

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083018\
 Data File : VW005014.D
 Acq On : 30 Aug 2018 13:26
 Operator : SY/AP
 Sample : J4276-05RE
 Misc : 7.24G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 30 14:16:34 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	411509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	626879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	439535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	186966	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	148719	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
35) Dibromofluoromethane	7.89	113	138905	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	
50) Toluene-d8	10.33	98	291960	17.12	ug/l	0.00
Spiked Amount			Recovery	=	34.24%	
62) 4-Bromofluorobenzene	12.63	95	149202	23.99	ug/l	0.00
Spiked Amount			Recovery	=	47.98%	

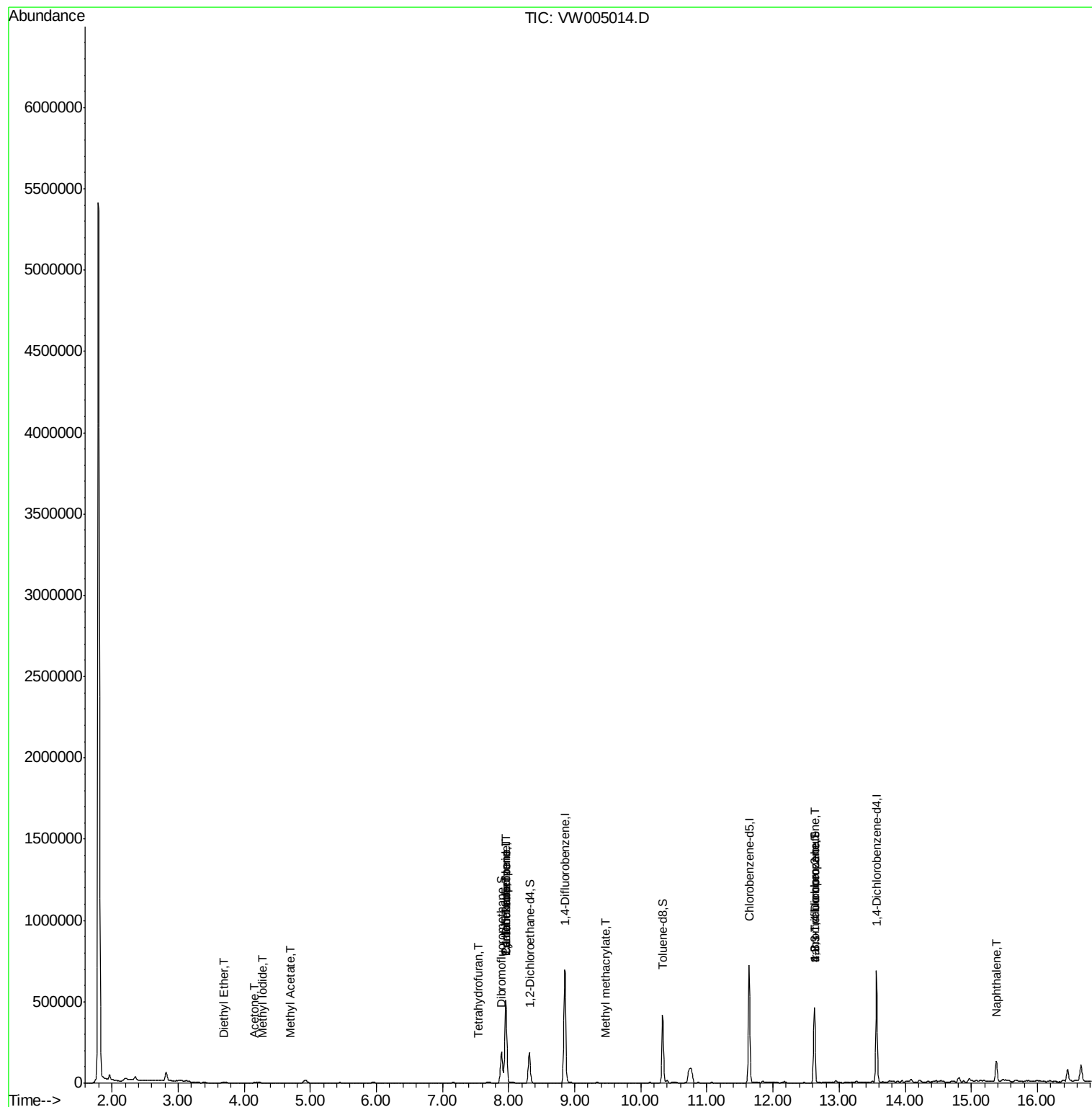
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2293	1.55	ug/l	71
10) Methyl Iodide	4.28	142	608	2.79	ug/l #	87
16) Acetone	4.15	43	3516	5.54	ug/l #	79
18) Methyl Acetate	4.71	43	2099	1.37	ug/l #	90
20) Methylene Chloride	4.93	84	15443	Below Cal		97
29) Tetrahydrofuran	7.54	42	1051	2.10	ug/l #	68
31) Cyclohexane	7.95	56	7130	1.18	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	28600	5.38	ug/l #	47
38) Carbon Tetrachloride	7.96	117	38230	7.44	ug/l #	16
48) Methyl methacrylate	9.48	41	68	2.71	ug/l #	13
76) 1,2,3-Trichloropropane	12.62	75	68735	51.91	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68735	117.31	ug/l #	16
95) Naphthalene	15.38	128	115911	18.46	ug/l	99

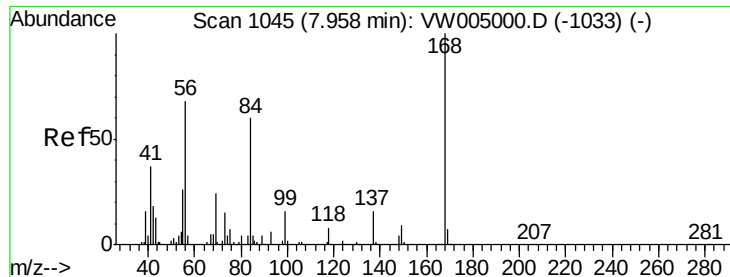
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083018\
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Quant Time: Aug 30 14:16:34 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: VW005014.D

Acq: 30 Aug 2018 13:26

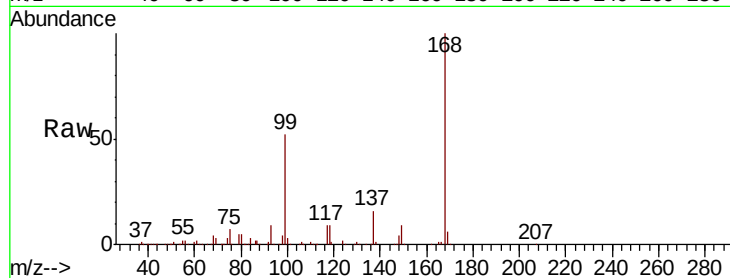
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 411509

Ion Ratio Lower Upper

168 100

99 52.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

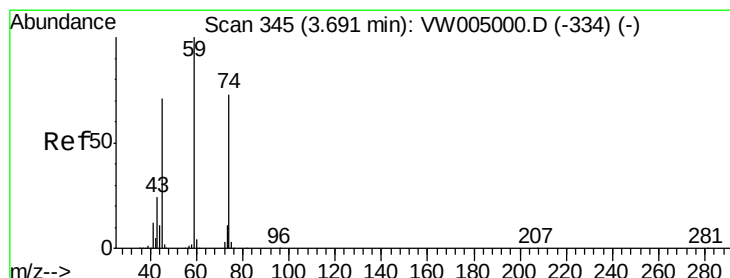
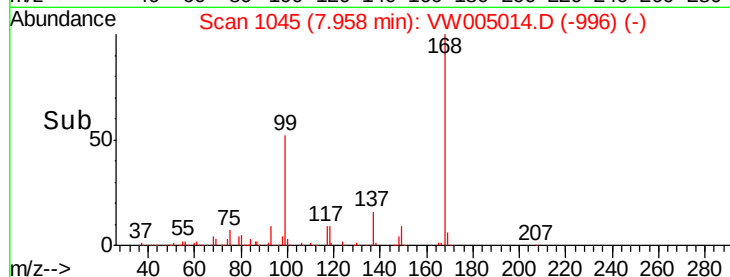
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.55 ug/l

RT: 3.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VW005014.D

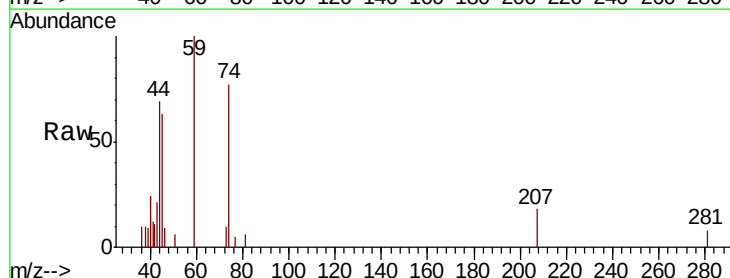
Acq: 30 Aug 2018 13:26

Tgt Ion: 74 Resp: 2293

Ion Ratio Lower Upper

74 100

45 124.2 47.8 143.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.70

1200

1000

800

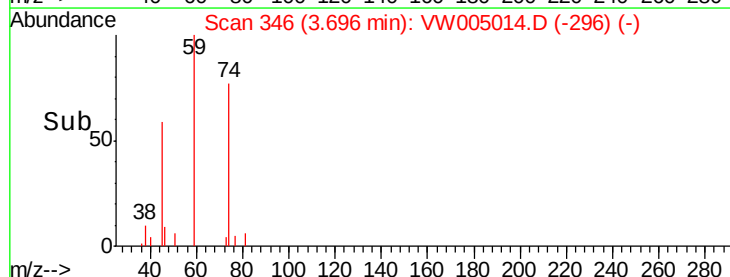
600

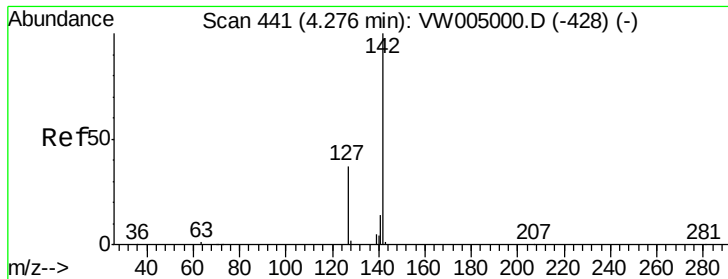
400

200

0

Time--> 3.60 3.65 3.70 3.75

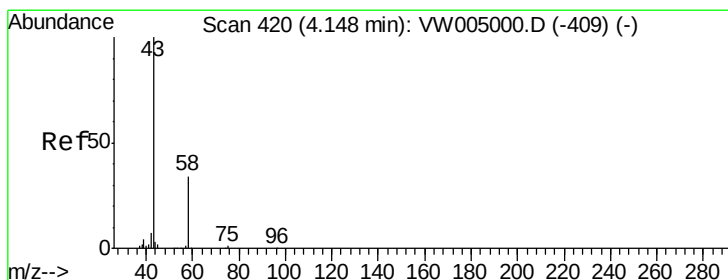
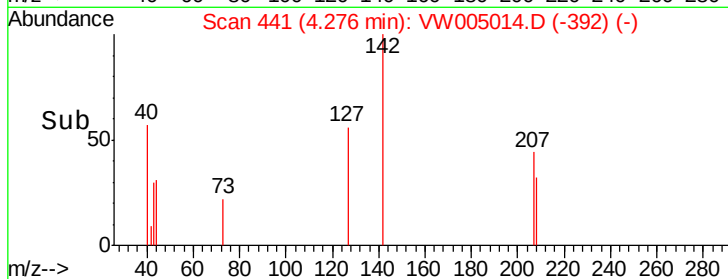
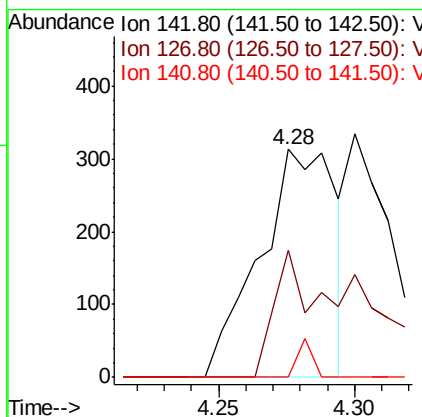
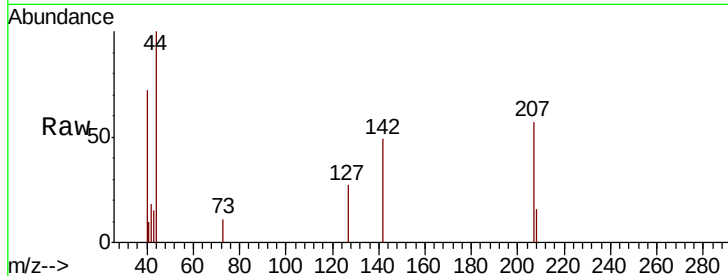




#10
Methvl Iodide
Concen: 2.79 ug/l
RT: 4.28 min Scan# 441
Delta R.T. 0.00 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

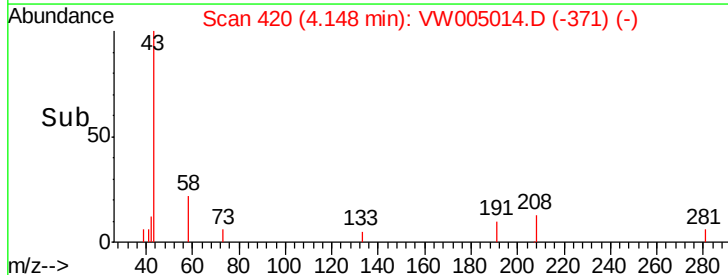
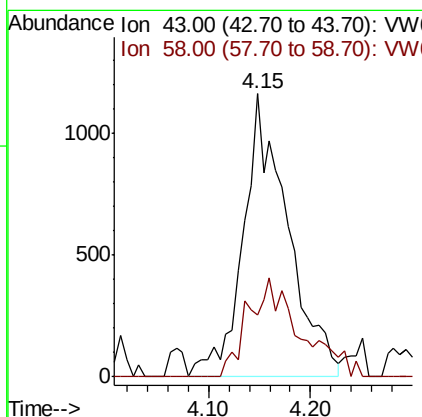
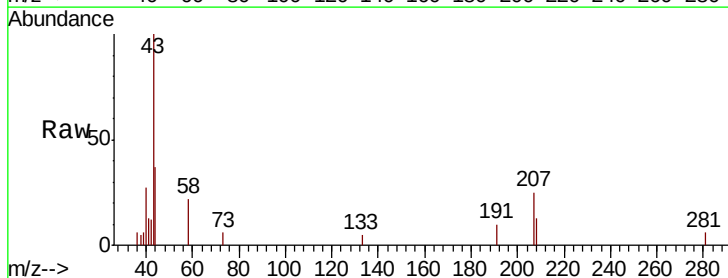
Instrument :
MSVOA_W
ClientSampleId :

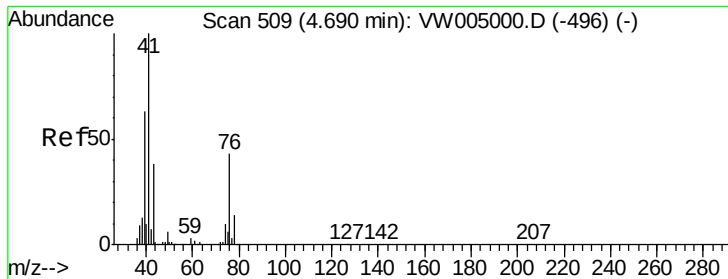
Tot Ion:142 Resp: 608
Ion Ratio Lower Upper
142 100
127 33.9 31.1 46.7
141 3.1 11.4 17.2#



#16
Acetone
Concen: 5.54 ug/l
RT: 4.15 min Scan# 420
Delta R.T. -0.00 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

Tgt Ion: 43 Resp: 3516
Ion Ratio Lower Upper
43 100
58 22.1 27.2 40.8#

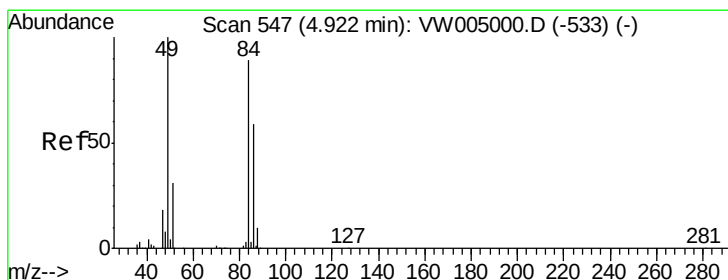
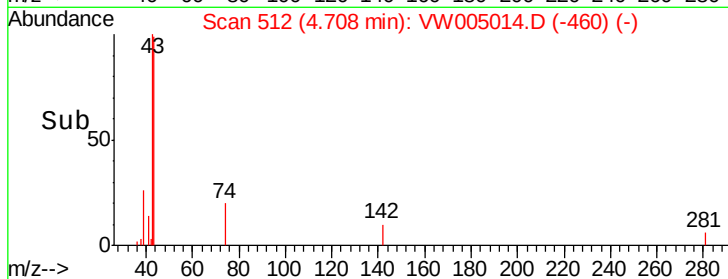
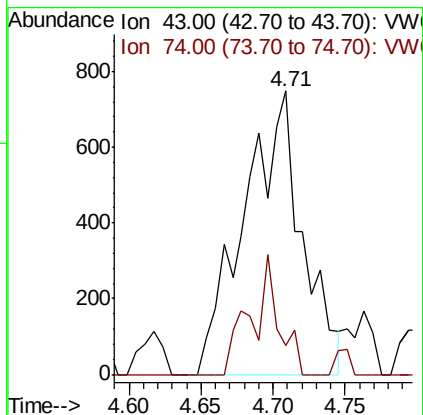
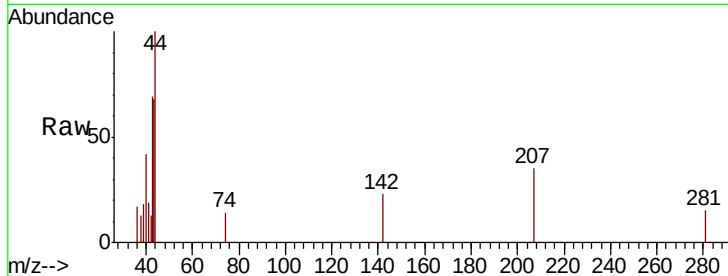




#18
Methyl Acetate
Concen: 1.37 ug/l
RT: 4.71 min Scan# 512
Delta R.T. 0.02 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

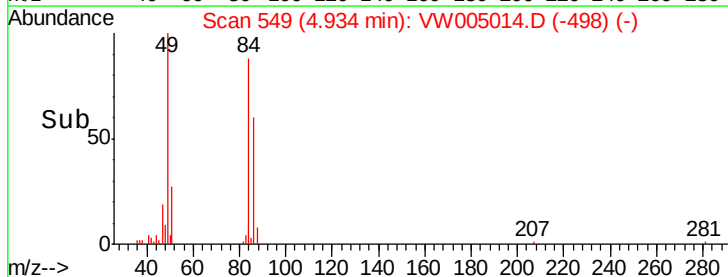
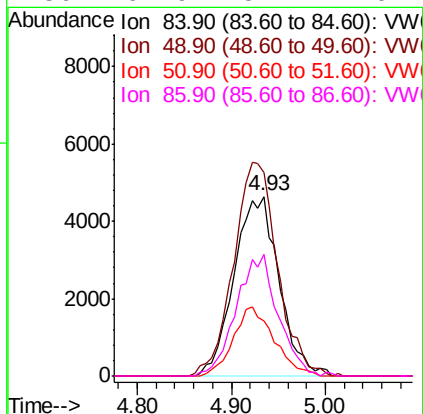
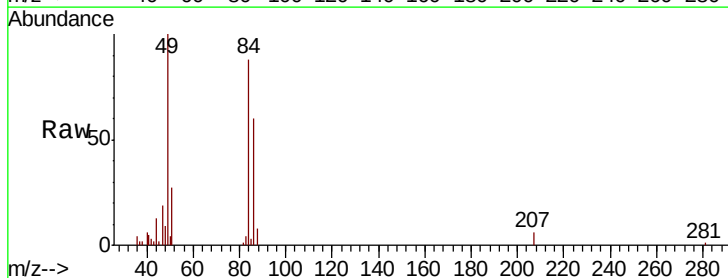
Instrument :
MSVOA_W
ClientSampled :

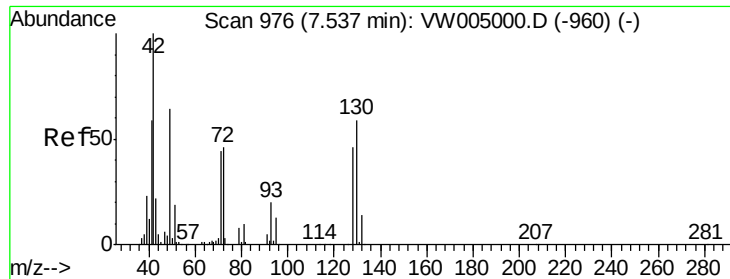
Tot Ion: 43 Resp: 2099
Ion Ratio Lower Upper
43 100
74 20.2 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 549
Delta R.T. 0.01 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

Tgt Ion: 84 Resp: 15443
Ion Ratio Lower Upper
84 100
49 113.8 89.7 134.5
51 30.6 27.5 41.3
86 67.9 52.7 79.1





#29

Tetrahydrofuran

Concen: 2.10 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW005014.D

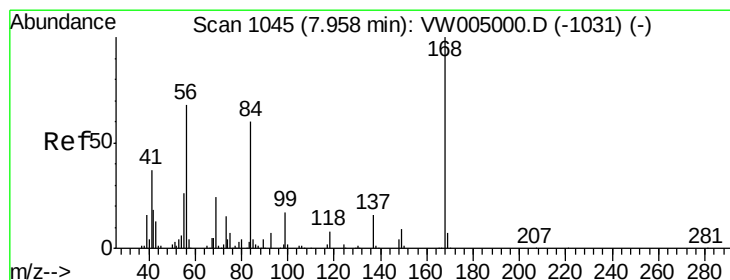
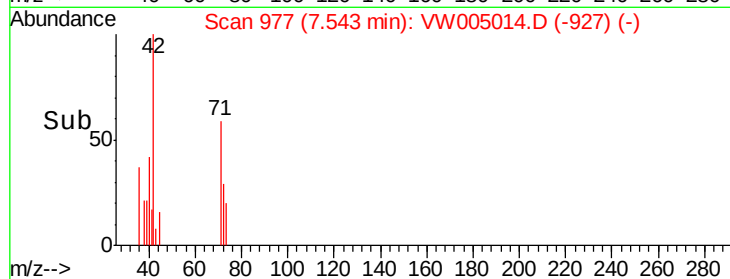
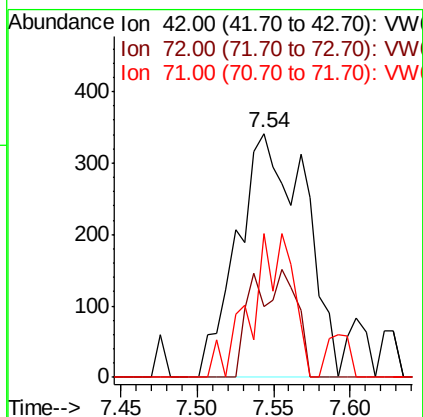
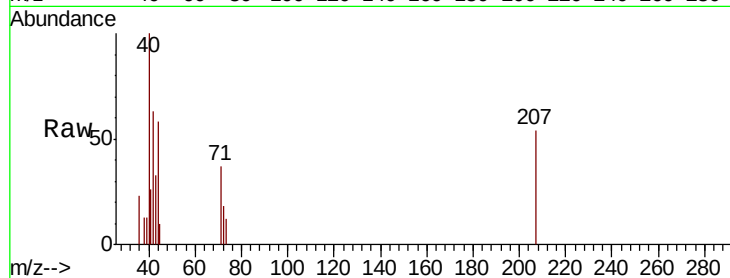
Acq: 30 Aug 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	42	Resp:	1051
Ion	Ratio	Lower	Upper
42	100		
72	11.8	36.6	55.0#
71	36.6	35.4	53.2



#31

Cyclohexane

Concen: 1.18 ug/l

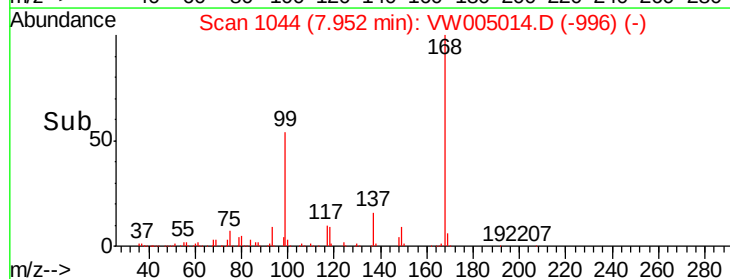
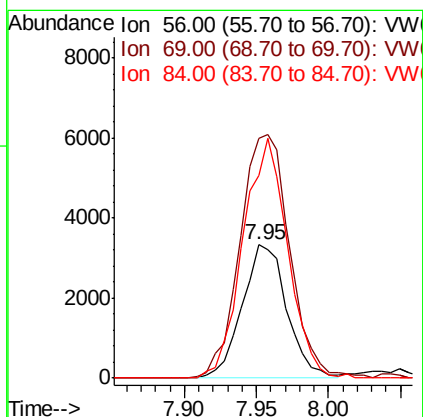
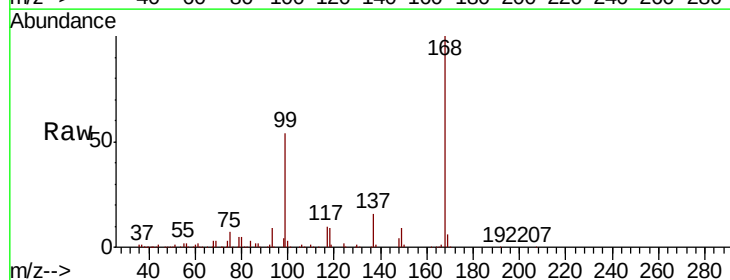
RT: 7.95 min Scan# 1044

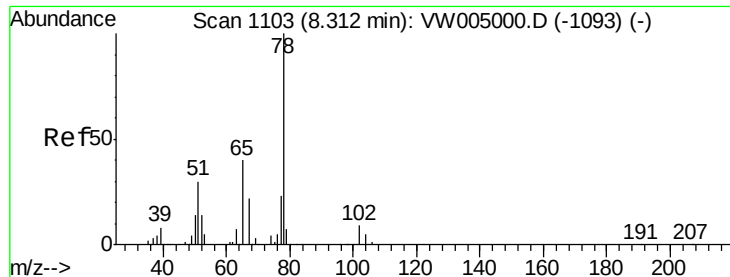
Delta R.T. -0.01 min

Lab File: VW005014.D

Acq: 30 Aug 2018 13:26

Tgt Ion:	56	Resp:	7130
Ion	Ratio	Lower	Upper
56	100		
69	180.0	27.9	41.9#
84	152.2	70.5	105.7#

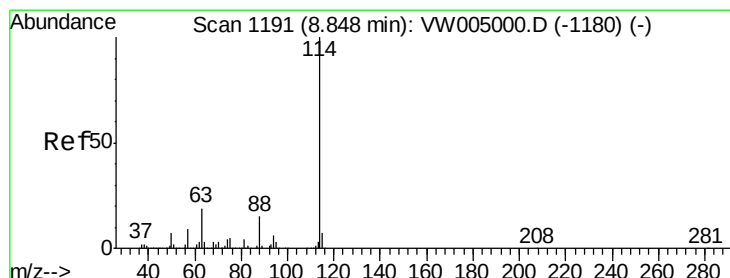
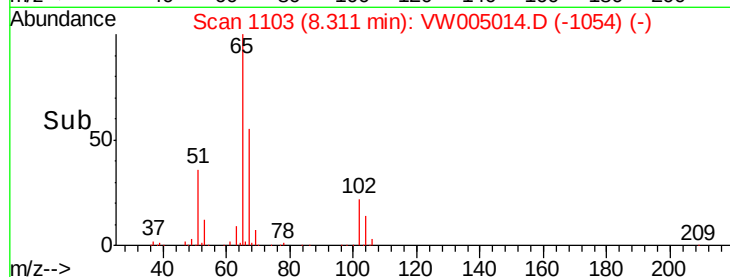
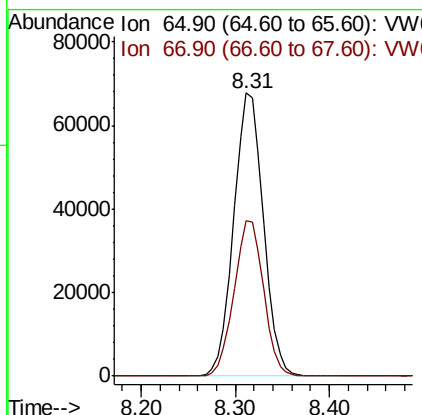
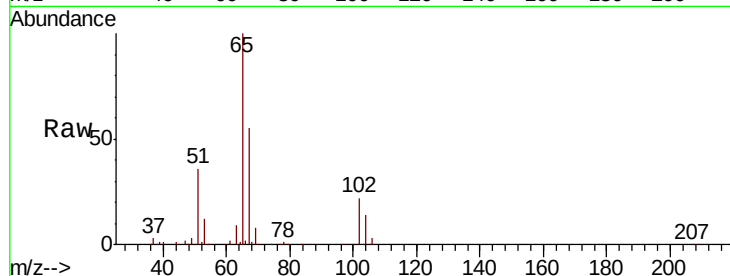




#33
 1,2-Dichloroethane-d4
 Concen: 52.83 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005014.D
 Acq: 30 Aug 2018 13:26

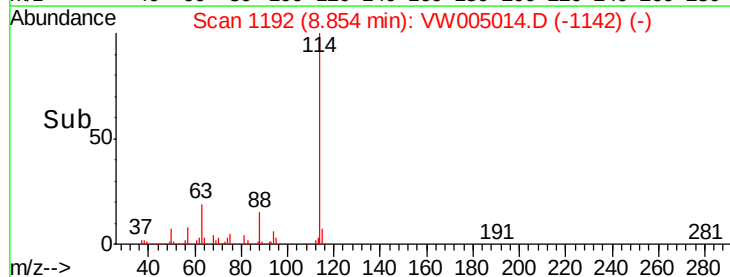
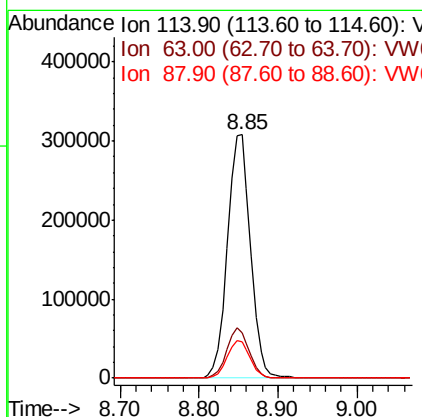
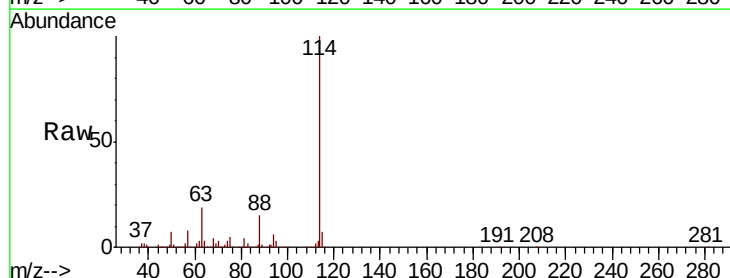
Instrument :
 MSVOA_W
 ClientSampleId :

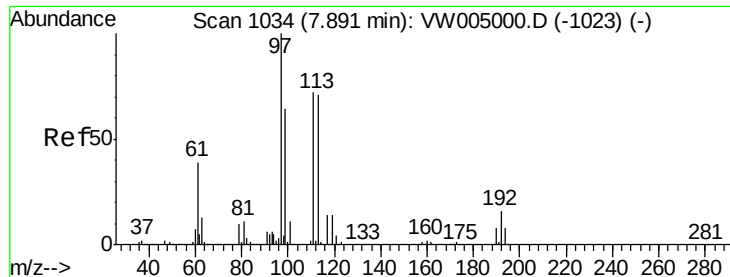
Tot Ion: 65 Resp: 148719
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VW005014.D
 Acq: 30 Aug 2018 13:26

Tgt Ion: 114 Resp: 626879
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 15.0 0.0 30.6

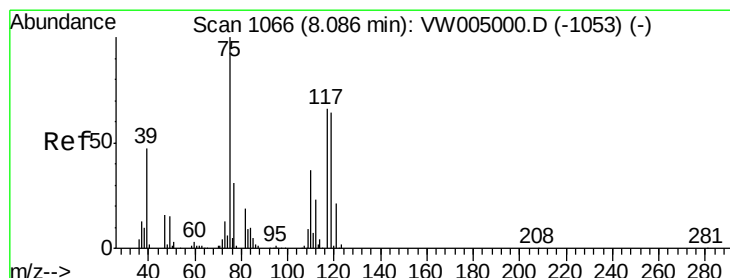
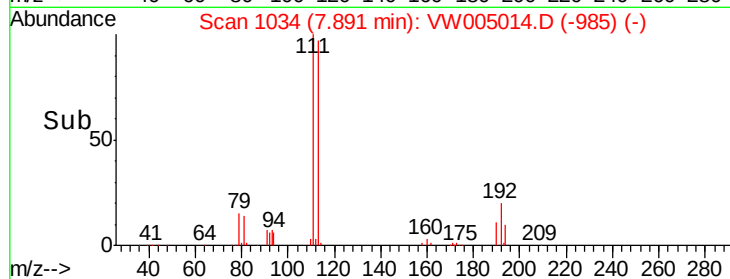
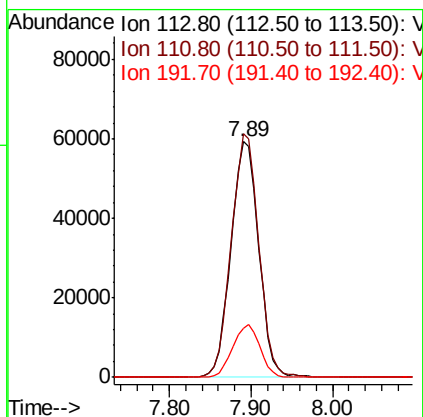
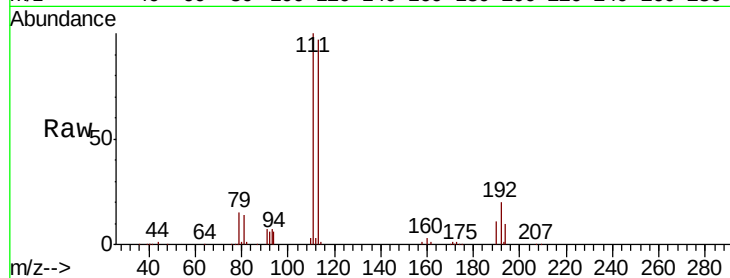




#35
 Dibromofluoromethane
 Concen: 44.71 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005014.D
 Acq: 30 Aug 2018 13:26

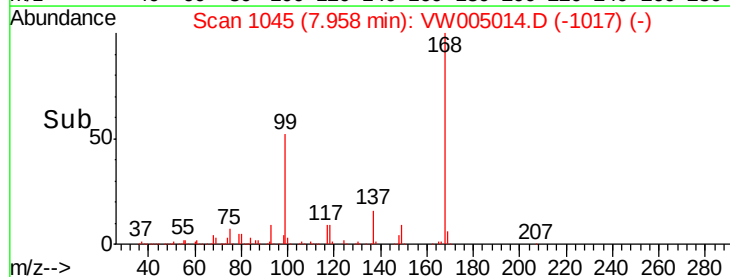
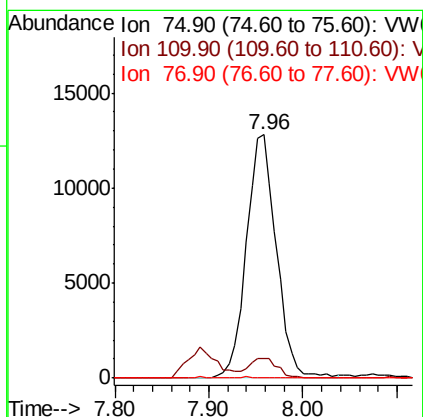
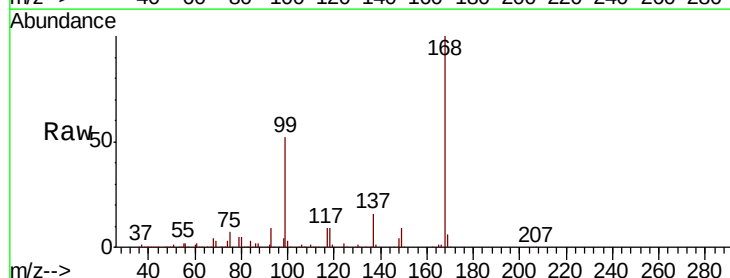
Instrument :
 MSVOA_W
 ClientSampleId :

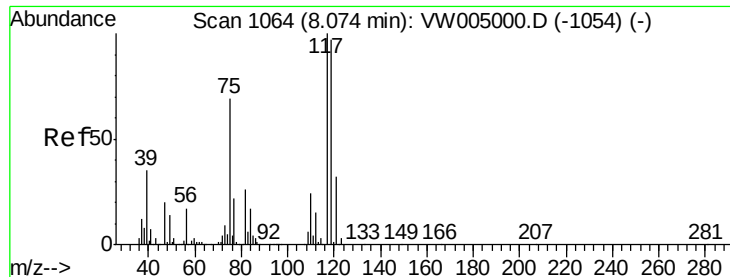
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	22.0	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 5.38 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW005014.D
 Acq: 30 Aug 2018 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.7	56.1#
77	0.2	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 7.44 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005014.D

Acq: 30 Aug 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

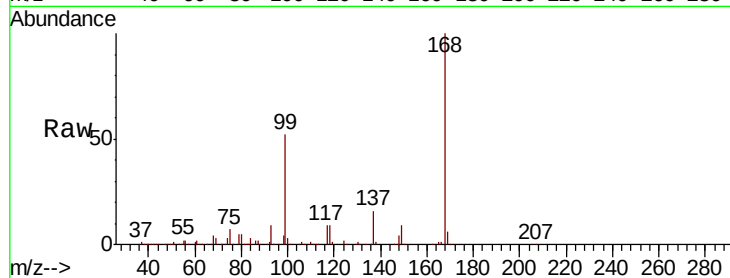
Tot Ion:117 Resp: 38230

Ion Ratio Lower Upper

117 100

119 6.2 77.8 116.8#

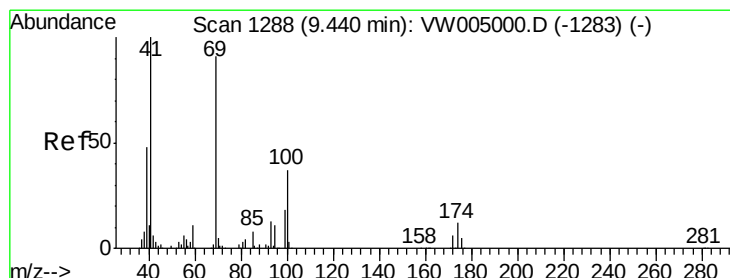
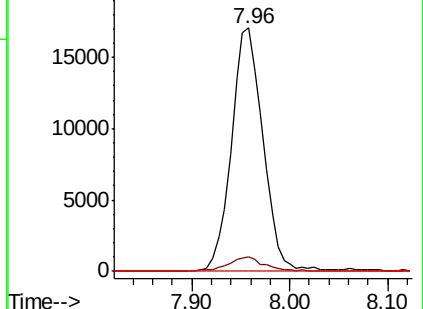
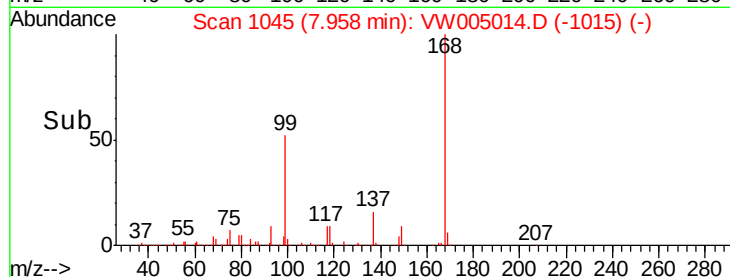
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#48

Methyl methacrylate

Concen: 2.71 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.04 min

Lab File: VW005014.D

Acq: 30 Aug 2018 13:26

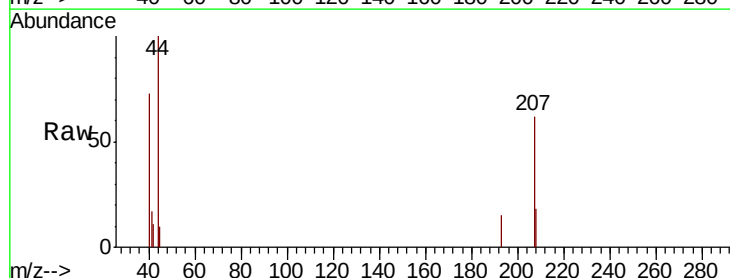
Tgt Ion: 41 Resp: 68

Ion Ratio Lower Upper

41 100

69 0.0 72.5 108.7#

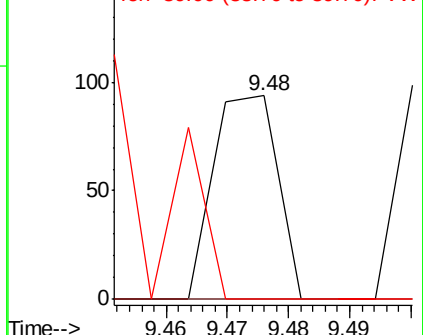
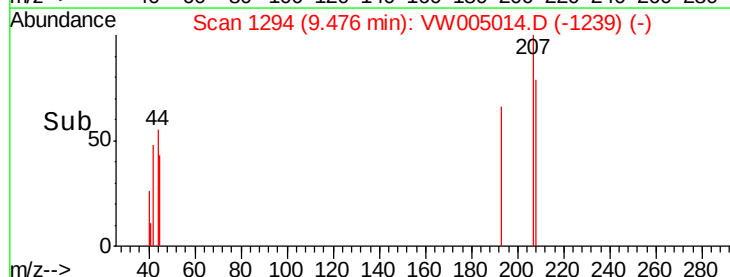
39 0.0 37.0 55.6#

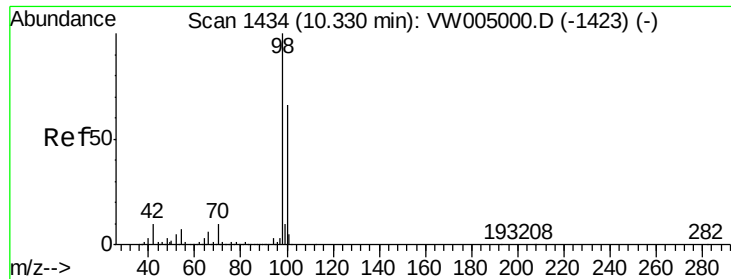


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

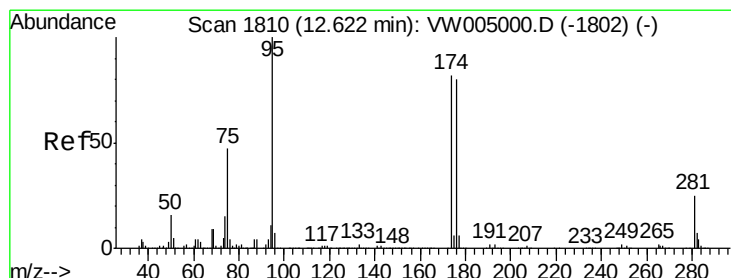
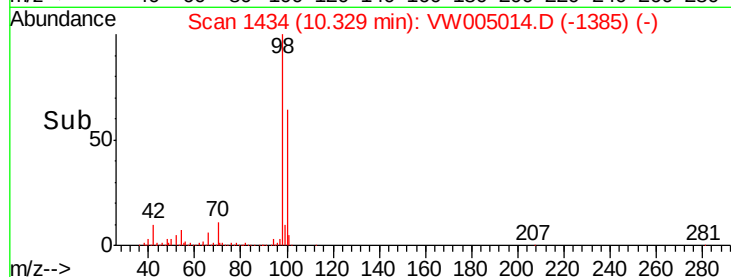
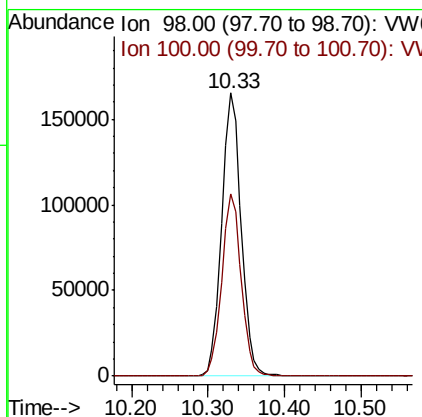
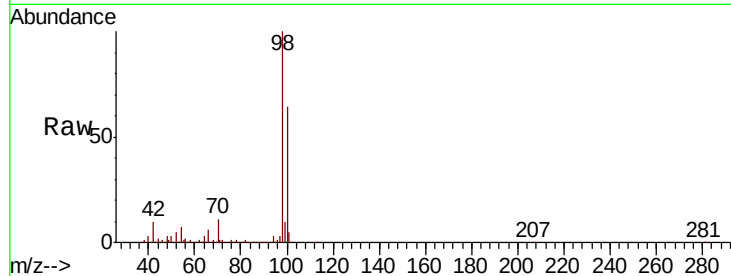




#50
Toluene-d8
Concen: 17.12 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

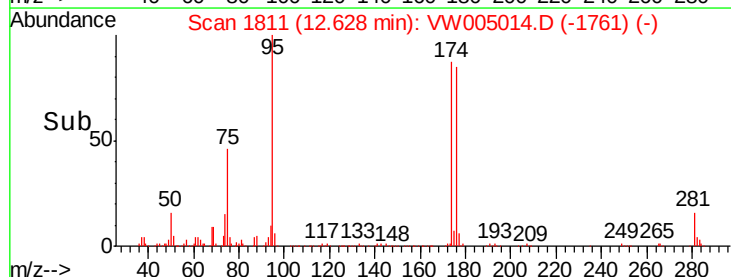
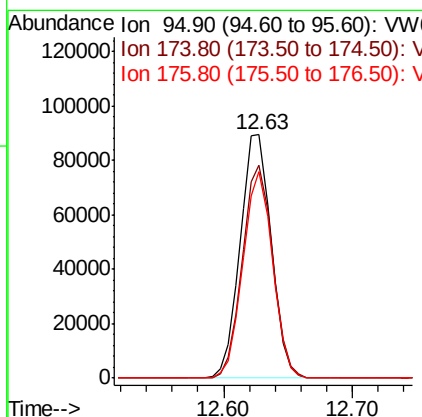
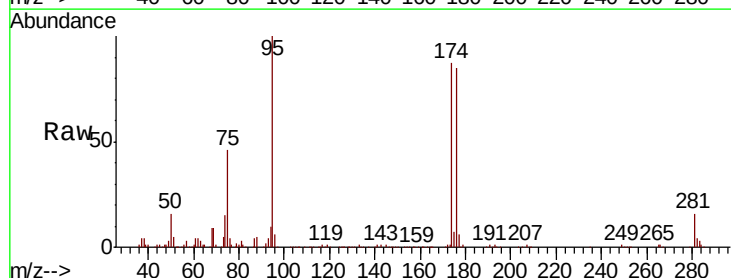
Instrument :
MSVOA_W
ClientSampleId :

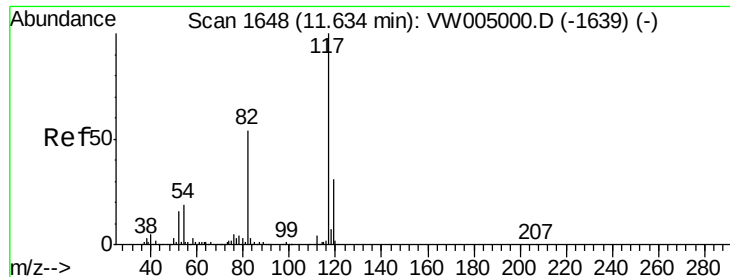
Tot Ion: 98 Resp: 291960
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 23.99 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

Tgt Ion: 95 Resp: 149202
Ion Ratio Lower Upper
95 100
174 85.3 0.0 173.4
176 81.0 0.0 167.8

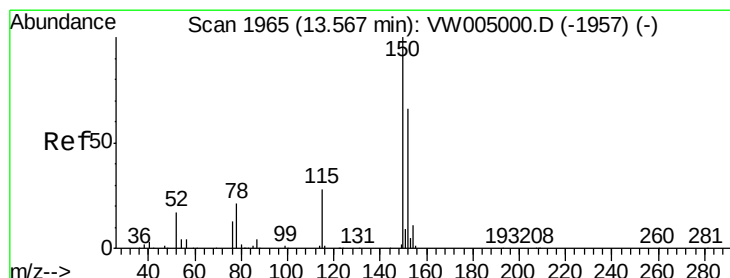
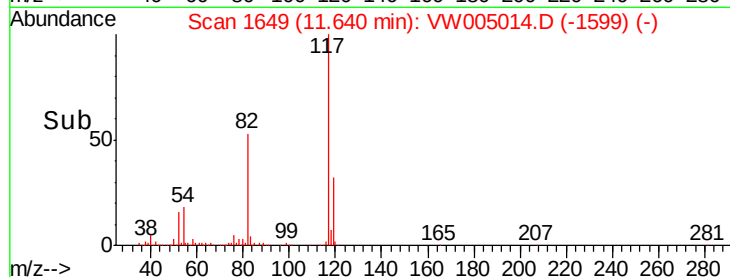
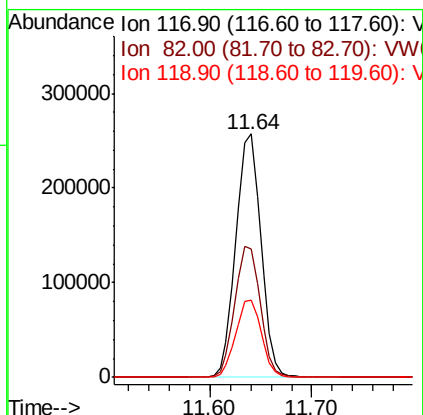
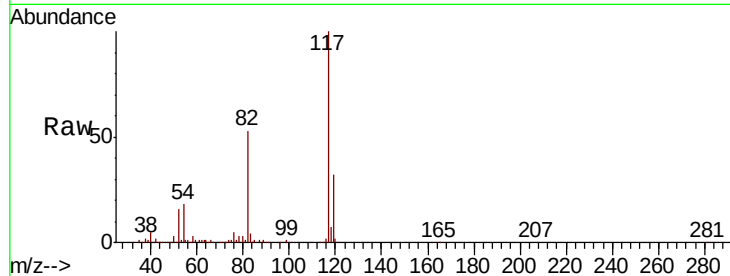




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

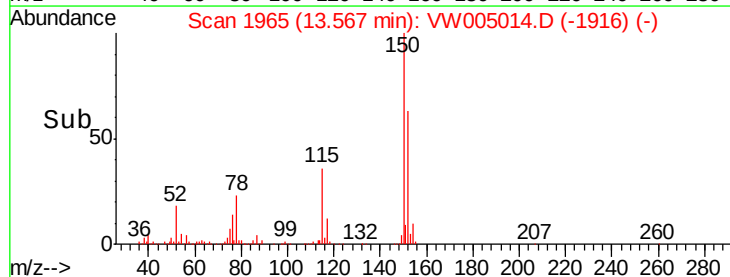
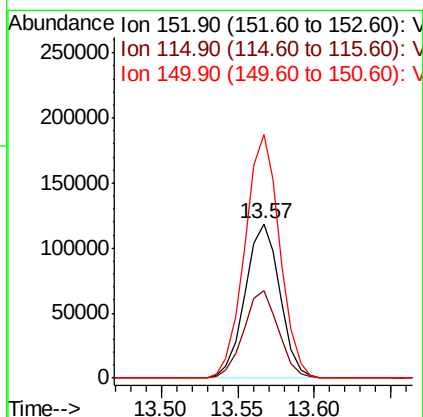
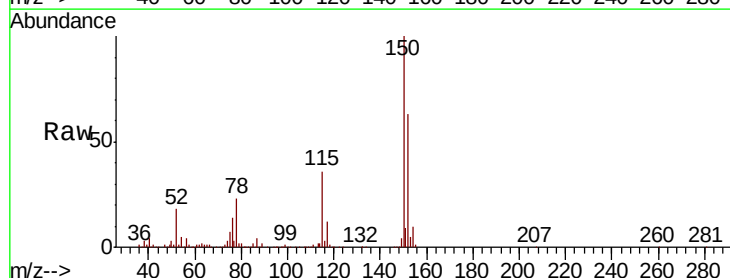
Instrument :
MSVOA_W
ClientSampleId :

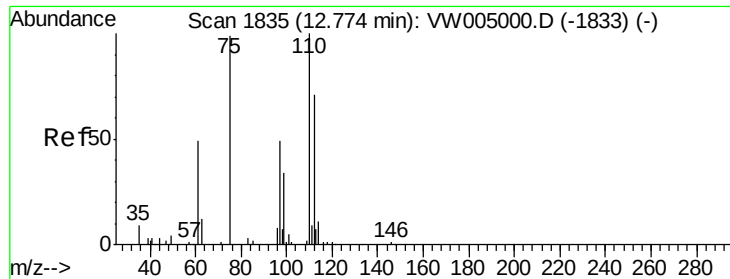
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.3	64.9
119	31.6	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005014.D
Acq: 30 Aug 2018 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	83.9
150	158.3	0.0	347.2





#76

1,2,3-Trichloropropane

Concen: 51.91 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW005014.D

Acq: 30 Aug 2018 13:26

Instrument :

MSVOA_W

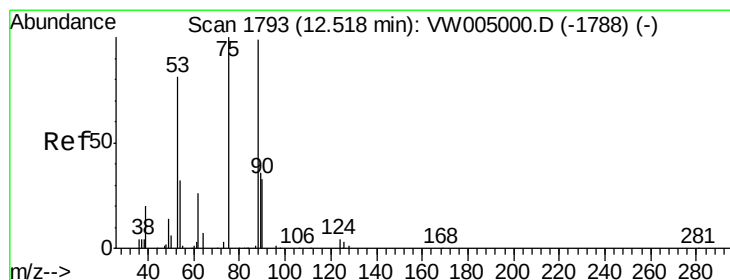
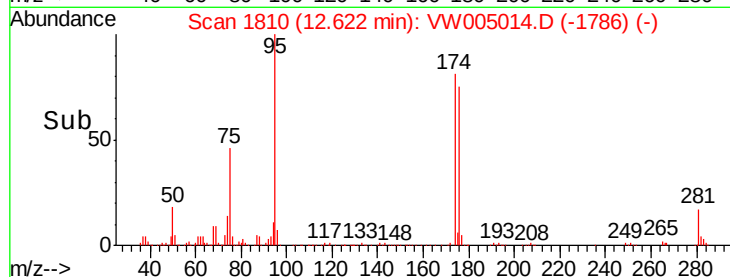
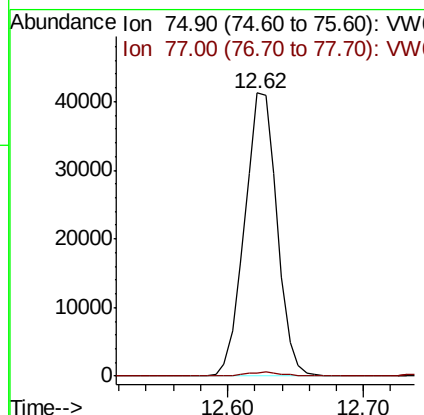
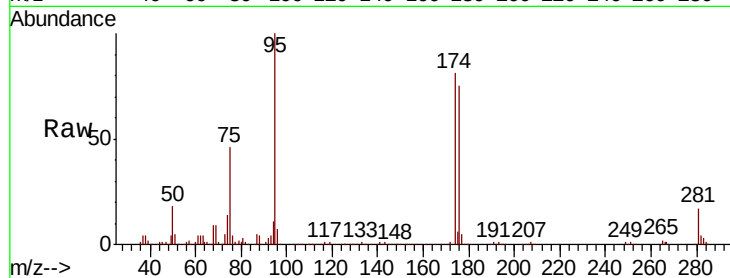
ClientSampleId :

Tot Ion: 75 Resp: 68735

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.31 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005014.D

Acq: 30 Aug 2018 13:26

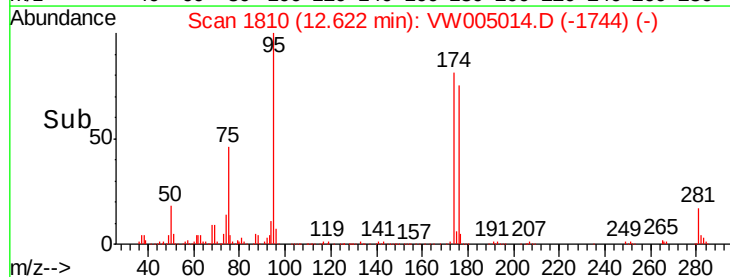
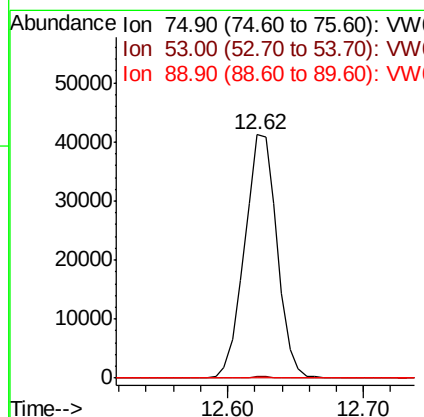
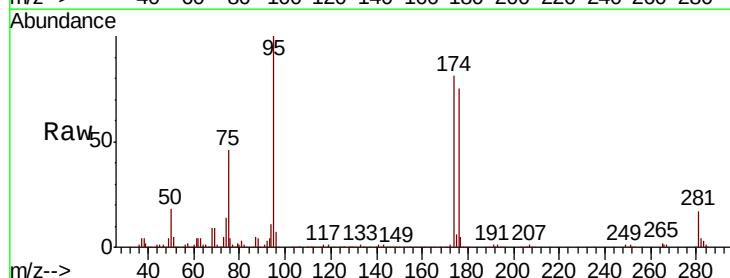
Tgt Ion: 75 Resp: 68735

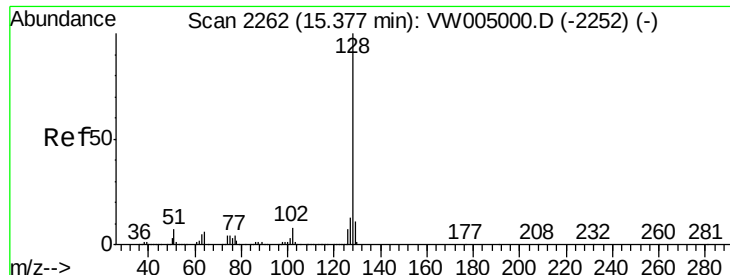
Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.1 35.0 52.6#





#95

Naphthalene

Concen: 18.46 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005014.D

Acq: 30 Aug 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

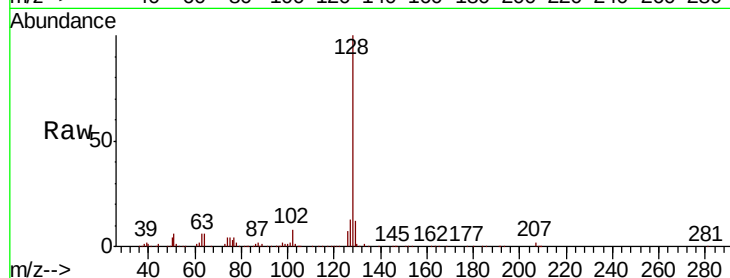
Tot Ion:128 Resp: 115911

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.5 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

