

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083018\
 Data File : VW005011.D
 Acq On : 30 Aug 2018 12:01
 Operator : SY/AP
 Sample : VW0830SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 30 14:11:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	556631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	793690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	815502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	429219	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	205918	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
35) Dibromofluoromethane	7.89	113	209844	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	10.33	98	1095120	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.62	95	392865	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	

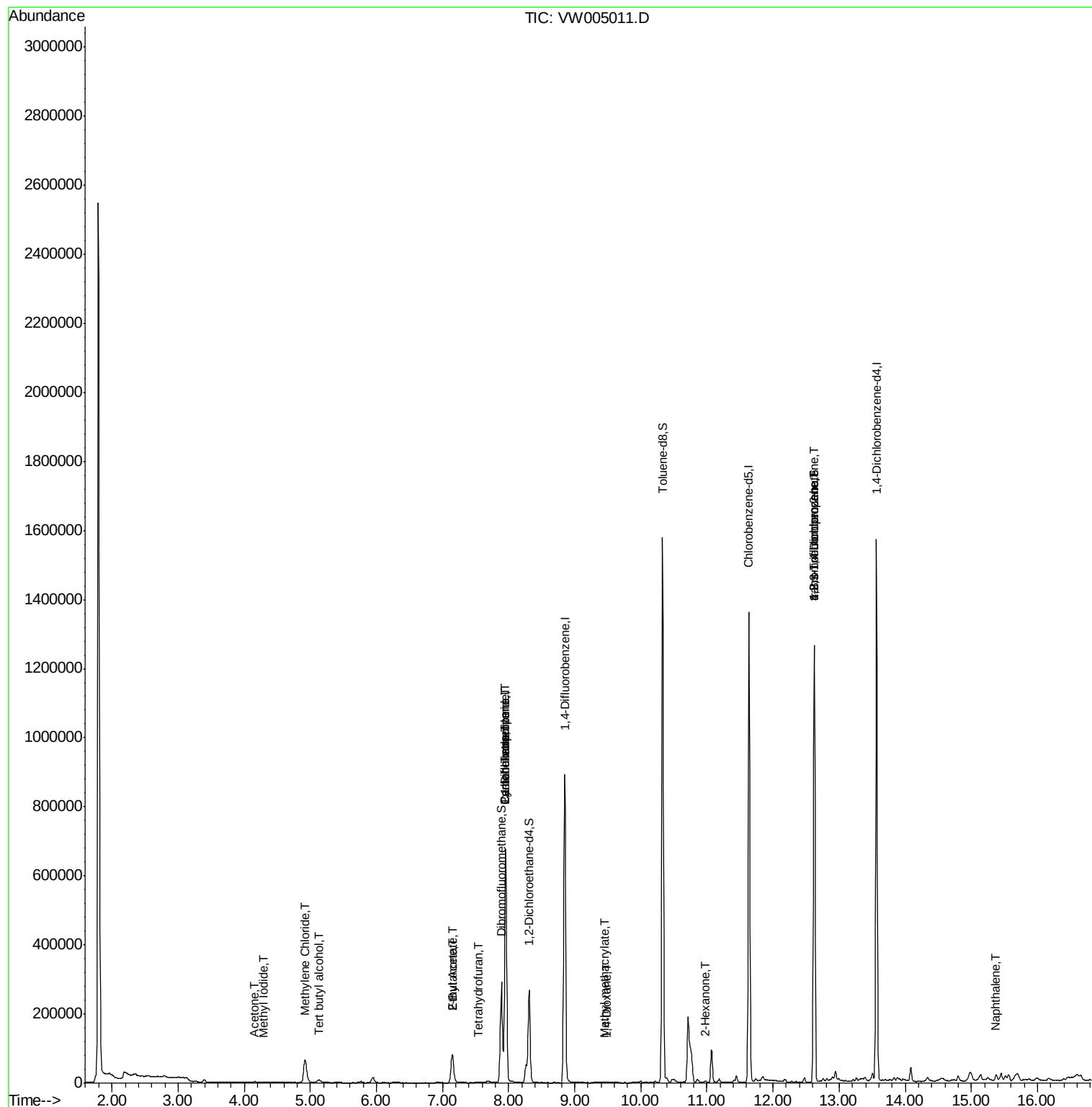
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	905	2.80	ug/l #	84
11) Tert butyl alcohol	5.13	59	7003	25.38	ug/l #	73
16) Acetone	4.15	43	4477	5.21	ug/l	94
20) Methylene Chloride	4.92	84	55449	4.99	ug/l	97
25) 2-Butanone	7.15	43	5592	4.18	ug/l #	72
29) Tetrahydrofuran	7.54	42	1474	2.18	ug/l	92
31) Cyclohexane	7.95	56	10121	1.24	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	37706	5.61	ug/l #	48
37) Ethyl Acetate	7.15	43	5592	2.31	ug/l #	1
38) Carbon Tetrachloride	7.96	117	49160	7.55	ug/l #	15
48) Methyl methacrylate	9.45	41	643	2.90	ug/l #	62
49) 1,4-Dioxane	9.48	88	143	2.96	ug/l #	96
59) 2-Hexanone	10.97	43	3336	1.28	ug/l	85
76) 1,2,3-Trichloropropane	12.62	75	184730	60.77	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	184730	137.34	ug/l #	16
95) Naphthalene	15.37	128	12723	4.94	ug/l	97

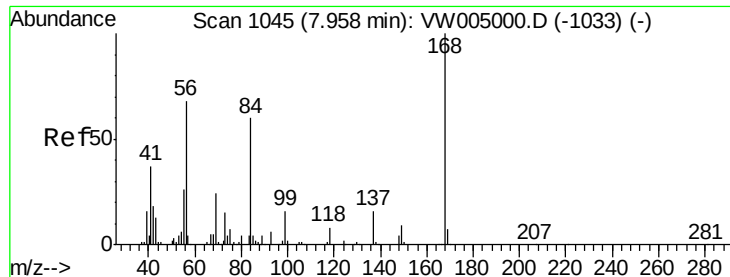
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
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Quant Time: Aug 30 14:11:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 30 01:51:13 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

Instrument :

MSVOA_W

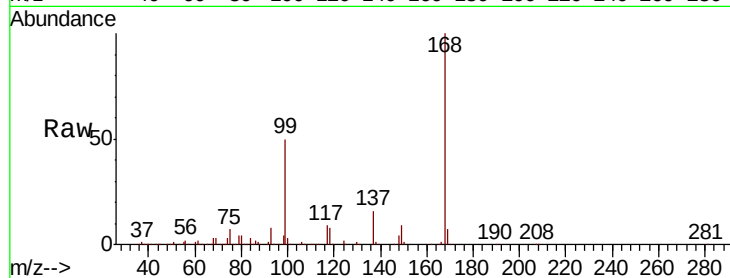
ClientSampleId :

Tot Ion:168 Resp: 556631

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.96

250000

200000

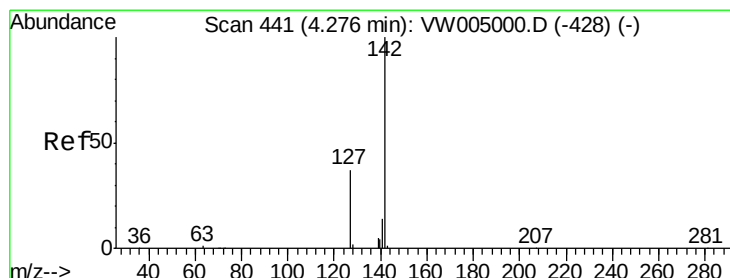
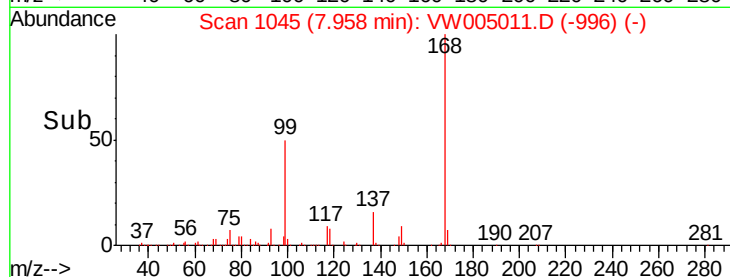
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.80 ug/l

RT: 4.28 min Scan# 442

Delta R.T. 0.01 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

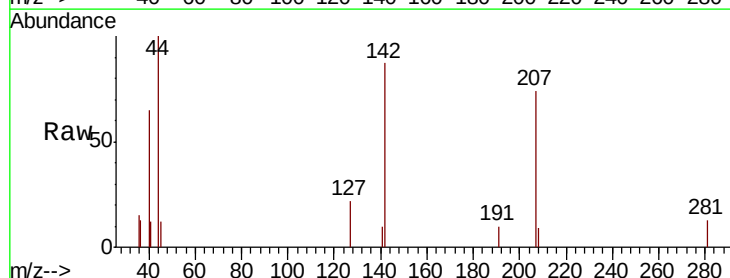
Tgt Ion:142 Resp: 905

Ion Ratio Lower Upper

142 100

127 28.3 31.1 46.7#

141 9.5 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

600

500

400

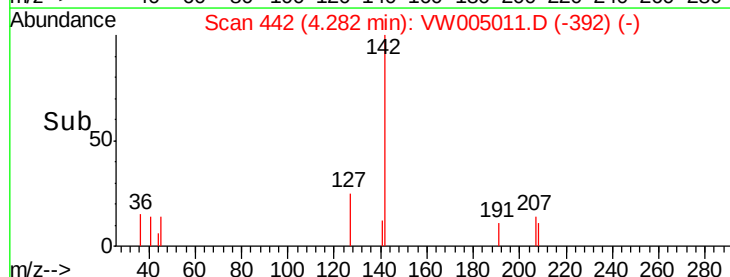
300

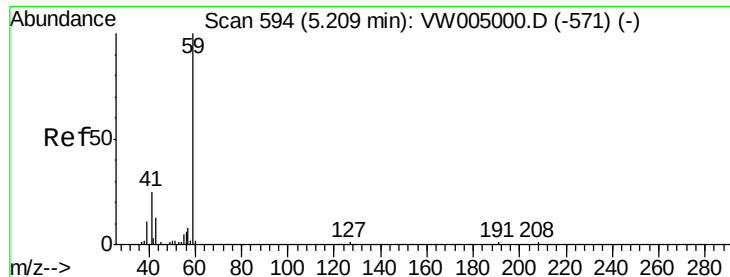
200

100

0

Time-->



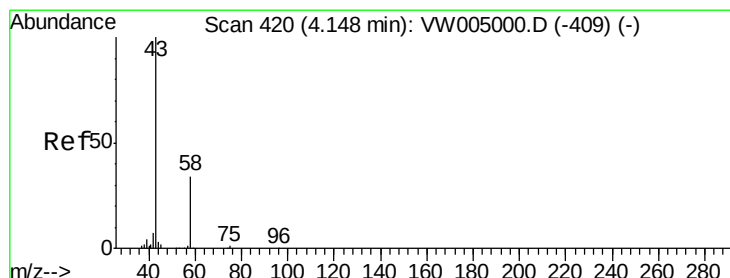
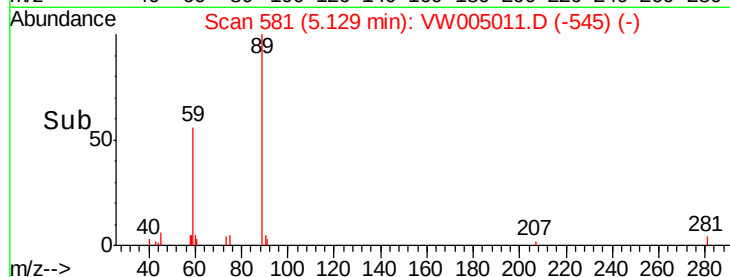
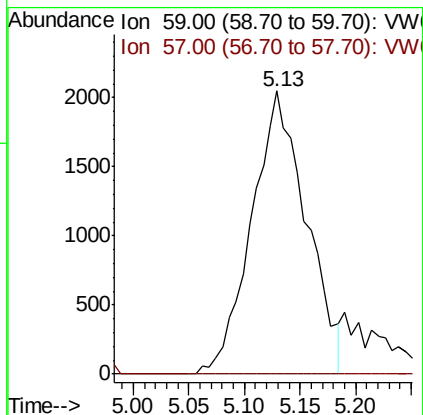
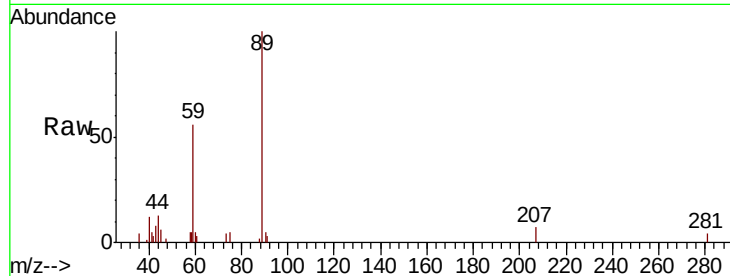


#11

Tert butyl alcohol
 Concen: 25.38 ug/l
 RT: 5.13 min Scan# 581
 Delta R.T. -0.08 min
 Lab File: VW005011.D
 Acq: 30 Aug 2018 12:01

Instrument :
 MSVOA_W
 ClientSampled :

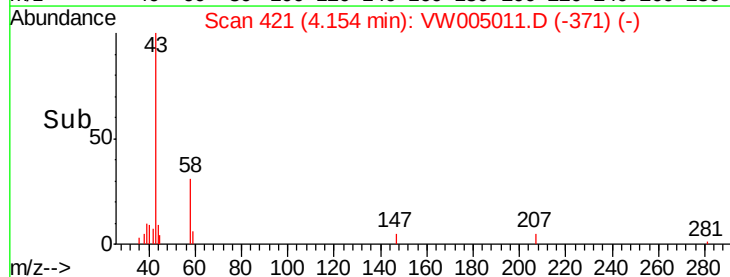
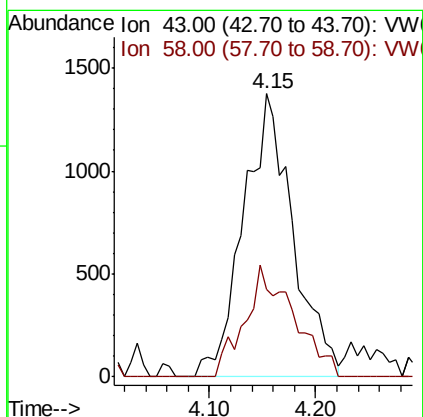
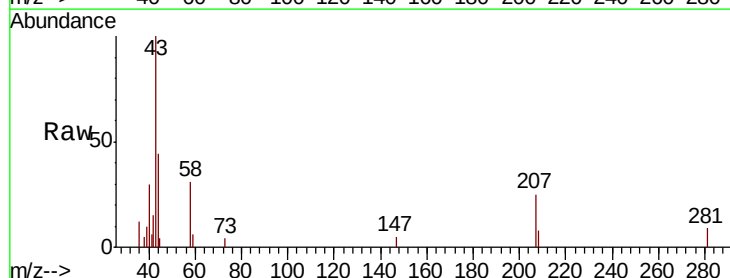
Tot Ion: 59 Resp: 7003
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

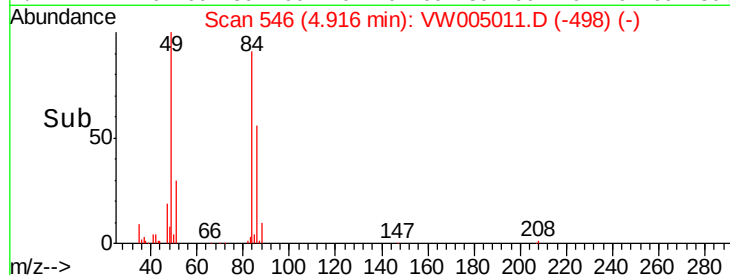
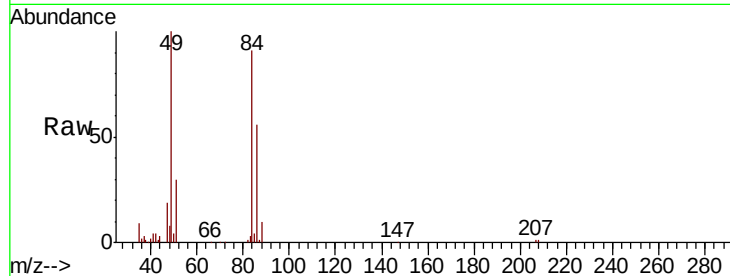
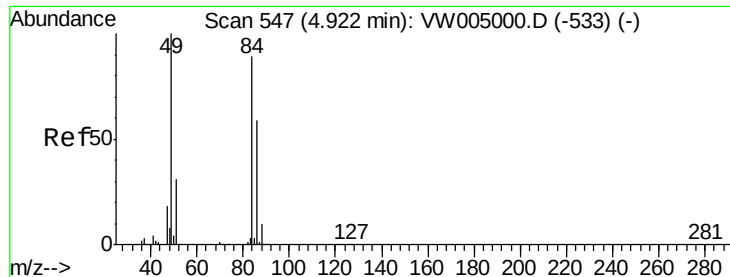


#16

Acetone
 Concen: 5.21 ug/l
 RT: 4.15 min Scan# 421
 Delta R.T. 0.01 min
 Lab File: VW005011.D
 Acq: 30 Aug 2018 12:01

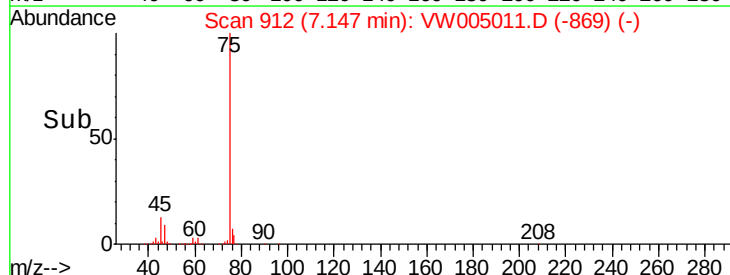
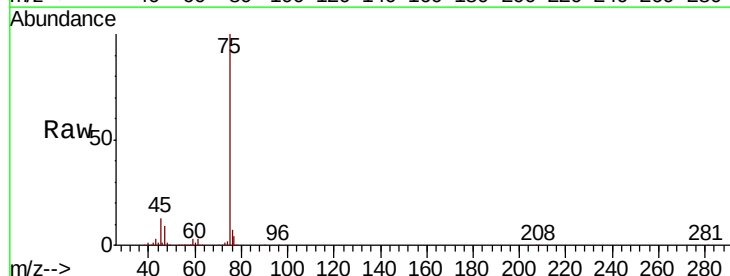
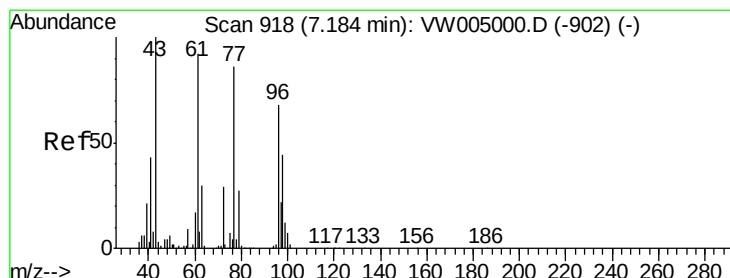
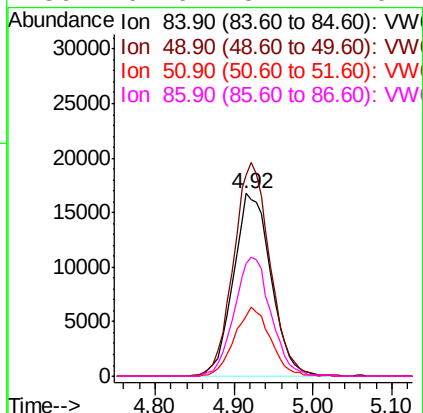
Tgt Ion: 43 Resp: 4477
 Ion Ratio Lower Upper
 43 100
 58 30.8 27.2 40.8





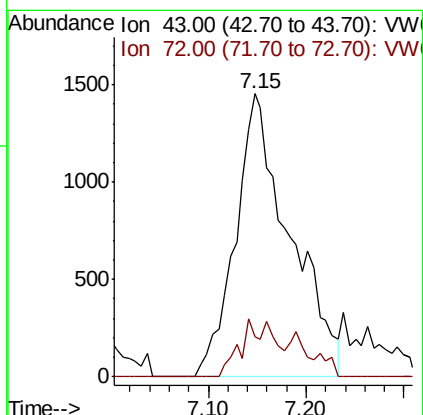
#20
Methvlene Chloride
Concen: 4.99 ug/l
RT: 4.92 min Scan# 546
Delta R.T. -0.01 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

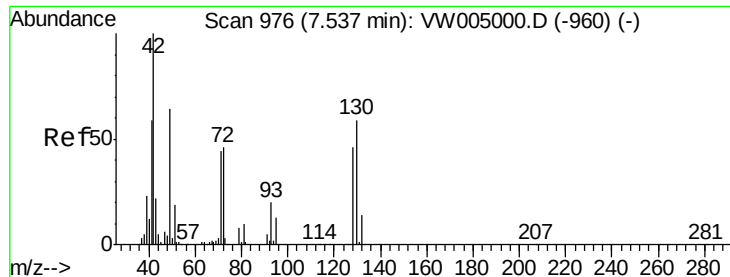
Tot Ion:	84	Resp:	55449
Ion	Ratio	Lower	Upper
84	100		
49	109.9	89.7	134.5
51	33.2	27.5	41.3
86	61.6	52.7	79.1



#25
2-Butanone
Concen: 4.18 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.04 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

Tgt Ion:	43	Resp:	5592
Ion	Ratio	Lower	Upper
43	100		
72	14.1	23.4	35.2#





#29

Tetrahydrofuran

Concen: 2.18 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

Instrument :

MSVOA_W

ClientSampled :

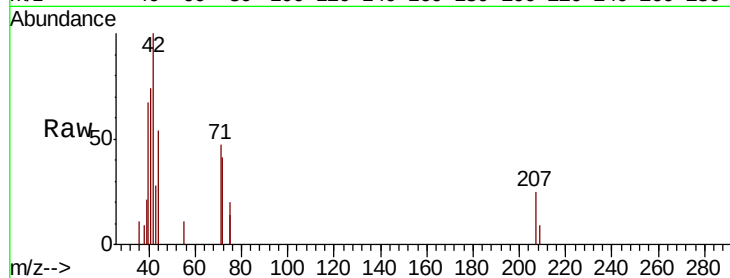
Tot Ion: 42 Resp: 1474

Ion Ratio Lower Upper

42 100

72 40.8 36.6 55.0

71 38.9 35.4 53.2



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

7.54

600

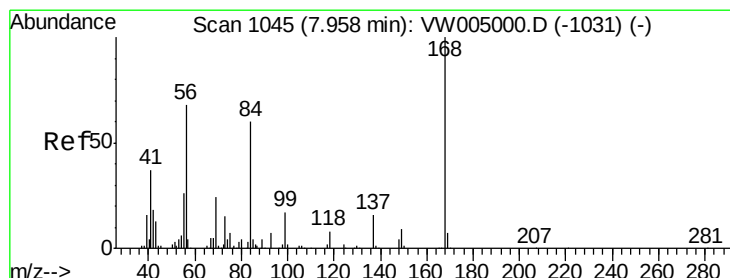
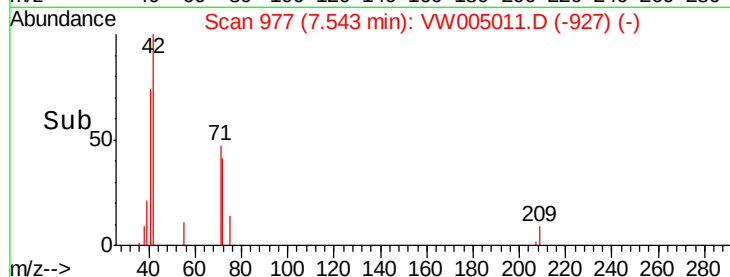
400

200

0

7.45 7.50 7.55 7.60 7.65

Time-->



#31

Cyclohexane

Concen: 1.24 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

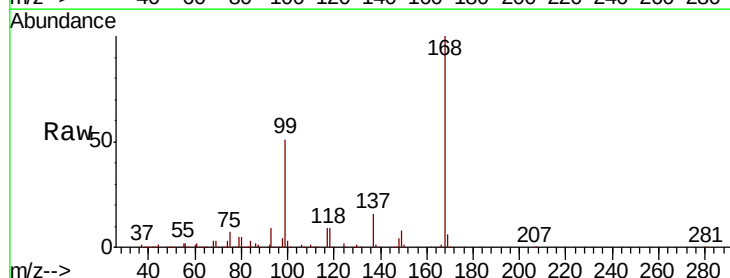
Tgt Ion: 56 Resp: 10121

Ion Ratio Lower Upper

56 100

69 167.4 27.9 41.9#

84 150.5 70.5 105.7#



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

7.95

10000

8000

6000

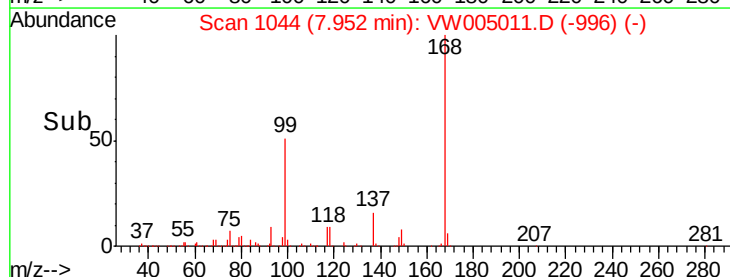
4000

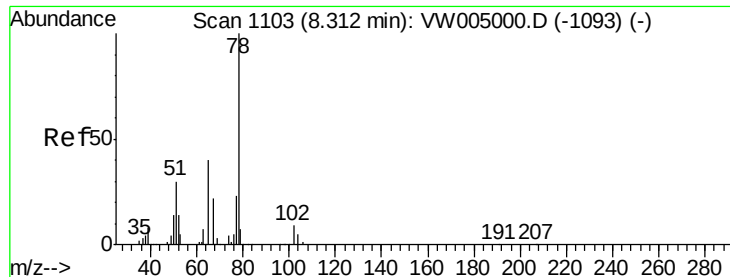
2000

0

7.85 7.90 7.95 8.00 8.05

Time-->

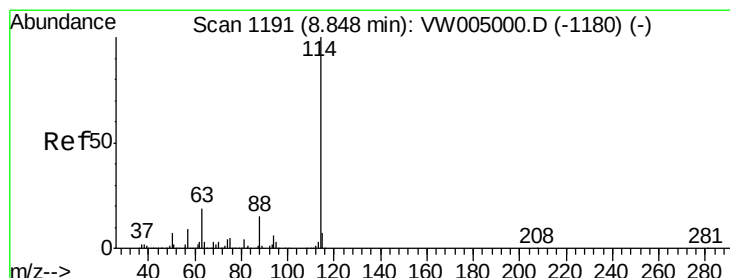
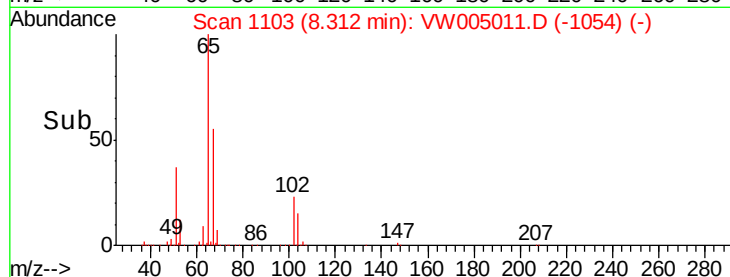
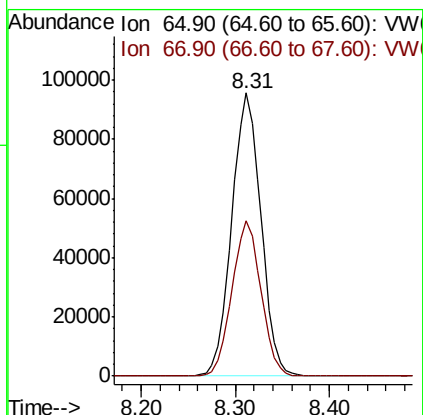
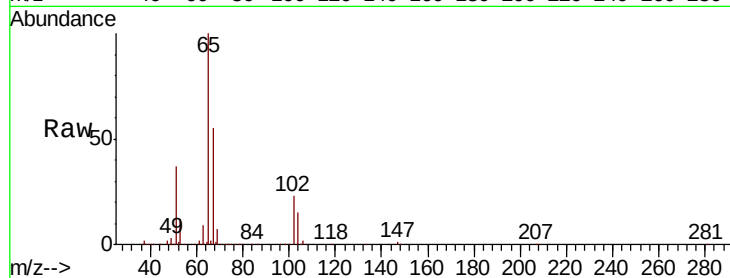




#33
 1,2-Dichloroethane-d4
 Concen: 54.08 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005011.D
 Acq: 30 Aug 2018 12:01

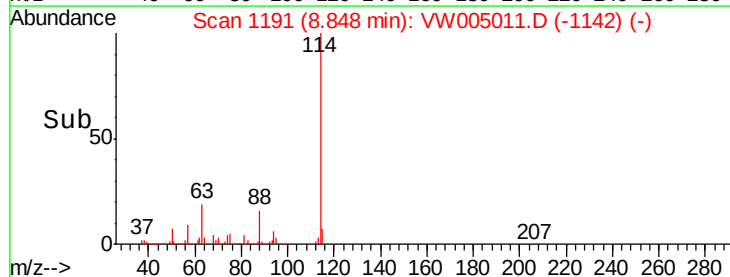
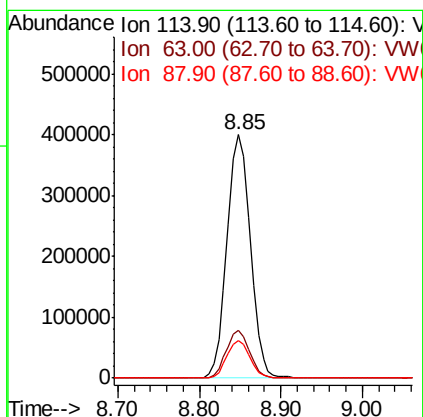
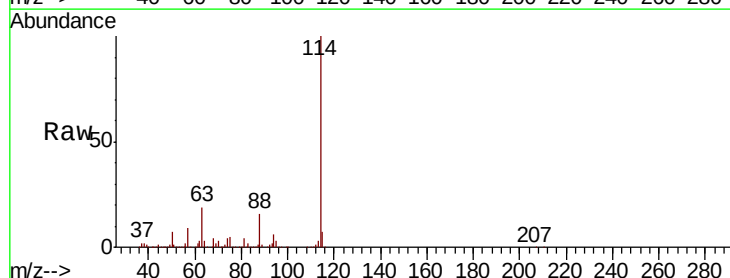
Instrument :
 MSVOA_W
 ClientSampleId :

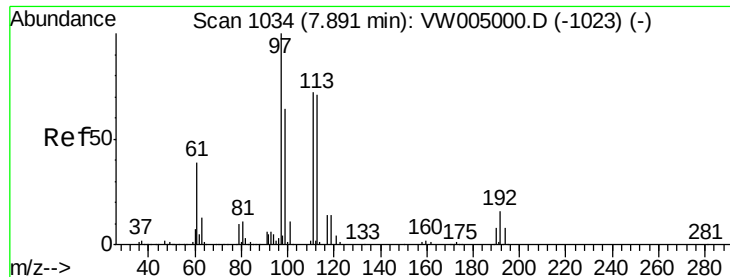
Tot Ion: 65 Resp: 205918
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005011.D
 Acq: 30 Aug 2018 12:01

Tgt Ion: 114 Resp: 793690
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.35 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

Instrument :
MSVOA_W
ClientSampleId :

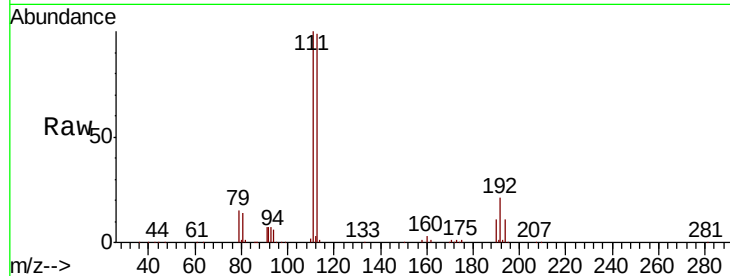
Tot Ion:113 Resp: 209844

Ion Ratio Lower Upper

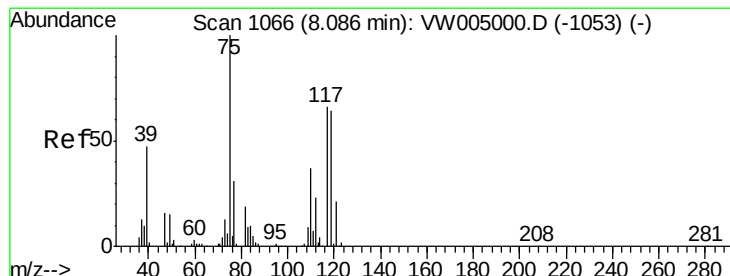
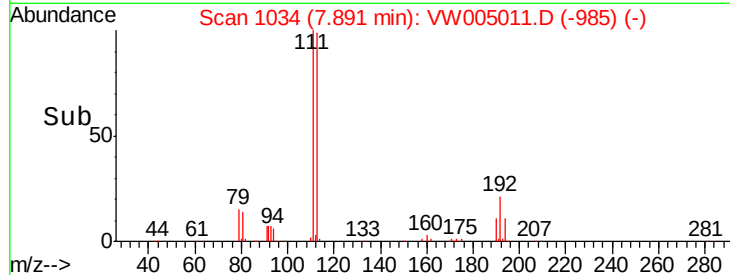
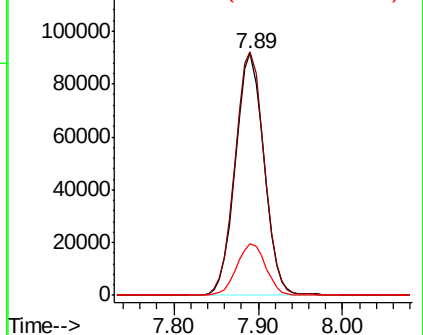
113 100

111 102.0 81.3 121.9

192 21.5 17.8 26.8



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: 5.61 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

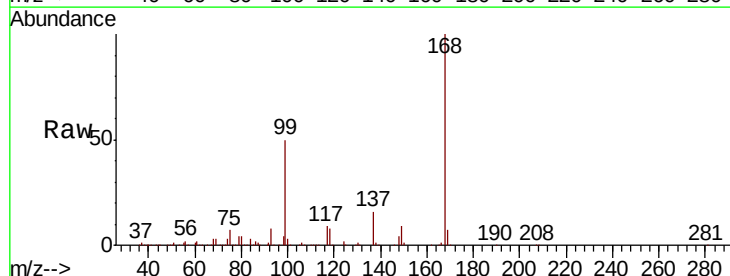
Tgt Ion: 75 Resp: 37706

Ion Ratio Lower Upper

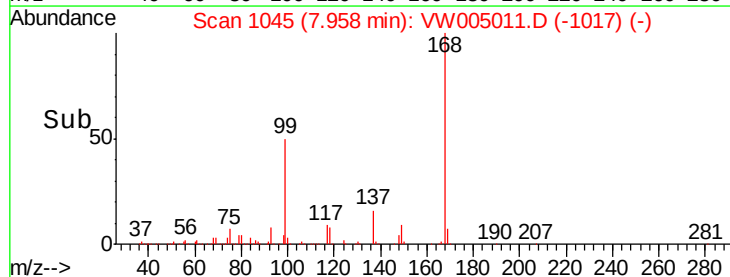
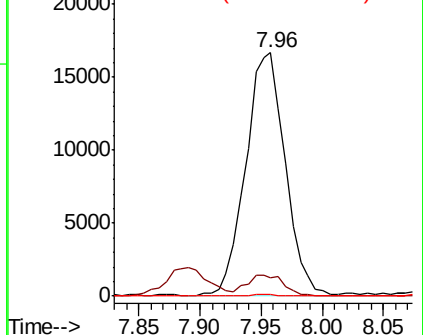
75 100

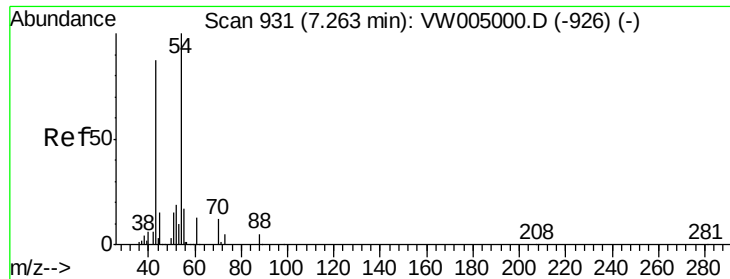
110 8.0 18.7 56.1#

77 0.3 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

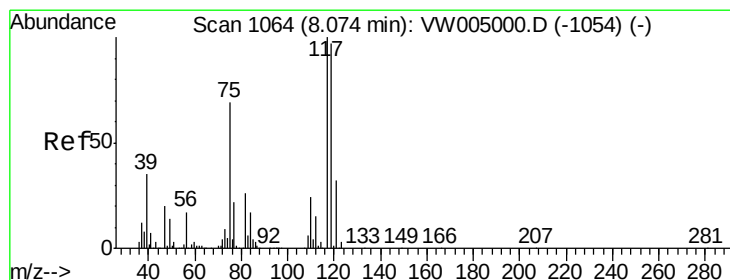
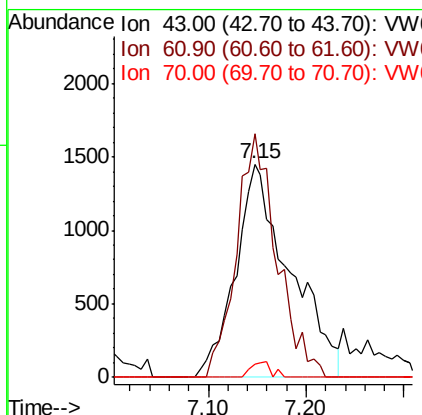
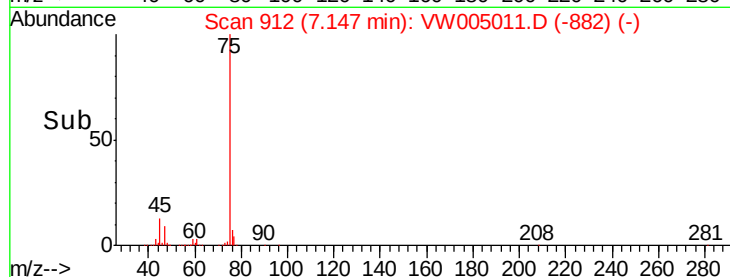
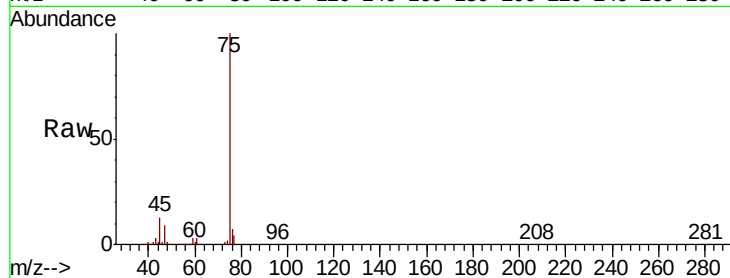




#37
Ethyl Acetate
Concen: 2.31 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.12 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

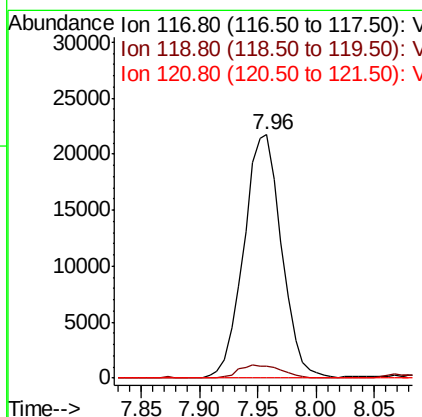
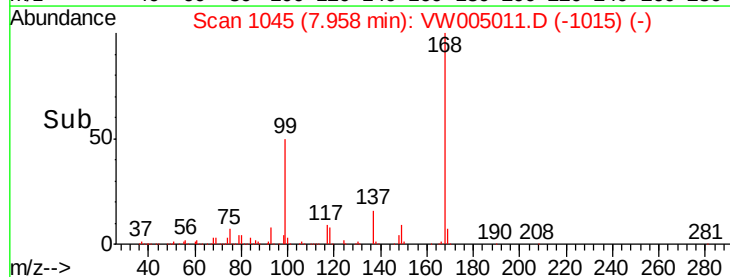
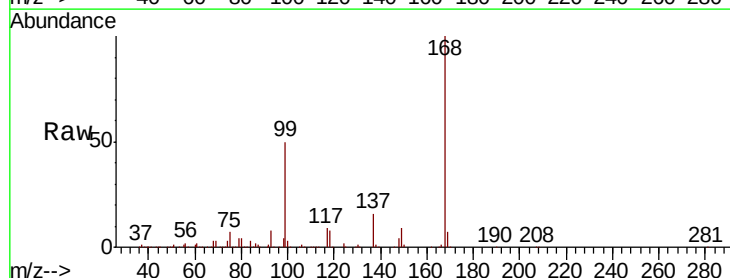
Instrument :
MSVOA_W
ClientSampleId :

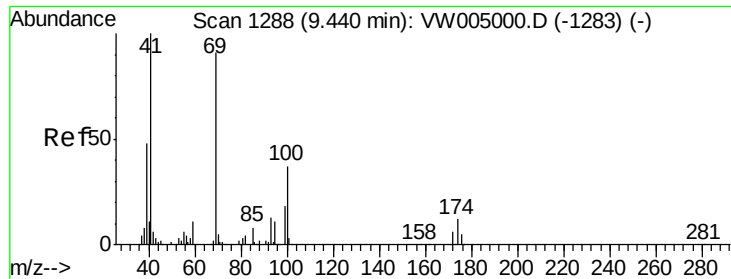
Tot Ion: 43 Resp: 5592
Ion Ratio Lower Upper
43 100
61 84.7 12.3 18.5#
70 2.7 9.7 14.5#



#38
Carbon Tetrachloride
Concen: 7.55 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.12 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

Tgt Ion: 117 Resp: 49160
Ion Ratio Lower Upper
117 100
119 5.1 77.8 116.8#
121 0.0 25.2 37.8#

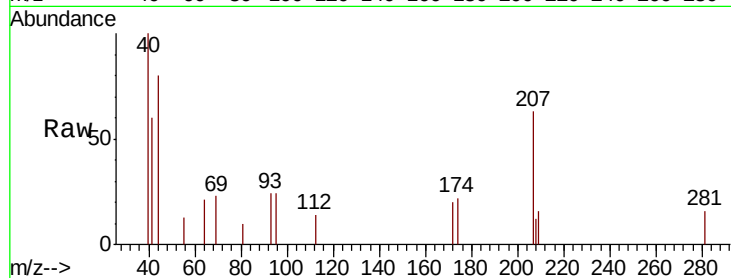




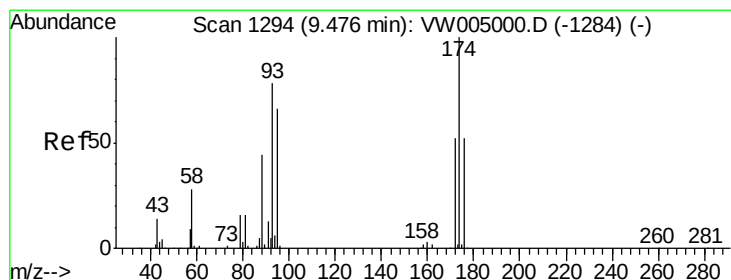
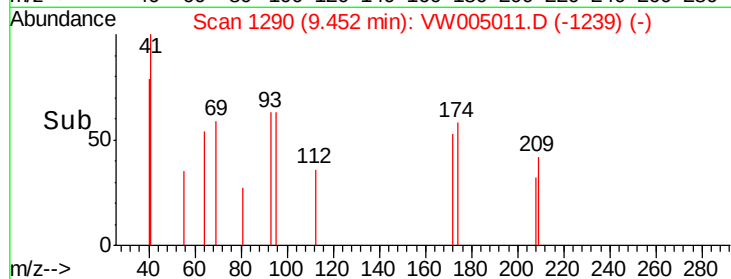
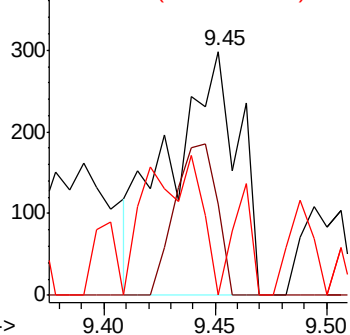
#48
Methyl methacrylate
Concen: 2.90 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 643
Ion Ratio Lower Upper
41 100
69 38.1 72.5 108.7#
39 44.3 37.0 55.6

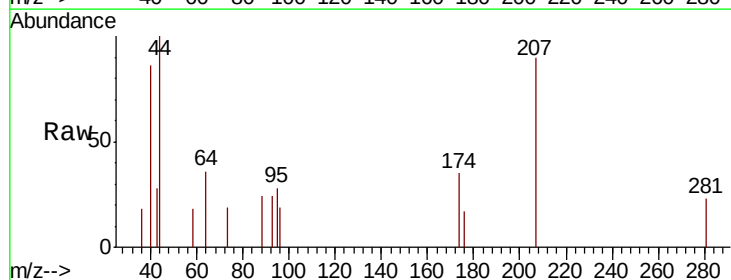


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

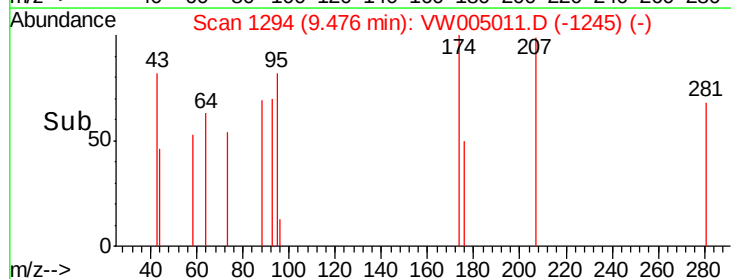
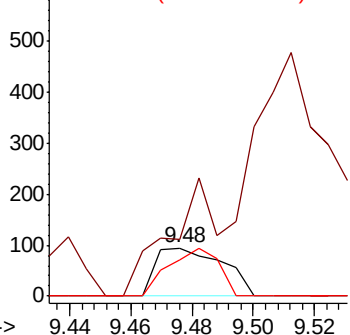


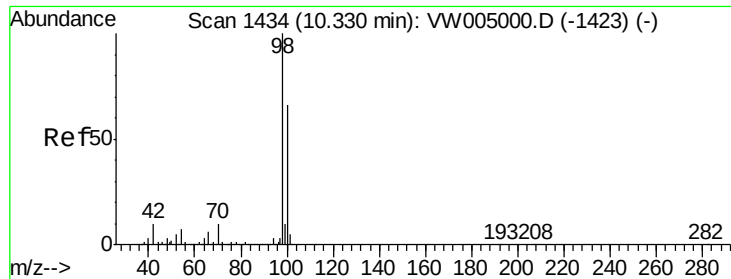
#49
1,4-Dioxane
Concen: 2.96 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

Tgt Ion: 88 Resp: 143
Ion Ratio Lower Upper
88 100
43 169.2 0.0 0.0#
58 74.8 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

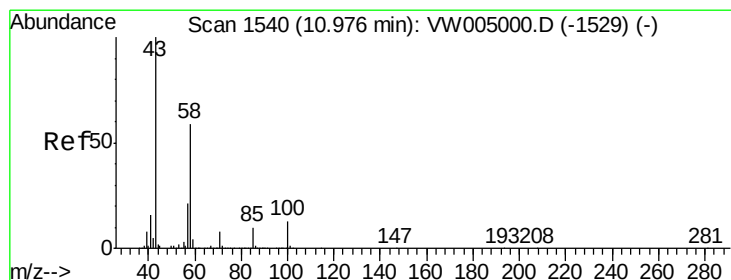
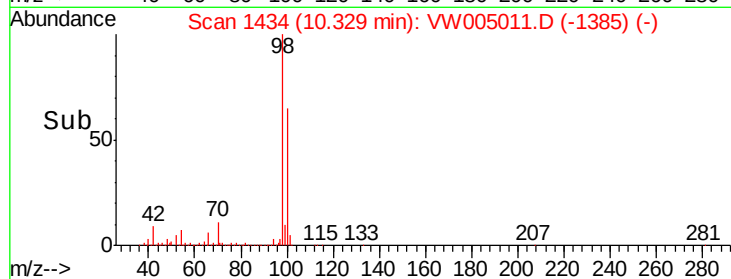
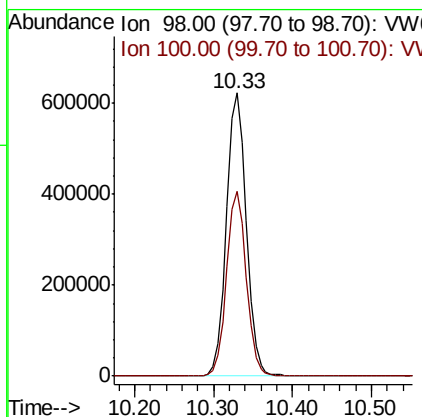
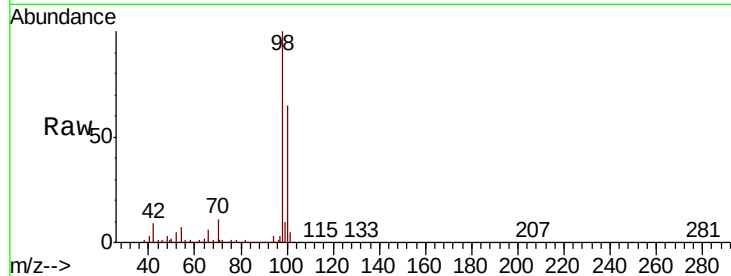




#50
Toluene-d8
Concen: 50.72 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

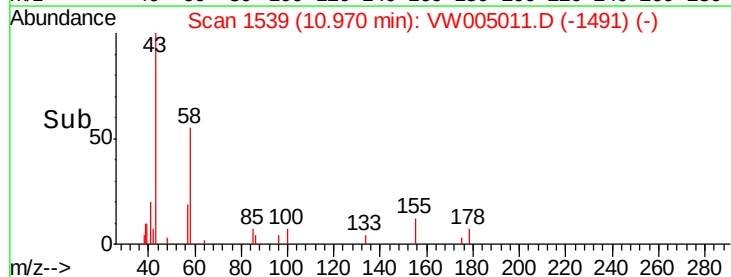
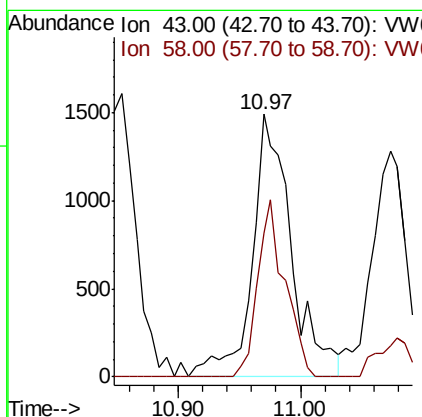
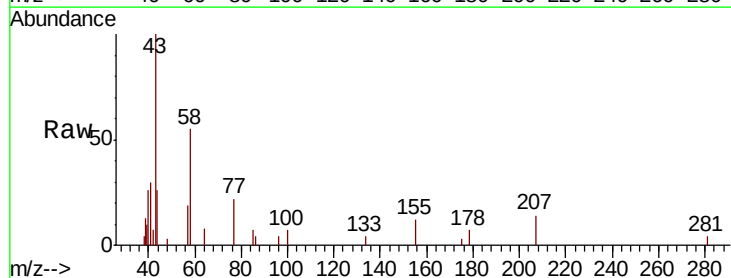
Instrument :
MSVOA_W
ClientSampleId :

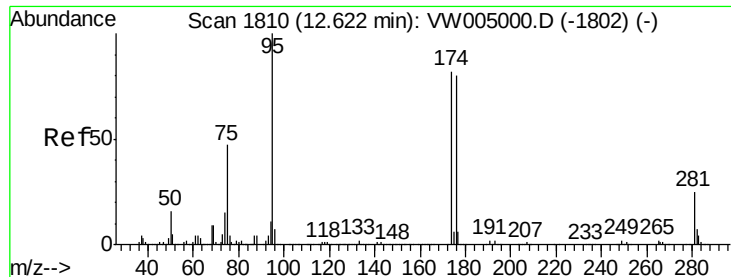
Tot Ion: 98 Resp: 1095120
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#59
2-Hexanone
Concen: 1.28 ug/l
RT: 10.97 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VW005011.D
Acq: 30 Aug 2018 12:01

Tgt Ion: 43 Resp: 3336
Ion Ratio Lower Upper
43 100
58 47.1 29.2 87.6





#62

4-Bromofluorobenzene

Concen: 49.90 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

Instrument :

MSVOA_W

ClientSampleId :

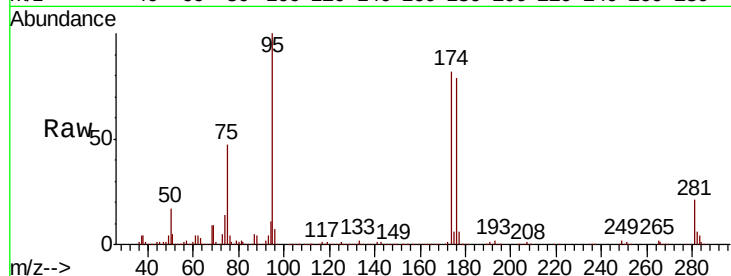
Tot Ion: 95 Resp: 392865

Ion Ratio Lower Upper

95 100

174 85.8 0.0 173.4

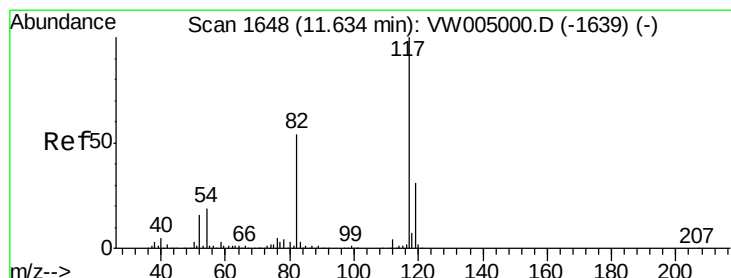
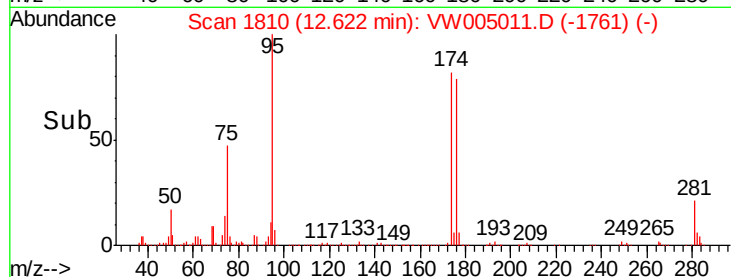
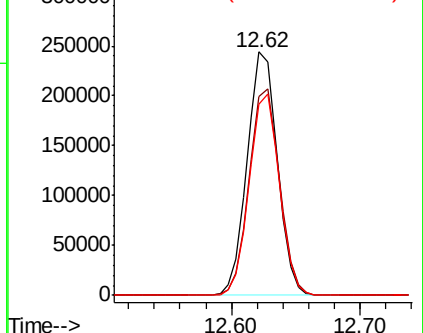
176 82.8 0.0 167.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

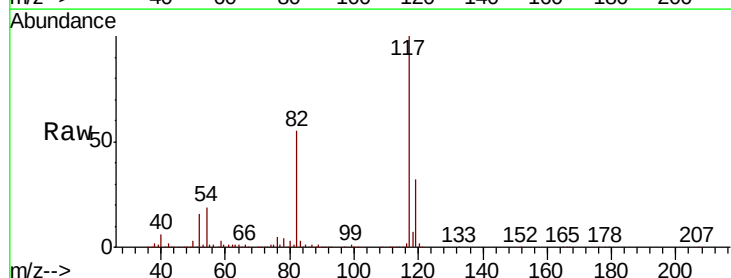
Tgt Ion: 117 Resp: 815502

Ion Ratio Lower Upper

117 100

82 54.6 43.3 64.9

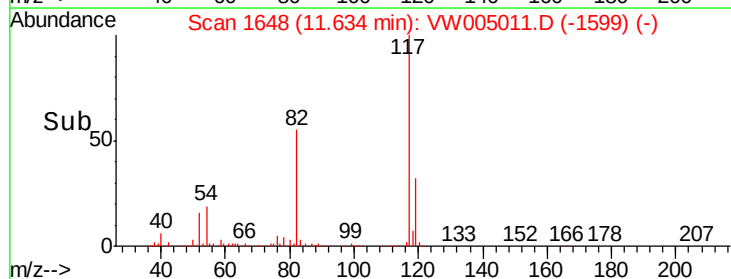
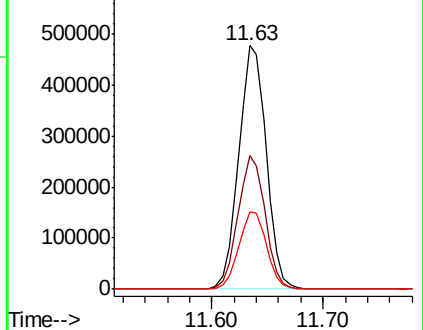
119 31.8 25.0 37.6

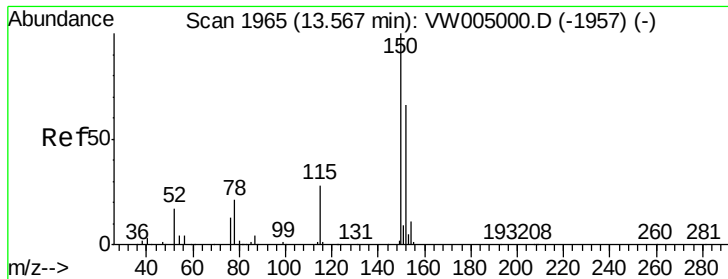


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

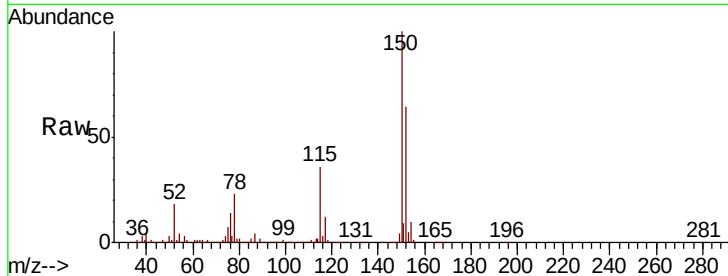




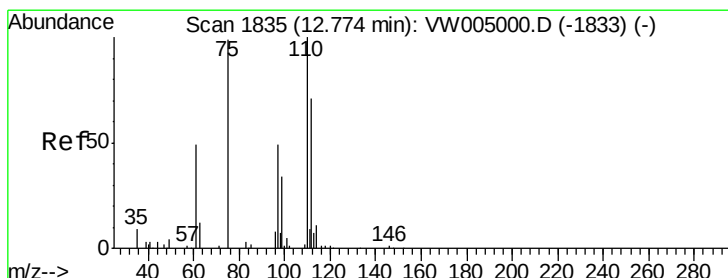
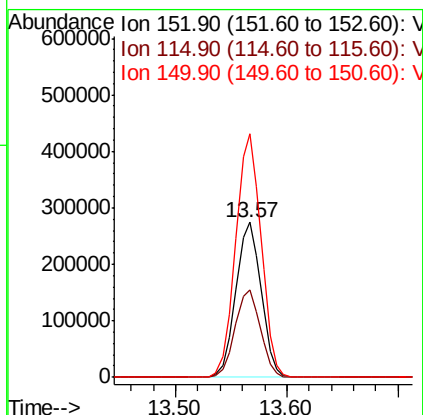
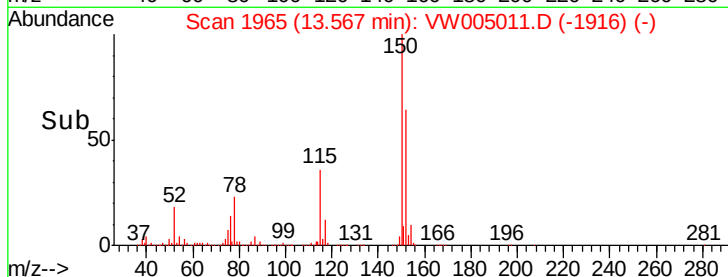
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW005011.D
 Acq: 30 Aug 2018 12:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	83.9
150	158.2	0.0	347.2

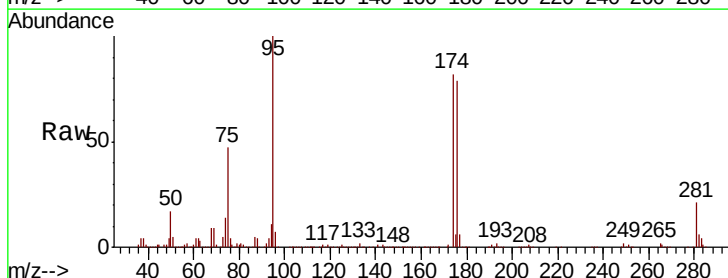


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

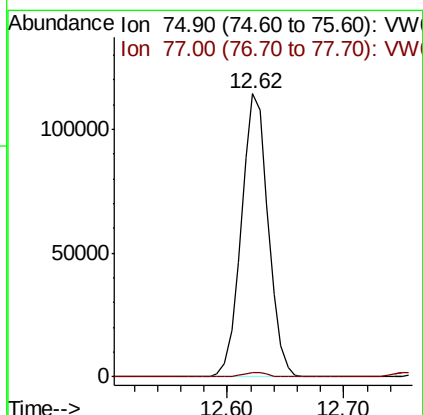
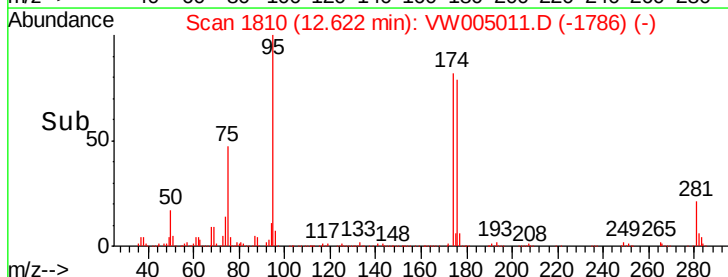


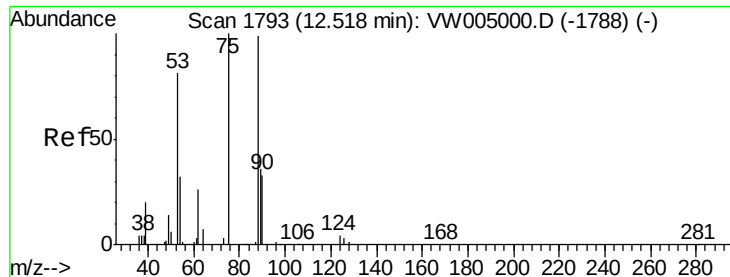
#76
 1,2,3-Trichloropropane
 Concen: 60.77 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW005011.D
 Acq: 30 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 137.34 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

Instrument :

MSVOA_W

ClientSampleId :

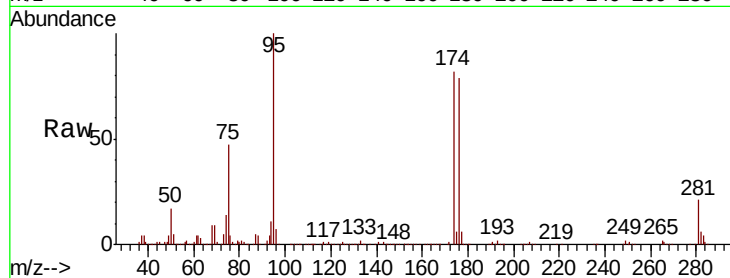
Tot Ion: 75 Resp: 184730

Ion Ratio Lower Upper

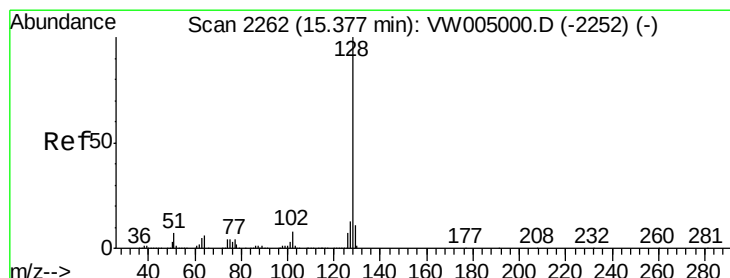
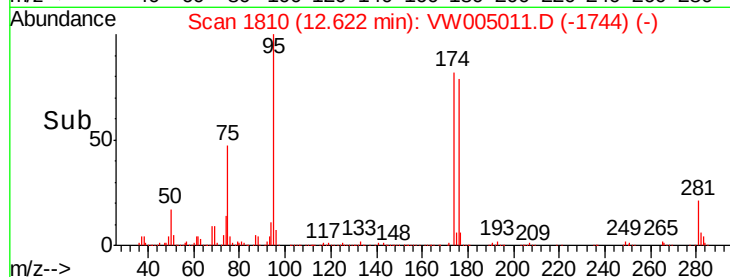
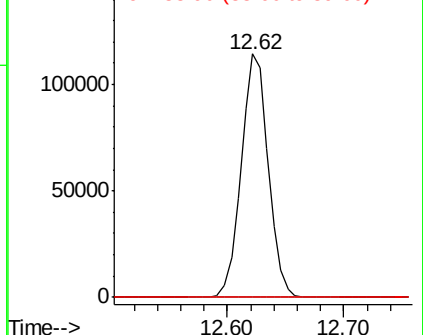
75 100

53 0.2 67.4 101.2#

89 0.3 35.0 52.6#



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



#95

Naphthalene

Concen: 4.94 ug/l

RT: 15.37 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VW005011.D

Acq: 30 Aug 2018 12:01

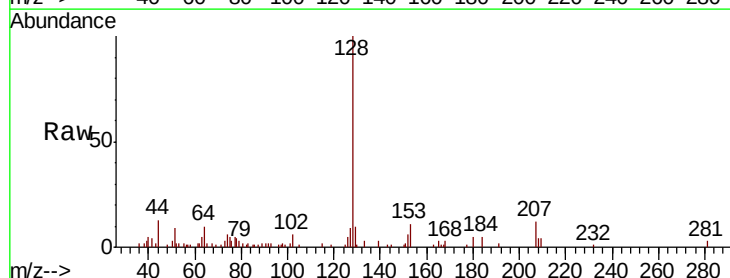
Tgt Ion: 128 Resp: 12723

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

129 12.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

