

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002577.D
 Acq On : 16 May 2018 04:18
 Operator : JC/SY
 Sample : J2785-04
 Misc : 5.07G/10ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-2A

Quant Time: May 16 05:54:45 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	101645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	160820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	104654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43208	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	52431	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	7.88	113	46984	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
50) Toluene-d8	10.33	98	95355	24.57	ug/l	0.00
Spiked Amount			Recovery	=	49.14%	
62) 4-Bromofluorobenzene	12.63	95	39854	28.08	ug/l	0.00
Spiked Amount			Recovery	=	56.16%	

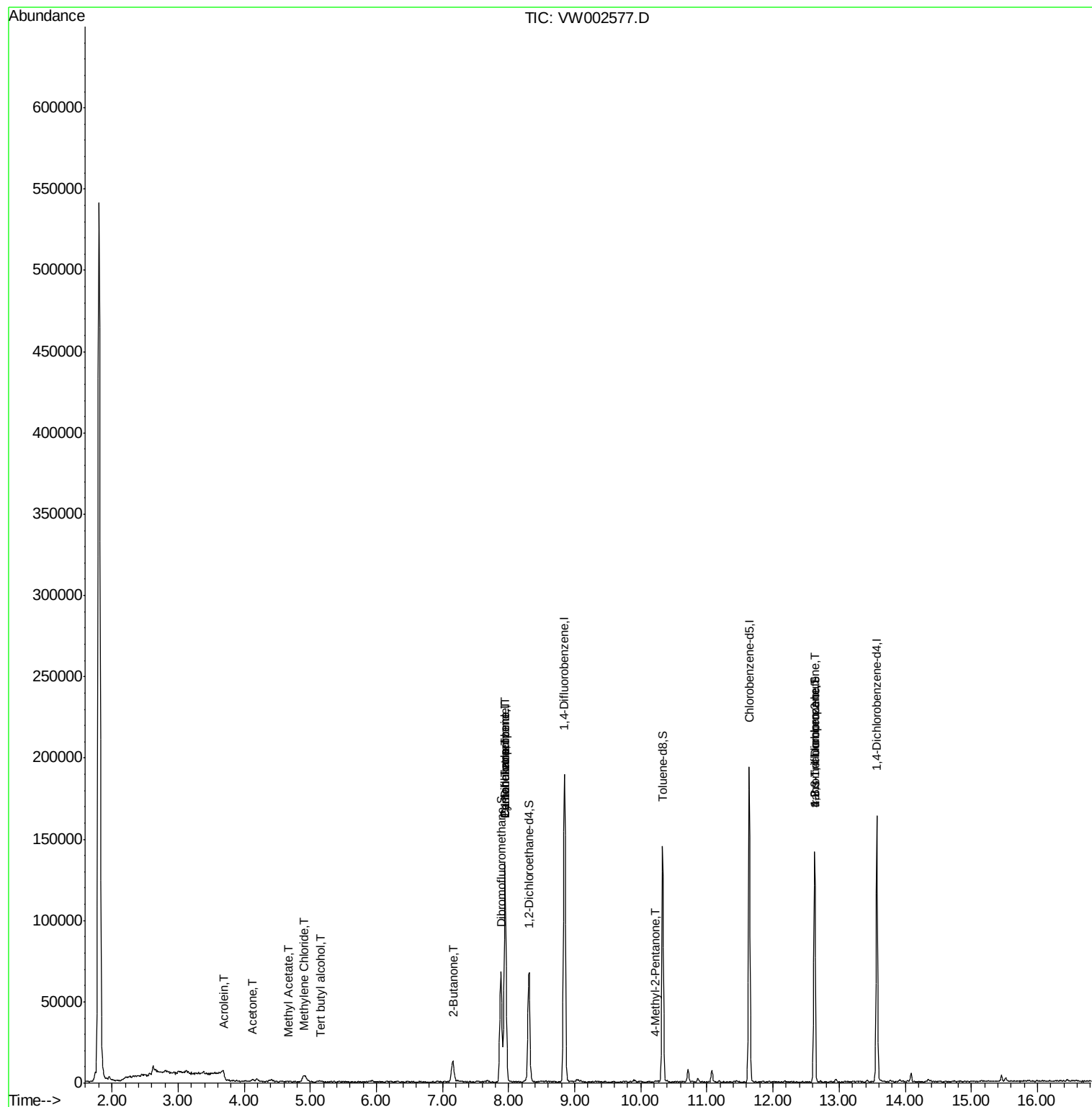
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	106	1.31	ug/l #	72
13) Acrolein	3.70	56	82	1.03	ug/l #	67
16) Acetone	4.13	43	2330	10.51	ug/l	99
18) Methyl Acetate	4.67	43	1156	1.79	ug/l #	64
20) Methylene Chloride	4.90	84	3491	1.28	ug/l #	92
25) 2-Butanone	7.15	43	1407	4.49	ug/l #	49
31) Cyclohexane	7.95	56	2368	1.59	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	7725	5.44	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9995	7.19	ug/l #	18
51) 4-Methyl-2-Pentanone	10.23	43	754	1.01	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	20550	50.31	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	20550	137.18	ug/l #	8

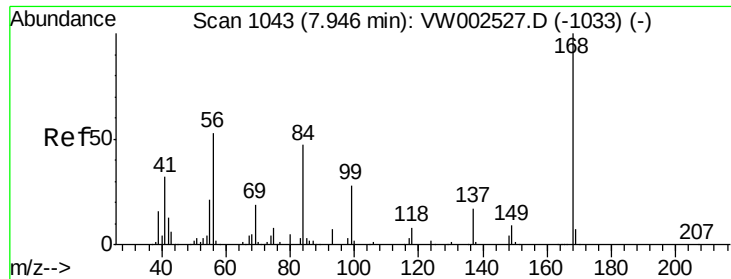
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002577.D

Acq: 16 May 2018 04:18

Instrument :

MSVOA_W

ClientSampled :

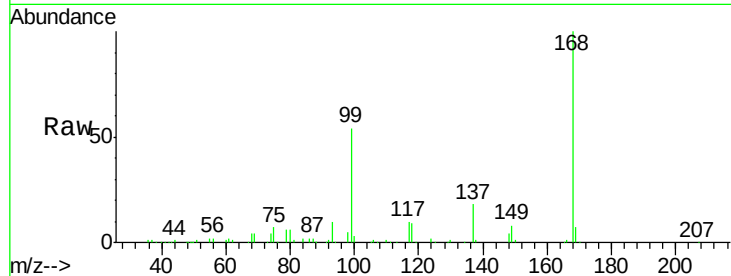
BP-2A

Tgt Ion: 168 Resp: 101645

Ion Ratio Lower Upper

168 100

99 54.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

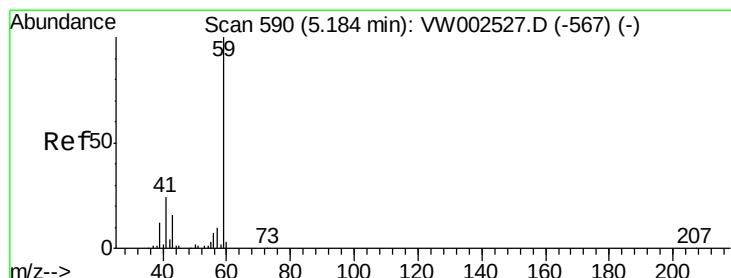
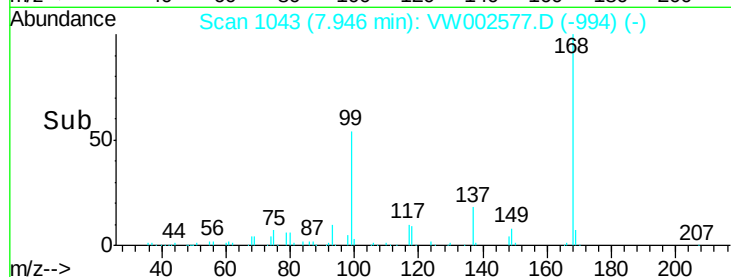
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.31 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.02 min

Lab File: VW002577.D

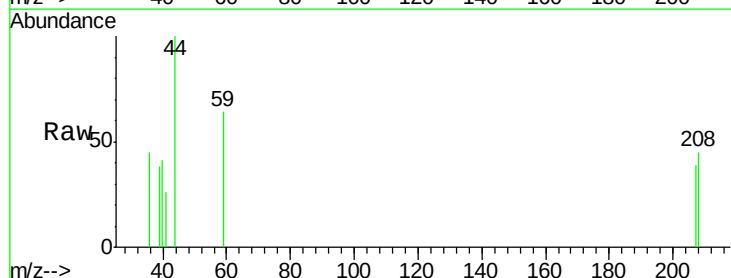
Acq: 16 May 2018 04:18

Tgt Ion: 59 Resp: 106

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

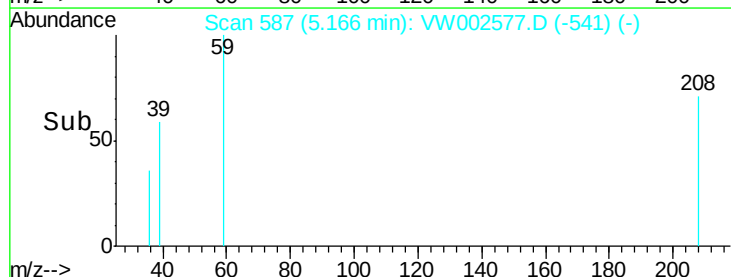
150

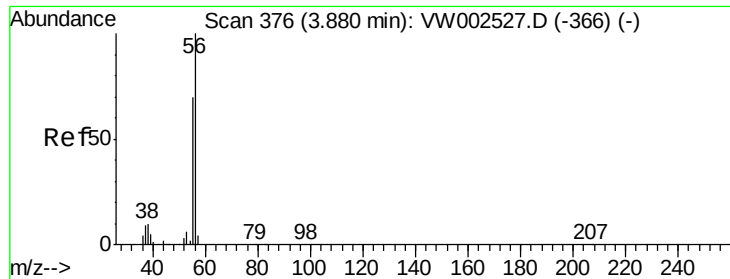
100

50

0

Time-->





#13

Acrolein

Concen: 1.03 ug/l

RT: 3.70 min Scan# 347

Delta R.T. -0.18 min

Lab File: VW002577.D

Acq: 16 May 2018 04:18

Instrument :

MSVOA_W

ClientSampled :

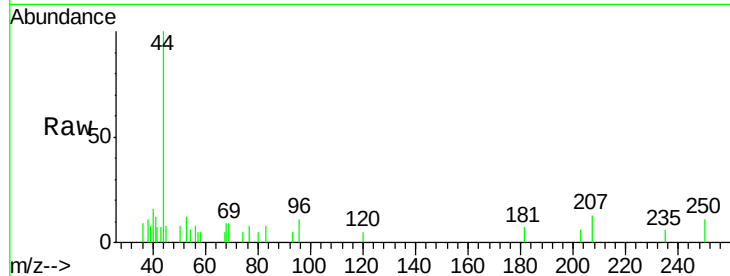
BP-2A

Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

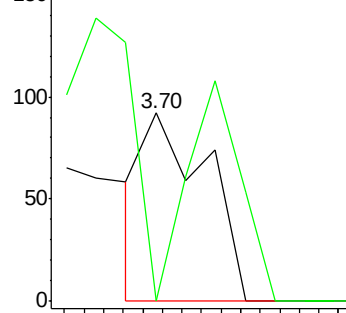
56 100

55 98.8 57.0 85.4#

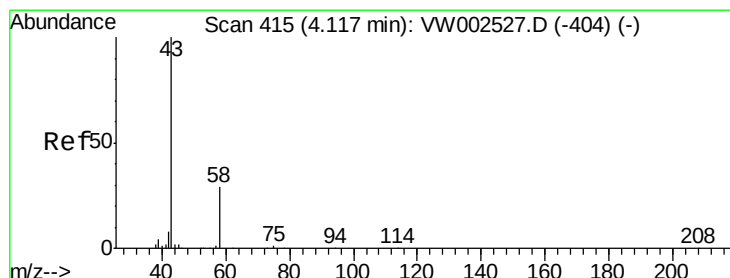
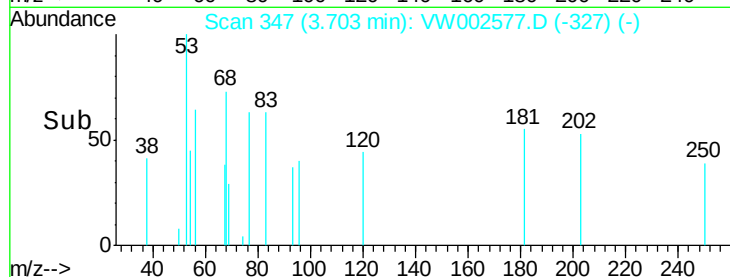


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: 10.51 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002577.D

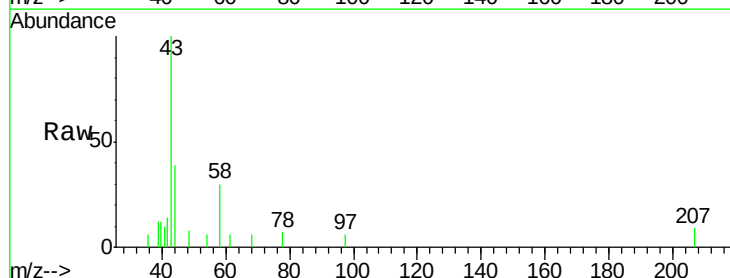
Acq: 16 May 2018 04:18

Tgt Ion: 43 Resp: 2330

Ion Ratio Lower Upper

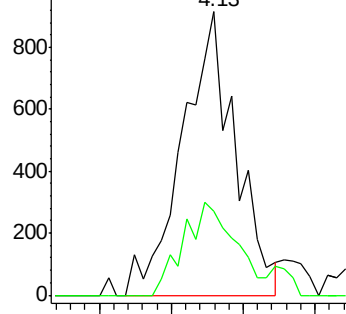
43 100

58 29.5 23.4 35.0

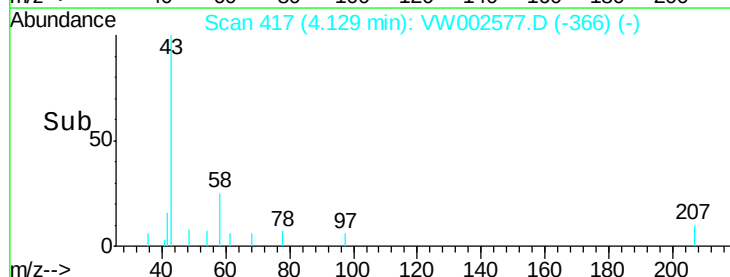


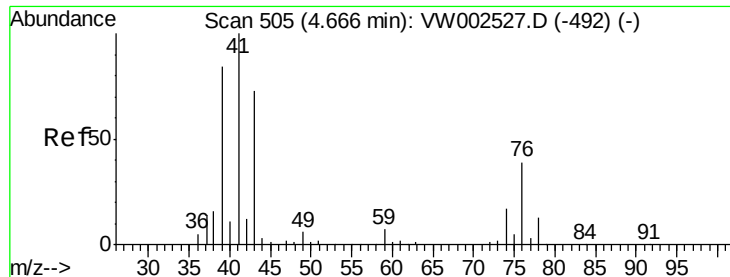
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

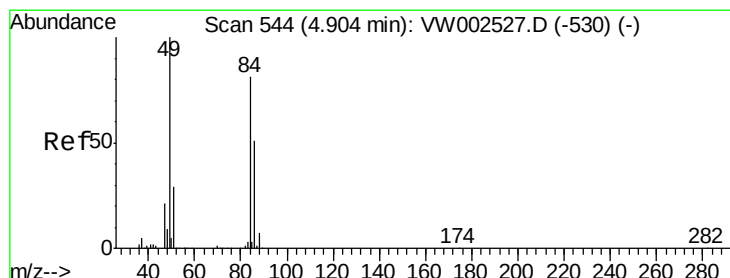
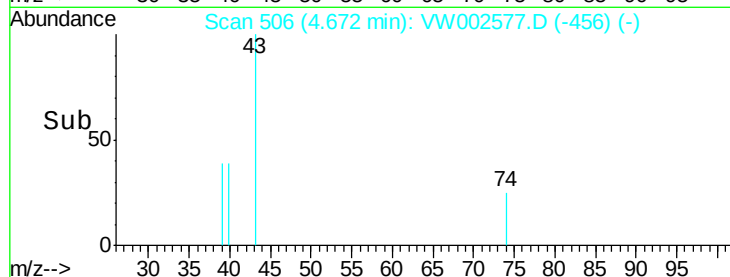
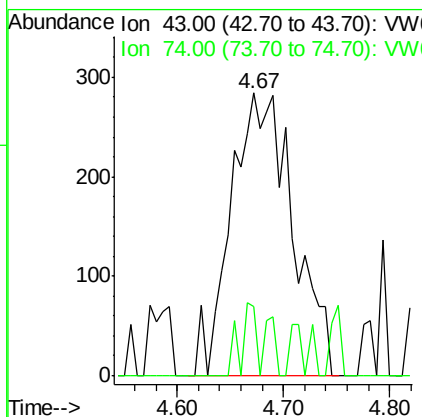
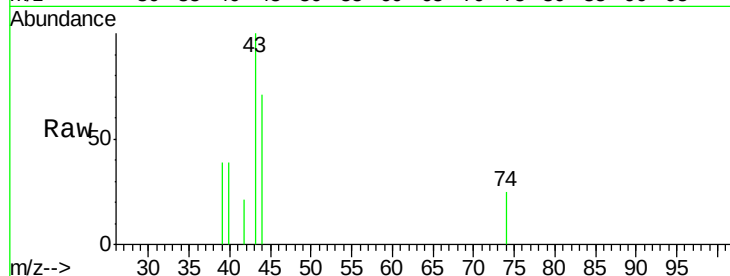




#18
Methyl Acetate
Concen: 1.79 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

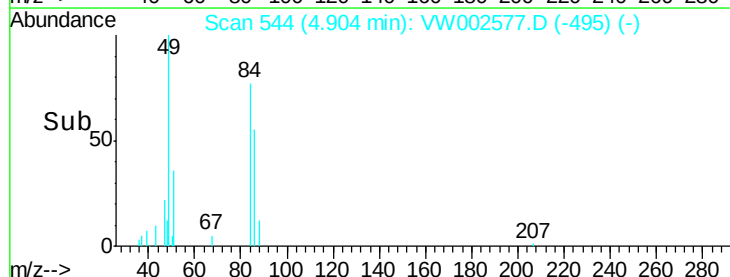
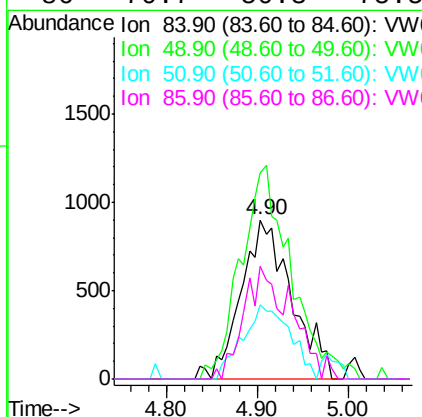
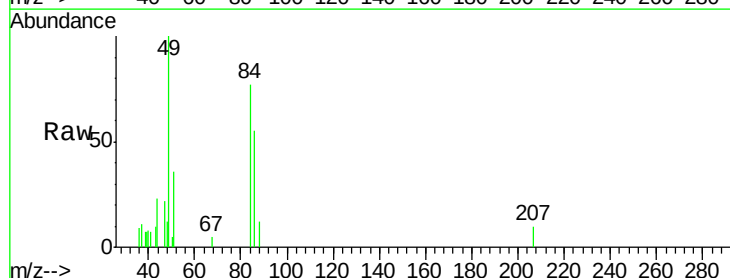
Instrument :
MSVOA_W
ClientSampled :
BP-2A

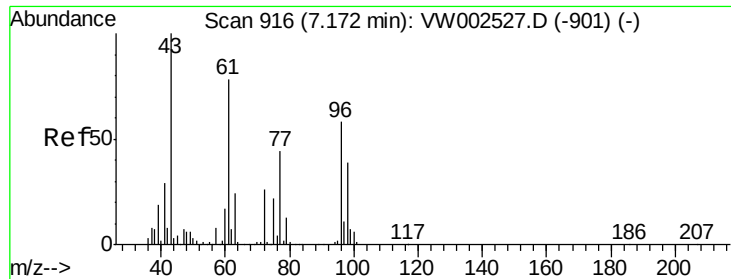
Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
74 6.3 19.2 28.8#



#20
Methylene Chloride
Concen: 1.28 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

Tgt Ion: 84 Resp: 3491
Ion Ratio Lower Upper
84 100
49 129.4 99.4 149.0
51 46.6 29.0 43.6#
86 70.7 50.3 75.5

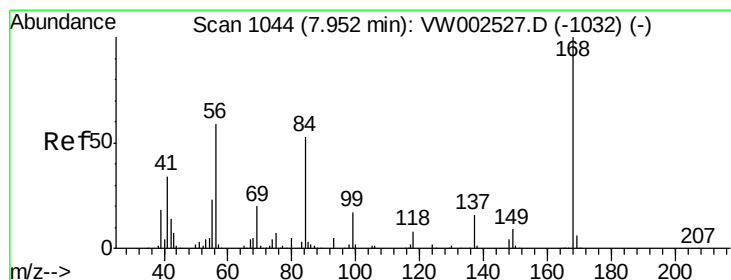
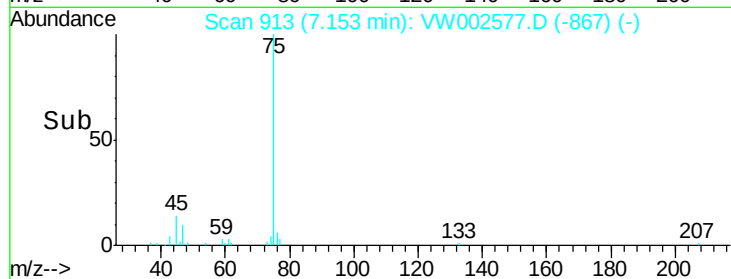
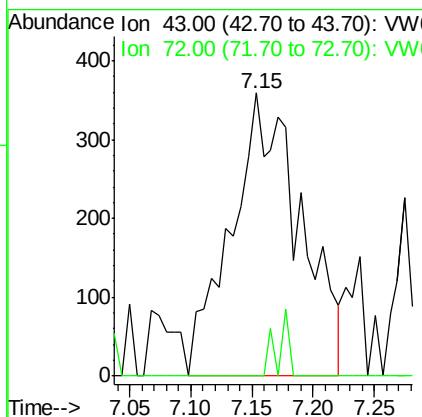
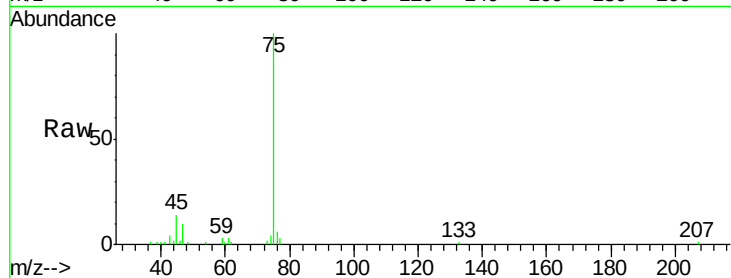




#25
2-Butanone
Concen: 4.49 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

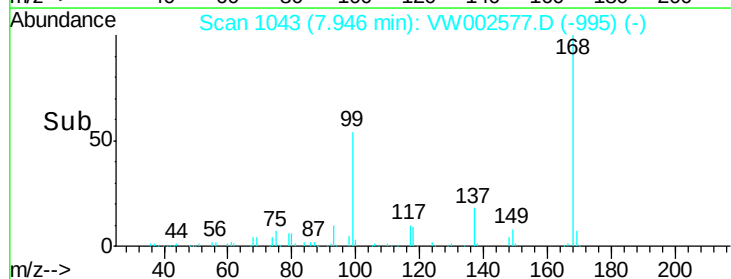
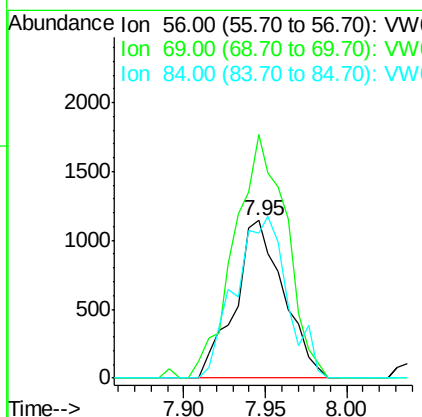
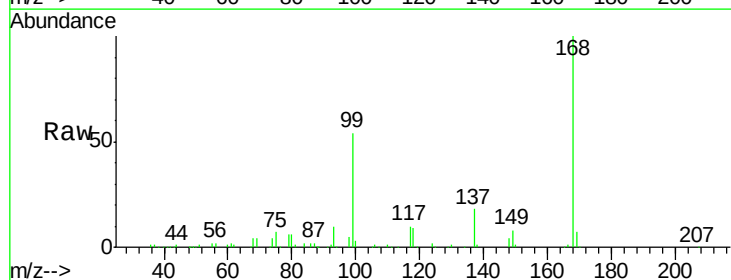
Instrument :
MSVOA_W
ClientSampleId :
BP-2A

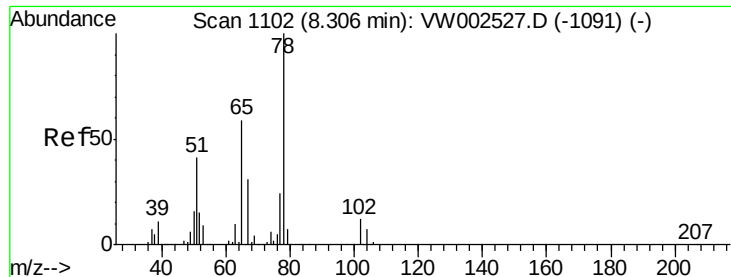
Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#31
Cyclohexane
Concen: 1.59 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

Tgt Ion: 56 Resp: 2368
Ion Ratio Lower Upper
56 100
69 154.8 27.0 40.4#
84 92.6 72.2 108.2

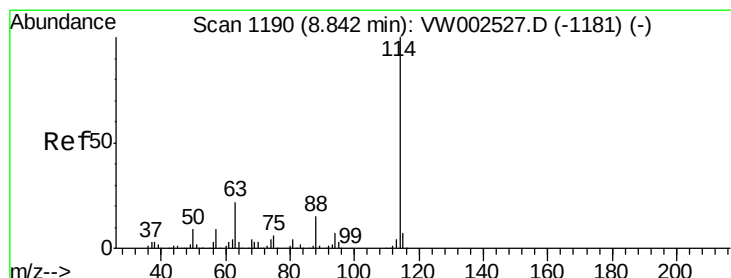
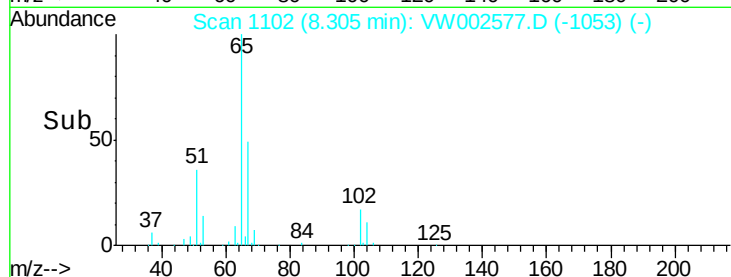
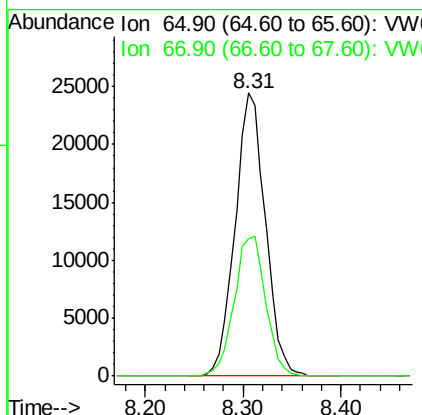
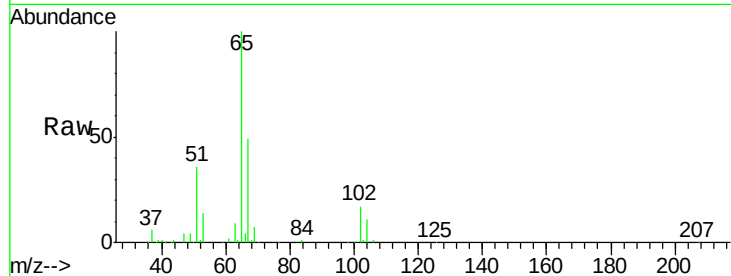




#33
 1,2-Dichloroethane-d4
 Concen: 49.92 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002577.D
 Acq: 16 May 2018 04:18

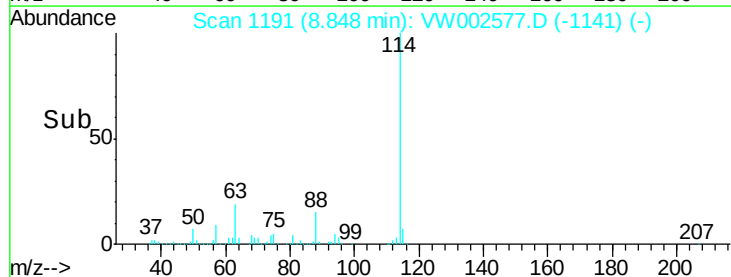
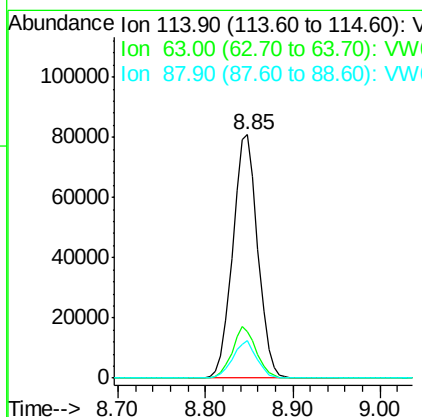
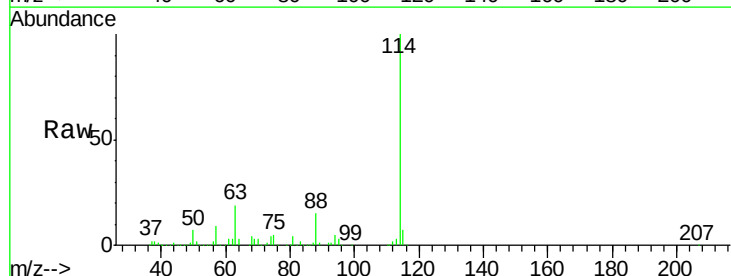
Instrument :
 MSVOA_W
 ClientSampled :
 BP-2A

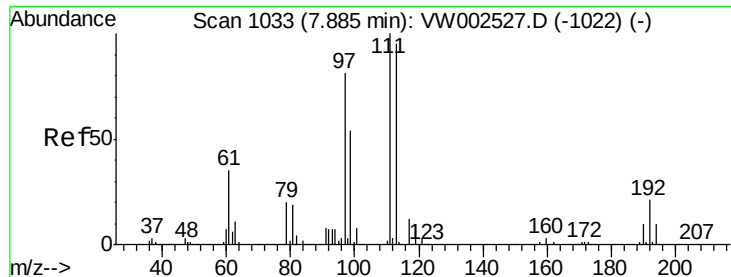
Tgt Ion: 65 Resp: 52431
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002577.D
 Acq: 16 May 2018 04:18

Tgt Ion: 114 Resp: 160820
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.2
 88 15.3 0.0 29.2

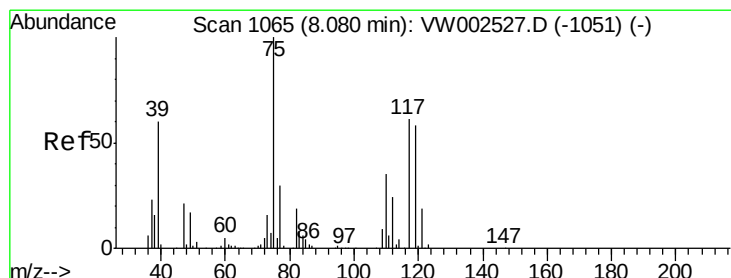
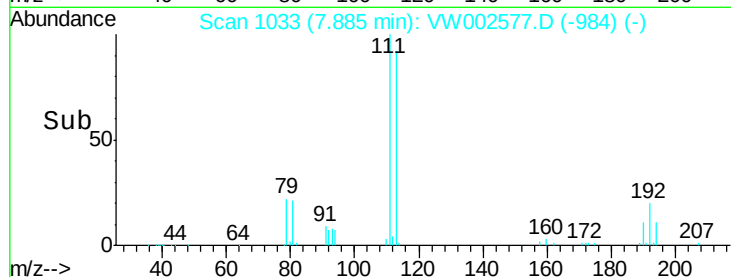
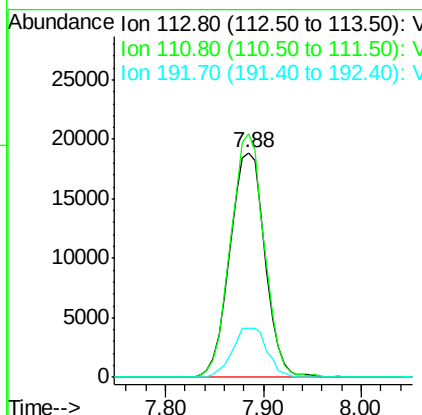
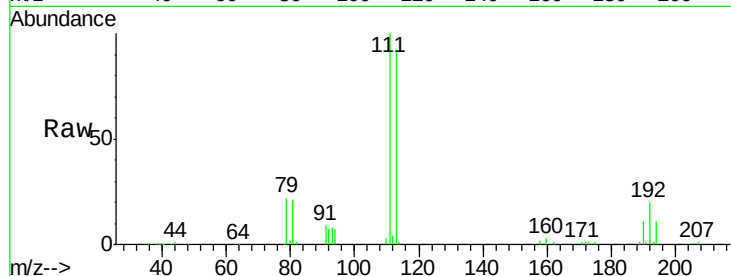




#35
 Dibromofluoromethane
 Concen: 46.05 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002577.D
 Acq: 16 May 2018 04:18

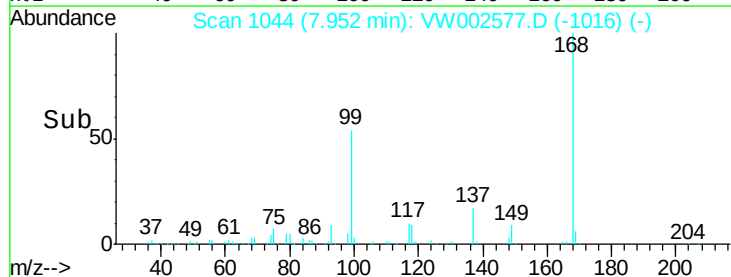
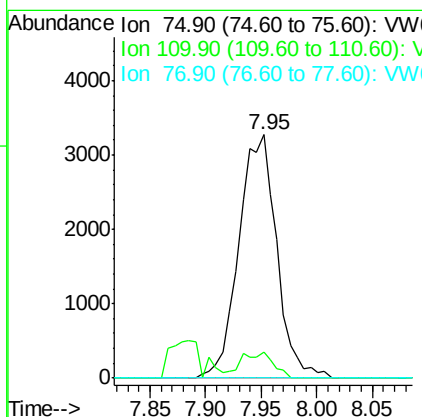
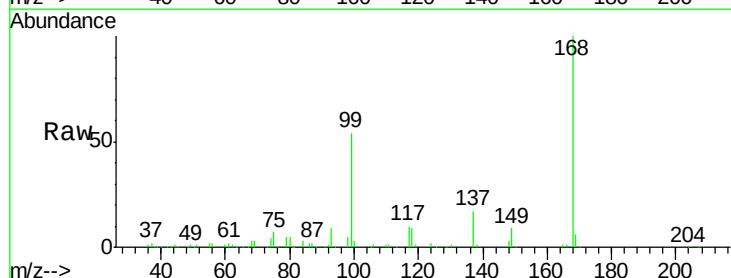
Instrument :
 MSVOA_W
 ClientSampled :
 BP-2A

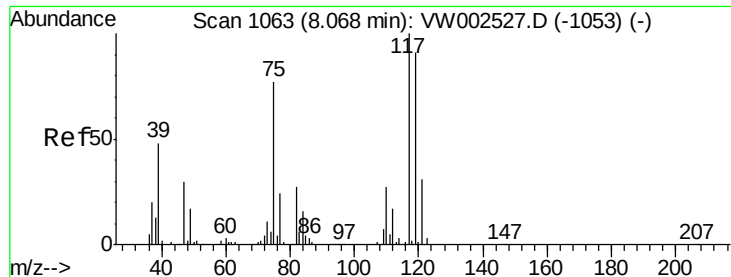
Tgt Ion:113 Resp: 46984
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.8 122.8
 192 21.8 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.44 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW002577.D
 Acq: 16 May 2018 04:18

Tgt Ion: 75 Resp: 7725
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.8 53.5#
 77 0.0 24.5 36.7#

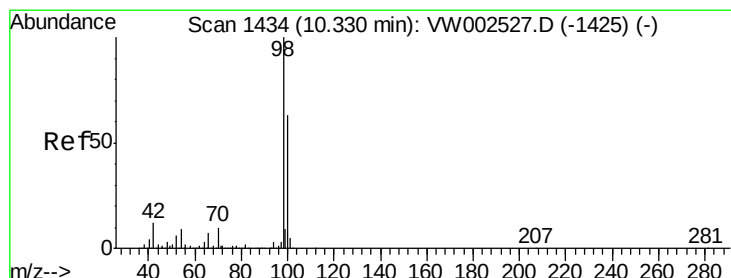
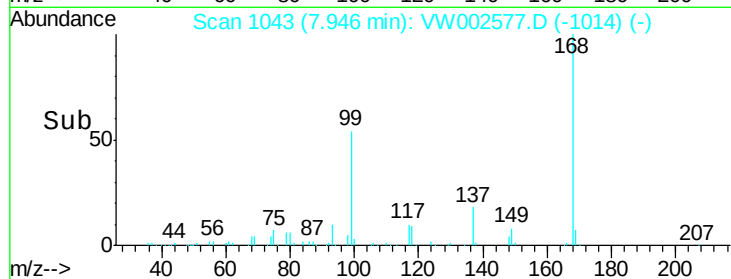
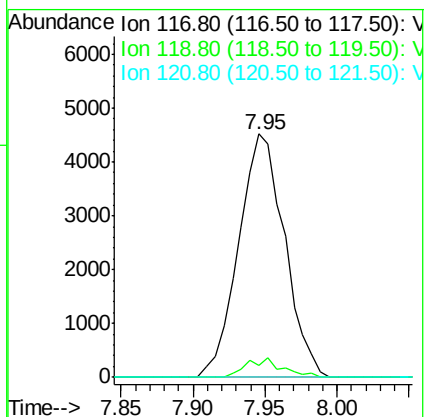
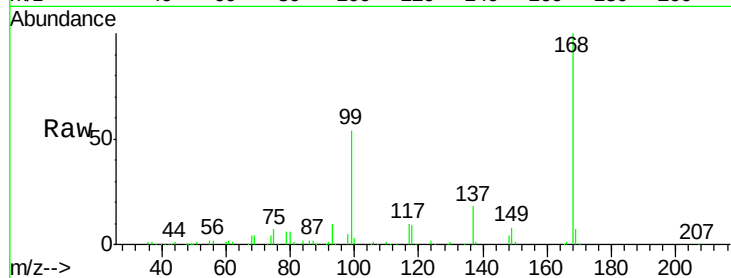




#38
Carbon Tetrachloride
Concen: 7.19 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

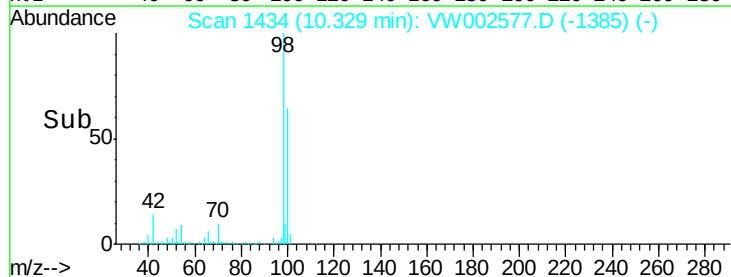
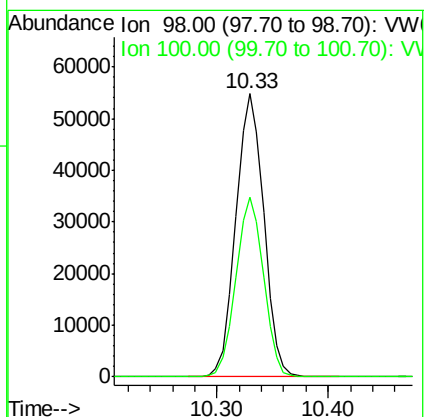
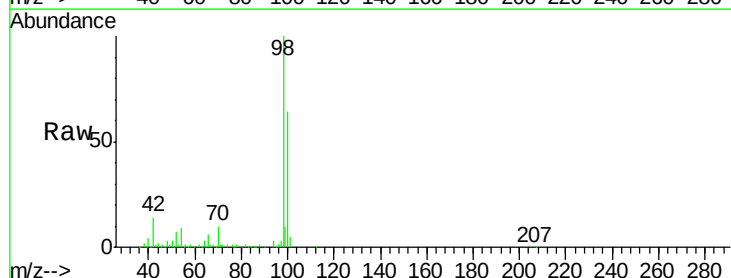
Instrument :
MSVOA_W
ClientSampled :
BP-2A

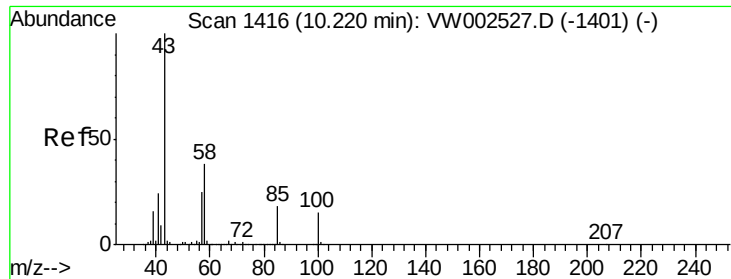
Tgt Ion:117 Resp: 9995
Ion Ratio Lower Upper
117 100
119 5.1 73.1 109.7#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 24.57 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

Tgt Ion: 98 Resp: 95355
Ion Ratio Lower Upper
98 100
100 62.7 51.0 76.4

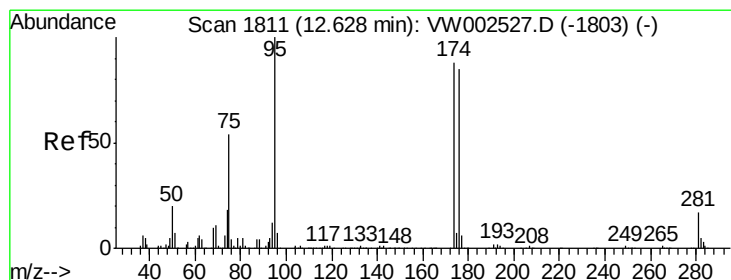
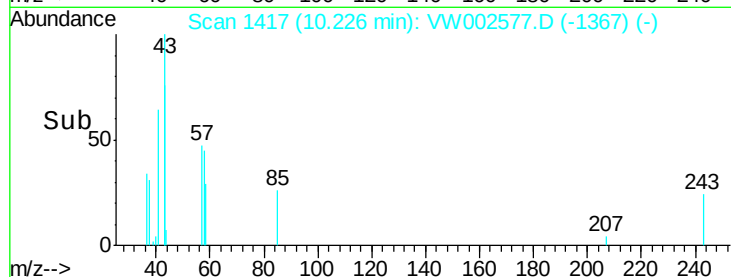
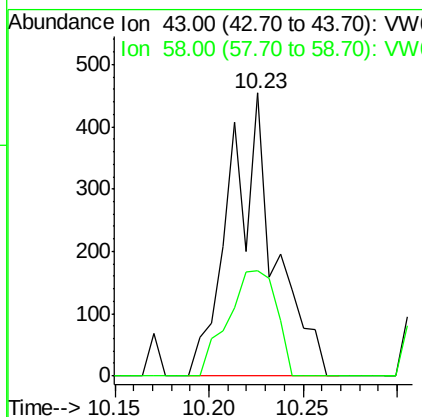
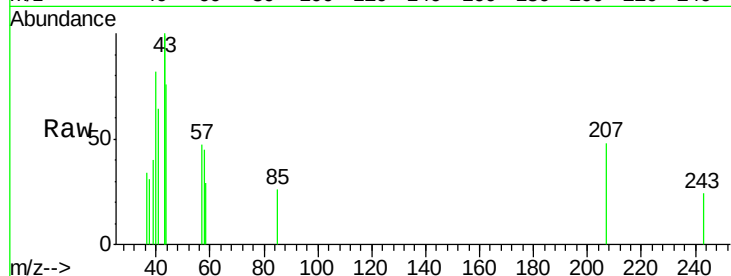




#51
 4-Methyl-2-Pentanone
 Concen: 1.01 ug/l
 RT: 10.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VW002577.D
 Acq: 16 May 2018 04:18

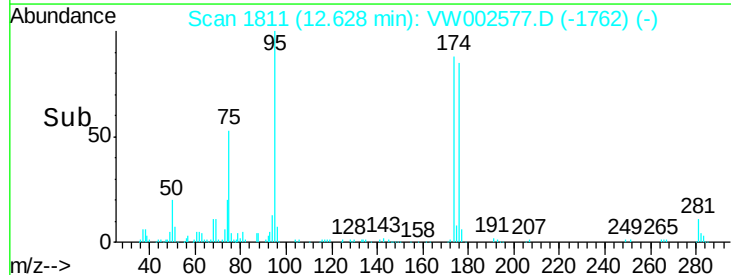
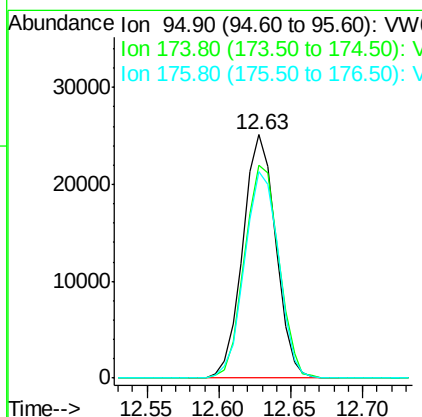
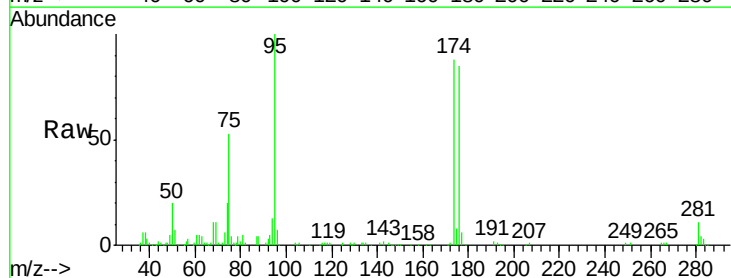
Instrument :
 MSVOA_W
 ClientSampled :
 BP-2A

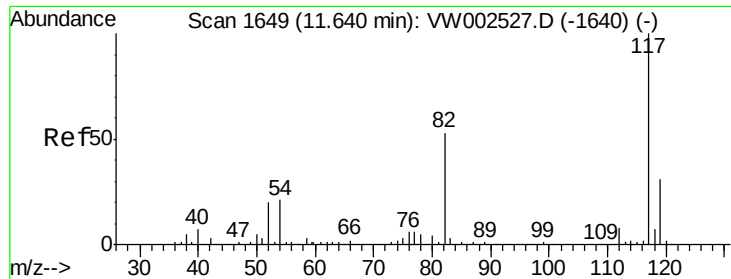
Tgt Ion: 43 Resp: 754
 Ion Ratio Lower Upper
 43 100
 58 39.8 30.1 45.1



#62
 4-Bromofluorobenzene
 Concen: 28.08 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002577.D
 Acq: 16 May 2018 04:18

Tgt Ion: 95 Resp: 39854
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 176.6
 176 87.3 0.0 172.2

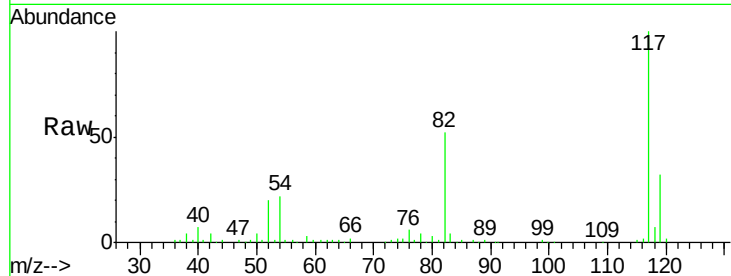




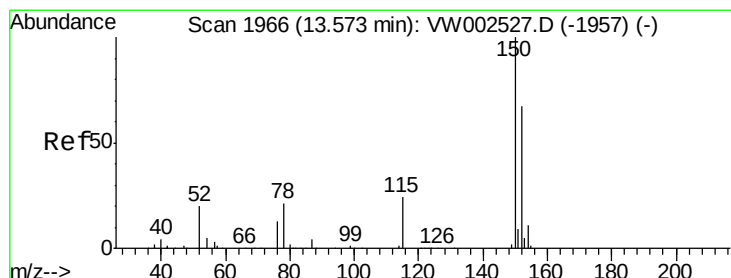
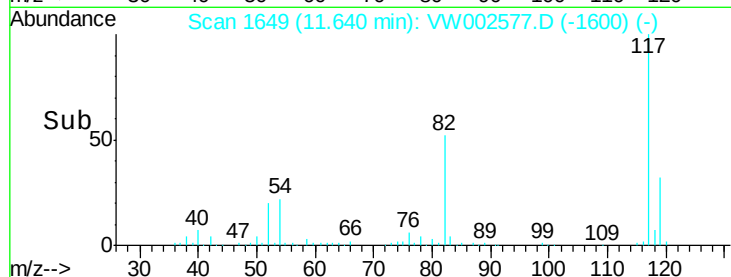
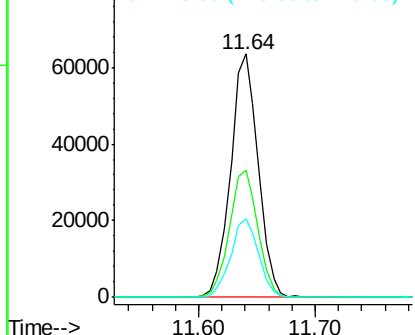
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

Instrument :
MSVOA_W
ClientSampled :
BP-2A

Tgt Ion:117 Resp: 104654
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 32.4 25.0 37.6

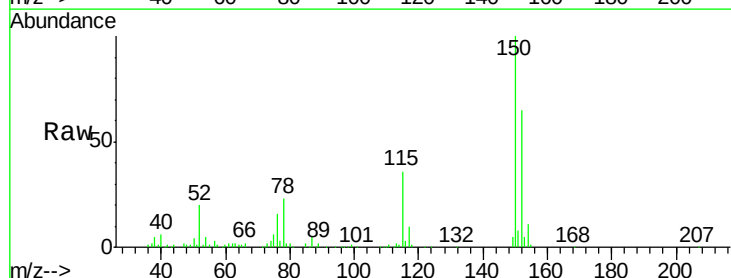


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

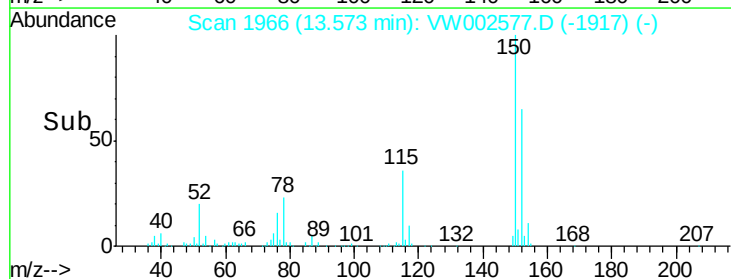
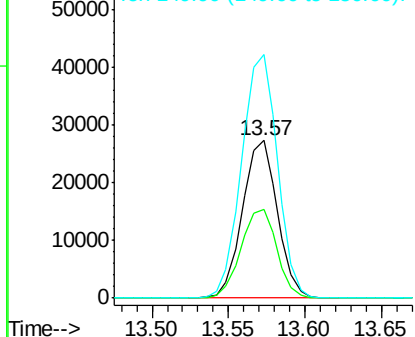


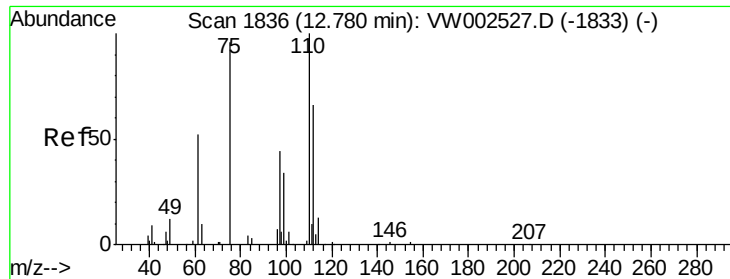
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002577.D
Acq: 16 May 2018 04:18

Tgt Ion:152 Resp: 43208
Ion Ratio Lower Upper
152 100
115 57.8 28.0 84.0
150 159.0 0.0 345.4



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: 50.31 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002577.D

Acq: 16 May 2018 04:18

Instrument :

MSVOA_W

ClientSampleId :

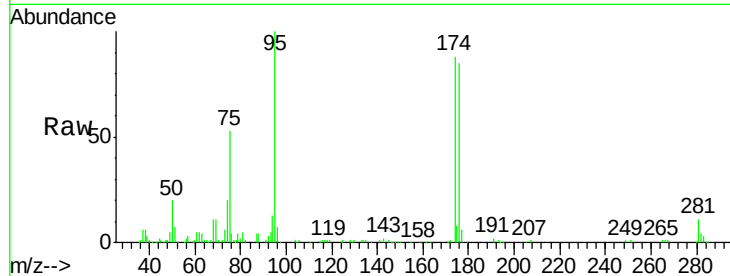
BP-2A

Tgt Ion: 75 Resp: 20550

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.63

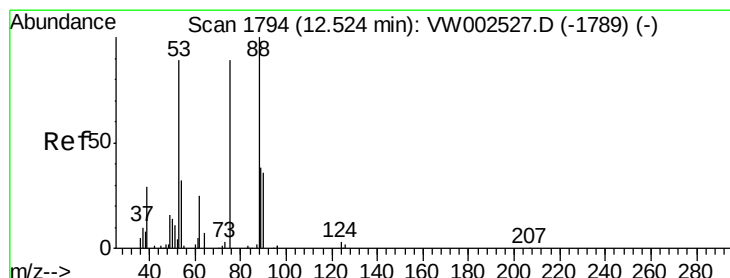
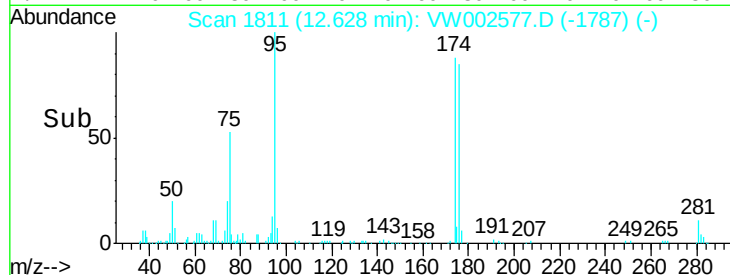
15000

10000

5000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 137.18 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002577.D

Acq: 16 May 2018 04:18

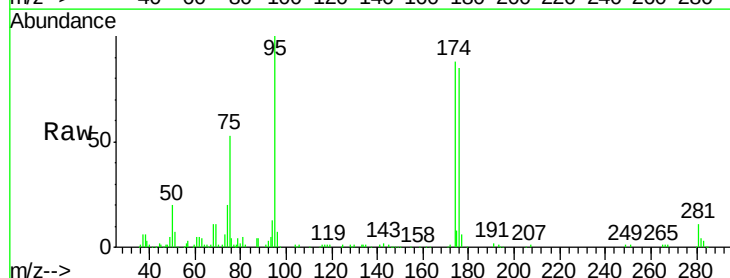
Tgt Ion: 75 Resp: 20550

Ion Ratio Lower Upper

75 100

53 0.3 82.6 124.0#

89 0.1 39.2 58.8#



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

12.63

15000

10000

5000

0

Time--> 12.55 12.60 12.65 12.70

