

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005313.D
 Acq On : 12 Sep 2018 09:21
 Operator : SY/AP
 Sample : J4777-03RE
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 10:57:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	503572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	815532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	681262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	251293	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	214123	57.01	ug/l	0.00
Spiked Amount			Recovery	=	114.02%	
35) Dibromofluoromethane	7.89	113	189786	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	
50) Toluene-d8	10.33	98	710035	32.89	ug/l	0.00
Spiked Amount			Recovery	=	65.78%	
62) 4-Bromofluorobenzene	12.62	95	232257	29.41	ug/l	0.00
Spiked Amount			Recovery	=	58.82%	

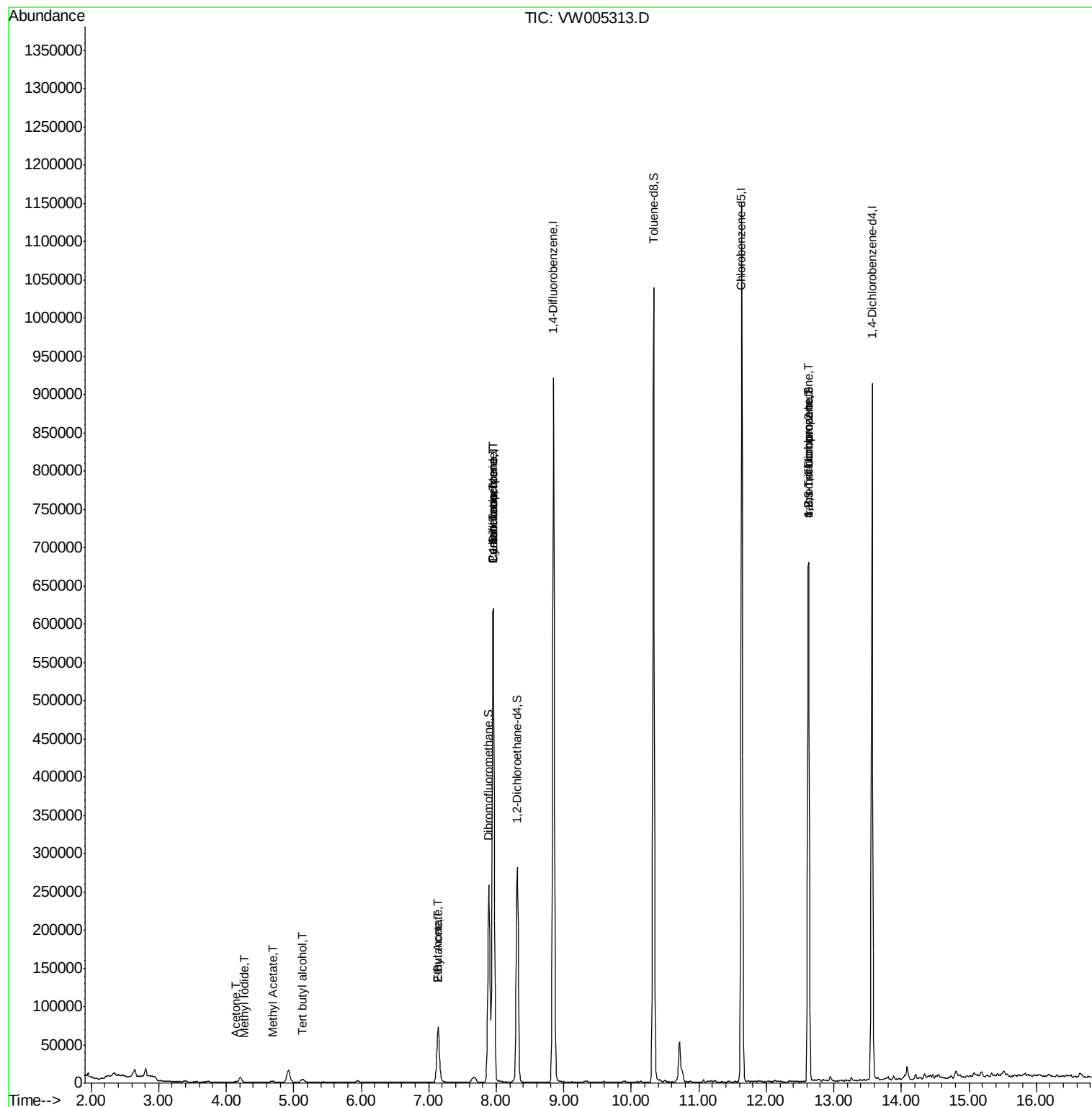
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	412	Below Cal		98
10) Methyl Iodide	4.28	142	431	3.402	ug/l #	45
11) Tert butyl alcohol	5.13	59	4278	13.889	ug/l #	74
16) Acetone	4.14	43	1443	2.070	ug/l #	75
18) Methyl Acetate	4.68	43	3446	1.656	ug/l #	73
20) Methylene Chloride	4.92	84	13432	Below Cal		97
25) 2-Butanone	7.14	43	3442	3.130	ug/l #	64
31) Cyclohexane	7.96	56	8557	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	34334	4.595	ug/l #	48
37) Ethyl Acetate	7.14	43	3442	1.211	ug/l #	1
38) Carbon Tetrachloride	7.95	117	45390	6.485	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	107288	55.509	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	107288	130.180	ug/l #	16

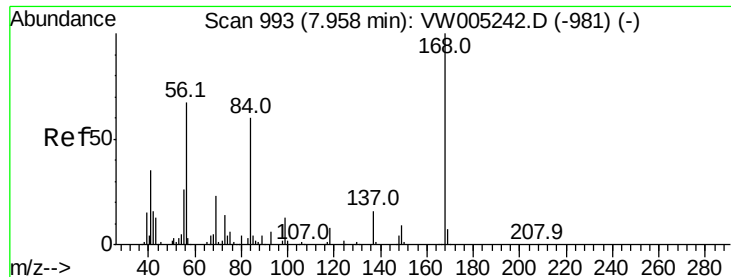
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005313.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_W

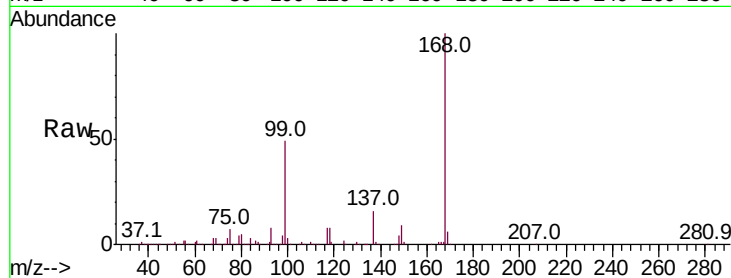
ClientSampled :

Tot Ion:168 Resp: 503572

Ion Ratio Lower Upper

168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

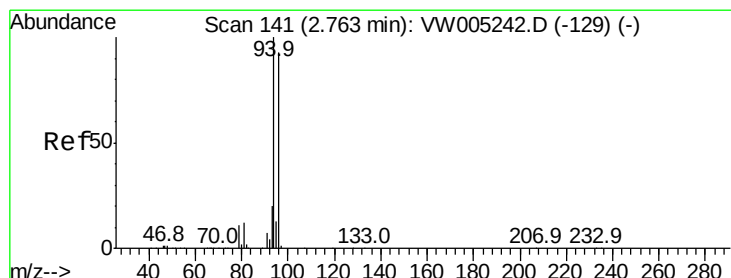
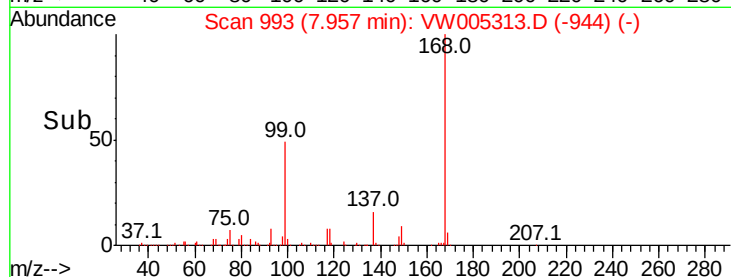
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW005313.D

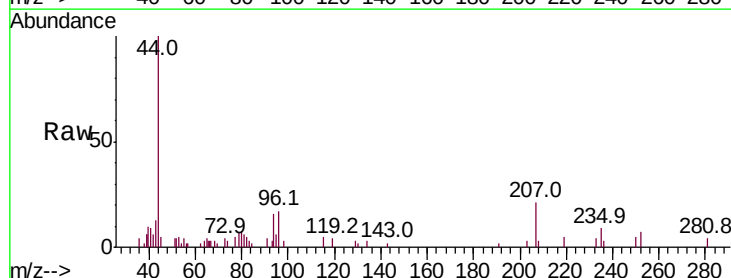
Acq: 12 Sep 2018 09:21

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 91.0 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

500

400

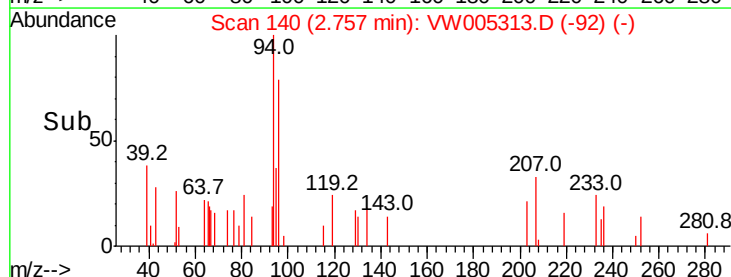
300

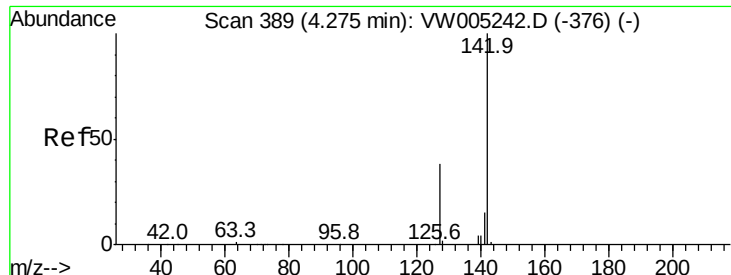
200

100

0

Time-->

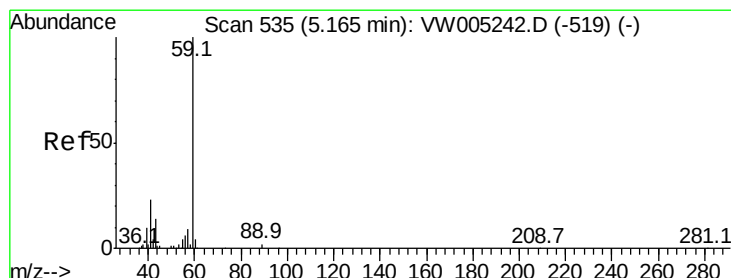
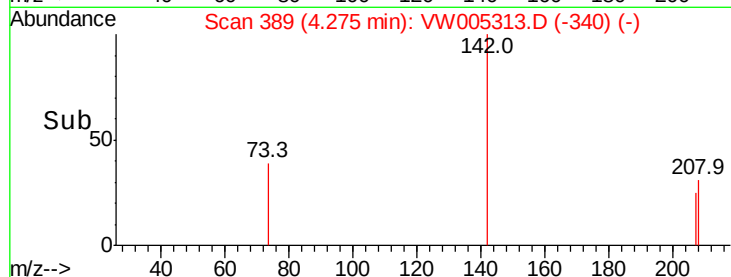
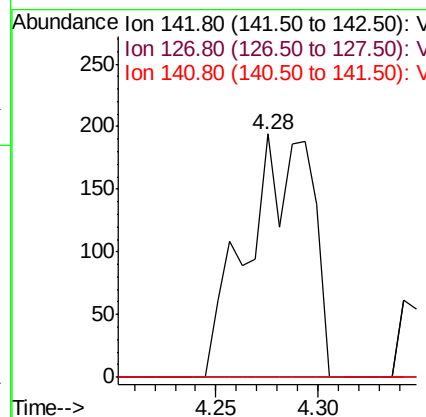
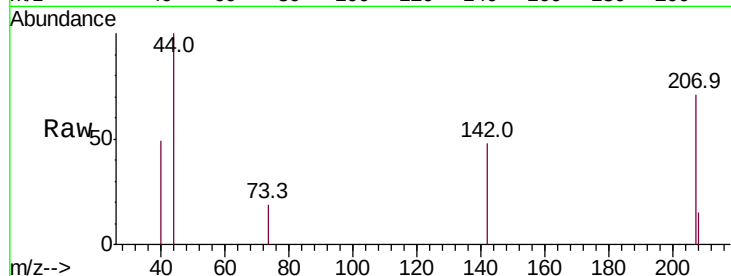




#10
Methvl Iodide
Concen: 3.402 ug/l
RT: 4.28 min Scan# 389
Delta R.T. 0.00 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

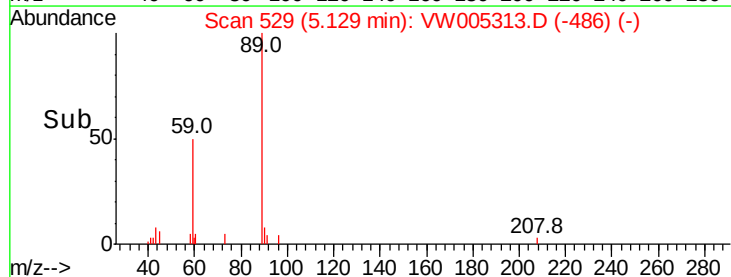
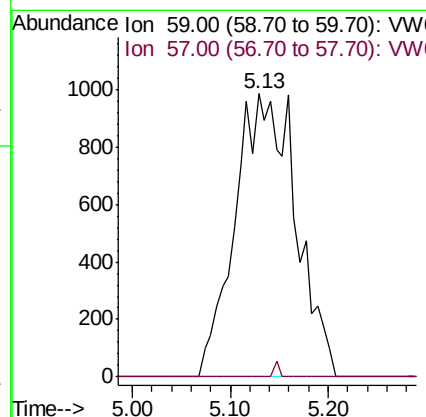
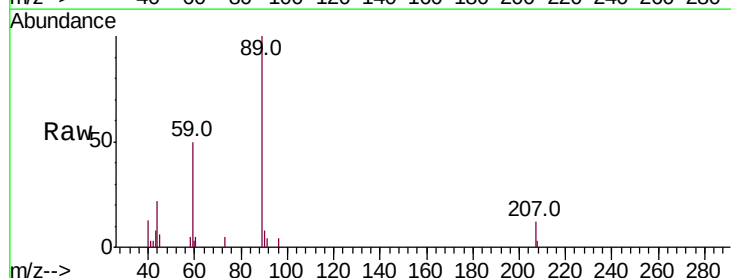
Instrument :
MSVOA_W
ClientSampled :

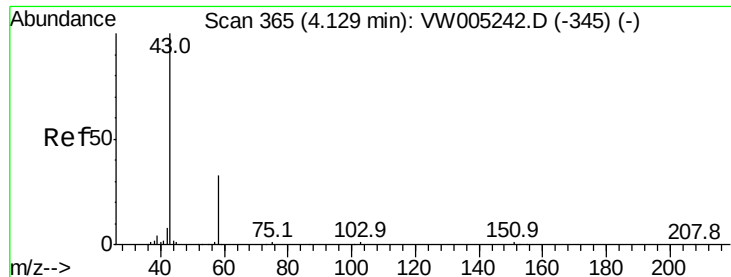
Tot Ion:142 Resp: 431
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 13.889 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

Tgt Ion: 59 Resp: 4278
Ion Ratio Lower Upper
59 100
57 0.5 8.1 12.1#

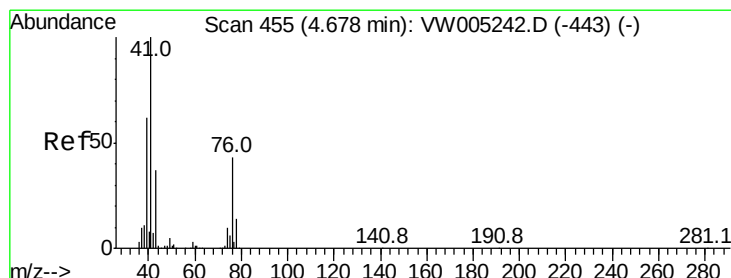
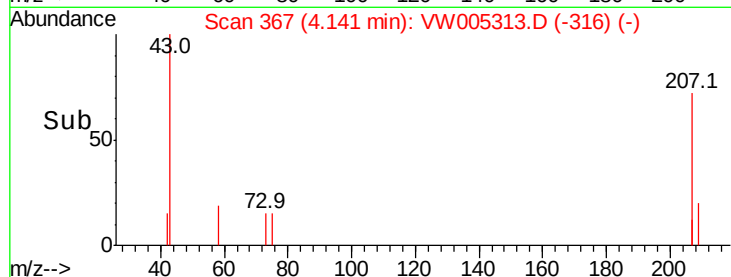
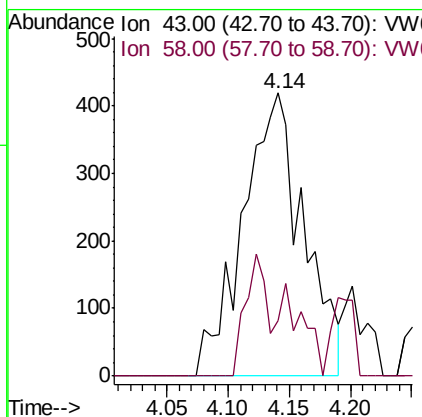
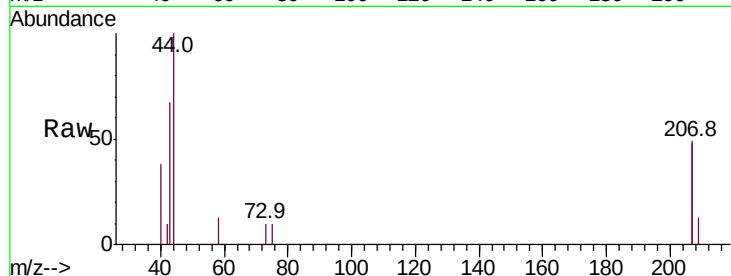




#16
Acetone
Concen: 2.070 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

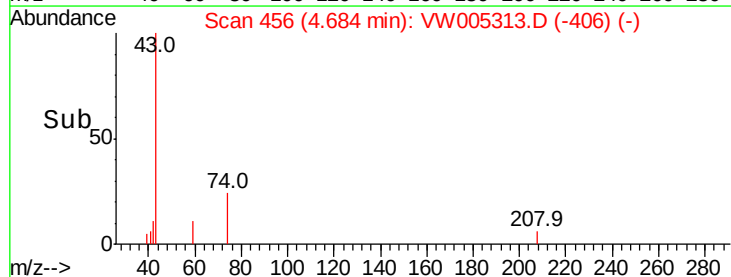
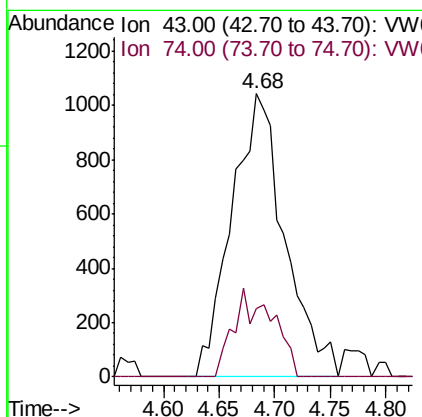
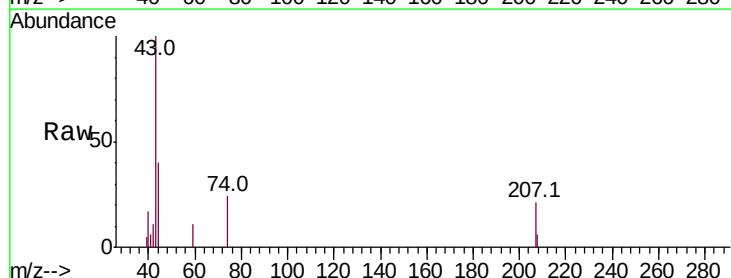
Instrument :
MSVOA_W
ClientSampled :

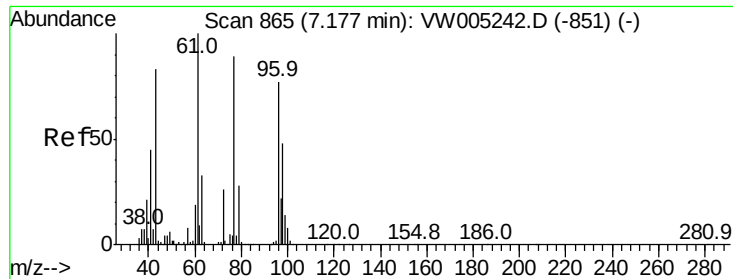
Tot Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
58 19.3 26.7 40.1#



#18
Methyl Acetate
Concen: 1.656 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

Tgt Ion: 43 Resp: 3446
Ion Ratio Lower Upper
43 100
74 12.9 21.4 32.2#





#25

2-Butanone

Concen: 3.130 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005313.D

Acq: 12 Sep 2018 09:21

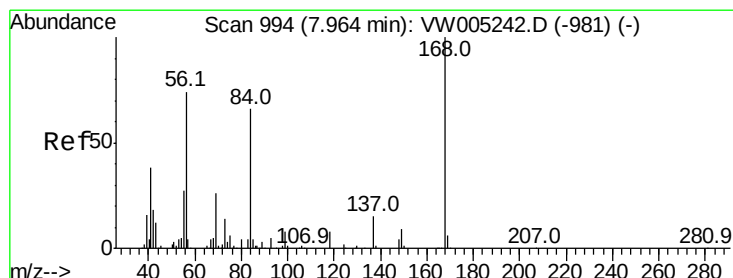
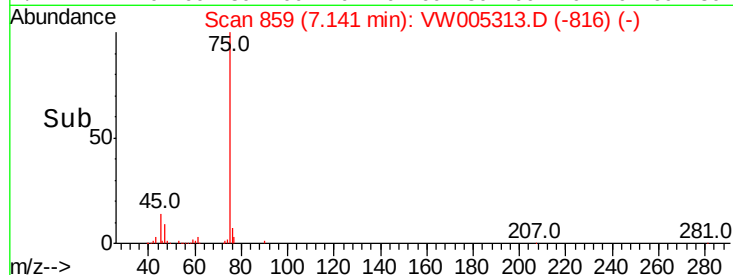
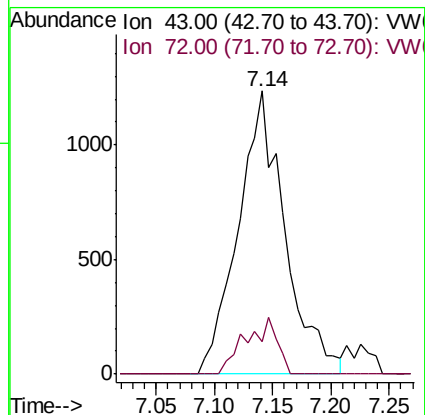
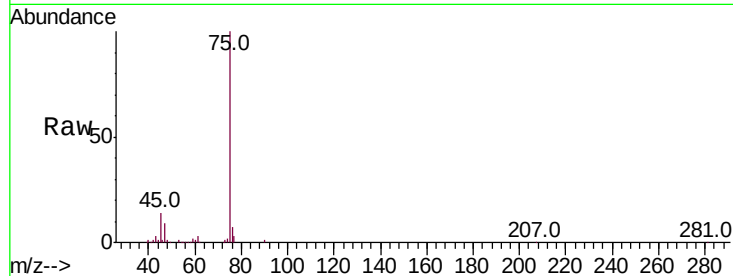
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3442

Ion Ratio Lower Upper

43 100

72 11.3 25.0 37.6#



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005313.D

Acq: 12 Sep 2018 09:21

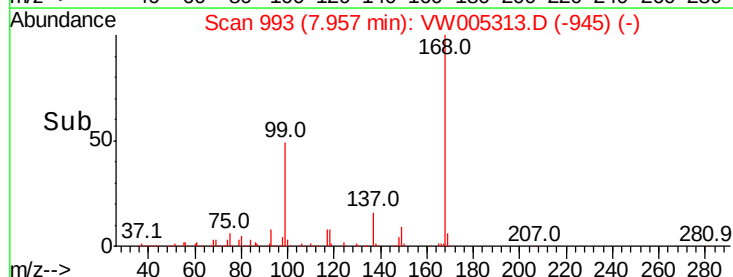
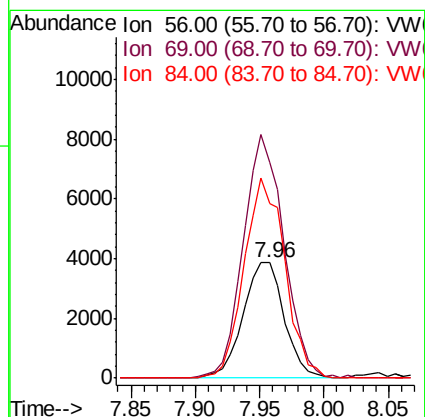
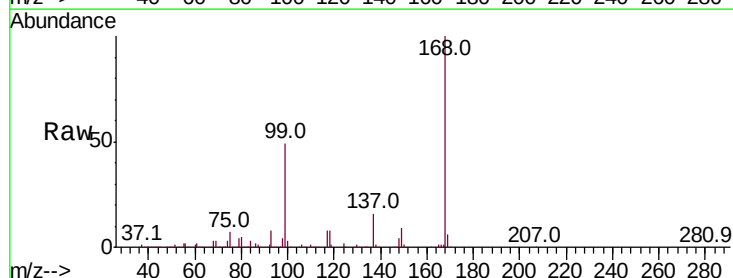
Tgt Ion: 56 Resp: 8557

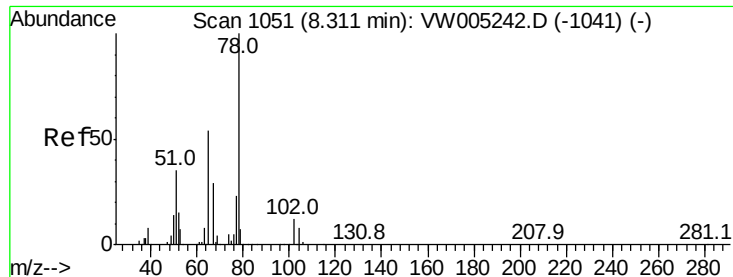
Ion Ratio Lower Upper

56 100

69 186.2 27.8 41.8#

84 150.9 72.1 108.1#

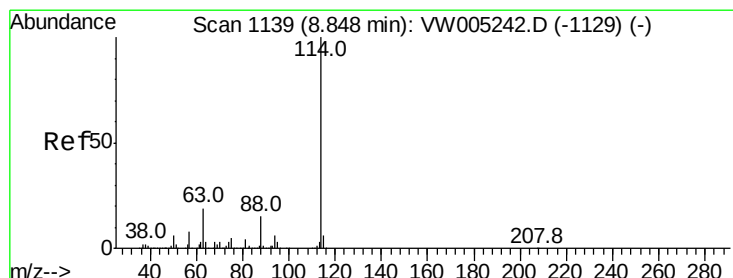
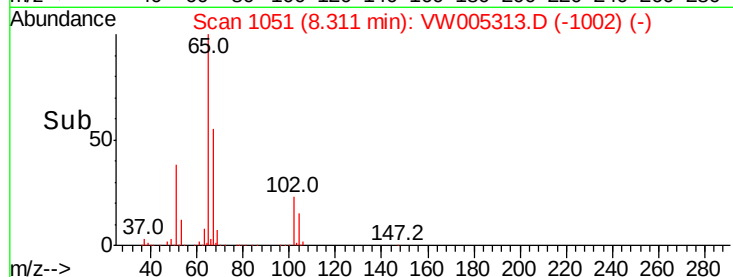
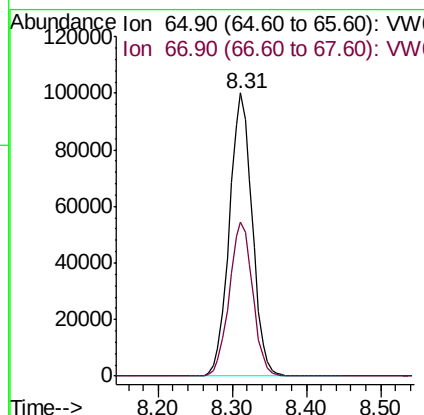
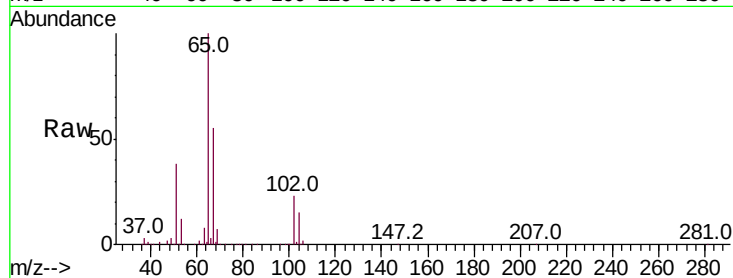




#33
 1,2-Dichloroethane-d4
 Concen: 57.009 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005313.D
 Acq: 12 Sep 2018 09:21

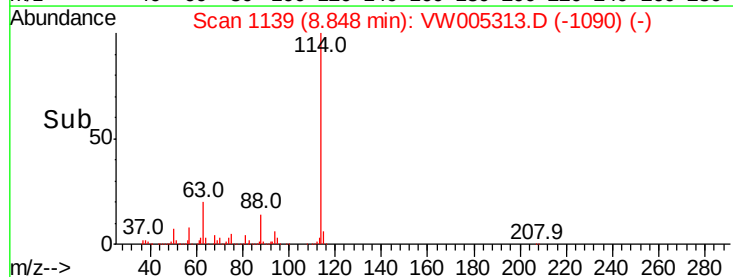
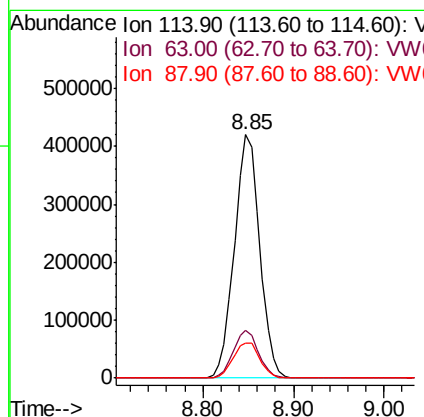
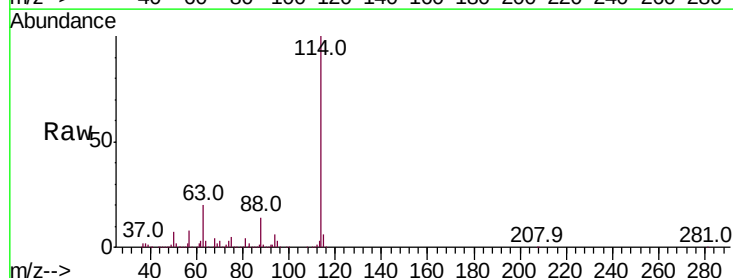
Instrument :
 MSVOA_W
 ClientSampleId :

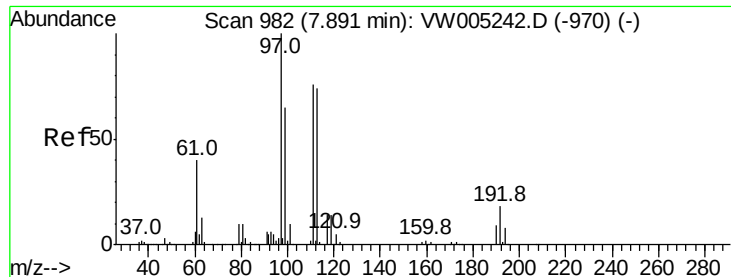
Tot Ion: 65 Resp: 214123
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005313.D
 Acq: 12 Sep 2018 09:21

Tgt Ion: 114 Resp: 815532
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.0
 88 14.2 0.0 30.4

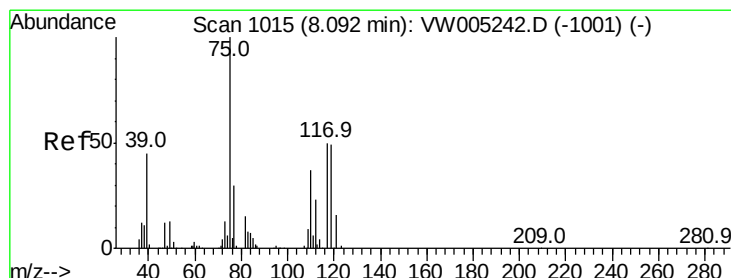
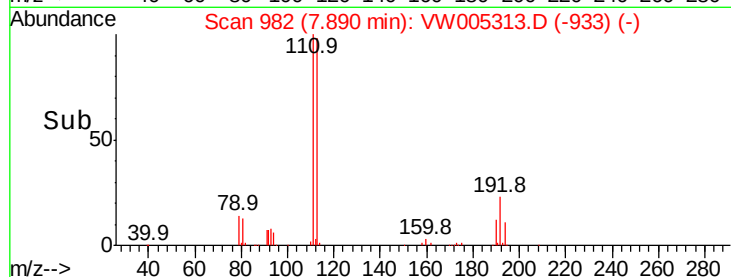
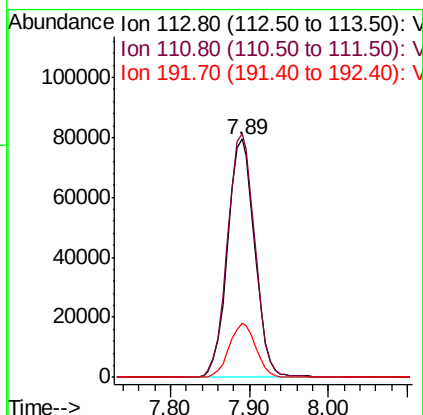
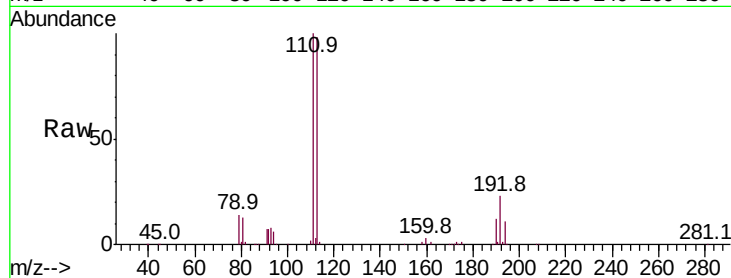




#35
 Dibromofluoromethane
 Concen: 44.425 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005313.D
 Acq: 12 Sep 2018 09:21

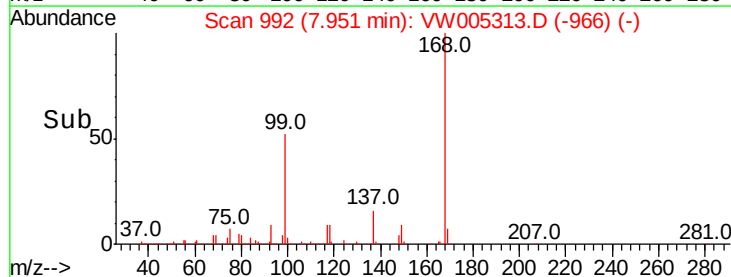
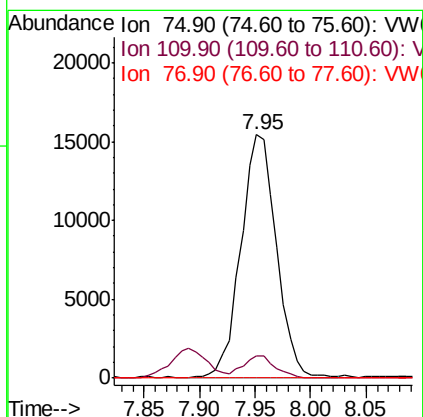
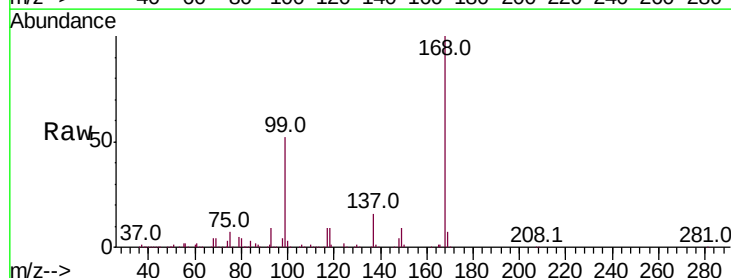
Instrument :
 MSVOA_W
 ClientSampleId :

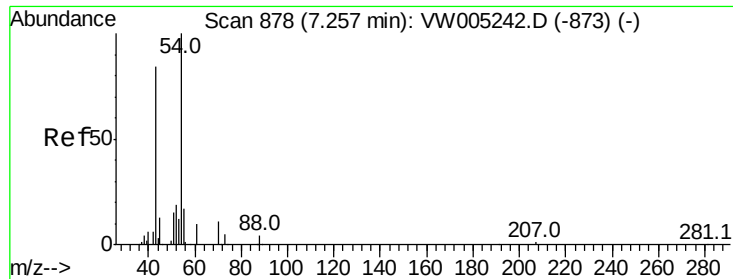
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.6	121.0
192	22.4	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.595 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005313.D
 Acq: 12 Sep 2018 09:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.8	56.4#
77	0.0	24.9	37.3#

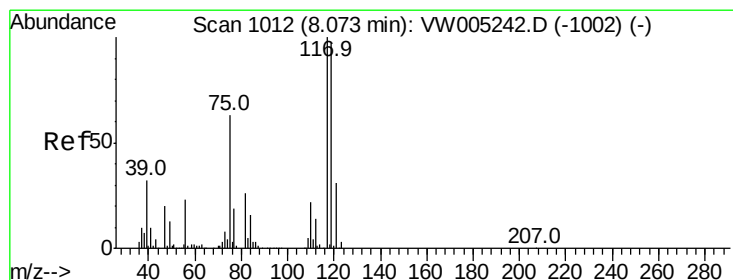
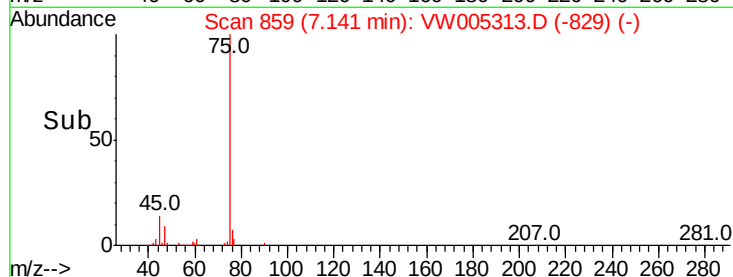
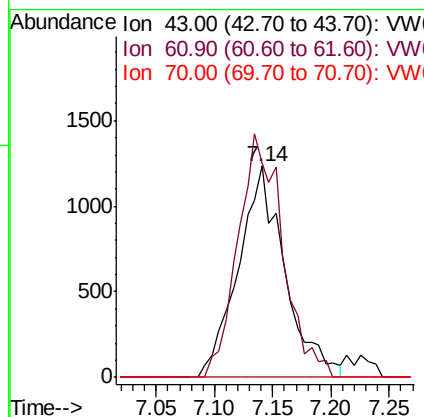
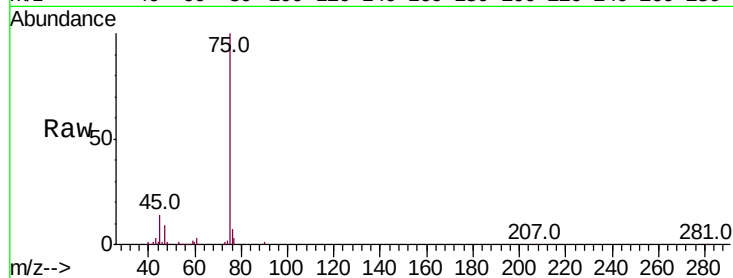




#37
Ethyl Acetate
Concen: 1.211 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.12 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

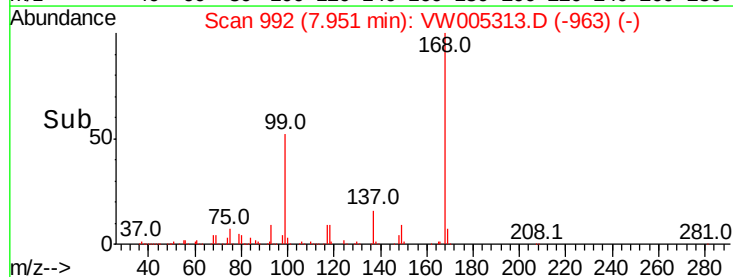
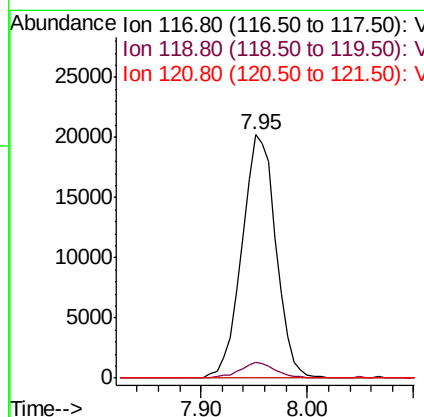
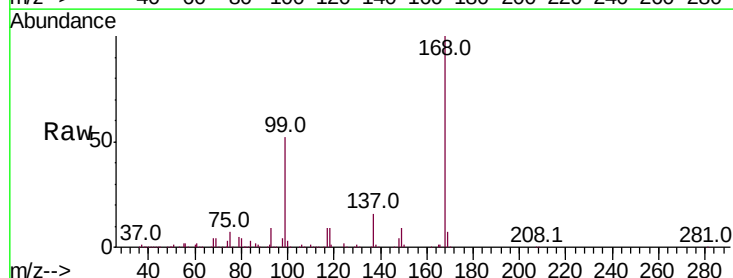
Instrument :
MSVOA_W
ClientSampleId :

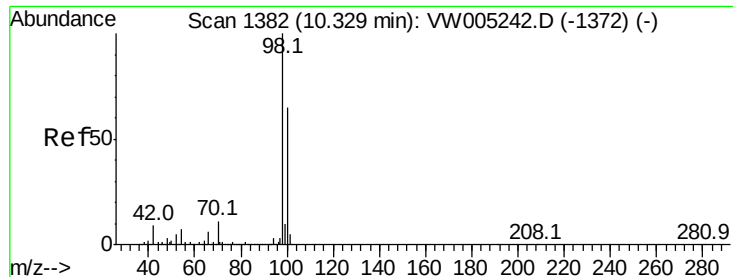
Tot Ion: 43 Resp: 3442
Ion Ratio Lower Upper
43 100
61 110.1 12.3 18.5#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 6.485 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

Tgt Ion: 117 Resp: 45390
Ion Ratio Lower Upper
117 100
119 6.4 77.5 116.3#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 32.891 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005313.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_W

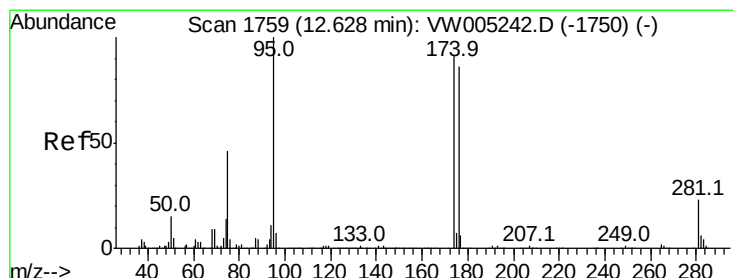
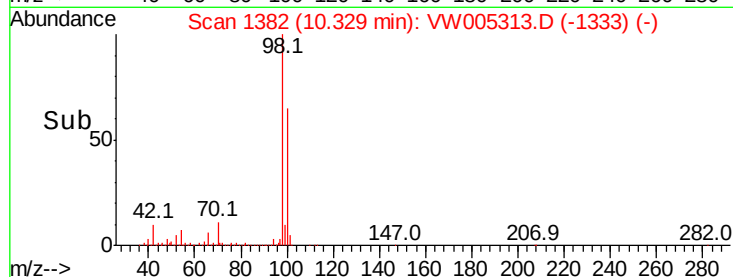
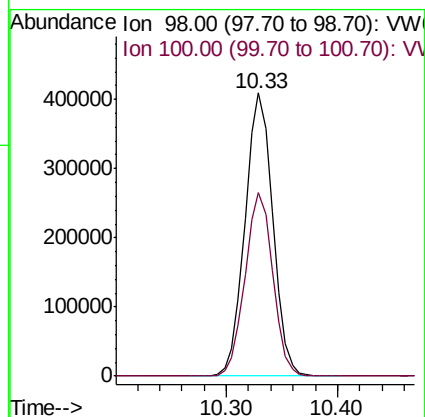
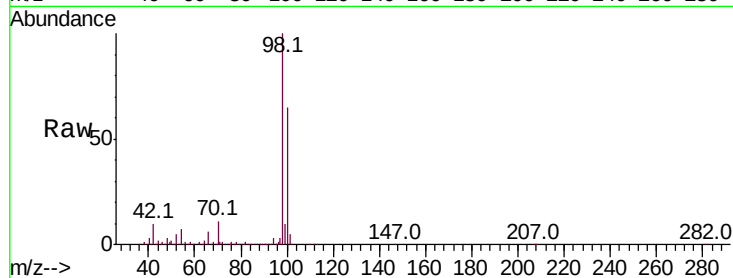
ClientSampleId :

Tot Ion: 98 Resp: 710035

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 29.414 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005313.D

Acq: 12 Sep 2018 09:21

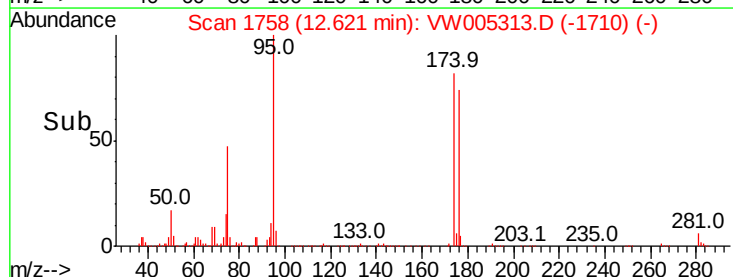
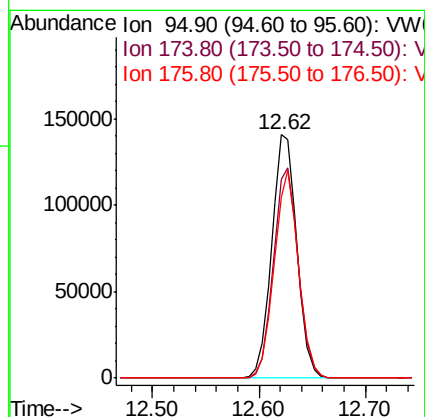
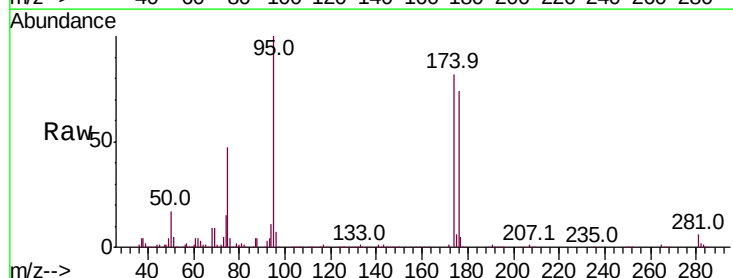
Tgt Ion: 95 Resp: 232257

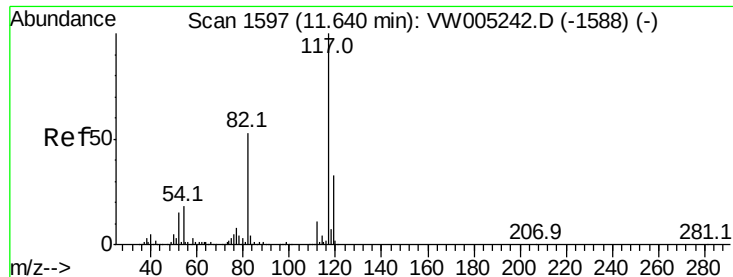
Ion Ratio Lower Upper

95 100

174 85.2 0.0 174.6

176 82.0 0.0 167.6

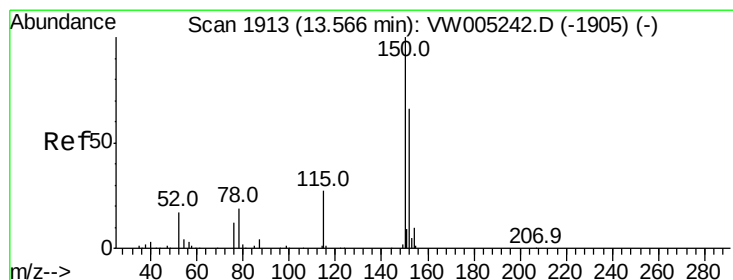
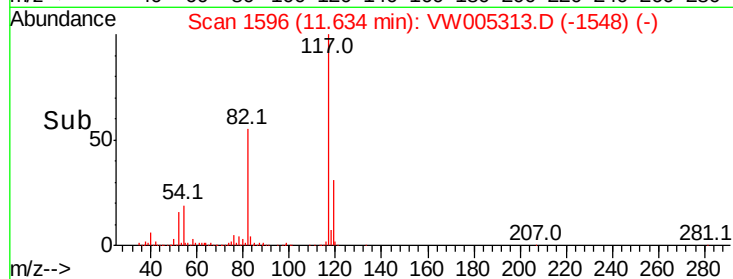
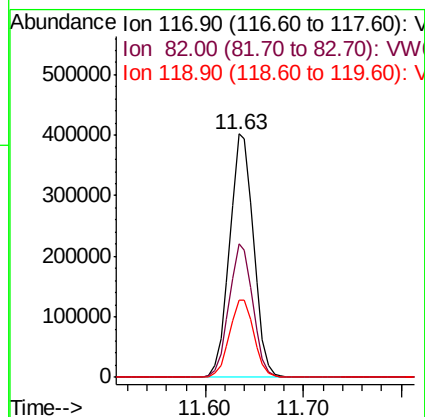
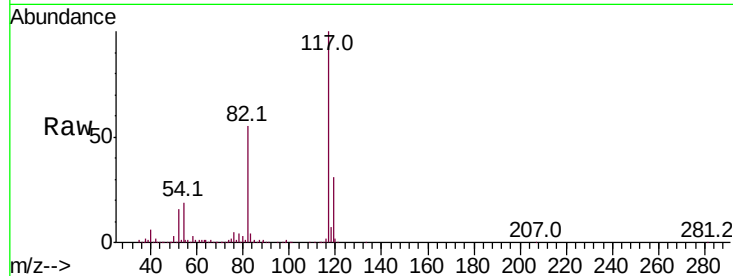




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

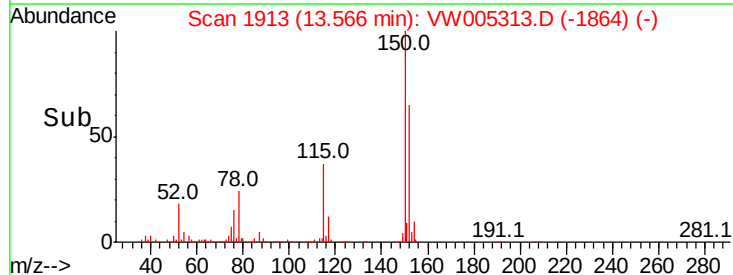
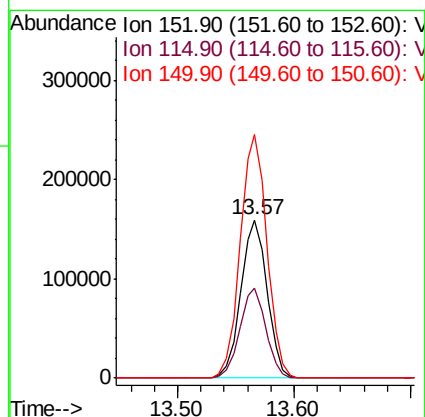
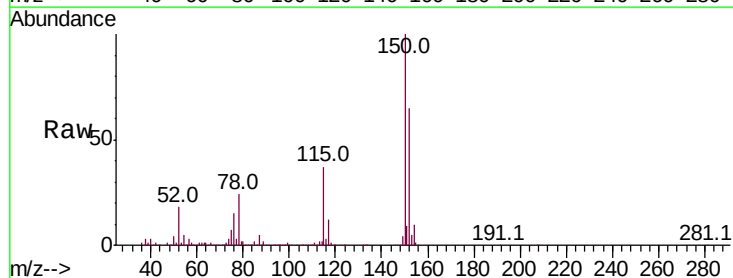
Instrument :
MSVOA_W
ClientSampleId :

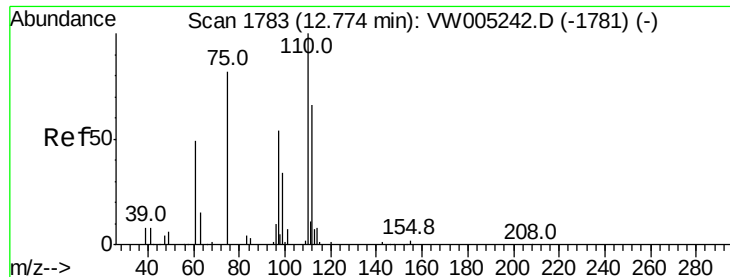
Tot Ion:117 Resp: 681262
Ion Ratio Lower Upper
117 100
82 54.7 42.6 63.8
119 31.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005313.D
Acq: 12 Sep 2018 09:21

Tgt Ion:152 Resp: 251293
Ion Ratio Lower Upper
152 100
115 56.7 27.5 82.4
150 155.7 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 55.509 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005313.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_W

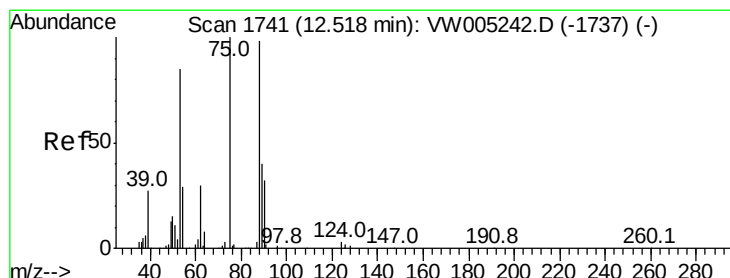
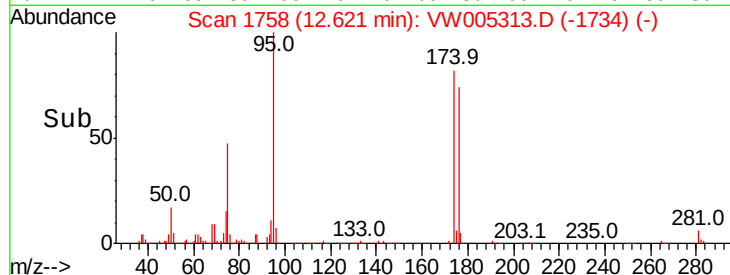
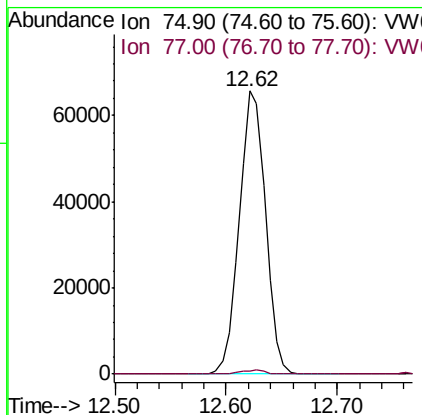
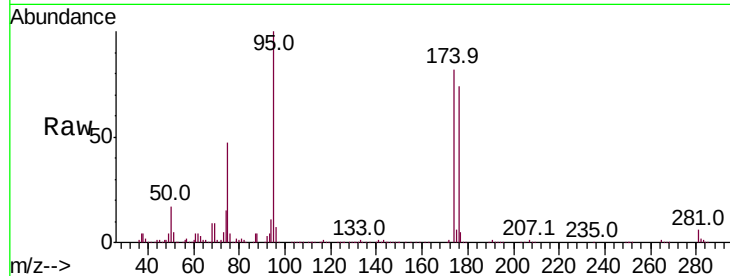
ClientSampleId :

Tot Ion: 75 Resp: 107288

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.180 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005313.D

Acq: 12 Sep 2018 09:21

Tgt Ion: 75 Resp: 107288

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.0 37.0 55.4#

