

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005277.D
 Acq On : 11 Sep 2018 15:53
 Operator : SY/AP
 Sample : J4693-16RE
 Misc : 7.02G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 11 16:42:02 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	504522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	786308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	789788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	421078	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	177393	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
35) Dibromofluoromethane	7.89	113	173987	42.24	ug/l	0.00
Spiked Amount			Recovery	=	84.48%	
50) Toluene-d8	10.33	98	812456	39.03	ug/l	0.00
Spiked Amount			Recovery	=	78.06%	
62) 4-Bromofluorobenzene	12.63	95	301677	39.63	ug/l	0.00
Spiked Amount			Recovery	=	79.26%	

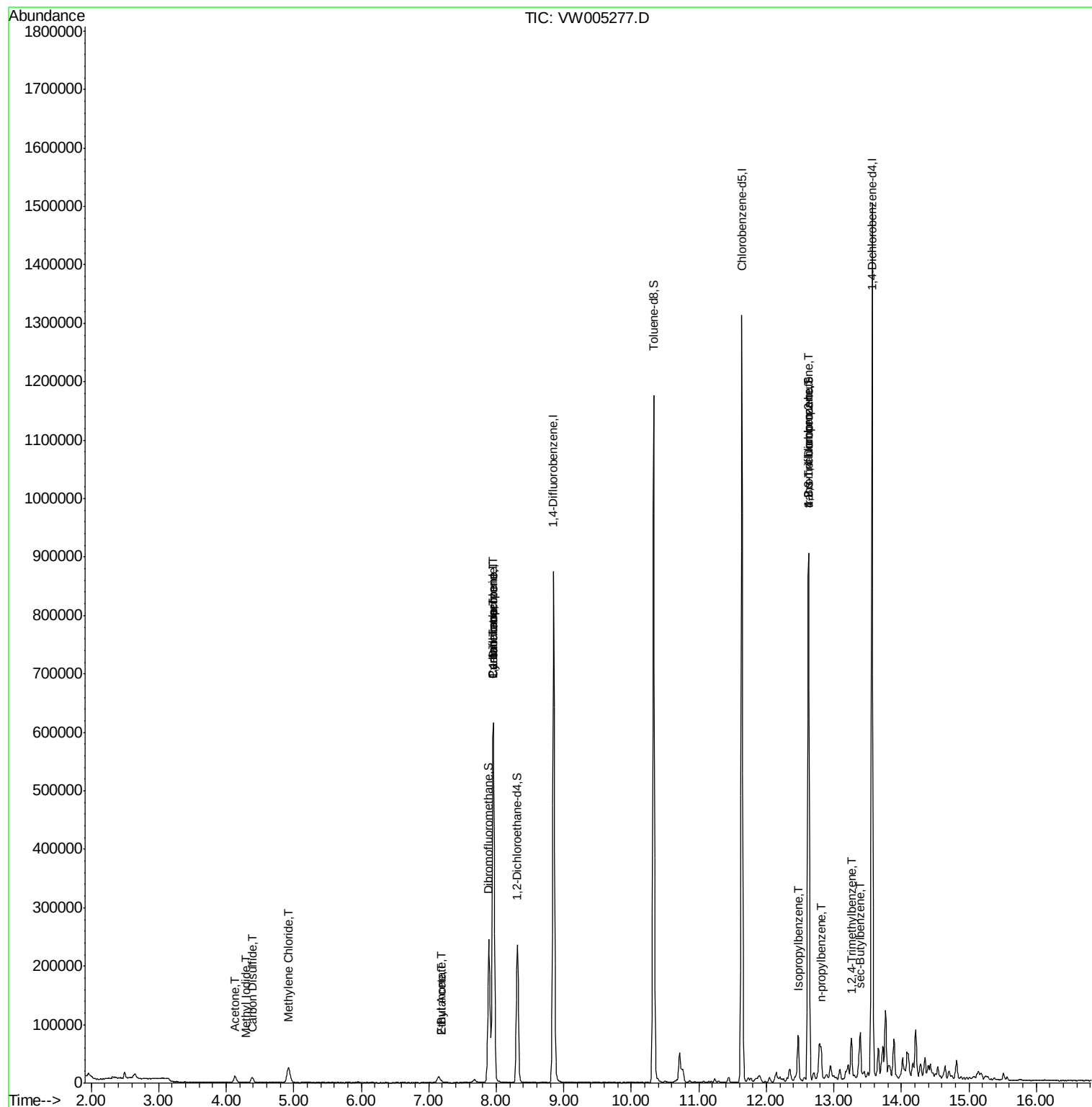
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	681	Below Cal		93
10) Methyl Iodide	4.28	142	673	3.444	ug/l #	66
16) Acetone	4.13	43	19019	27.229	ug/l	99
17) Carbon Disulfide	4.38	76	18805	1.348	ug/l	96
20) Methylene Chloride	4.92	84	22572	1.130	ug/l	97
25) 2-Butanone	7.19	43	4205	3.817	ug/l #	84
31) Cyclohexane	7.96	56	8735	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	33860	4.700	ug/l #	47
37) Ethyl Acetate	7.19	43	4205	1.535	ug/l #	66
38) Carbon Tetrachloride	7.96	117	43628	6.465	ug/l #	17
73) Isopropylbenzene	12.47	105	49302	1.657	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	139013	42.922	ug/l #	100
78) n-propylbenzene	12.81	91	38847	1.087	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	139013	100.662	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	40639	1.596	ug/l	97
85) sec-Butylbenzene	13.39	105	48260	1.516	ug/l	79

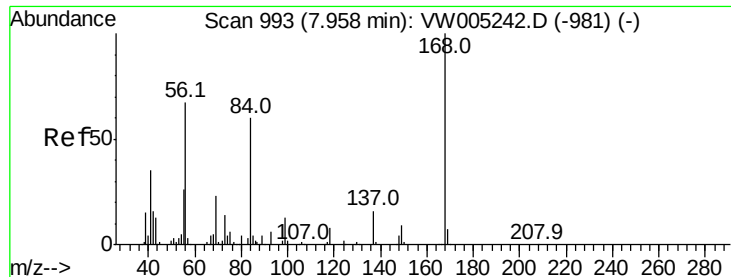
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005277.D

Acq: 11 Sep 2018 15:53

Instrument :

MSVOA_W

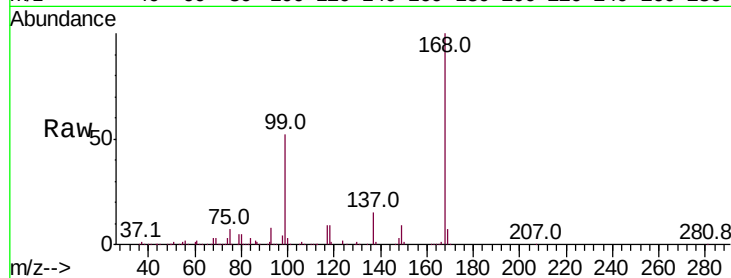
ClientSampleId :

Tot Ion:168 Resp: 504522

Ion Ratio Lower Upper

168 100

99 52.1 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

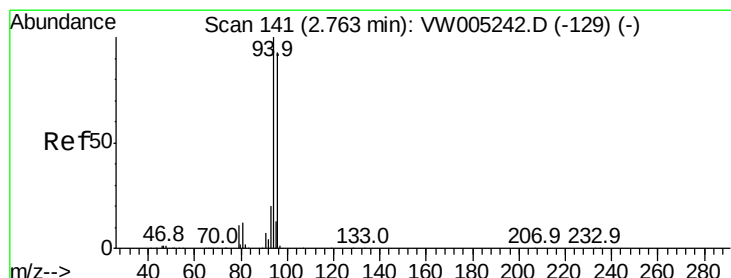
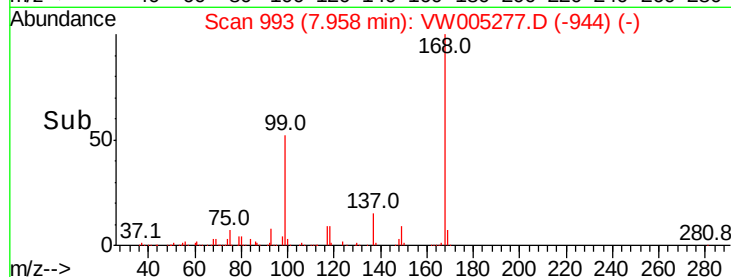
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW005277.D

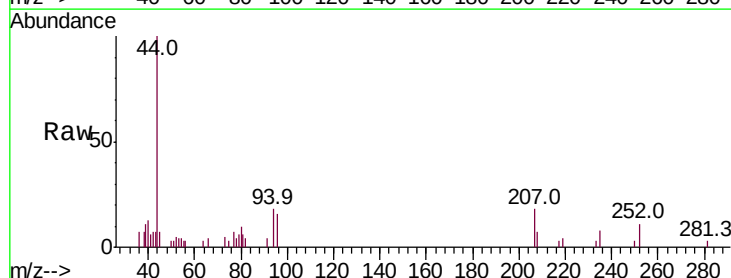
Acq: 11 Sep 2018 15:53

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

94 100

96 99.4 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

400

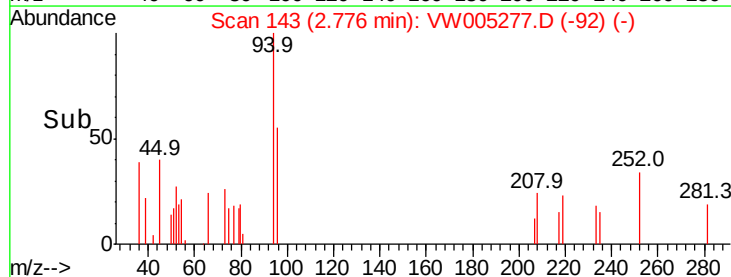
300

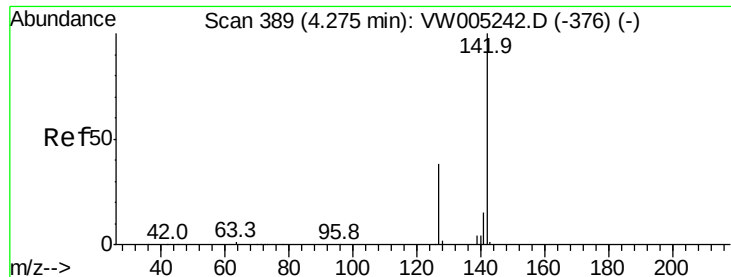
200

100

0

Time--> 2.70 2.75 2.80

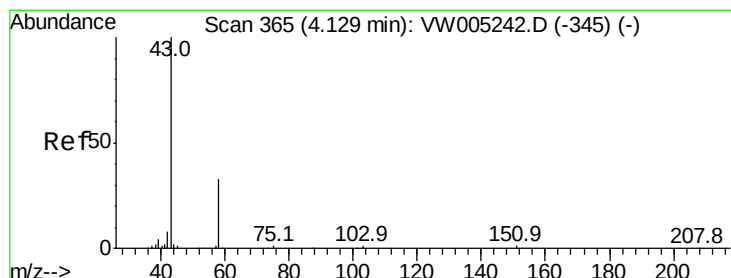
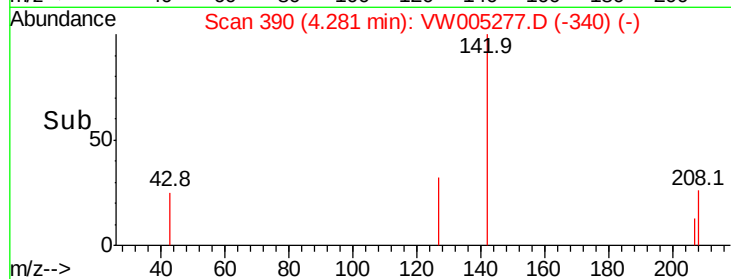
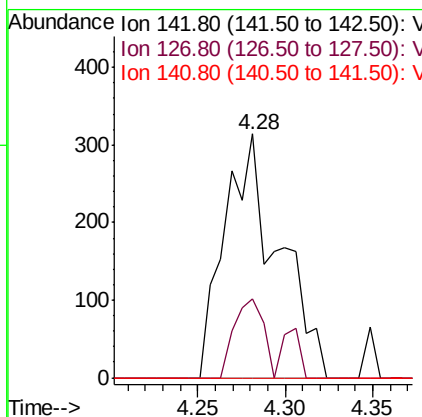
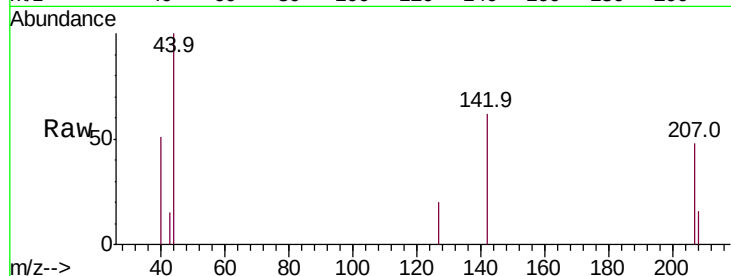




#10
Methvl Iodide
Concen: 3.444 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.01 min
Lab File: VW005277.D
Acq: 11 Sep 2018 15:53

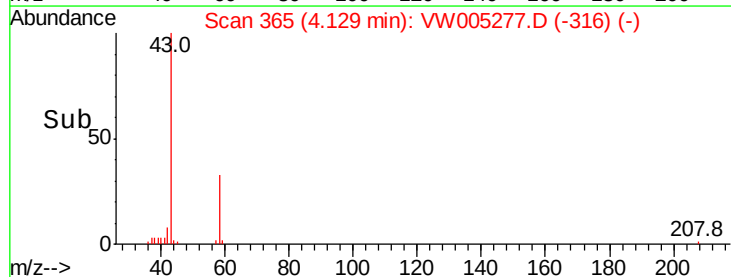
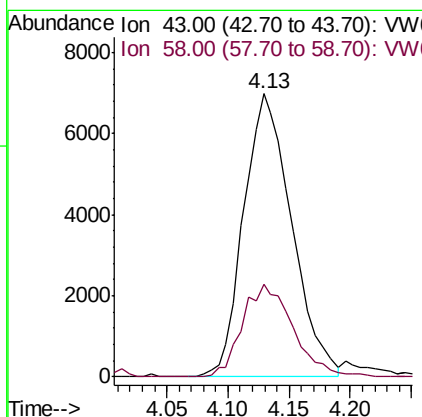
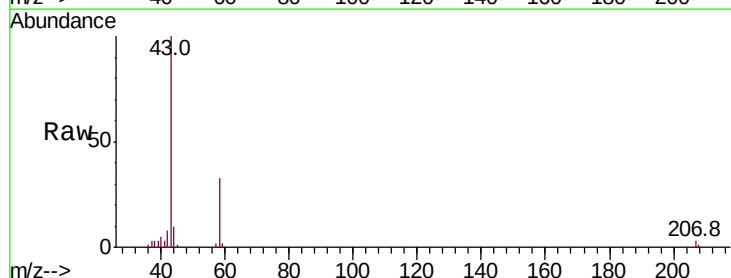
Instrument :
MSVOA_W
ClientSampleId :

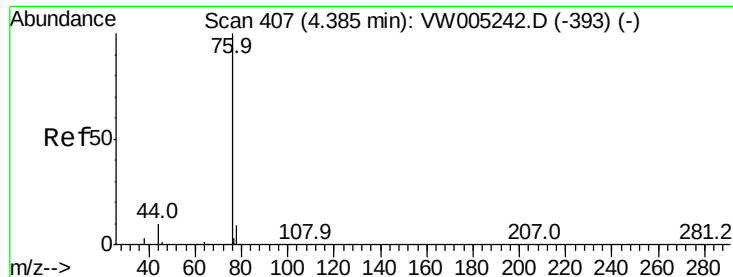
Tot Ion:142 Resp: 673
Ion Ratio Lower Upper
142 100
127 17.5 30.3 45.5#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 27.229 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW005277.D
Acq: 11 Sep 2018 15:53

Tgt Ion: 43 Resp: 19019
Ion Ratio Lower Upper
43 100
58 32.8 26.7 40.1





#17

Carbon Disulfide

Concen: 1.348 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

Instrument :

MSVOA_W

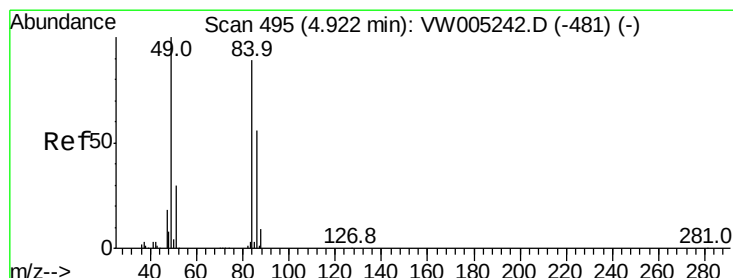
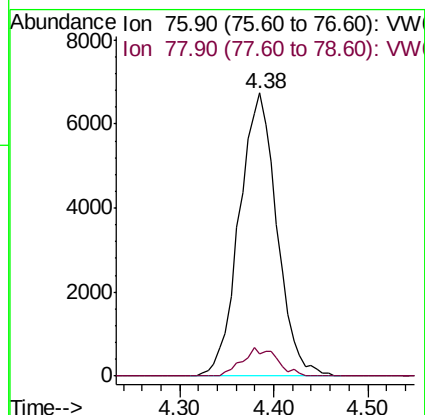
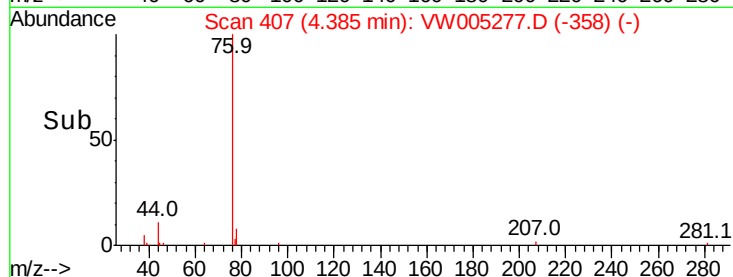
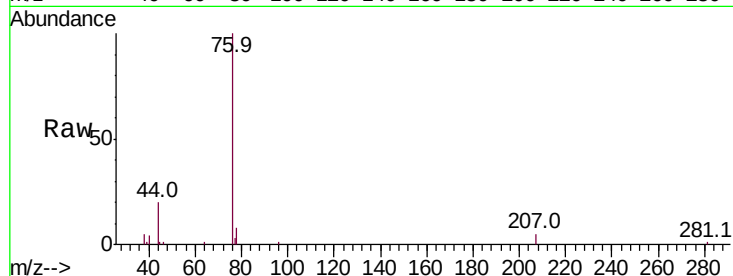
ClientSampleId :

Tot Ion: 76 Resp: 18805

Ion Ratio Lower Upper

76 100

78 7.8 7.5 11.3



#20

Methylene Chloride

Concen: 1.130 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

Tgt Ion: 84 Resp: 22572

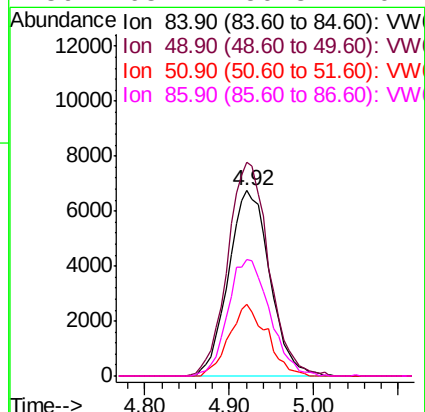
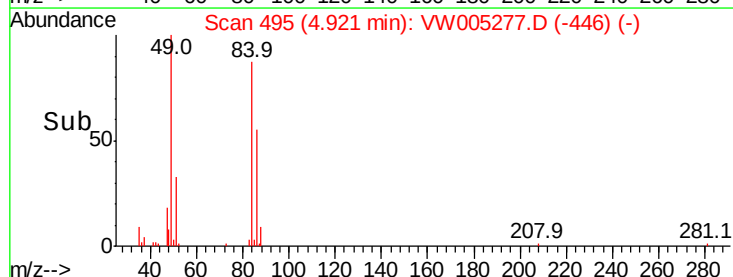
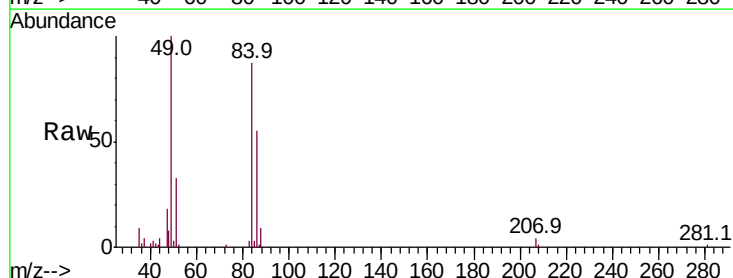
Ion Ratio Lower Upper

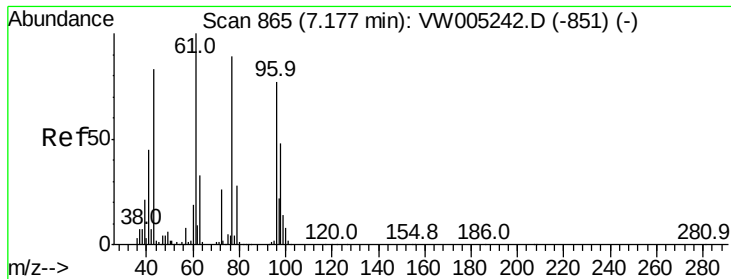
84 100

49 115.3 90.3 135.5

51 38.6 26.9 40.3

86 63.1 50.8 76.2





#25

2-Butanone

Concen: 3.817 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

Instrument :

MSVOA_W

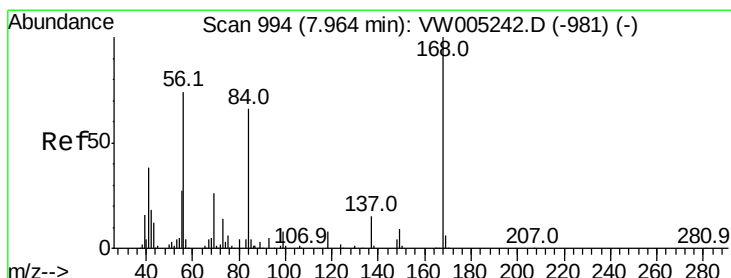
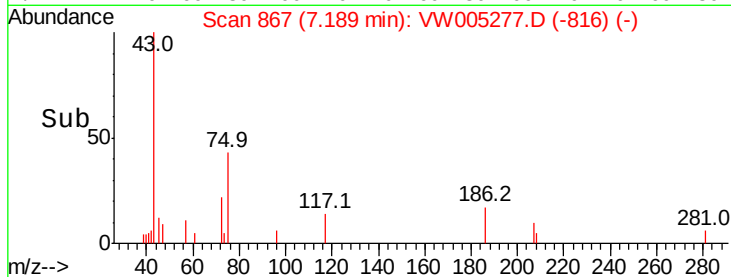
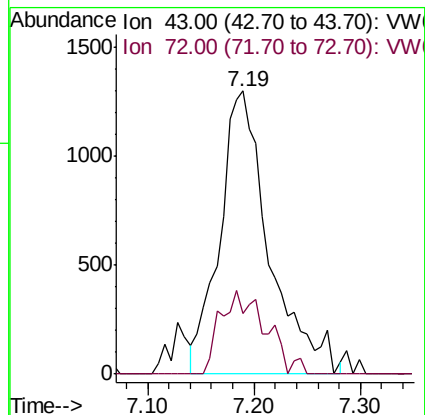
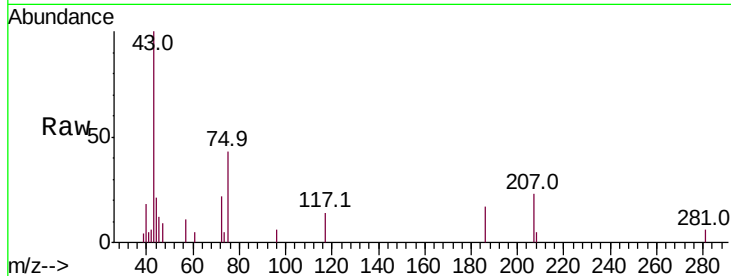
ClientSampled :

Tot Ion: 43 Resp: 4205

Ion Ratio Lower Upper

43 100

72 22.5 25.0 37.6#



#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

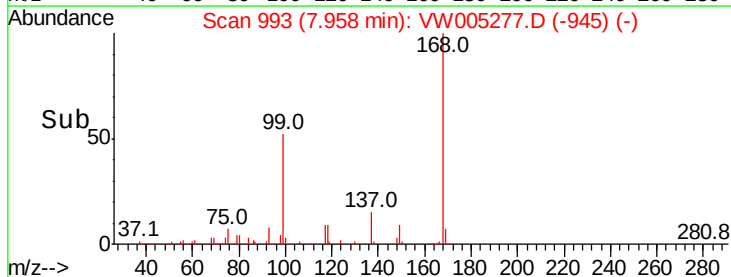
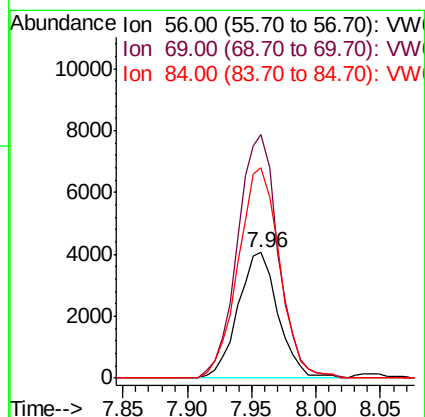
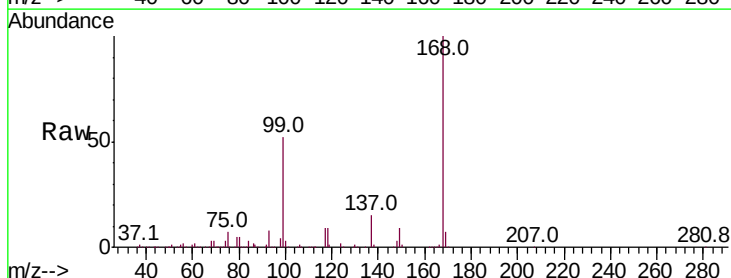
Tgt Ion: 56 Resp: 8735

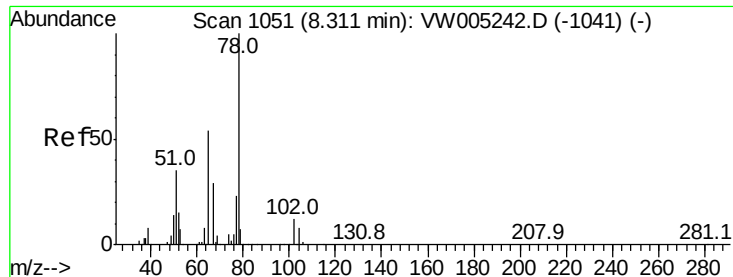
Ion Ratio Lower Upper

56 100

69 194.4 27.8 41.8#

84 168.2 72.1 108.1#

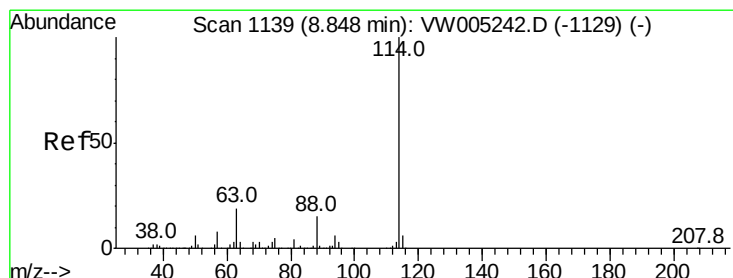
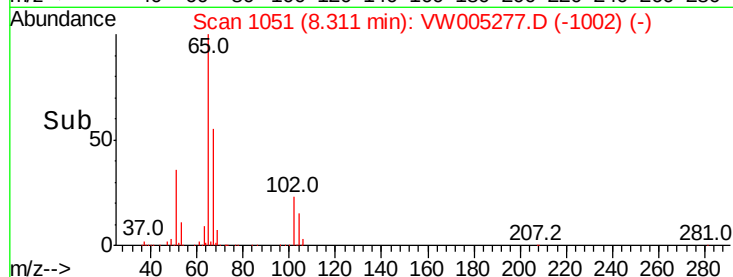
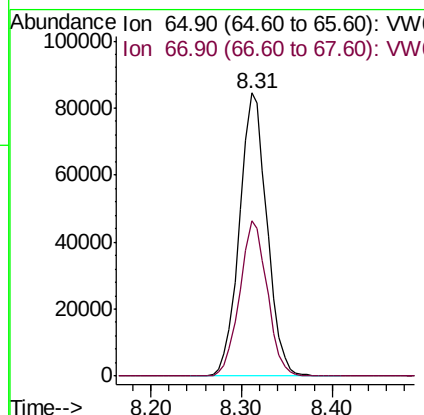
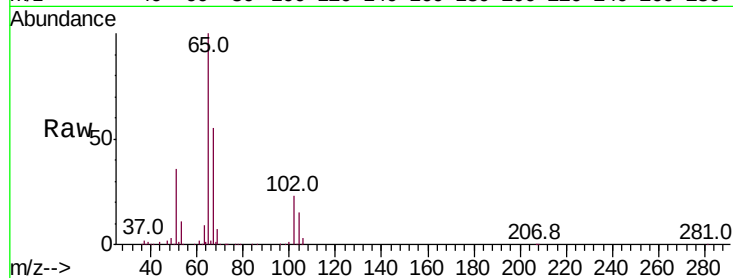




#33
 1,2-Dichloroethane-d4
 Concen: 47.141 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005277.D
 Acq: 11 Sep 2018 15:53

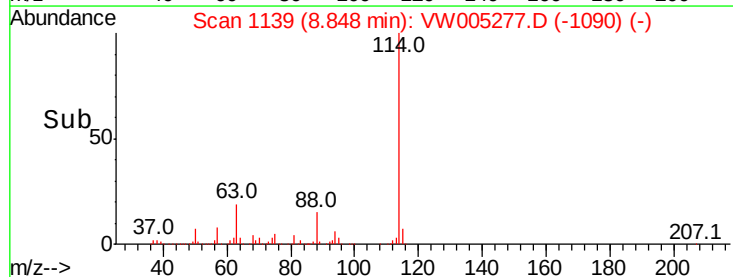
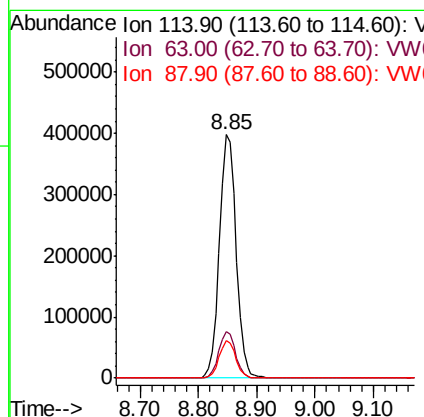
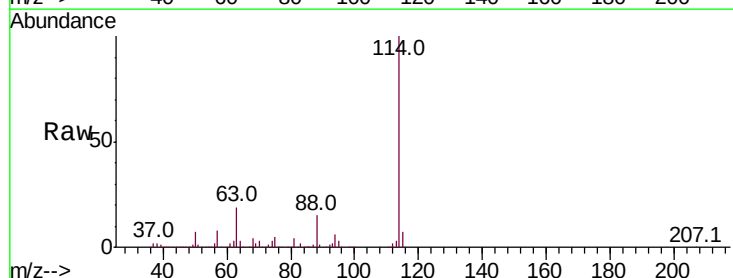
Instrument :
 MSVOA_W
 ClientSampleId :

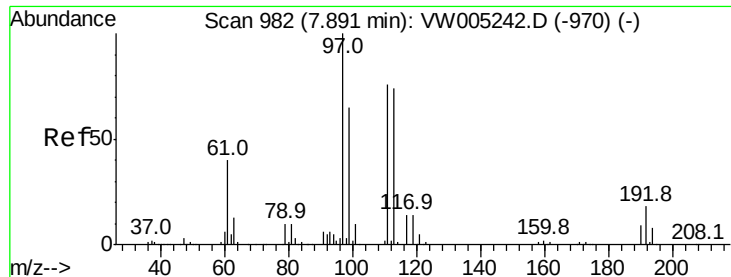
Tot Ion: 65 Resp: 177393
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005277.D
 Acq: 11 Sep 2018 15:53

Tgt Ion: 114 Resp: 786308
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 15.3 0.0 30.4

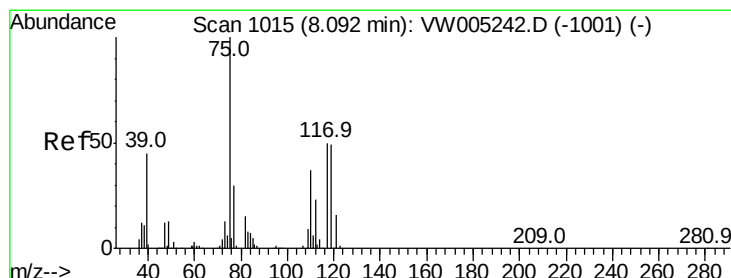
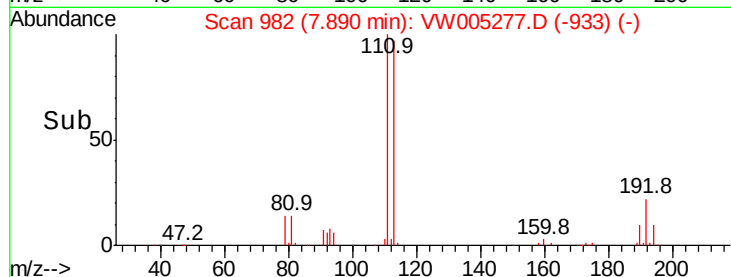
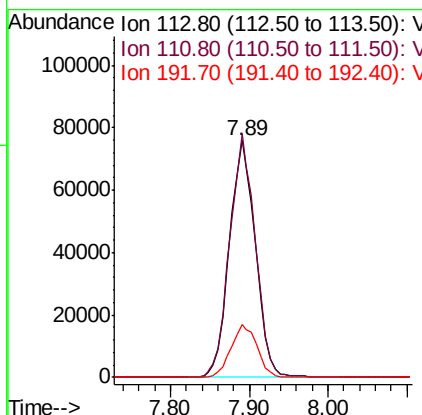
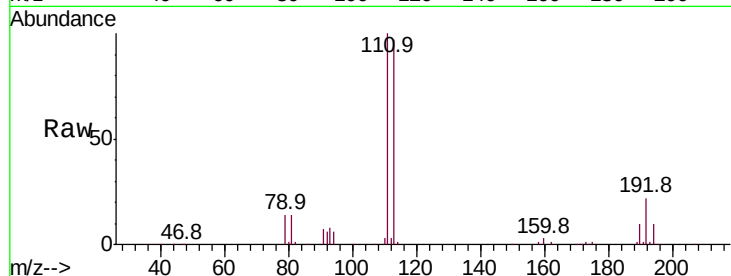




#35
 Dibromofluoromethane
 Concen: 42.241 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005277.D
 Acq: 11 Sep 2018 15:53

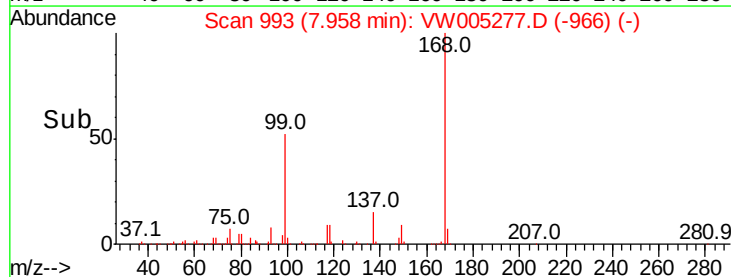
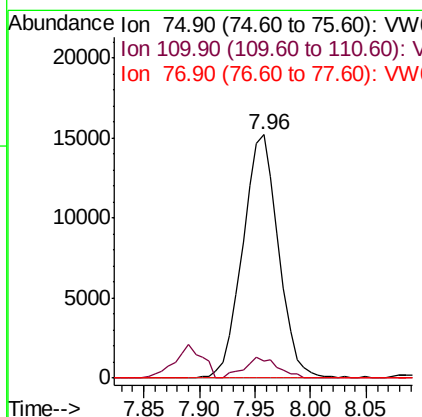
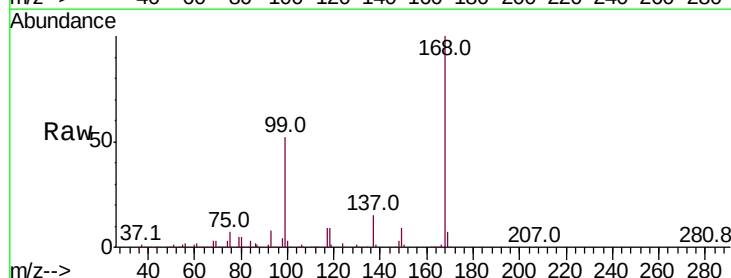
Instrument :
 MSVOA_W
 ClientSampled :

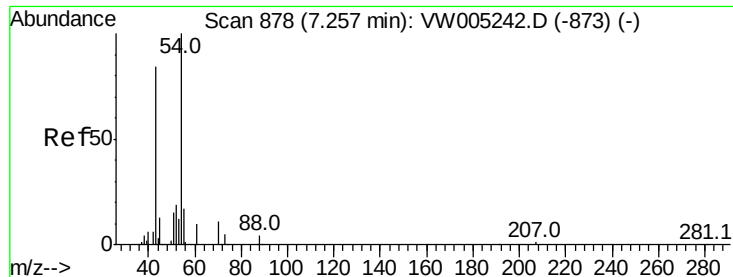
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	22.4	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005277.D
 Acq: 11 Sep 2018 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.8	56.4#
77	0.0	24.9	37.3#

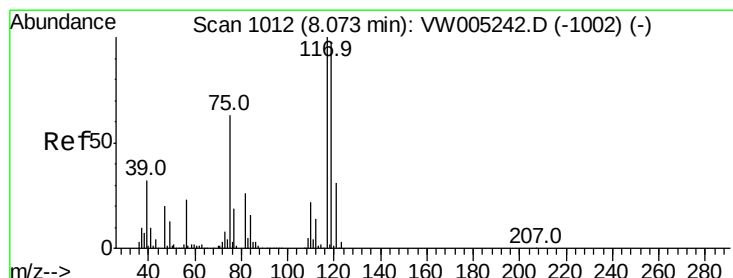
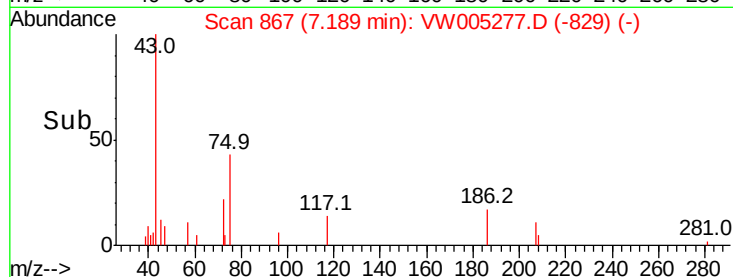
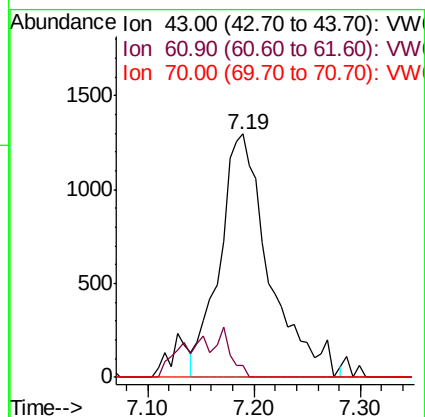
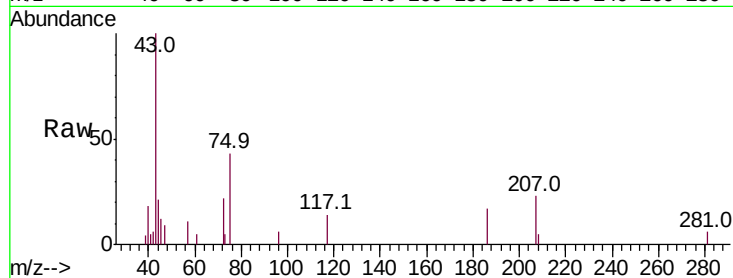




#37
Ethyl Acetate
Concen: 1.535 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.07 min
Lab File: VW005277.D
Acq: 11 Sep 2018 15:53

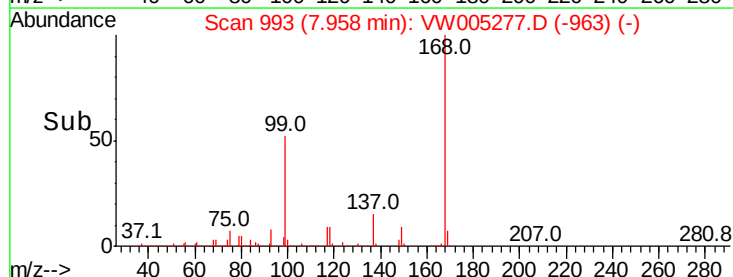
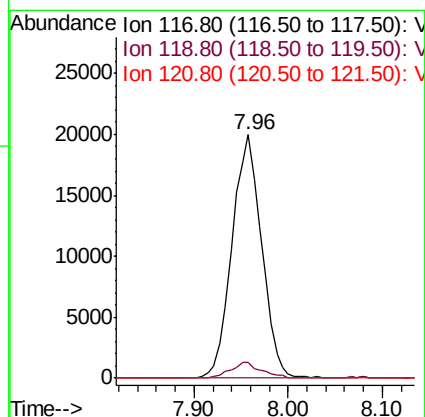
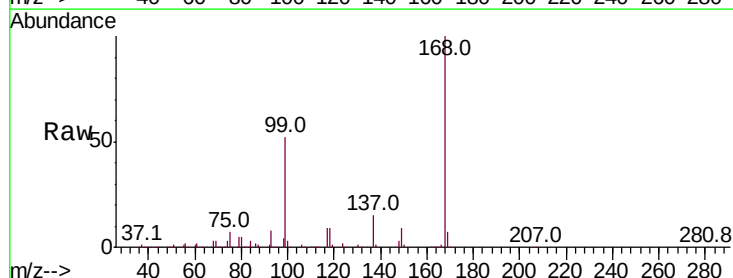
Instrument :
MSVOA_W
ClientSampleId :

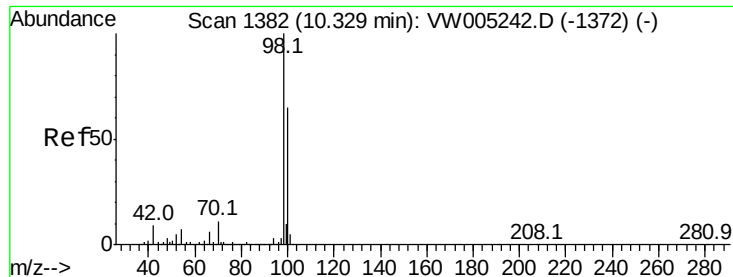
Tot Ion: 43 Resp: 4205
Ion Ratio Lower Upper
43 100
61 0.0 12.3 18.5#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 6.465 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005277.D
Acq: 11 Sep 2018 15:53

Tgt Ion: 117 Resp: 43628
Ion Ratio Lower Upper
117 100
119 6.6 77.5 116.3#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 39.035 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

Instrument :

MSVOA_W

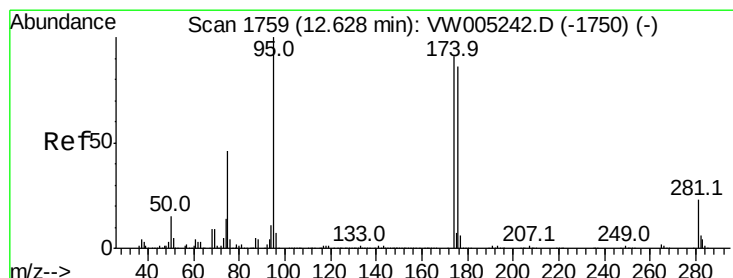
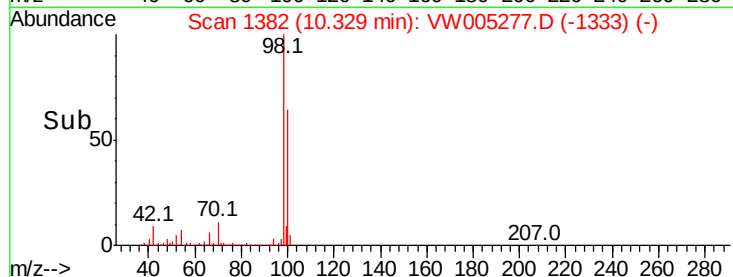
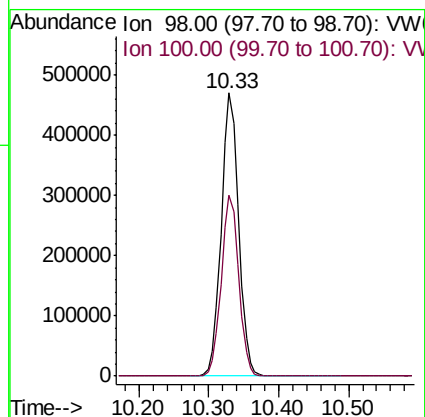
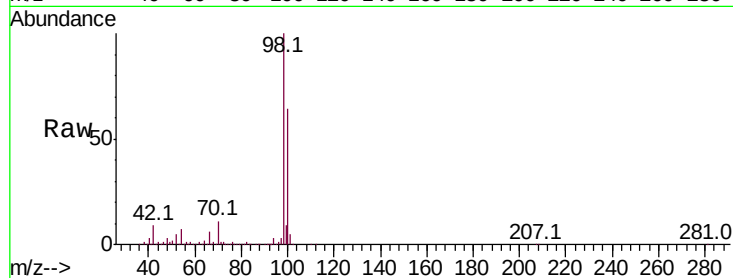
ClientSampleId :

Tot Ion: 98 Resp: 812456

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 39.626 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

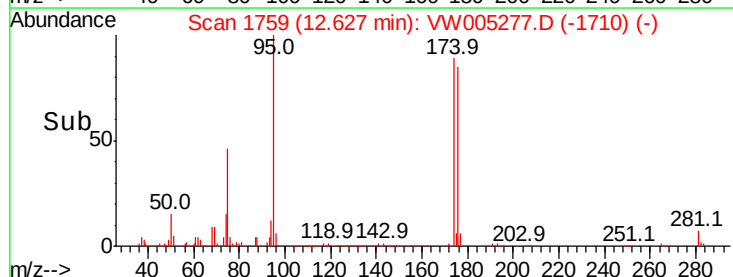
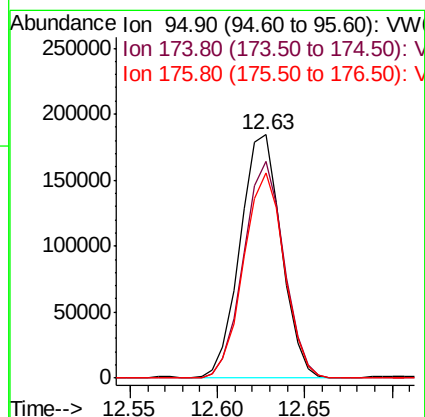
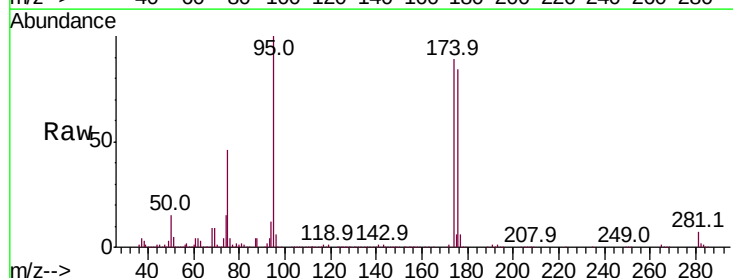
Tgt Ion: 95 Resp: 301677

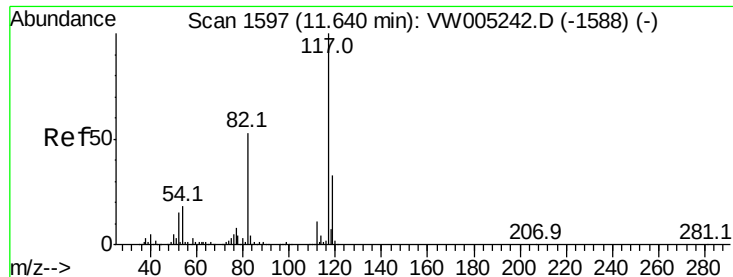
Ion Ratio Lower Upper

95 100

174 87.8 0.0 174.6

176 83.5 0.0 167.6

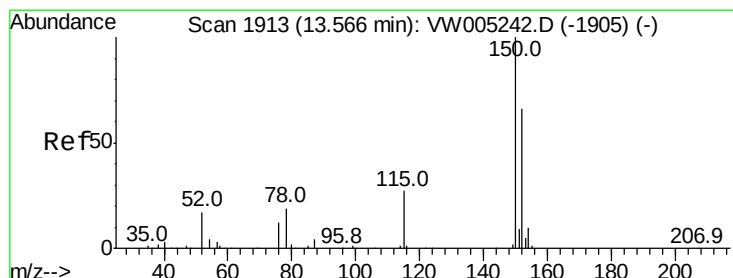
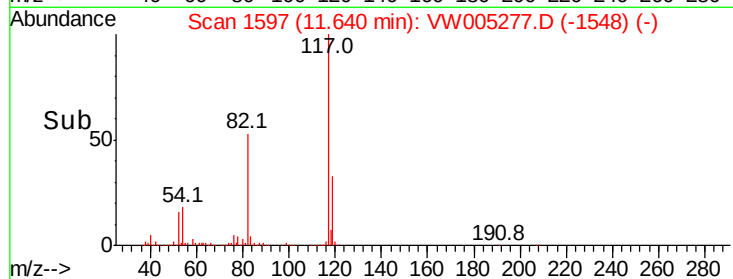
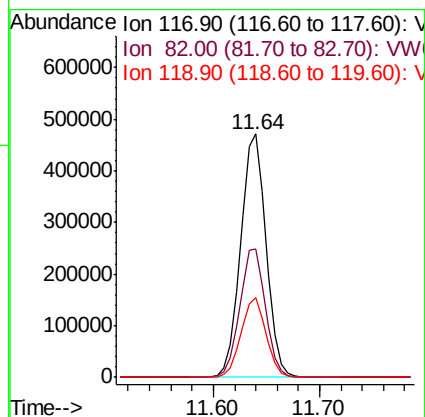
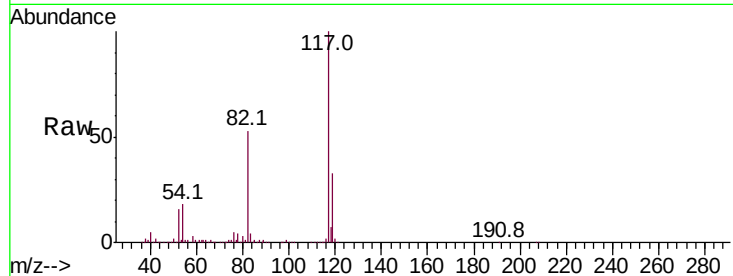




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005277.D
Acq: 11 Sep 2018 15:53

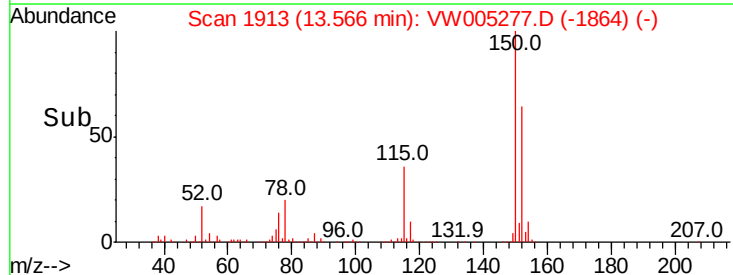
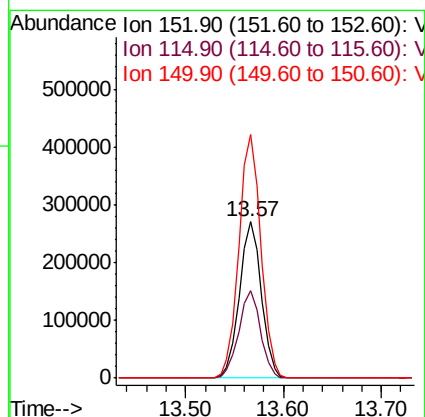
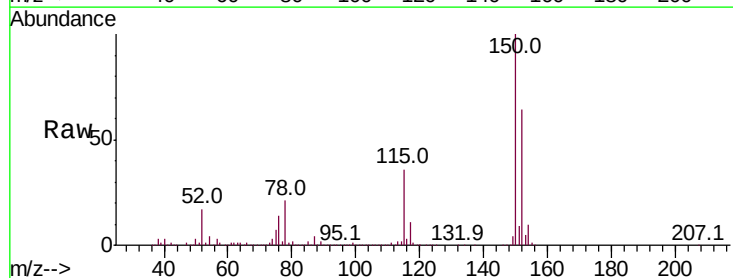
Instrument :
MSVOA_W
ClientSampleId :

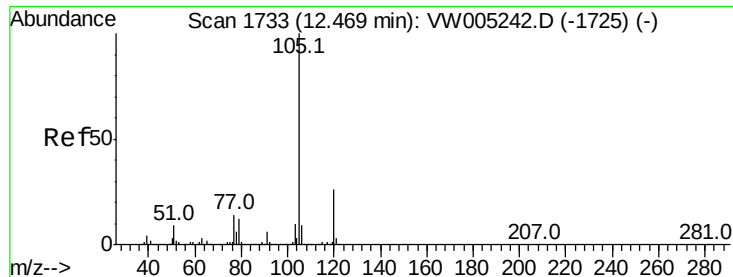
Tot Ion:117 Resp: 789788
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005277.D
Acq: 11 Sep 2018 15:53

Tgt Ion:152 Resp: 421078
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.4
150 156.5 0.0 347.4





#73

Isopropylbenzene

Concen: 1.657 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

Instrument :

MSVOA_W

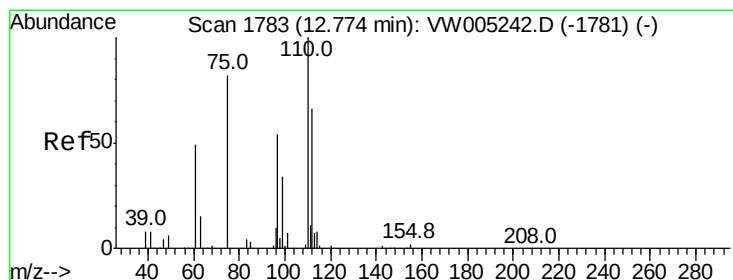
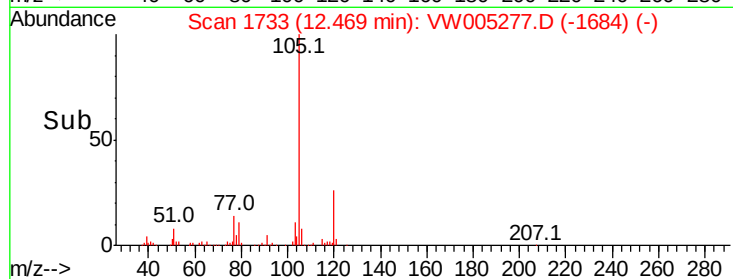
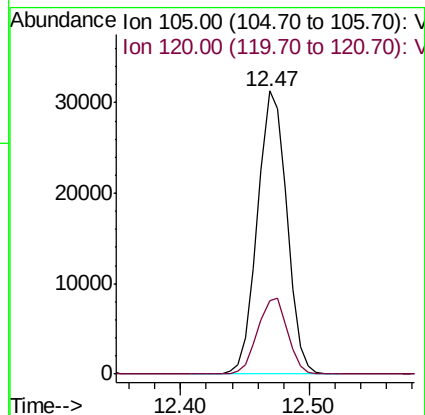
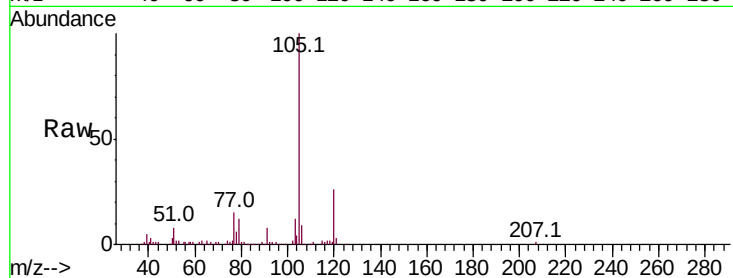
ClientSampleId :

Tot Ion:105 Resp: 49302

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



#76

1,2,3-Trichloropropane

Concen: 42.922 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005277.D

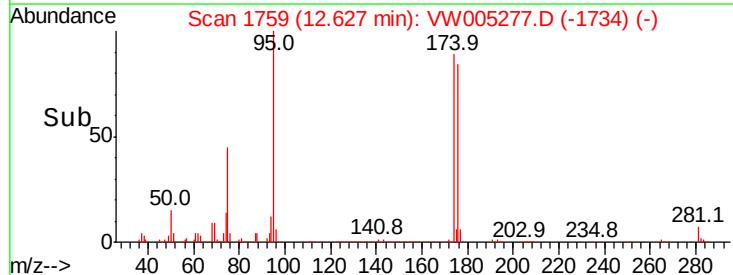
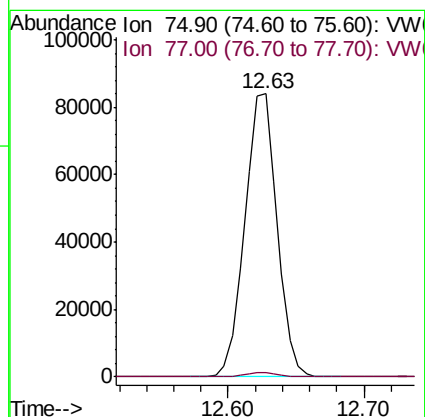
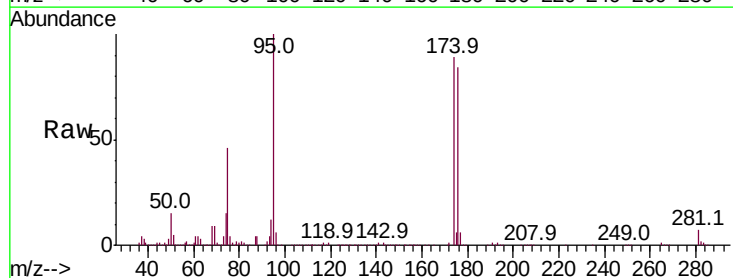
Acq: 11 Sep 2018 15:53

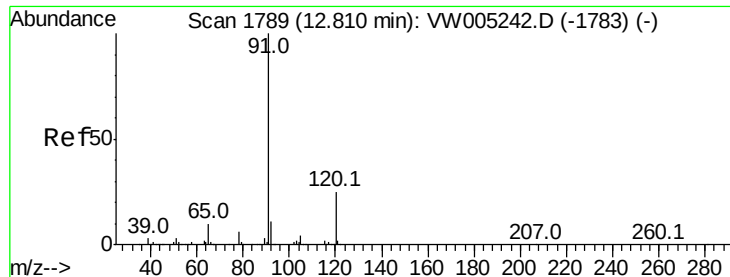
Tgt Ion: 75 Resp: 139013

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#78

n-propylbenzene

Concen: 1.087 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

Instrument :

MSVOA_W

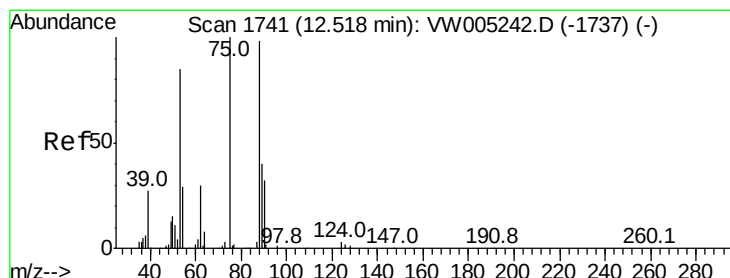
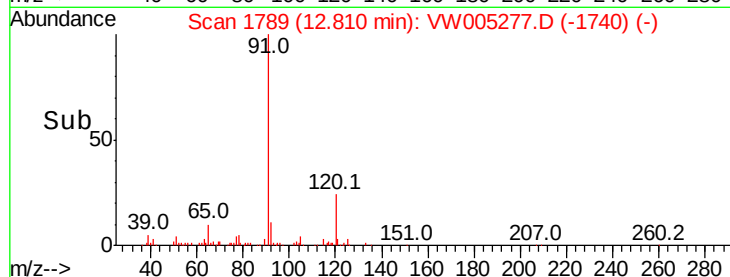
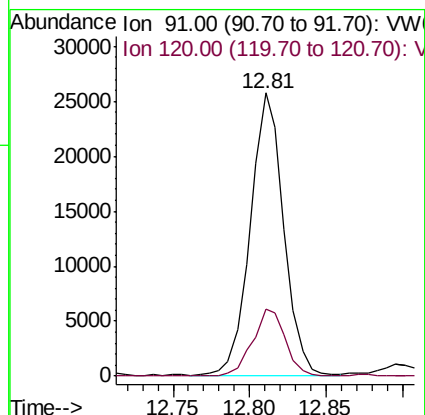
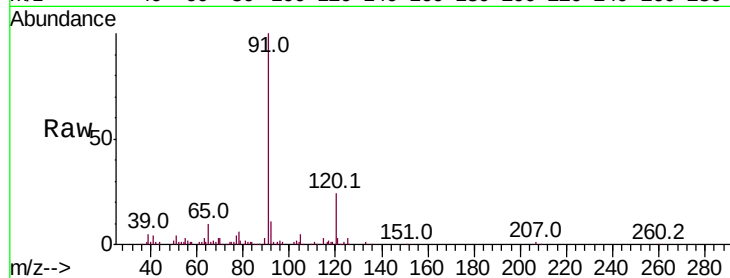
ClientSampleId :

Tot Ion: 91 Resp: 38847

Ion Ratio Lower Upper

91 100

120 23.2 12.0 36.0



#81

trans-1,4-Dichloro-2-butene

Concen: 100.662 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005277.D

Acq: 11 Sep 2018 15:53

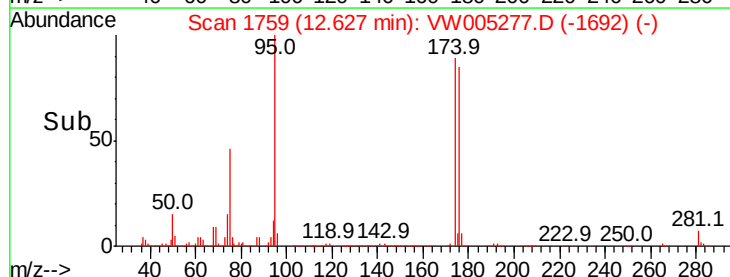
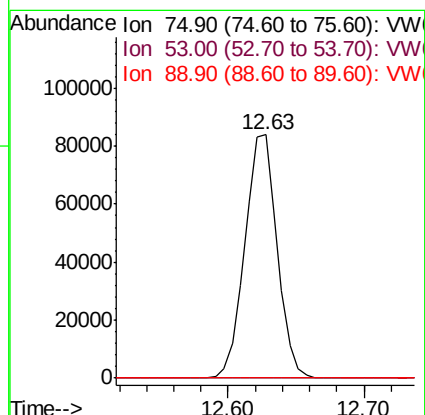
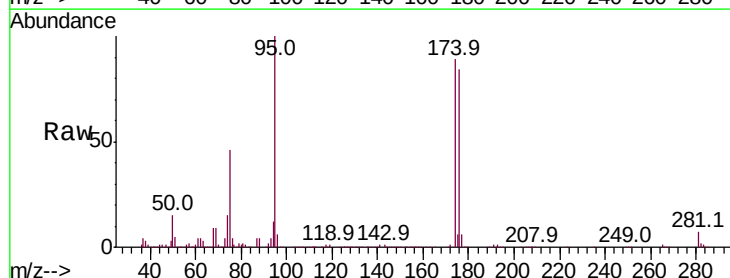
Tgt Ion: 75 Resp: 139013

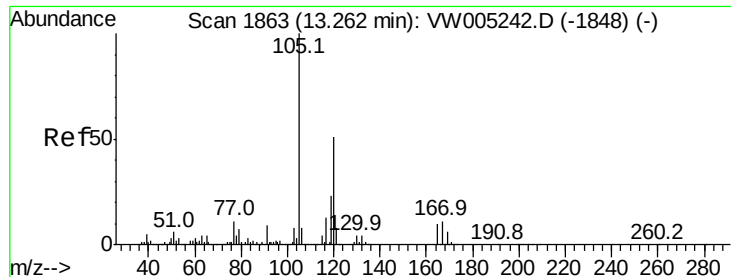
Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.0 37.0 55.4#

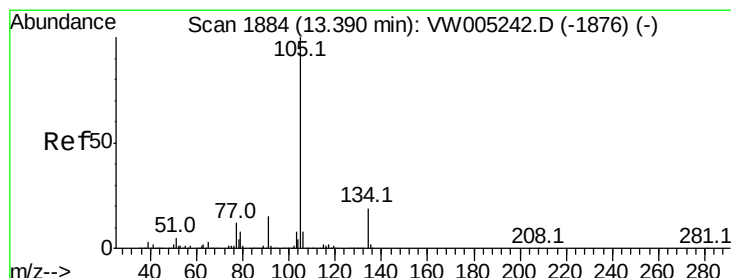
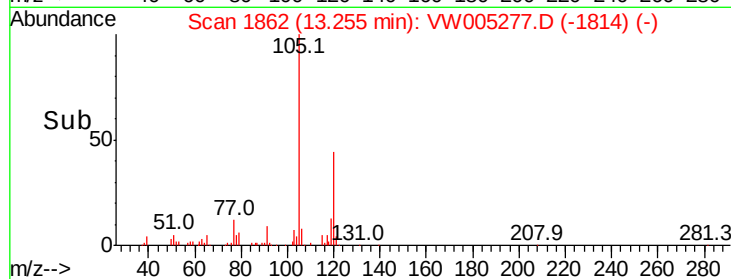
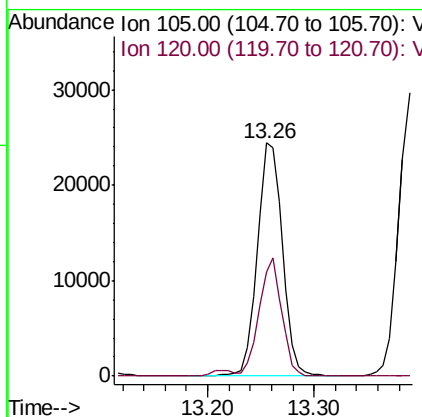
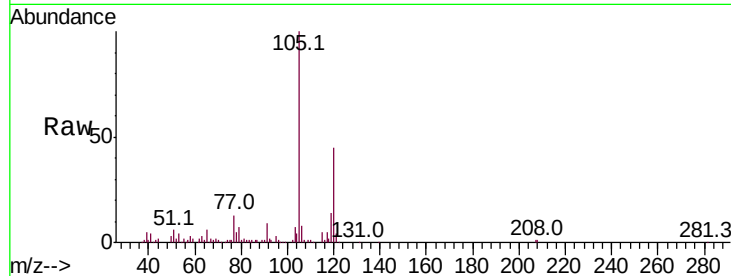




#84
 1,2,4-Trimethylbenzene
 Concen: 1.596 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: VW005277.D
 Acq: 11 Sep 2018 15:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 40639
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 1.516 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005277.D
 Acq: 11 Sep 2018 15:53

Tgt Ion:105 Resp: 48260
 Ion Ratio Lower Upper
 105 100
 134 29.5 9.9 29.7

