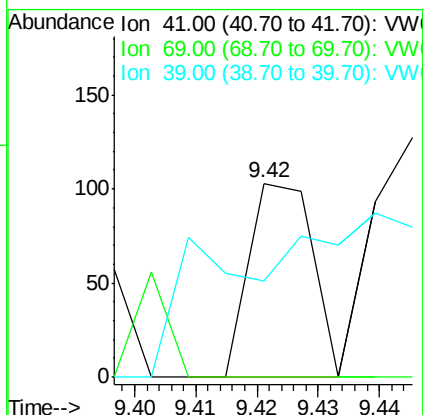
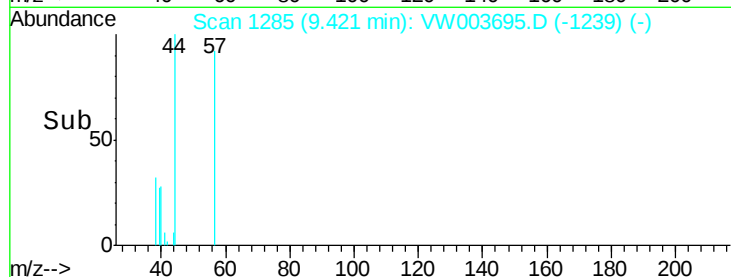
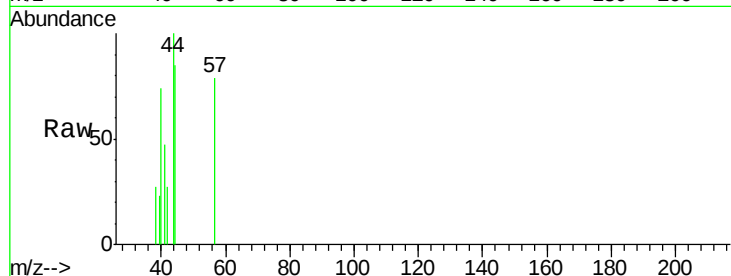




#48
Methyl methacrylate
Concen: 3.408 ug/l
RT: 9.42 min Scan# 1285
Delta R.T. -0.02 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

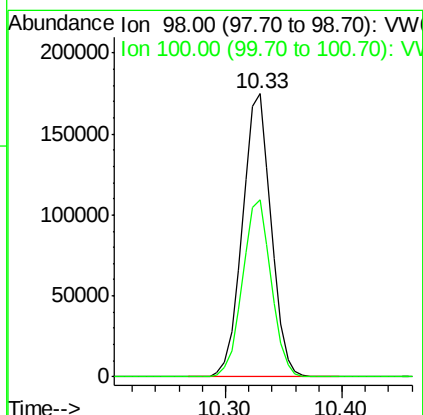
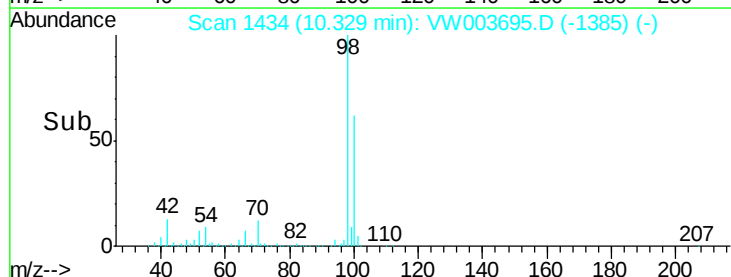
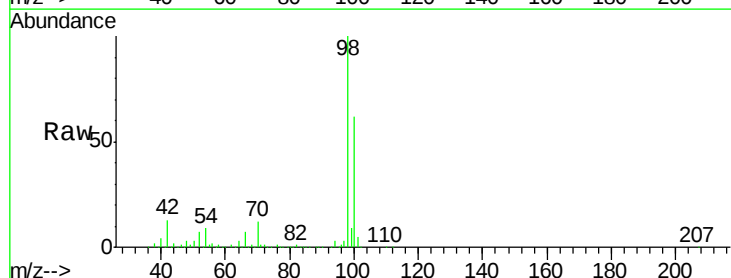
Instrument :
MSVOA_W
ClientSampled :
TR-04-062918

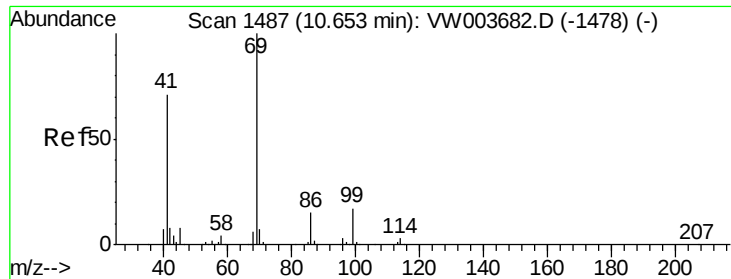
Tgt Ion: 41 Resp: 74
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 243.2 50.0 75.0#



#50
Toluene-d8
Concen: 36.192 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

Tgt Ion: 98 Resp: 300179
Ion Ratio Lower Upper
98 100
100 62.7 50.8 76.2





#56

Ethyl methacrylate

Concen: 3.650 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

TR-04-062918

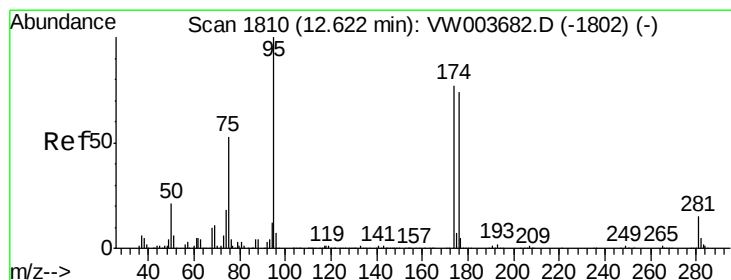
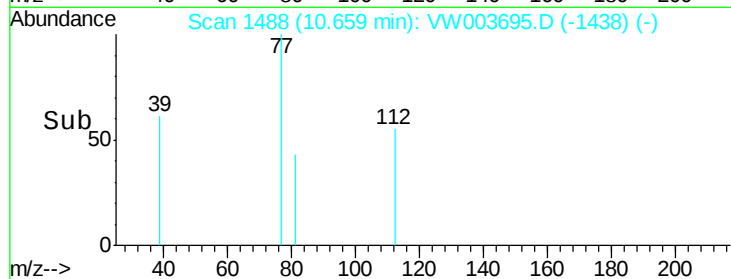
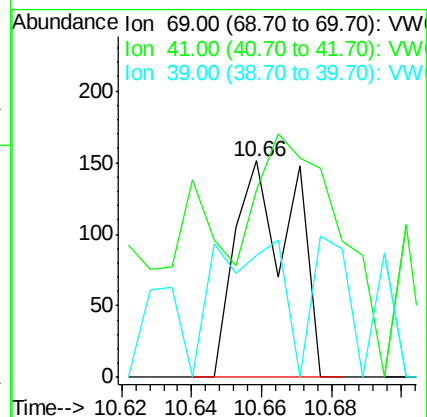
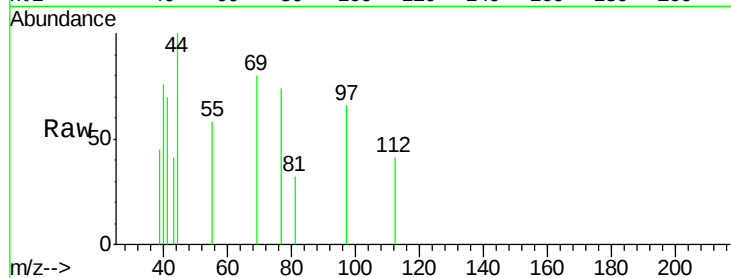
Tgt Ion: 69 Resp: 173

Ion Ratio Lower Upper

69 100

41 164.7 57.5 86.3#

39 73.4 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 34.203 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

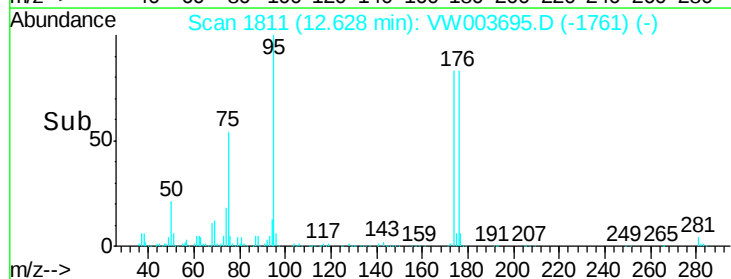
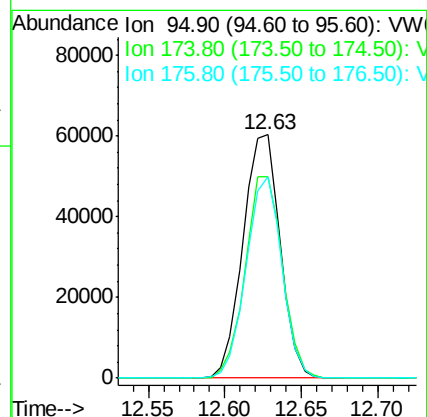
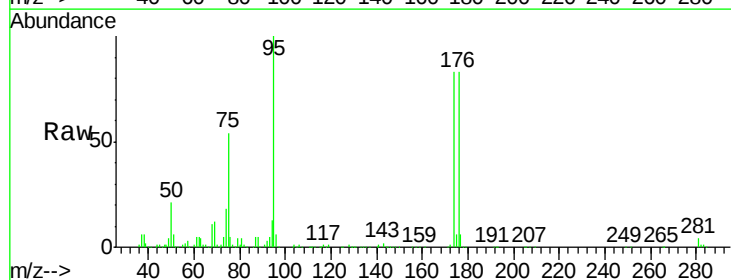
Tgt Ion: 95 Resp: 101913

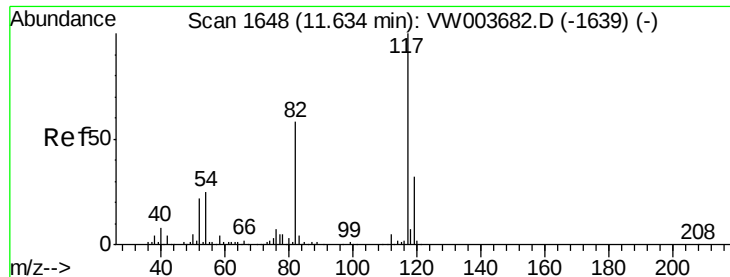
Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.2

176 79.3 0.0 155.0

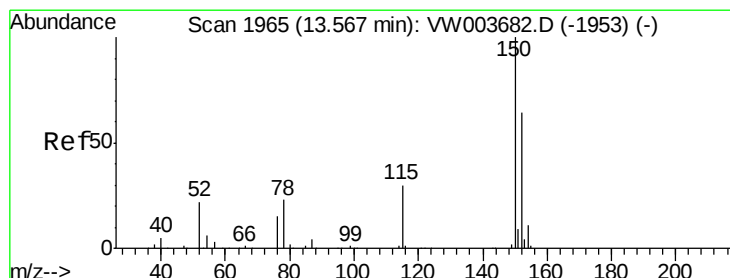
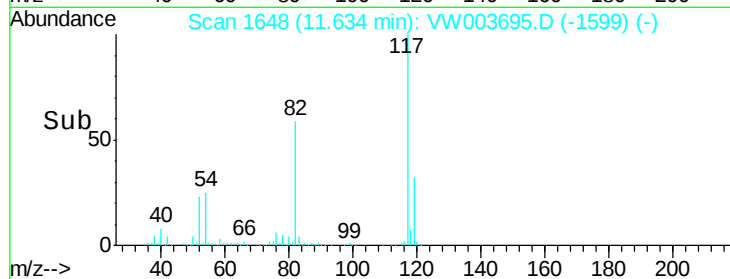
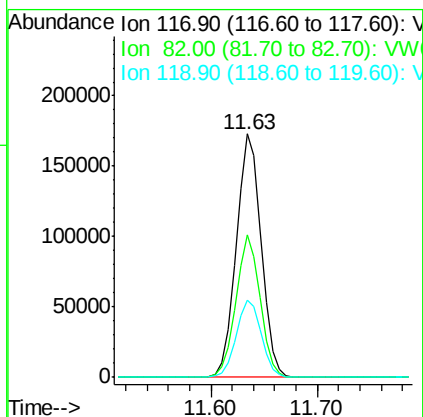
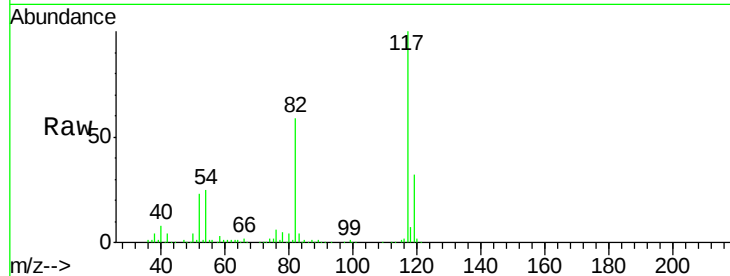




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

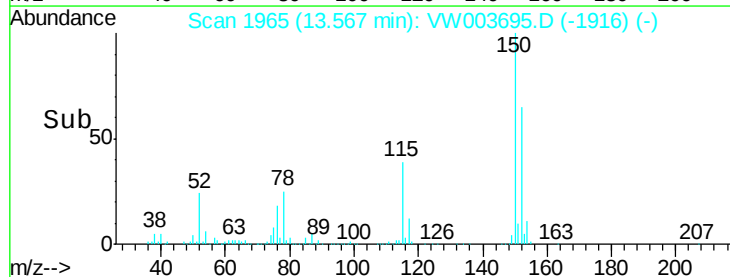
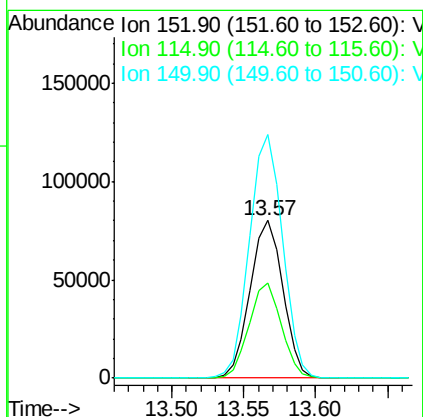
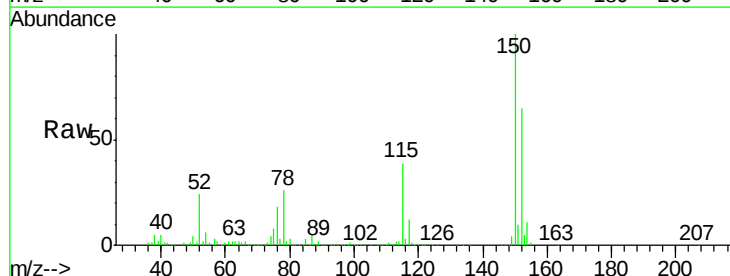
Instrument :
MSVOA_W
ClientSampleId :
TR-04-062918

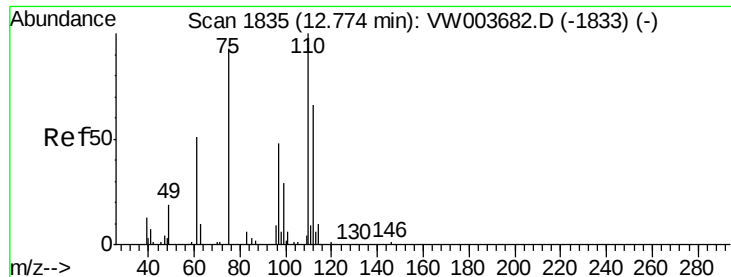
Tgt Ion:117 Resp: 283559
Ion Ratio Lower Upper
117 100
82 58.6 46.0 69.0
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003695.D
Acq: 03 Jul 2018 13:40

Tgt Ion:152 Resp: 126650
Ion Ratio Lower Upper
152 100
115 59.1 29.3 88.0
150 155.6 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 49.366 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

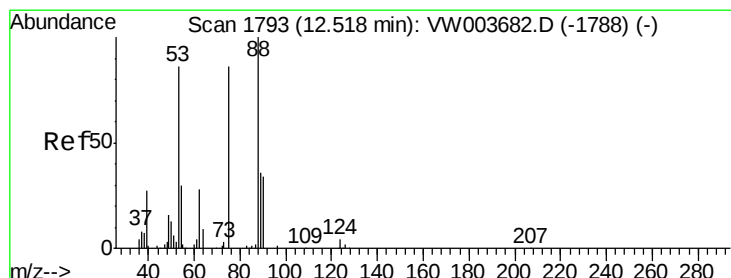
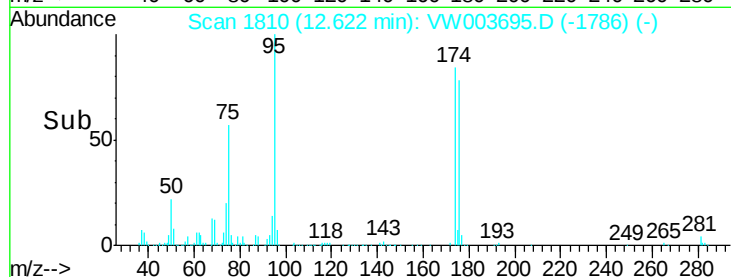
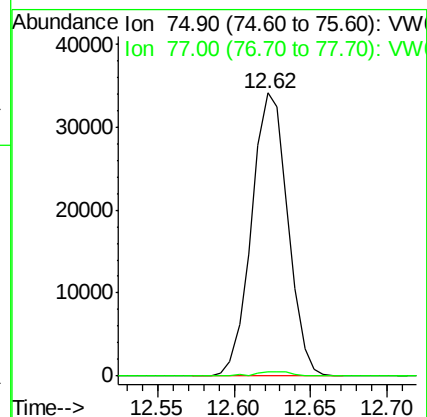
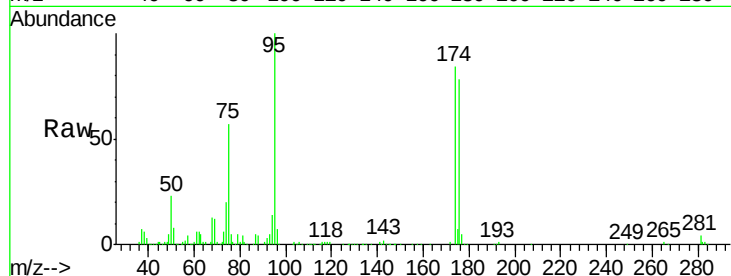
TR-04-062918

Tgt Ion: 75 Resp: 56216

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.603 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003695.D

Acq: 03 Jul 2018 13:40

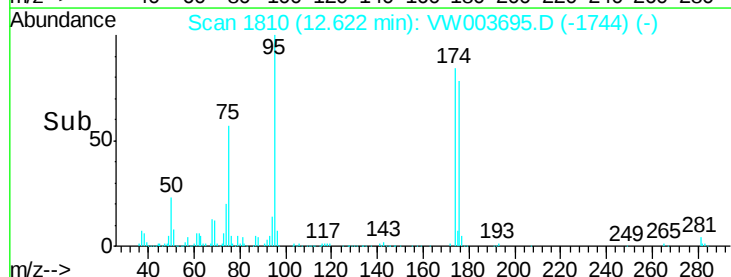
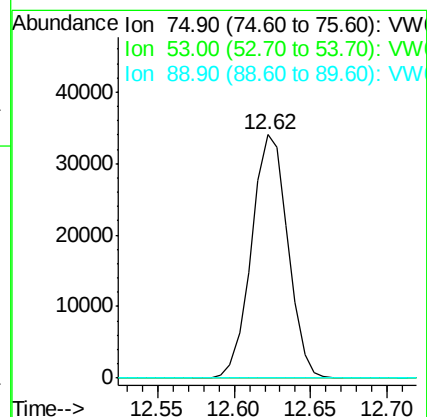
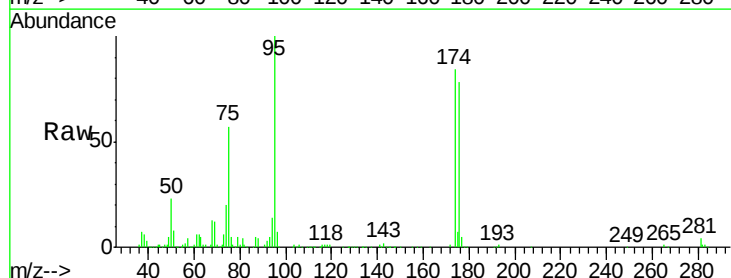
Tgt Ion: 75 Resp: 56216

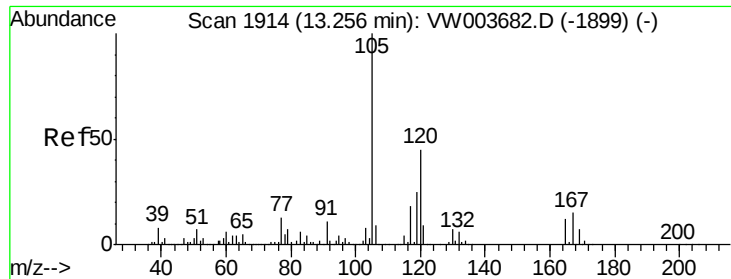
Ion Ratio Lower Upper

75 100

53 0.2 82.4 123.6#

89 0.0 35.9 53.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.024 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003695.D
 Acq: 03 Jul 2018 13:40

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-062918

Tgt Ion:105 Resp: 7683
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.4 67.3

