

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003721.D
 Acq On : 05 Jul 2018 15:17
 Operator : SY/AP
 Sample : J3815-01
 Misc : 4.70G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:35:47 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	125790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	210561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	199410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	88376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	76477	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.88	113	65748	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	10.33	98	197000	36.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.08%	
62) 4-Bromofluorobenzene	12.62	95	68029	35.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.24%	

Target Compounds

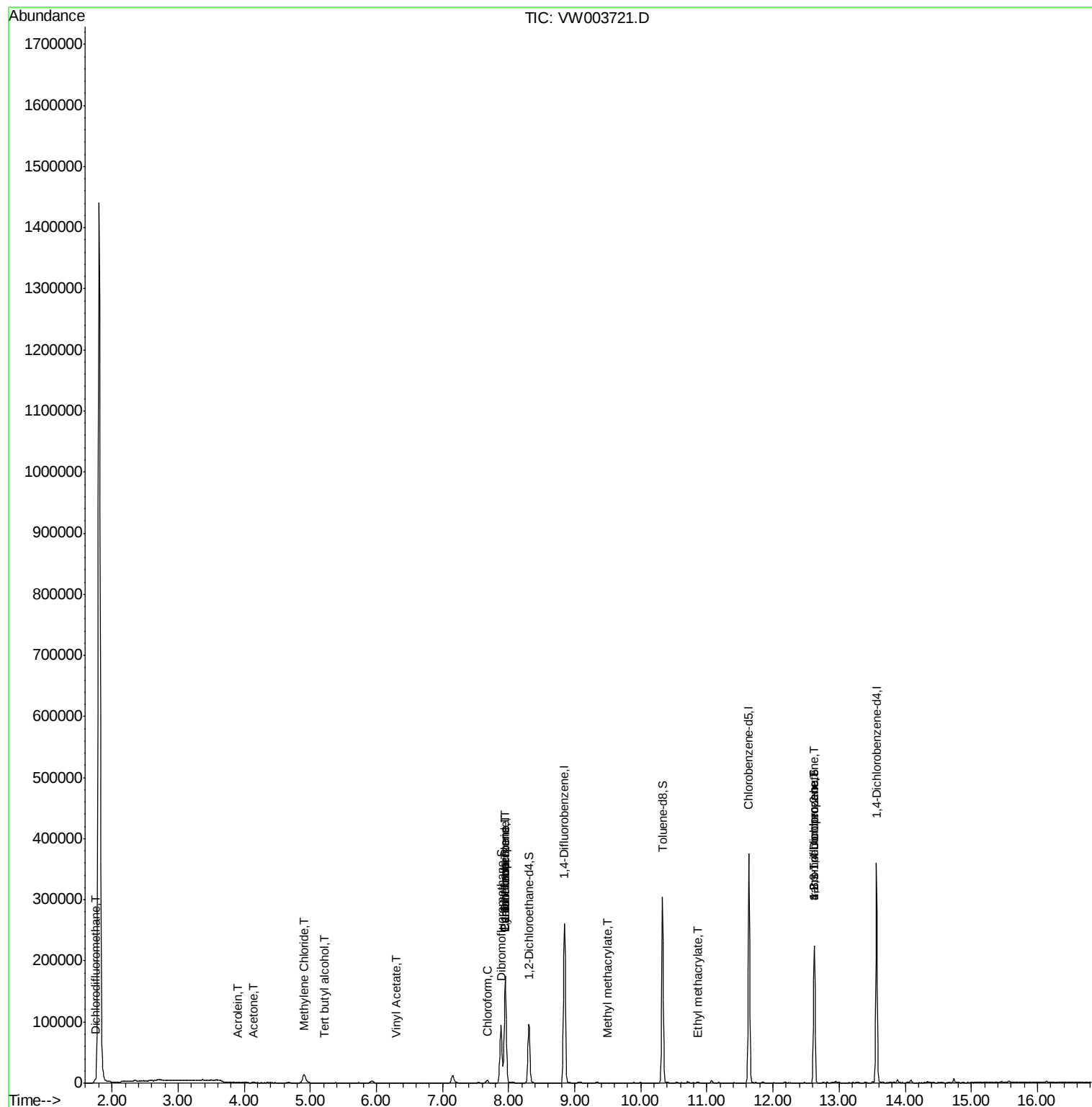
						Qvalue
2) Dichlorodifluoromethane	1.75	85	24	4.901	ug/l #	43
11) Tert butyl alcohol	5.21	59	267	2.845	ug/l #	71
13) Acrolein	3.90	56	46	1.010	ug/l #	16
16) Acetone	4.13	43	986	2.754	ug/l #	75
20) Methylene Chloride	4.90	84	10897	4.939	ug/l	95
23) Vinyl Acetate	6.31	43	51	13.881	ug/l #	74
30) Chloroform	7.68	83	3480	1.367	ug/l	99
31) Cyclohexane	7.95	56	3552	1.549	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	10765	5.093	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12425	6.179	ug/l #	19
48) Methyl methacrylate	9.49	41	19	3.381	ug/l #	1
56) Ethyl methacrylate	10.85	69	22	3.598	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	37023	46.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37023	98.725	ug/l #	9

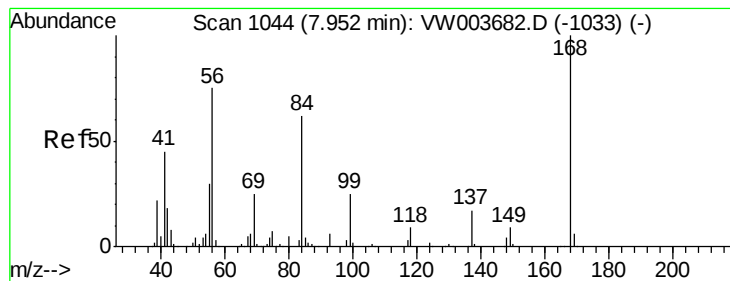
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003721.D

Acq: 05 Jul 2018 15:17

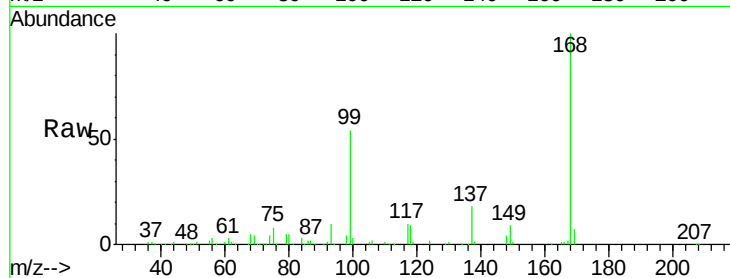
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 125790

Ion Ratio Lower Upper

168 100

99 54.4 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

60000

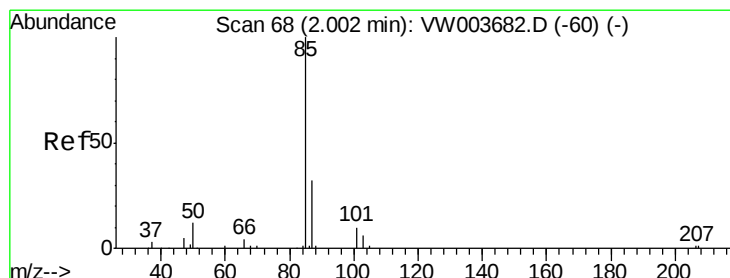
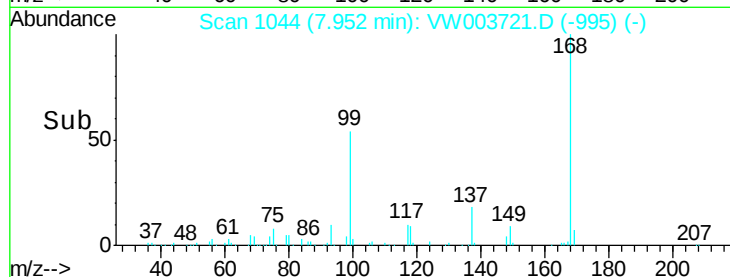
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 4.901 ug/l

RT: 1.75 min Scan# 27

Delta R.T. -0.25 min

Lab File: VW003721.D

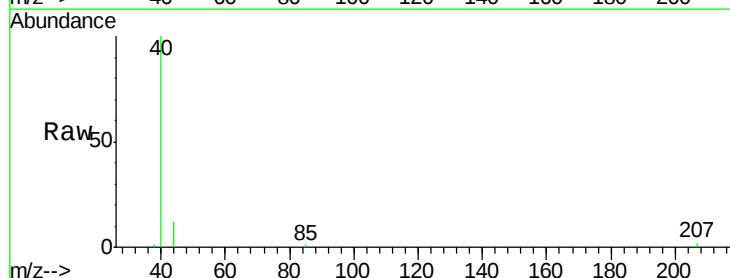
Acq: 05 Jul 2018 15:17

Tgt Ion: 85 Resp: 24

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.75

60

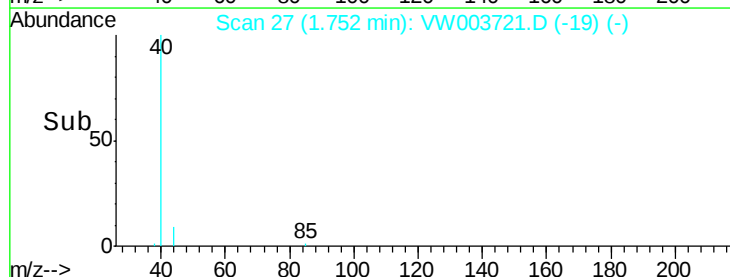
40

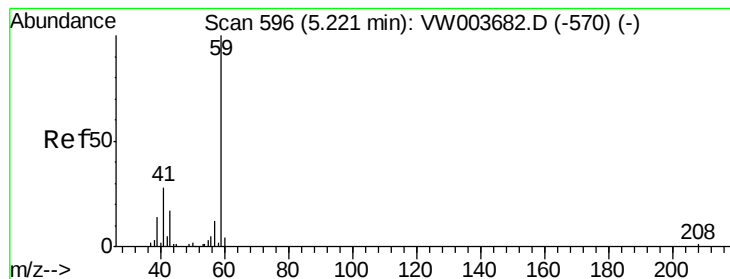
20

0

1.73 1.74 1.75 1.76 1.77

Time-->



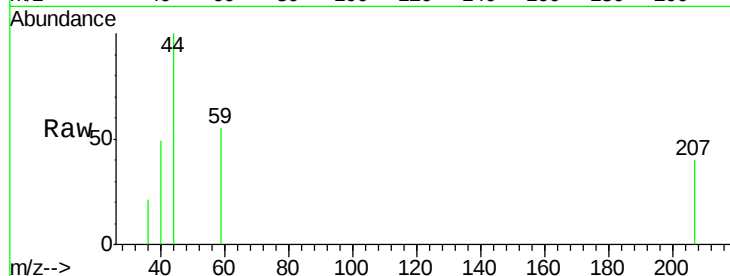


#11

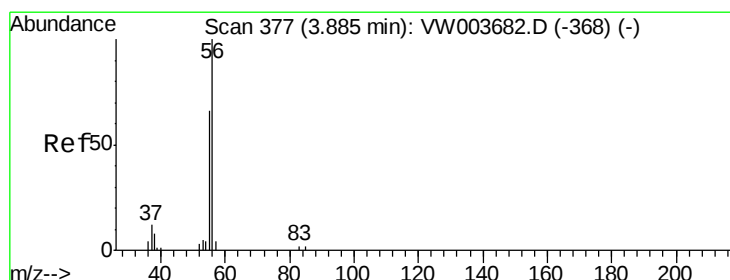
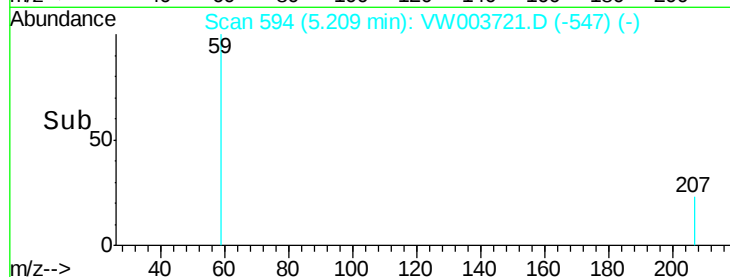
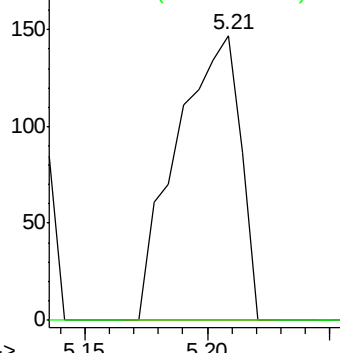
Tert butvl alcohol
 Concen: 2.845 ug/l
 RT: 5.21 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: VW003721.D
 Acq: 05 Jul 2018 15:17

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 59 Resp: 267
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#



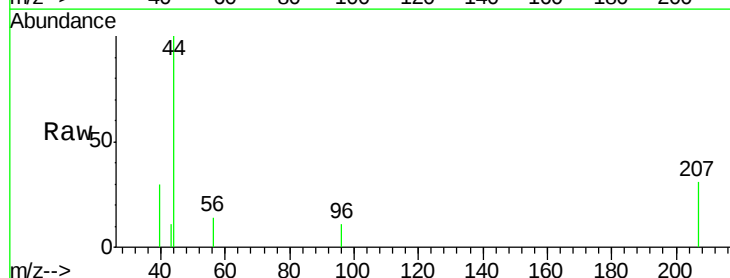
Abundance Ion 59.00 (58.70 to 59.70): VW
 Ion 57.00 (56.70 to 57.70): VW



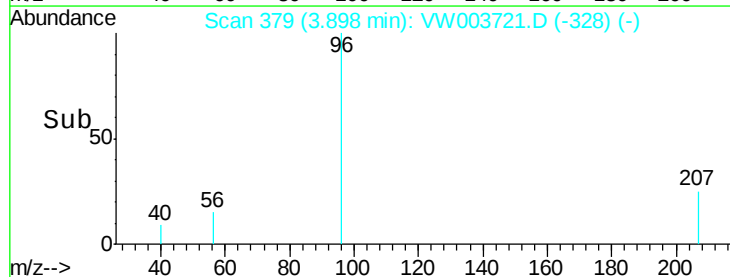
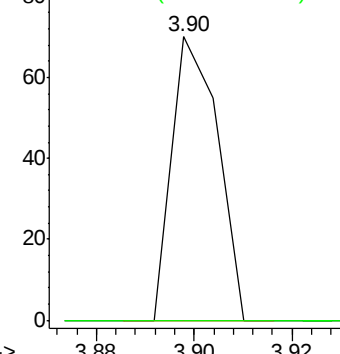
#13

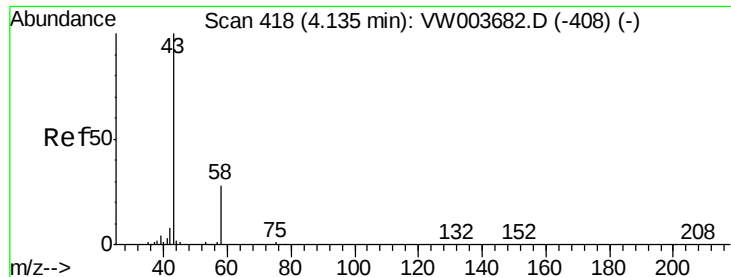
Acrolein
 Concen: 1.010 ug/l
 RT: 3.90 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VW003721.D
 Acq: 05 Jul 2018 15:17

Tgt Ion: 56 Resp: 46
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VW
 Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 2.754 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

Instrument :

MSVOA_W

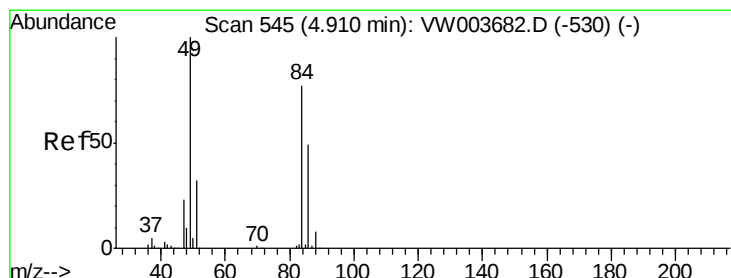
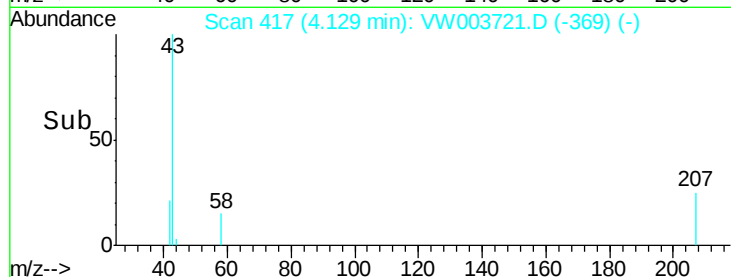
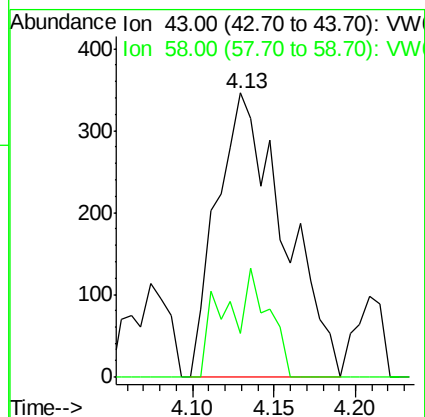
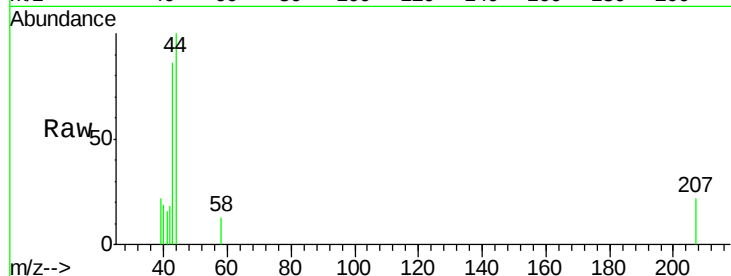
ClientSampleId :

Tot Ion: 43 Resp: 986

Ion Ratio Lower Upper

43 100

58 15.0 22.7 34.1#



#20

Methylene Chloride

Concen: 4.939 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

Tgt Ion: 84 Resp: 10897

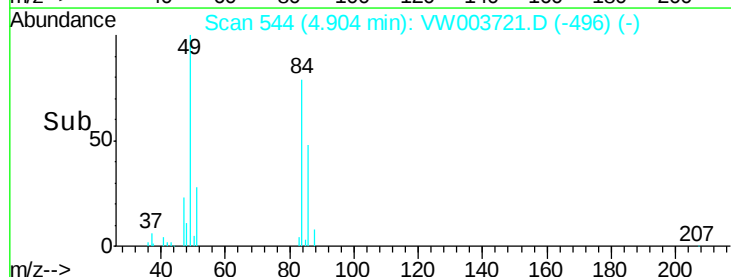
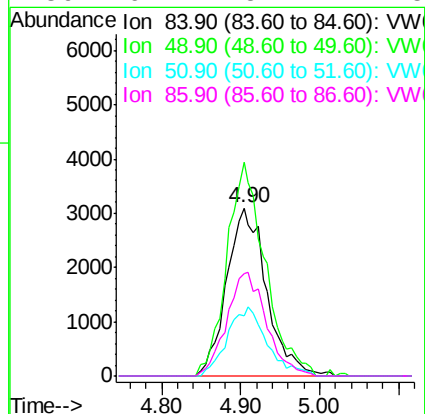
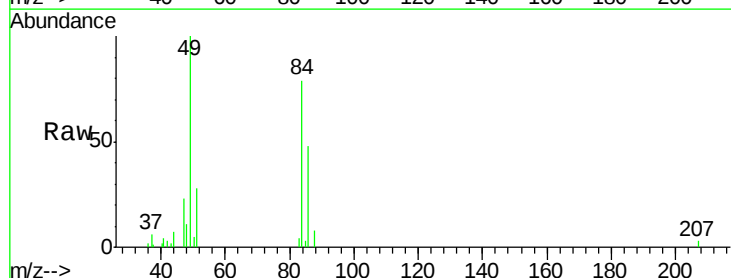
Ion Ratio Lower Upper

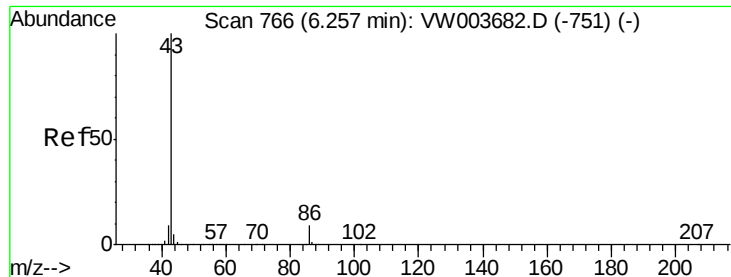
84 100

49 127.0 104.6 156.8

51 35.9 33.2 49.8

86 61.1 51.7 77.5

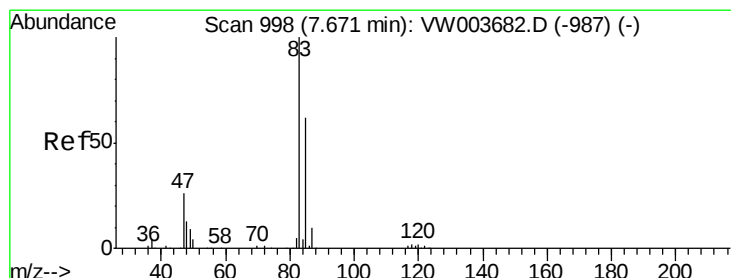
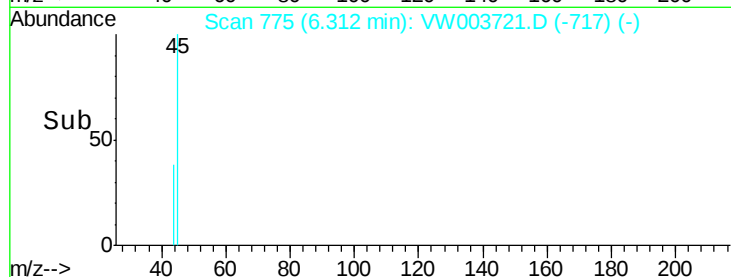
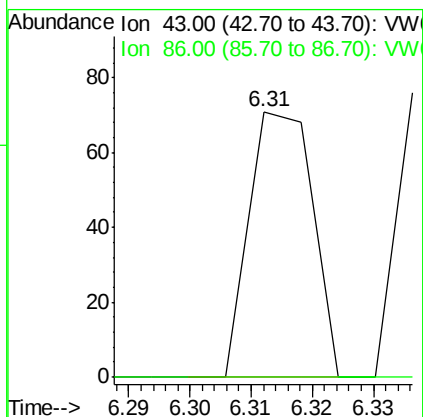
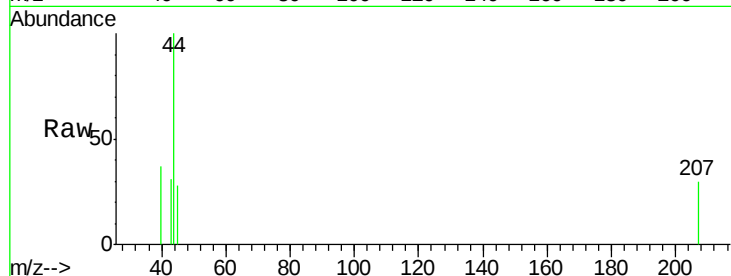




#23
 Vinyl Acetate
 Concen: 13.881 ug/l
 RT: 6.31 min Scan# 775
 Delta R.T. 0.06 min
 Lab File: VW003721.D
 Acq: 05 Jul 2018 15:17

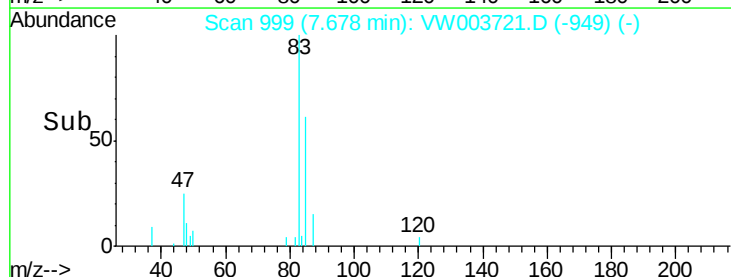
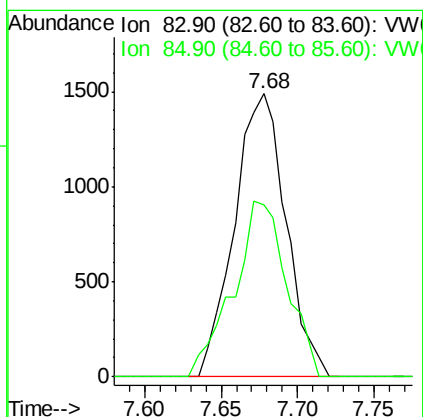
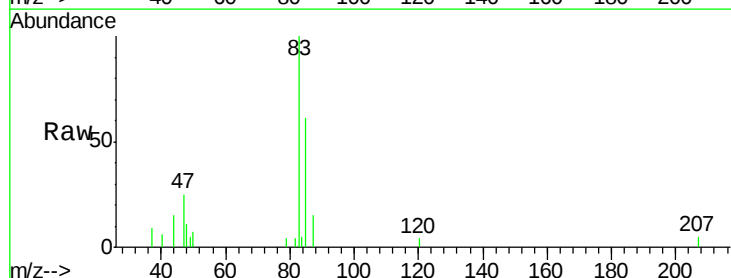
Instrument :
 MSVOA_W
 ClientSampleId :

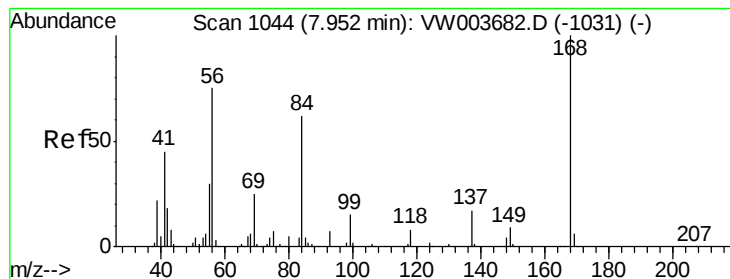
Tot Ion: 43 Resp: 51
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#30
 Chloroform
 Concen: 1.367 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VW003721.D
 Acq: 05 Jul 2018 15:17

Tgt Ion: 83 Resp: 3480
 Ion Ratio Lower Upper
 83 100
 85 61.0 49.7 74.5





#31

Cyclohexane

Concen: 1.549 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

Instrument :
MSVOA_W
ClientSampleId :

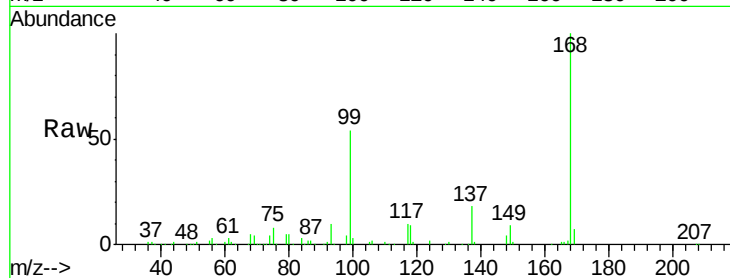
Tot Ion: 56 Resp: 3552

Ion Ratio Lower Upper

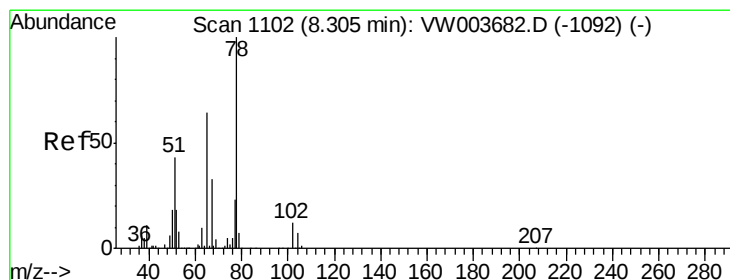
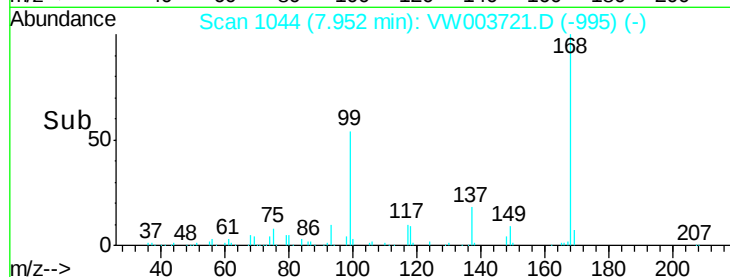
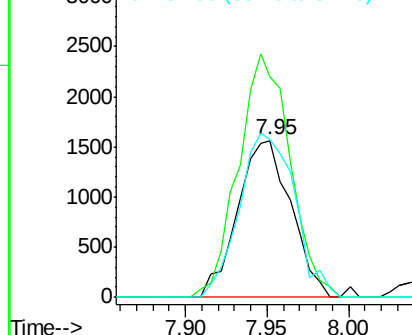
56 100

69 141.0 27.0 40.4#

84 101.0 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: 50.996 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003721.D

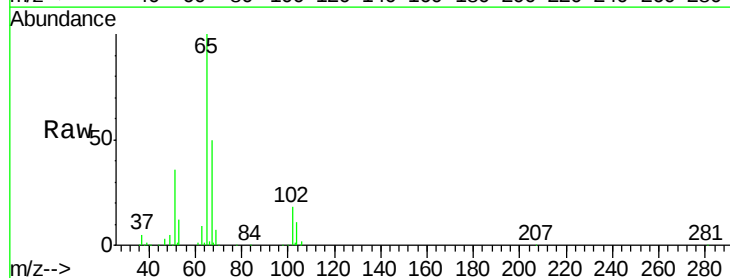
Acq: 05 Jul 2018 15:17

Tgt Ion: 65 Resp: 76477

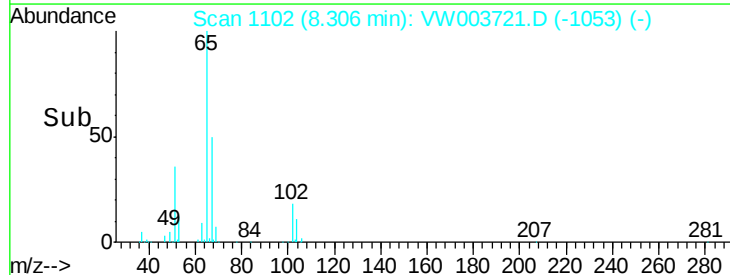
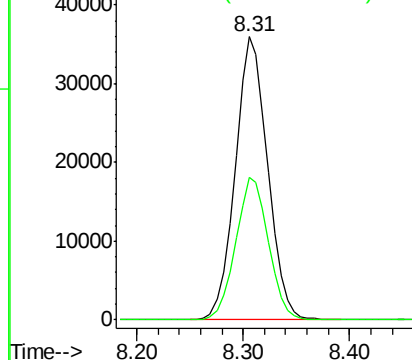
Ion Ratio Lower Upper

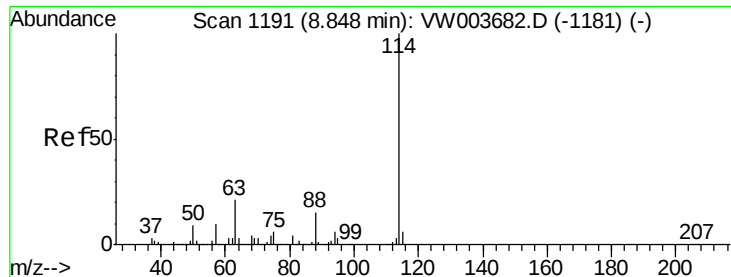
65 100

67 50.8 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: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

Instrument :

MSVOA_W

ClientSampled :

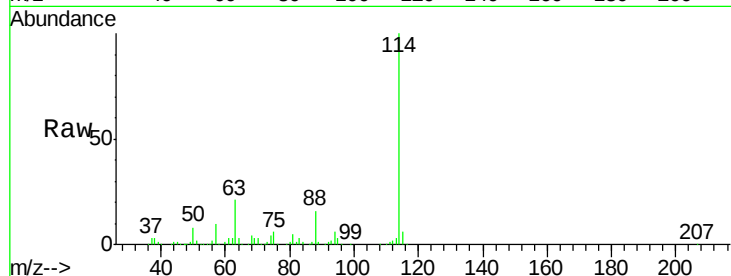
Tot Ion:114 Resp: 210561

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

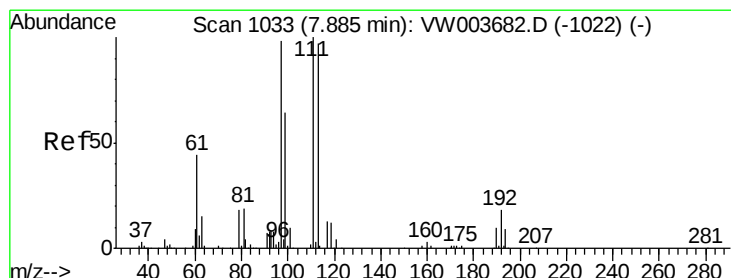
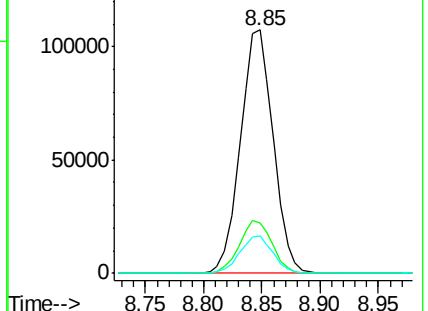
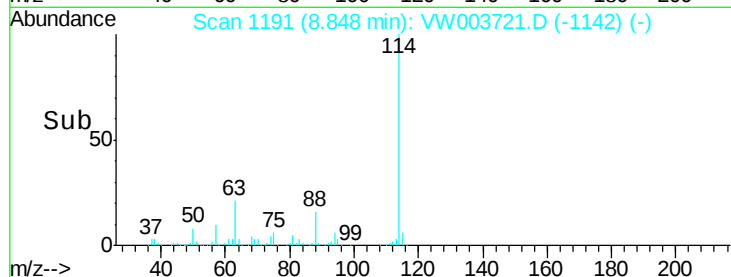
88 15.6 0.0 29.8



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: 47.876 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

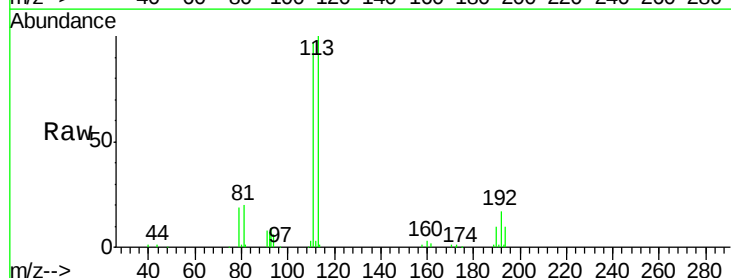
Tgt Ion:113 Resp: 65748

Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

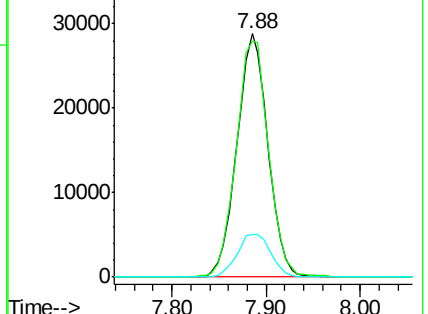
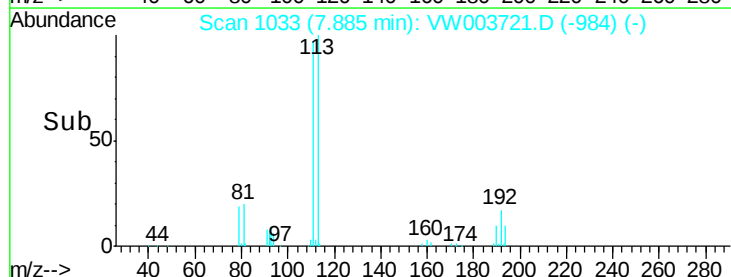
192 19.4 15.8 23.6

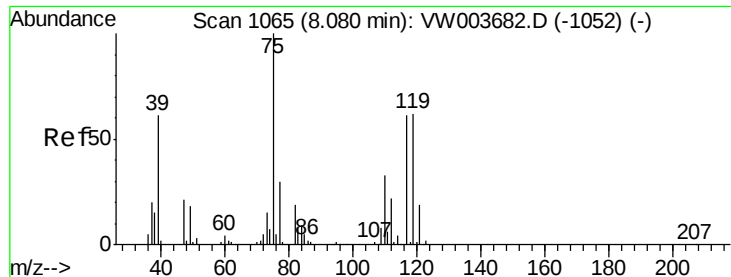


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

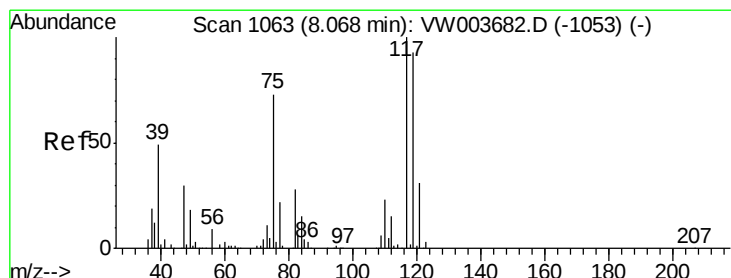
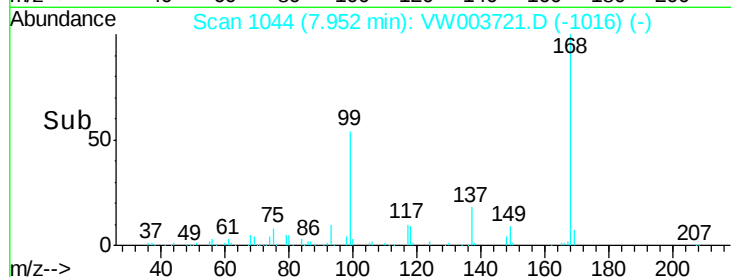
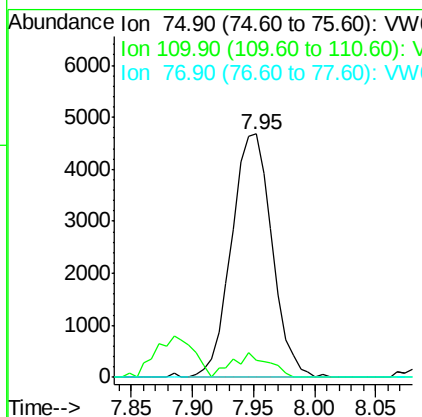
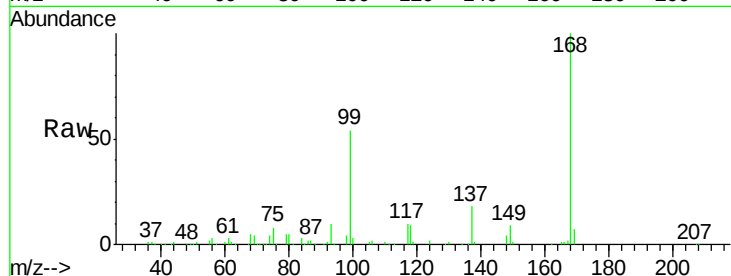




#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003721.D
 Acq: 05 Jul 2018 15:17

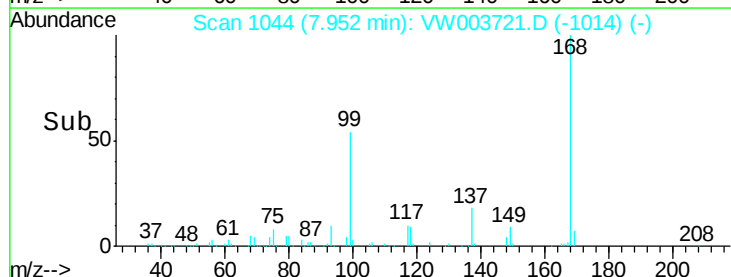
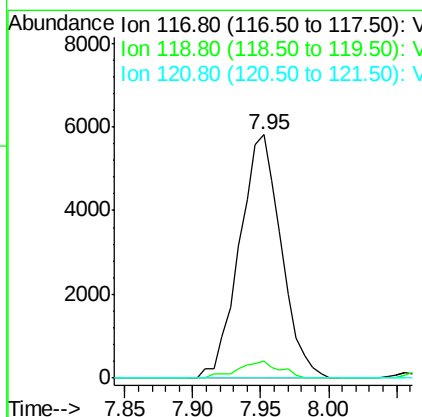
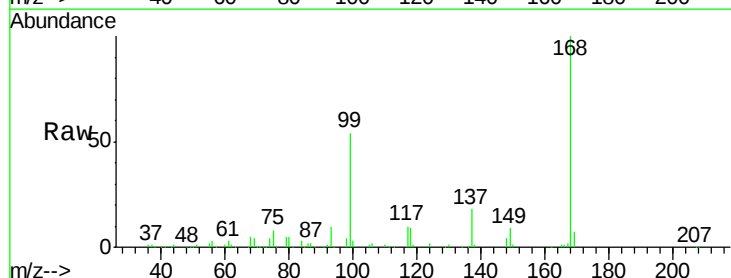
Instrument :
 MSVOA_W
 ClientSampled :

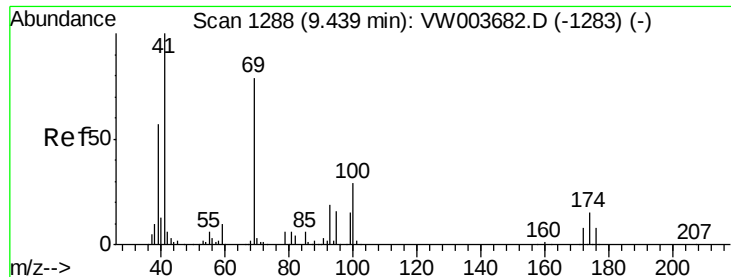
Tot Ion	75	Resp	10765
Ion Ratio	100	Lower	Upper
75	100		
110	9.2	16.9	50.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.179 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003721.D
 Acq: 05 Jul 2018 15:17

Tgt Ion	117	Resp	12425
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	7.0	74.1	111.1#
121	0.0	25.0	37.4#

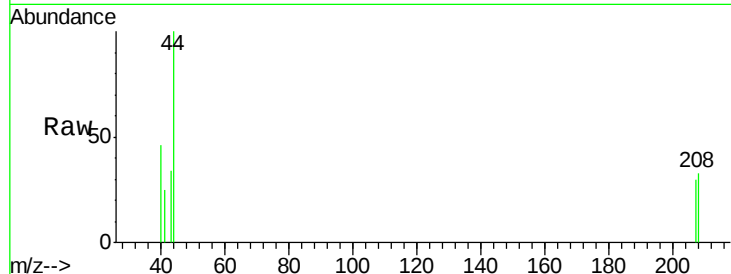




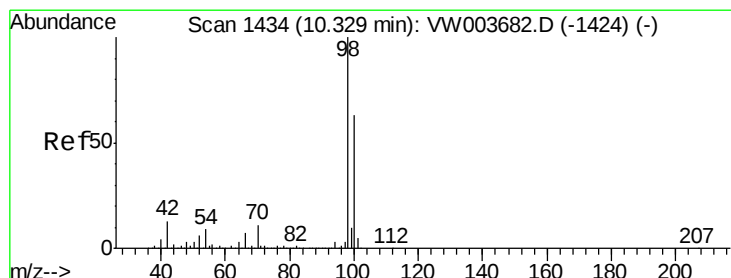
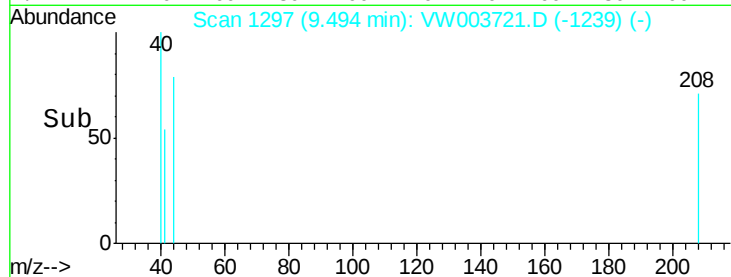
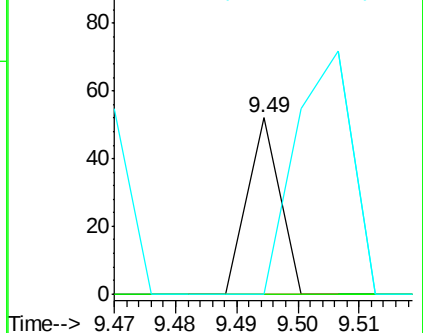
#48
Methvl methacrylate
Concen: 3.381 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.06 min
Lab File: VW003721.D
Acq: 05 Jul 2018 15:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 242.1 50.0 75.0#

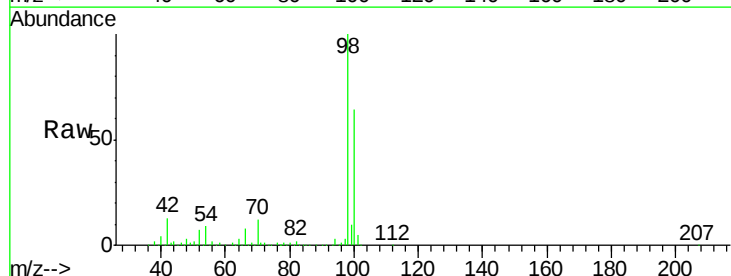


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

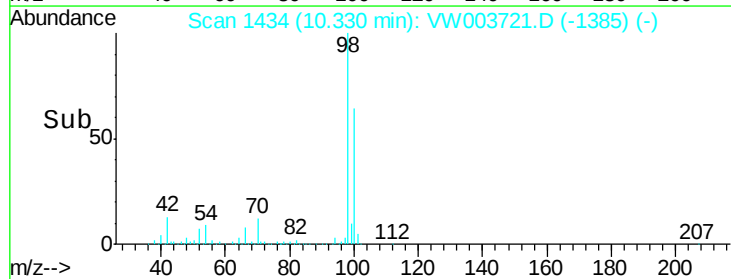
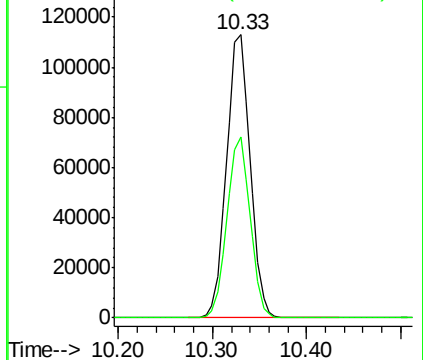


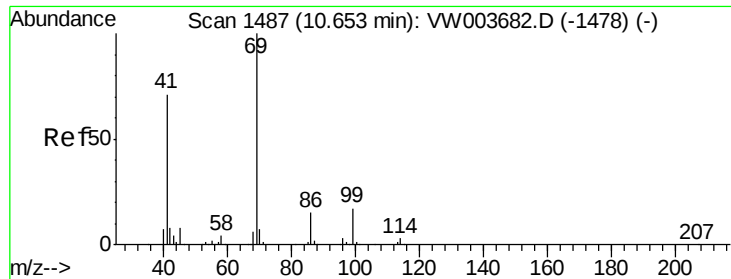
#50
Toluene-d8
Concen: 36.542 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003721.D
Acq: 05 Jul 2018 15:17

Tgt Ion: 98 Resp: 197000
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.598 ug/l

RT: 10.85 min Scan# 1520

Delta R.T. 0.20 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

Instrument :

MSVOA_W

ClientSampled :

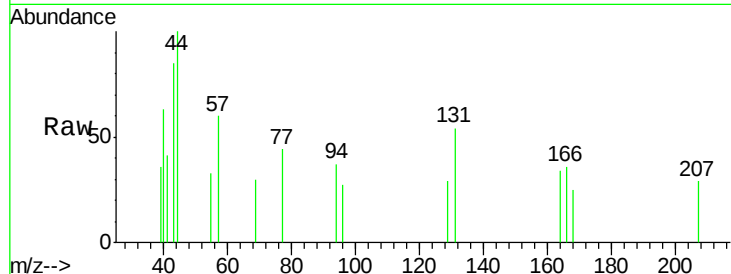
Tot Ion: 69 Resp: 22

Ion Ratio Lower Upper

69 100

41 818.2 57.5 86.3#

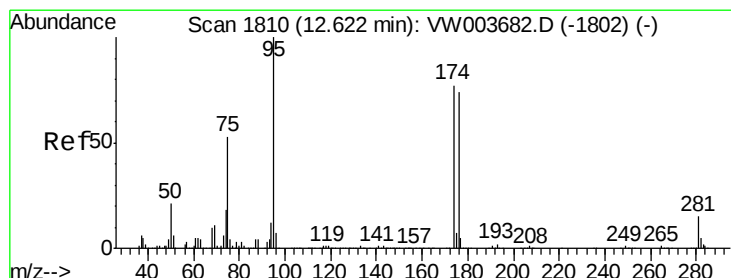
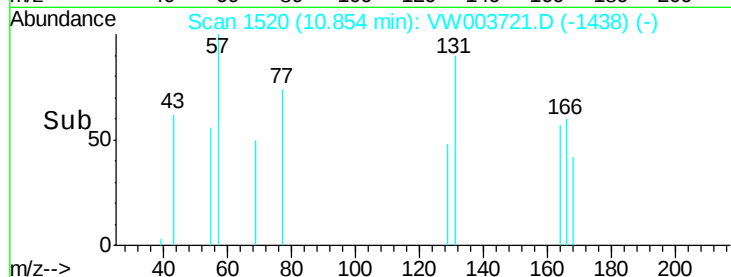
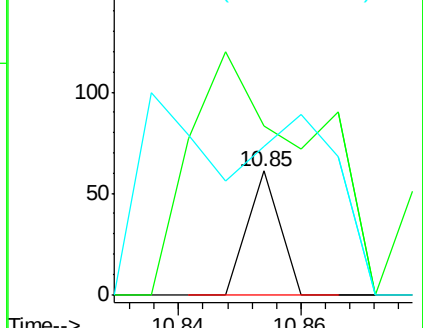
39 390.9 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 35.125 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

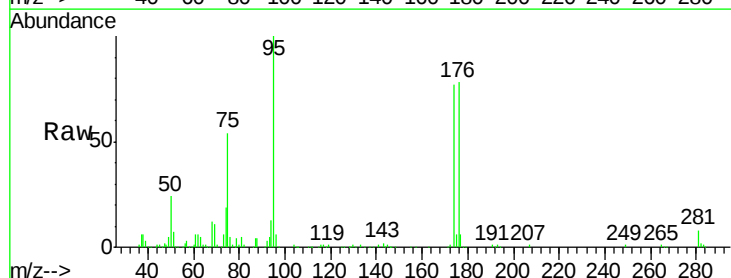
Tgt Ion: 95 Resp: 68029

Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.2

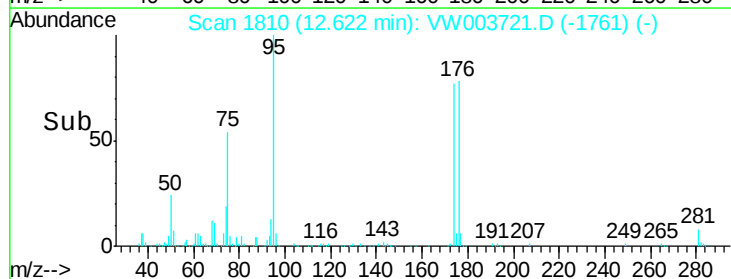
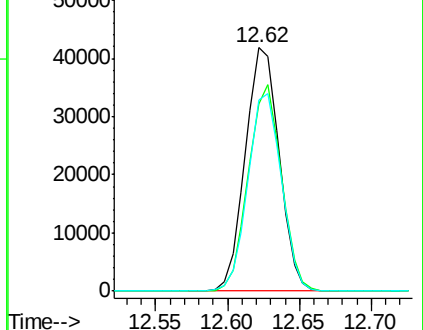
176 80.1 0.0 155.0

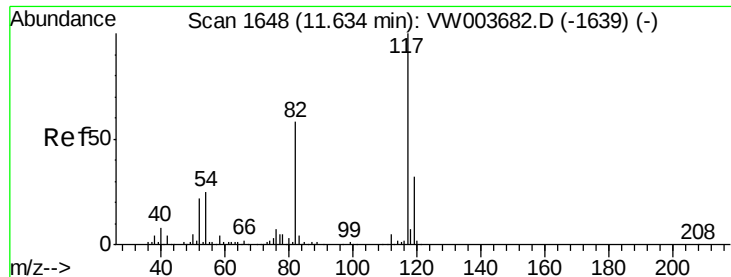


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

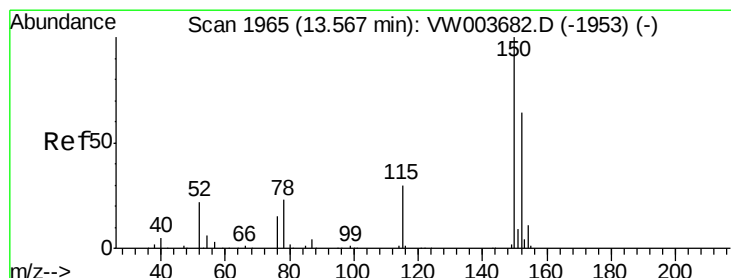
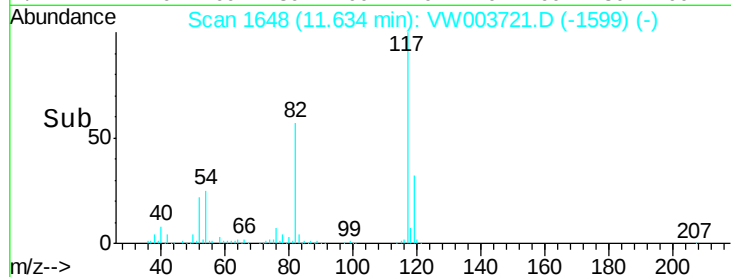
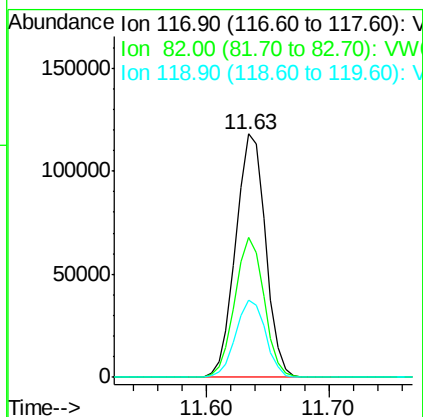
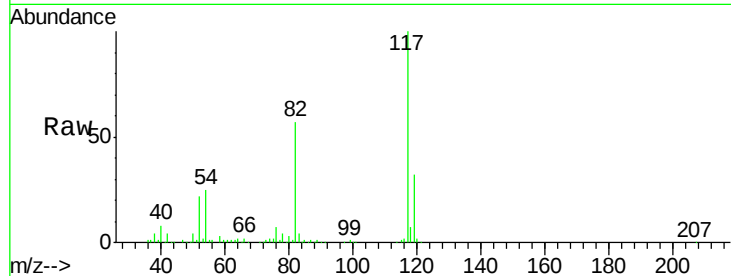




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003721.D
Acq: 05 Jul 2018 15:17

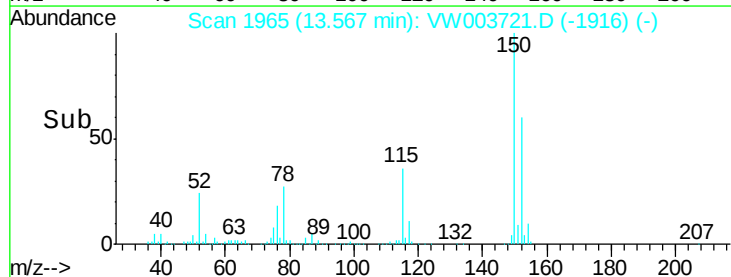
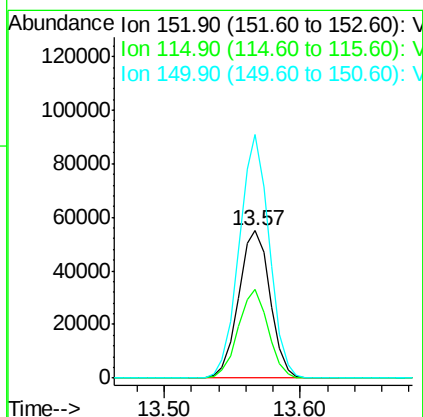
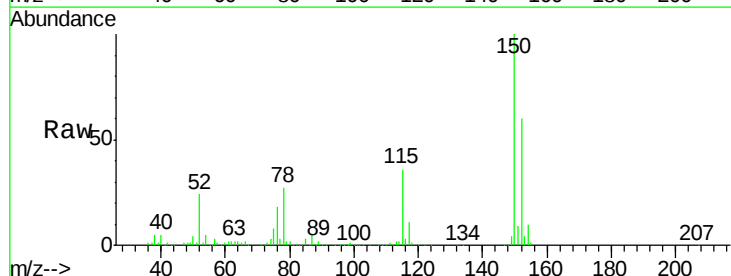
Instrument :
MSVOA_W
ClientSampleId :

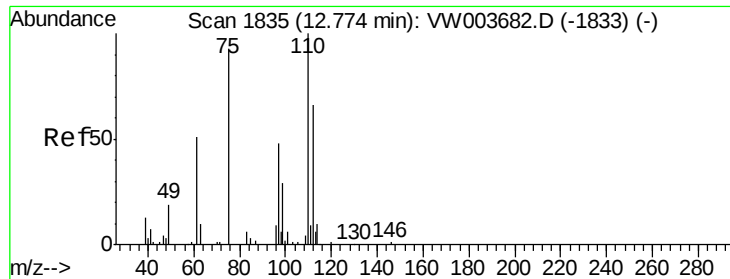
Tot Ion:117 Resp: 199410
Ion Ratio Lower Upper
117 100
82 57.3 46.0 69.0
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003721.D
Acq: 05 Jul 2018 15:17

Tgt Ion:152 Resp: 88376
Ion Ratio Lower Upper
152 100
115 57.8 29.3 88.0
150 158.2 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 46.592 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

Instrument :

MSVOA_W

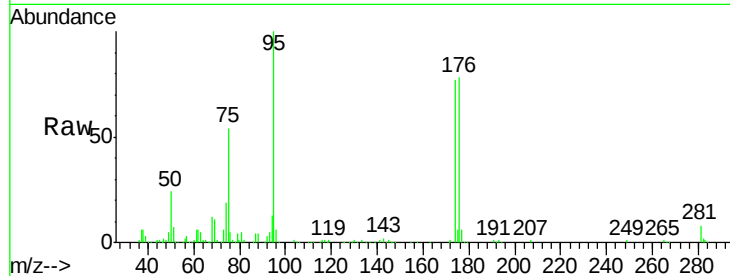
ClientSampled :

Tot Ion: 75 Resp: 37023

Ion Ratio Lower Upper

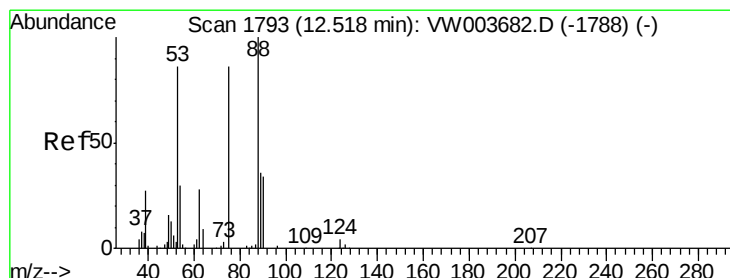
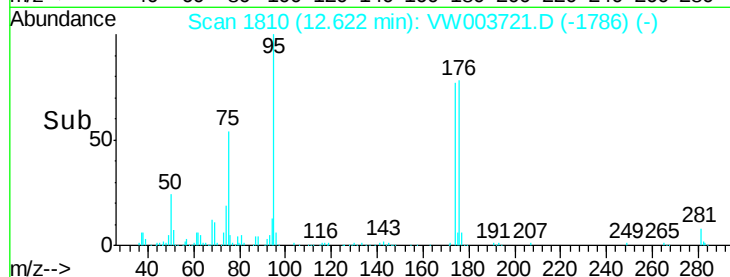
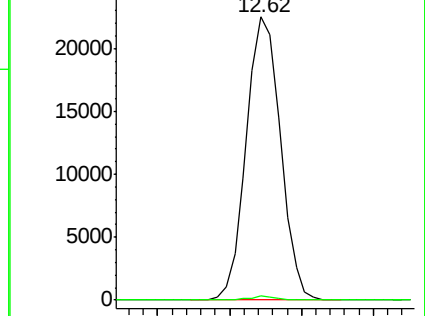
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 98.725 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003721.D

Acq: 05 Jul 2018 15:17

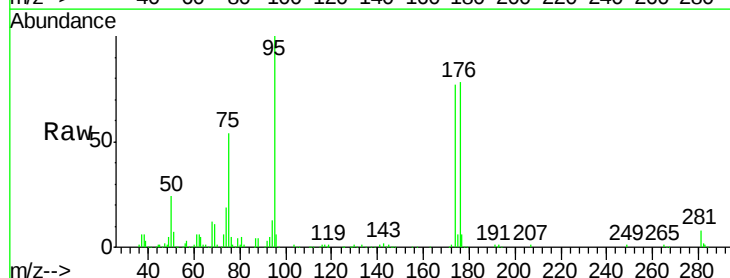
Tgt Ion: 75 Resp: 37023

Ion Ratio Lower Upper

75 100

53 0.4 82.4 123.6#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

