

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005220.D
 Acq On : 07 Sep 2018 19:57
 Operator : SY/AP
 Sample : J4775-03
 Misc : 6.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-090618-B

Quant Time: Sep 08 01:21:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	473323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	720693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	552569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	220592	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	167707	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	
35) Dibromofluoromethane	7.89	113	154579	37.12	ug/l	0.00
Spiked Amount			Recovery	=	74.24%	
50) Toluene-d8	10.33	98	534088	27.83	ug/l	0.00
Spiked Amount			Recovery	=	55.66%	
62) 4-Bromofluorobenzene	12.62	95	185150	27.36	ug/l	0.00
Spiked Amount			Recovery	=	54.72%	

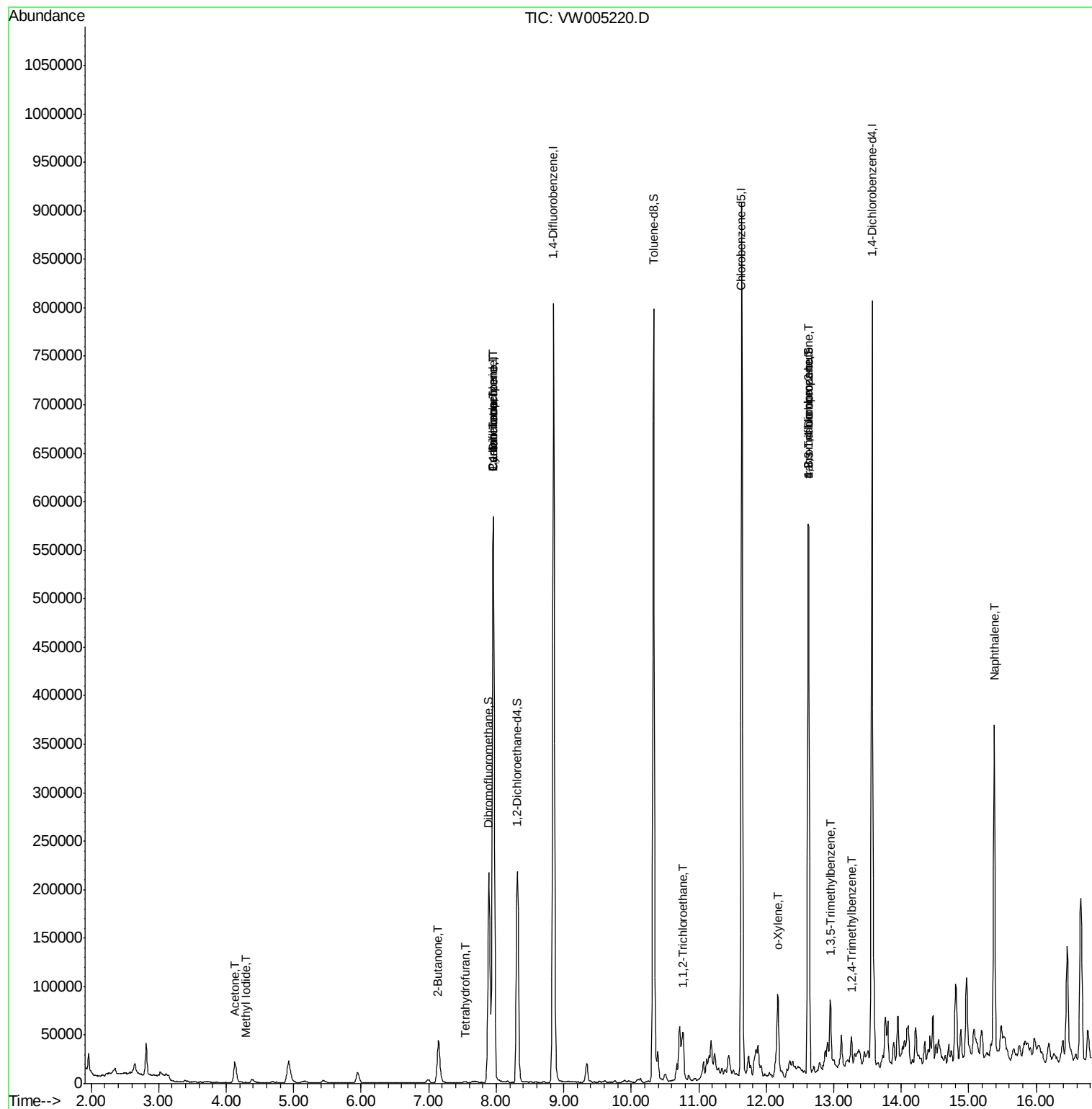
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	582	Below Cal	#	70
10) Methyl Iodide	4.29	142	39	3.824	ug/l #	44
11) Tert butyl alcohol	5.17	59	1553	Below Cal	#	85
16) Acetone	4.13	43	37835	48.082	ug/l	89
20) Methylene Chloride	4.92	84	17974	Below Cal		94
25) 2-Butanone	7.13	43	1907	1.397	ug/l #	80
29) Tetrahydrofuran	7.54	42	861	1.235	ug/l #	53
31) Cyclohexane	7.96	56	10125	1.314	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	31115	4.533	ug/l #	48
38) Carbon Tetrachloride	7.96	117	42598	6.527	ug/l #	18
55) 1,1,2-Trichloroethane	10.77	97	9320	2.452	ug/l #	22
69) o-Xylene	12.17	106	21108	2.711	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	85554	51.669	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	29430	2.188	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	85554	124.361	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.26	105	16537	1.207	ug/l	99
95) Naphthalene	15.38	128	300094	38.708	ug/l	100

(#) = 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: VW005220.D

Acq: 07 Sep 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

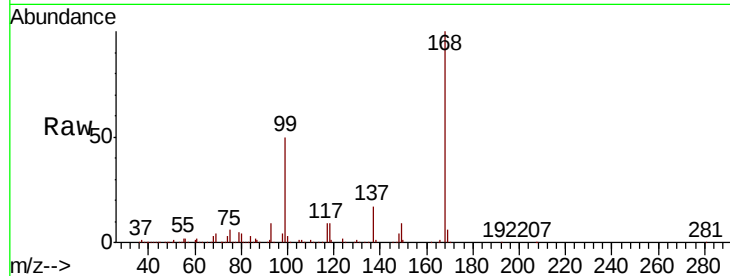
OR-02-090618-B

Tgt Ion:168 Resp: 473323

Ion Ratio Lower Upper

168 100

99 50.3 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

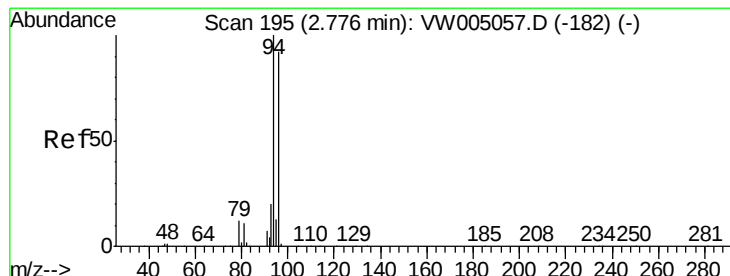
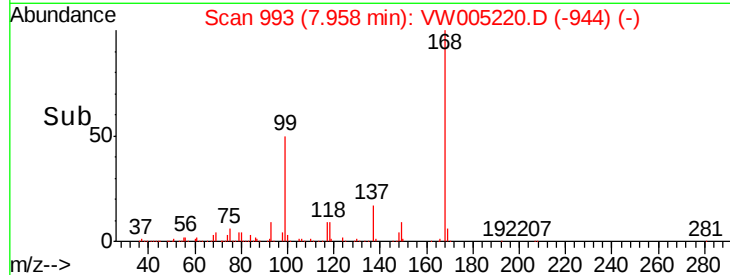
100000

50000

0

7.80 7.90 8.00 8.10 8.20

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005220.D

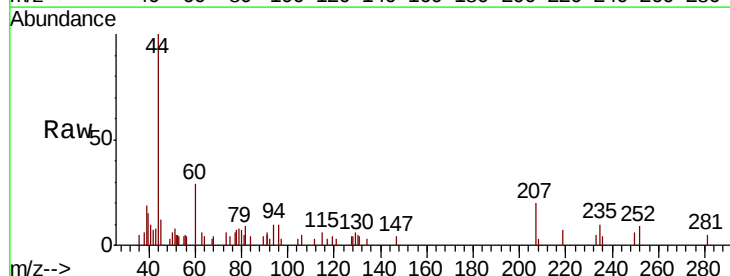
Acq: 07 Sep 2018 19:57

Tgt Ion: 94 Resp: 582

Ion Ratio Lower Upper

94 100

96 62.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

300

250

200

150

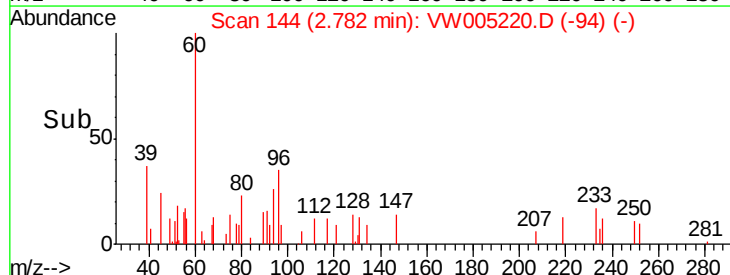
100

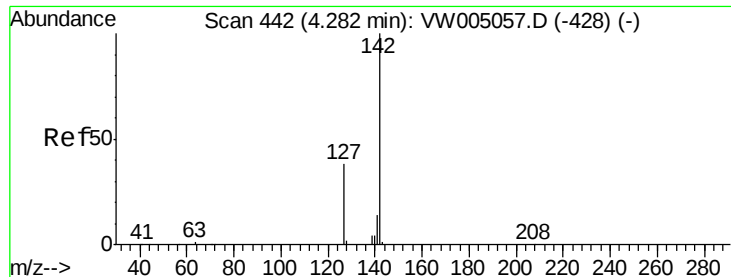
50

0

2.75 2.80

Time-->

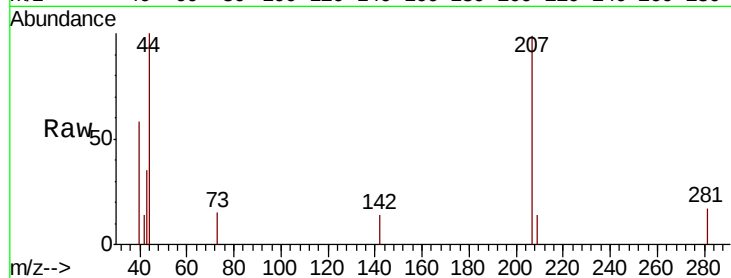




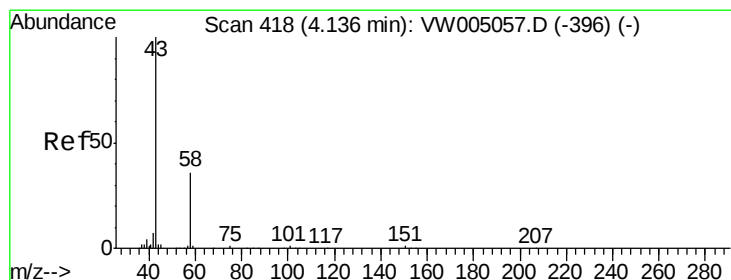
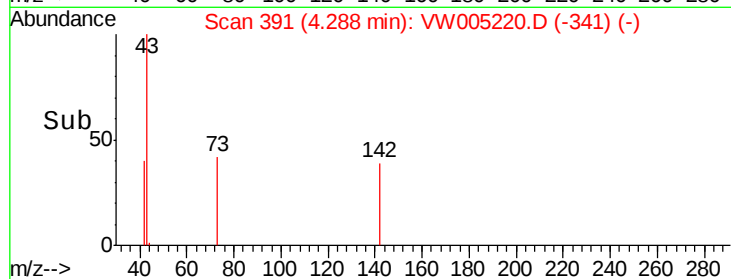
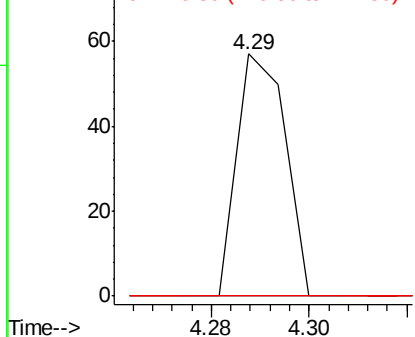
#10
Methyl Iodide
Concen: 3.824 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

Instrument :
MSVOA_W
ClientSampleId :
OR-02-090618-B

Tgt Ion:142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 30.8 46.2#
141 0.0 11.6 17.4#

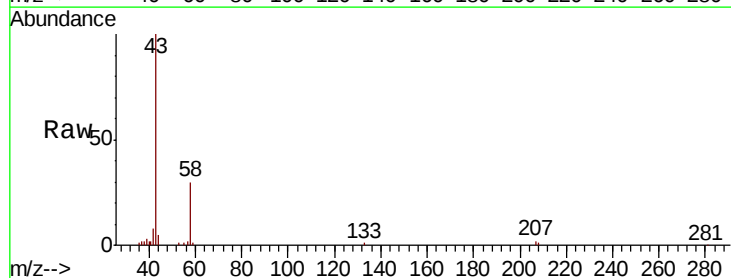


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

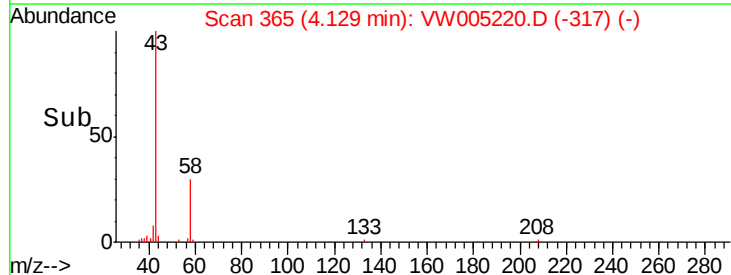
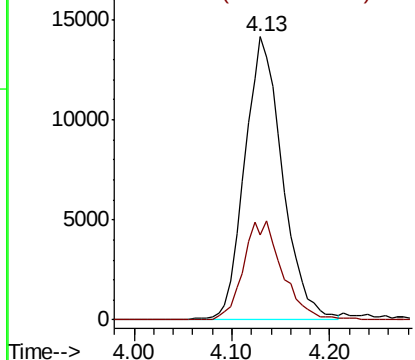


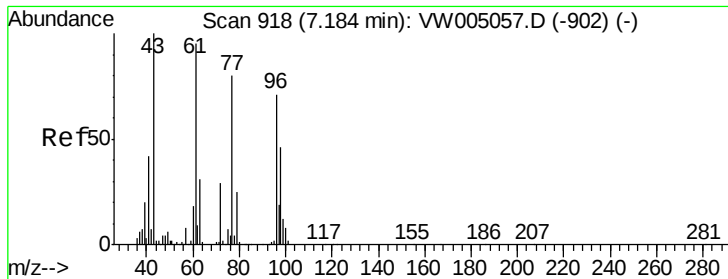
#16
Acetone
Concen: 48.082 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

Tgt Ion: 43 Resp: 37835
Ion Ratio Lower Upper
43 100
58 29.8 29.0 43.6



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





#25

2-Butanone

Concen: 1.397 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.05 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

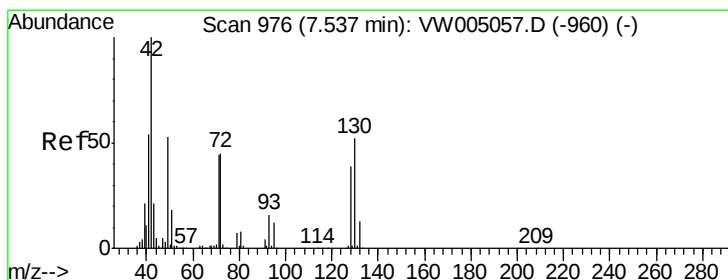
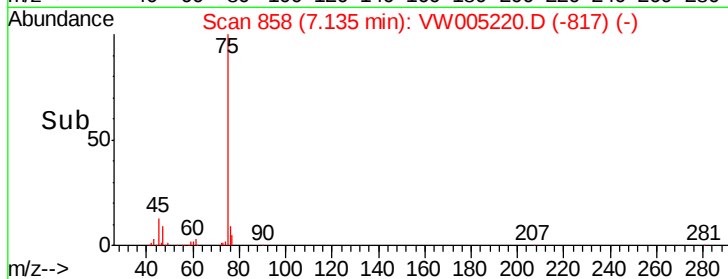
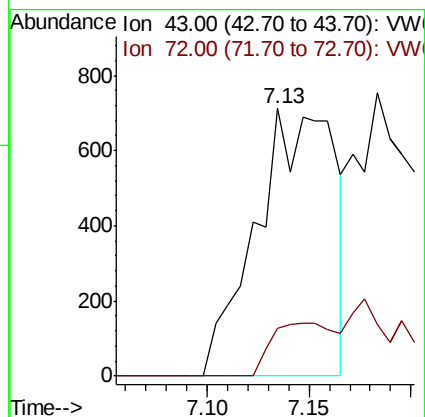
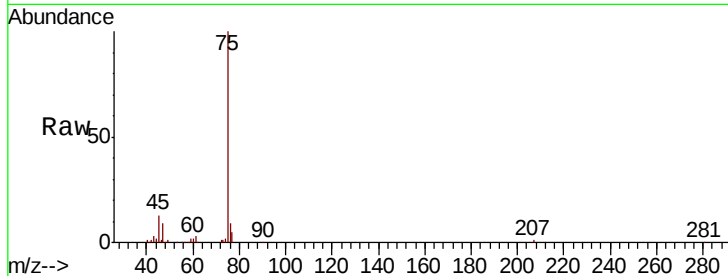
OR-02-090618-B

Tgt Ion: 43 Resp: 1907

Ion Ratio Lower Upper

43 100

72 18.0 23.1 34.7#



#29

Tetrahydrofuran

Concen: 1.235 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

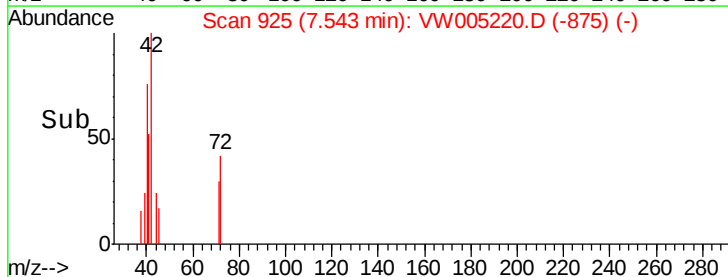
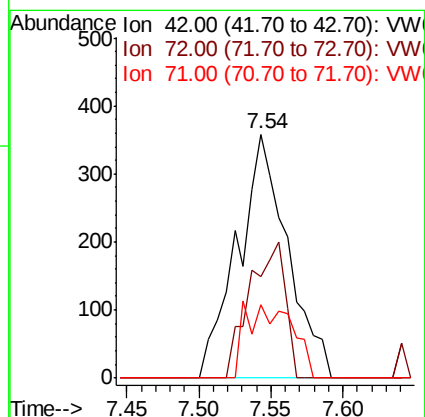
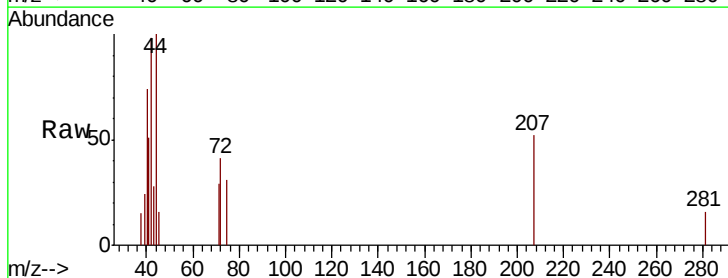
Tgt Ion: 42 Resp: 861

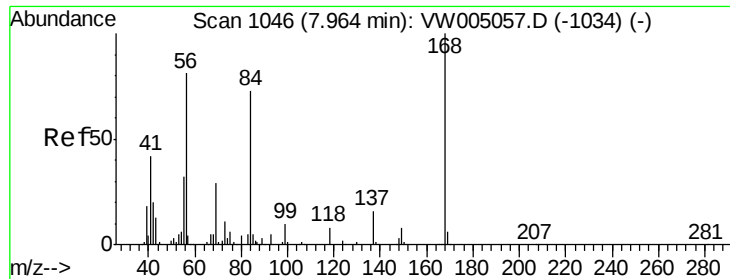
Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

71 28.7 35.0 52.6#

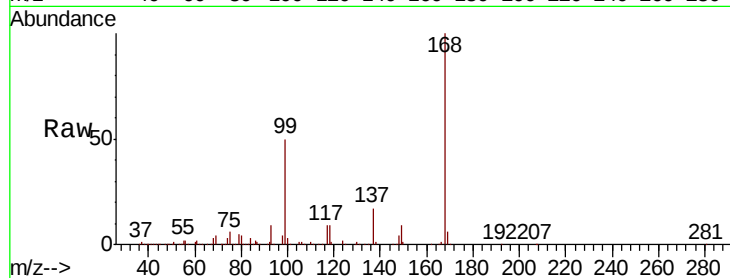




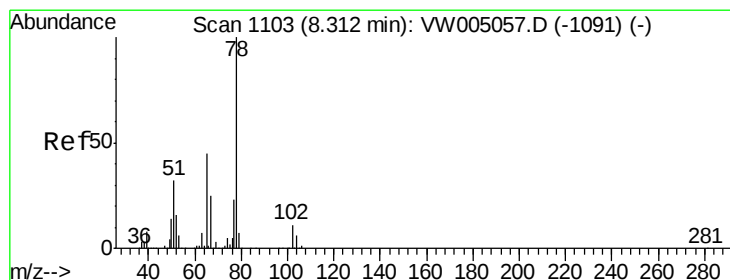
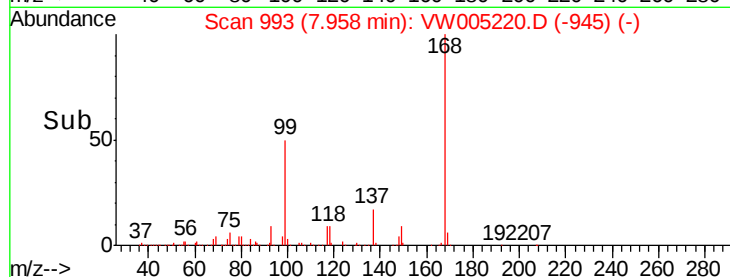
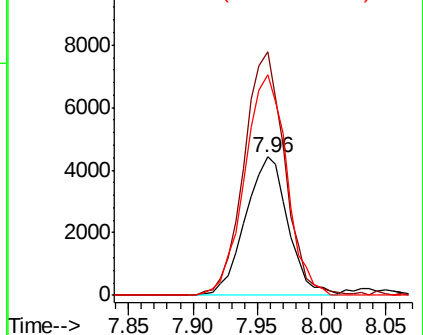
#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

Instrument :
MSVOA_W
ClientSampleId :
OR-02-090618-B

Tgt Ion: 56 Resp: 10125
Ion Ratio Lower Upper
56 100
69 176.1 28.2 42.2#
84 159.7 71.8 107.8#

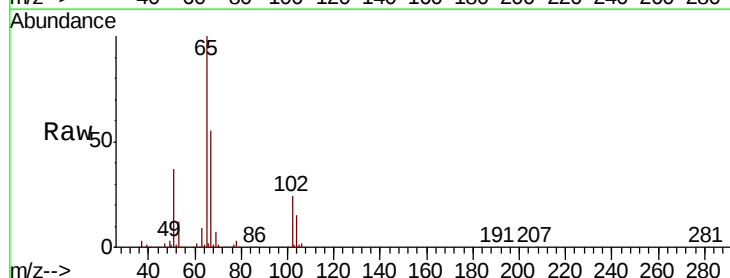


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

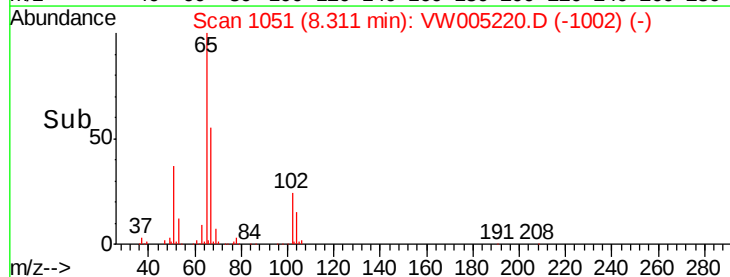
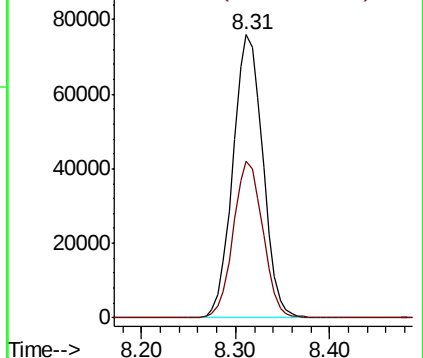


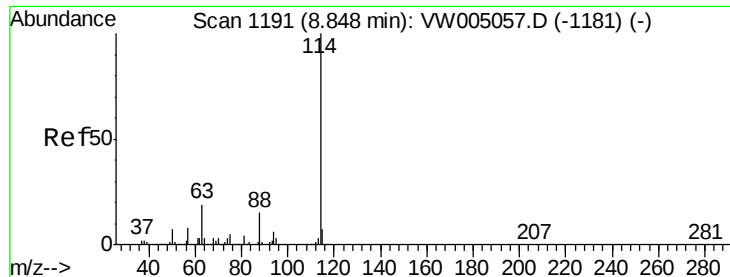
#33
1,2-Dichloroethane-d4
Concen: 42.743 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

Tgt Ion: 65 Resp: 167707
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

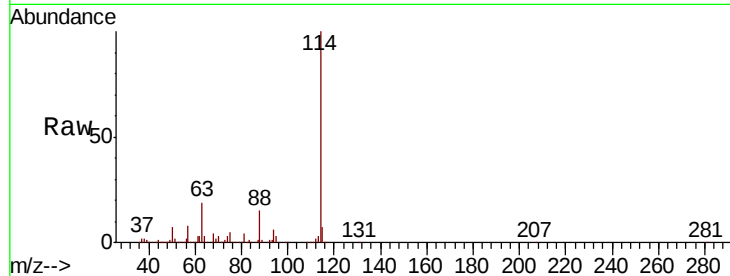




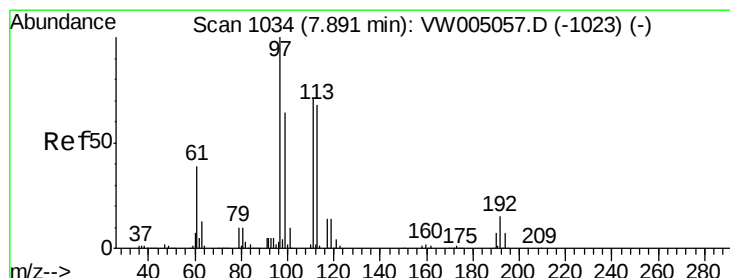
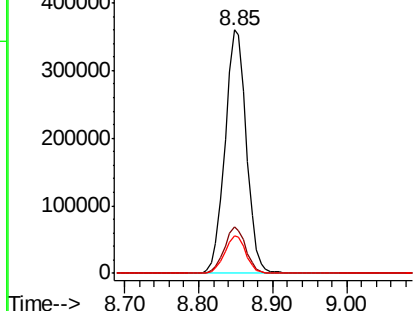
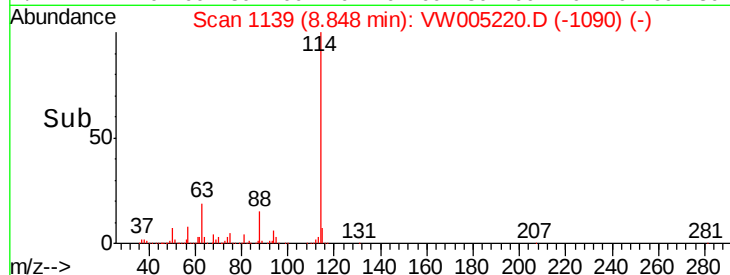
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005220.D
 Acq: 07 Sep 2018 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.0
88	15.4	0.0	30.2

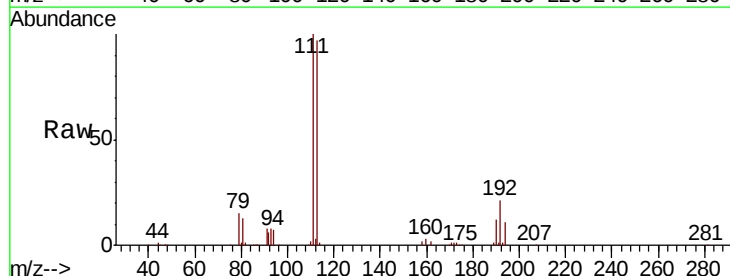


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

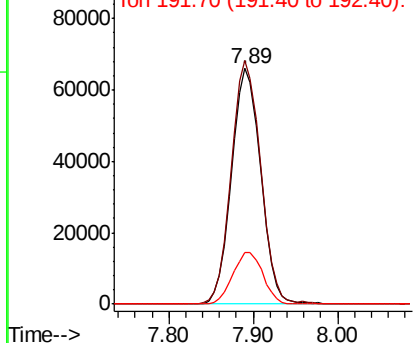
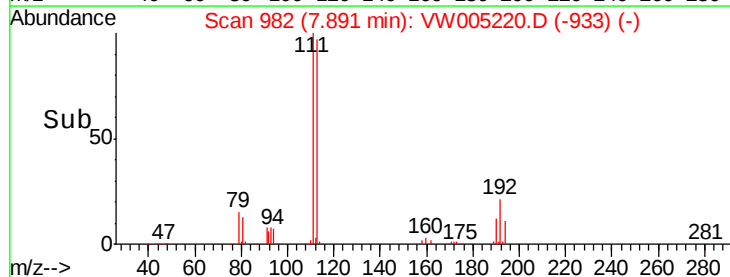


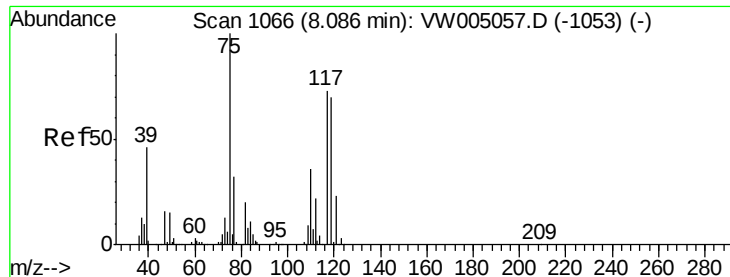
#35
 Dibromofluoromethane
 Concen: 37.116 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005220.D
 Acq: 07 Sep 2018 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	22.6	18.1	27.1



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: 4.533 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

OR-02-090618-B

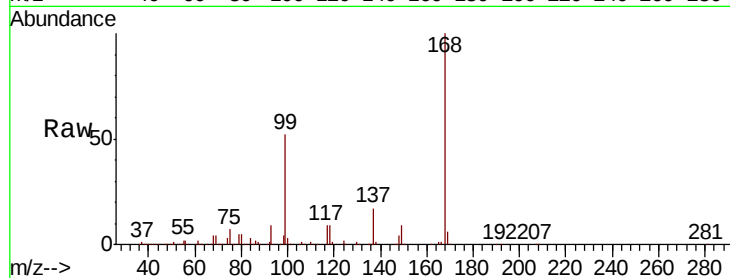
Tgt Ion: 75 Resp: 31115

Ion Ratio Lower Upper

75 100

110 8.8 18.9 56.7#

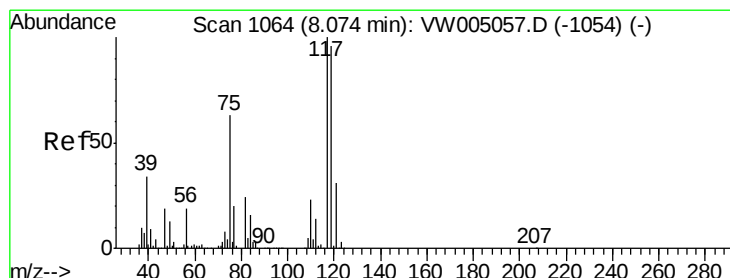
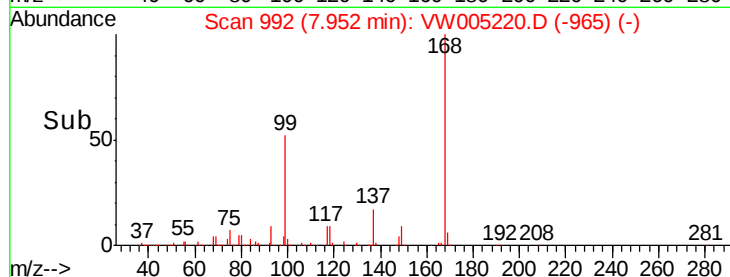
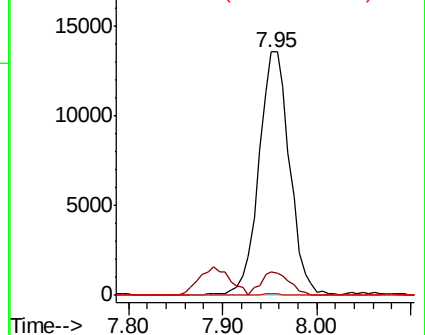
77 0.0 25.5 38.3#



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



#38

Carbon Tetrachloride

Concen: 6.527 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

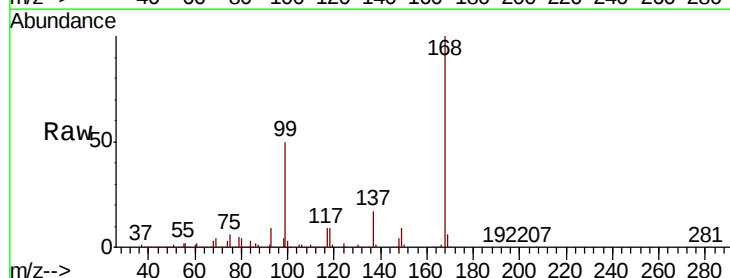
Tgt Ion: 117 Resp: 42598

Ion Ratio Lower Upper

117 100

119 7.1 76.6 115.0#

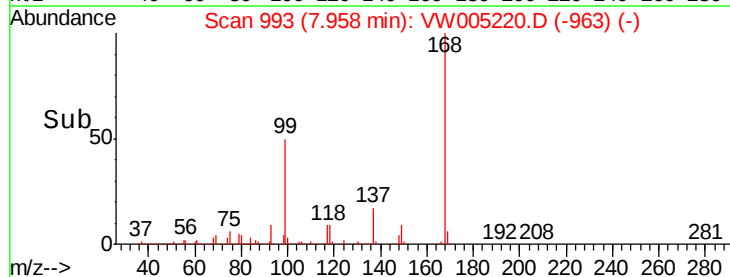
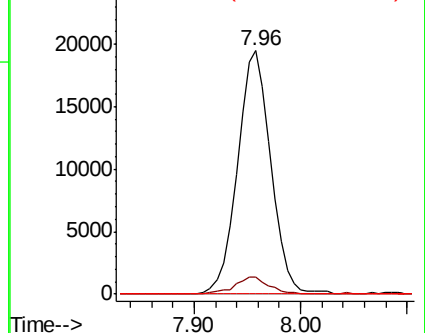
121 0.0 24.8 37.2#

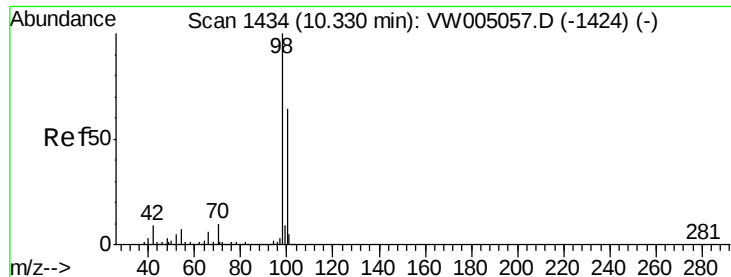


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 27.831 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

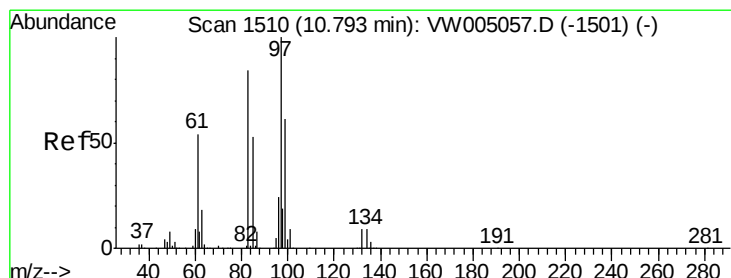
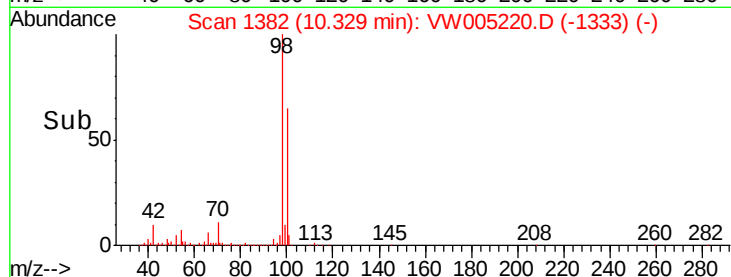
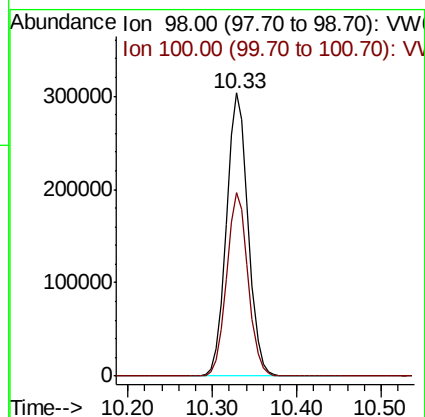
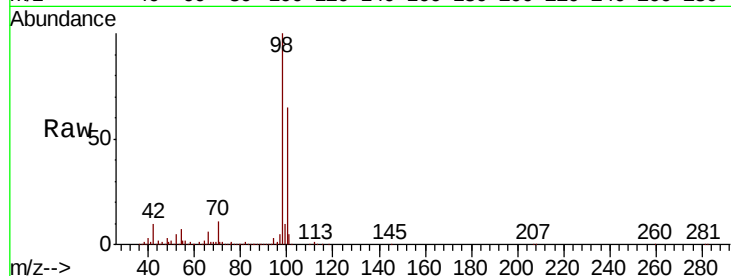
OR-02-090618-B

Tgt Ion: 98 Resp: 534088

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



#55

1,1,2-Trichloroethane

Concen: 2.452 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

Tgt Ion: 97 Resp: 9320

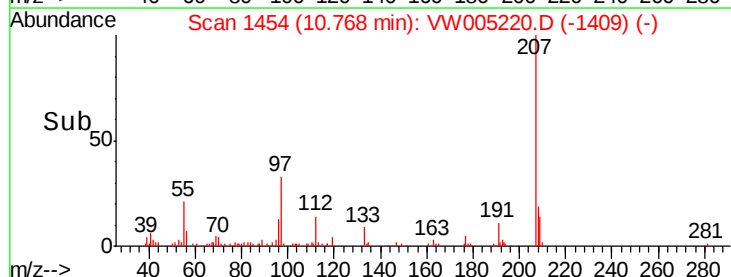
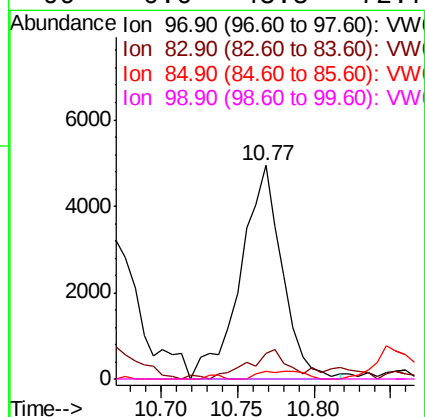
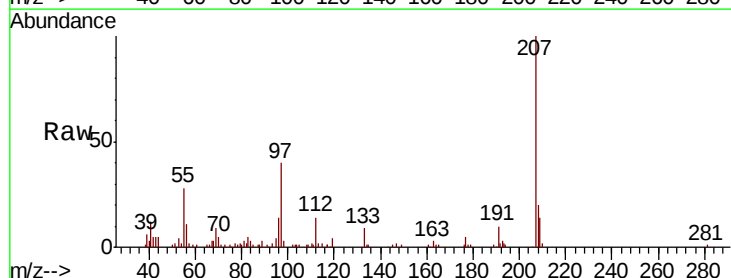
Ion Ratio Lower Upper

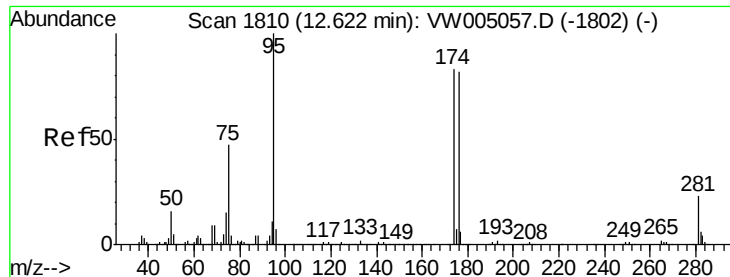
97 100

83 10.1 67.0 100.6#

85 3.4 42.3 63.5#

99 0.0 48.5 72.7#

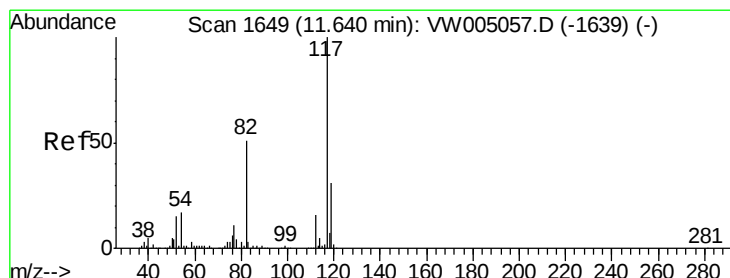
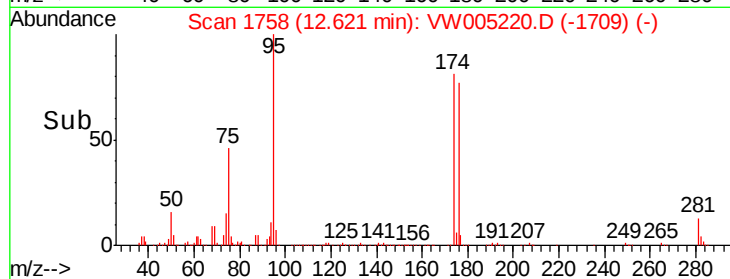
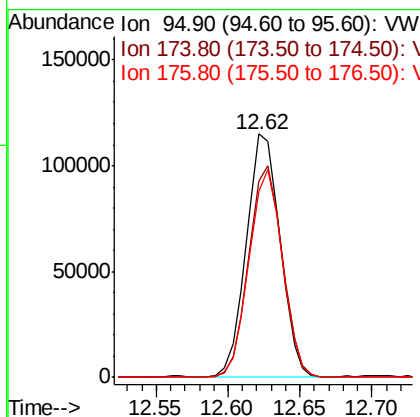
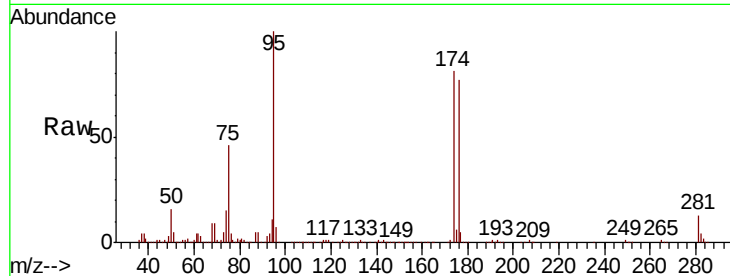




#62
4-Bromofluorobenzene
Concen: 27.362 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

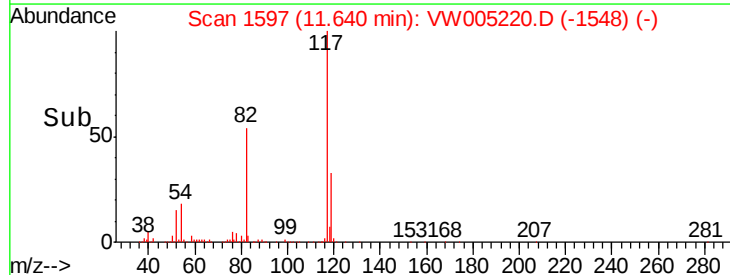
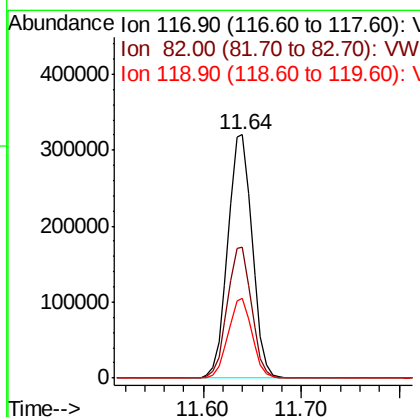
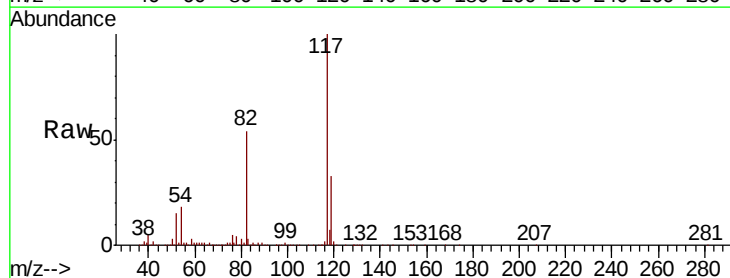
Instrument :
MSVOA_W
ClientSampleId :
OR-02-090618-B

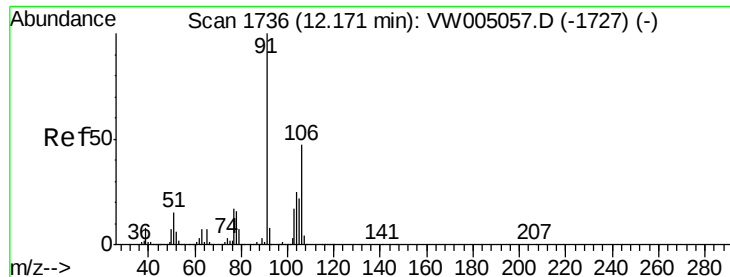
Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	173.4
176	85.2	0.0	167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	40.9	61.3
119	32.8	24.9	37.3

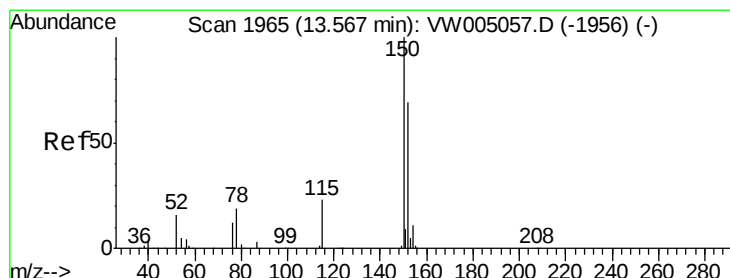
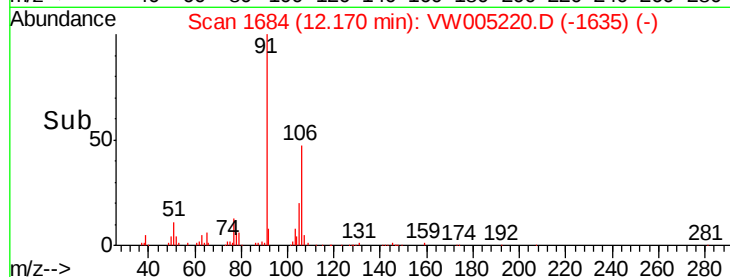
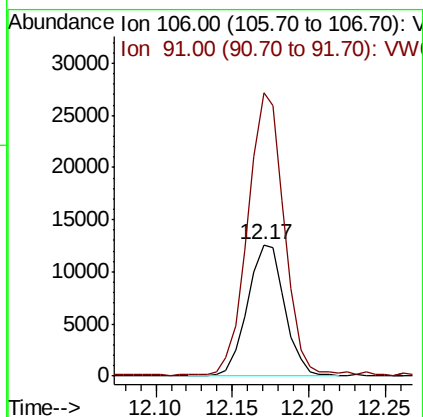
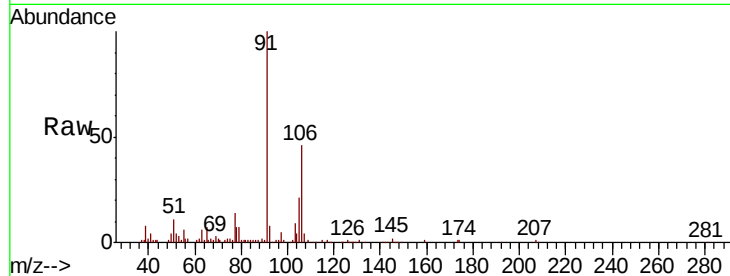




#69
o-Xylene
Concen: 2.711 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

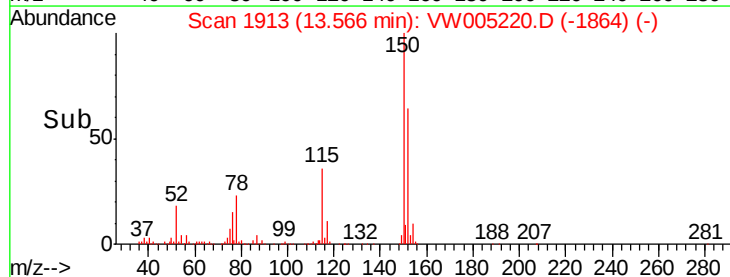
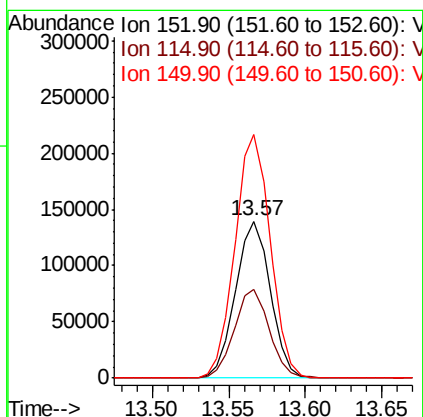
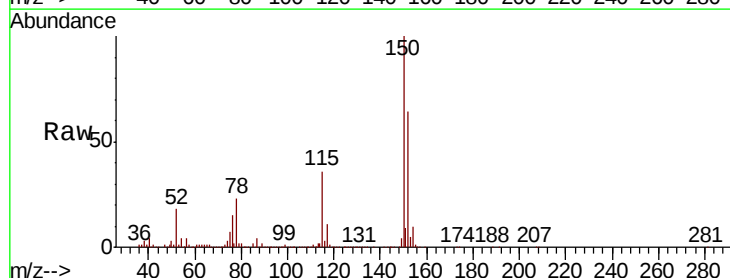
Instrument :
MSVOA_W
ClientSampleId :
OR-02-090618-B

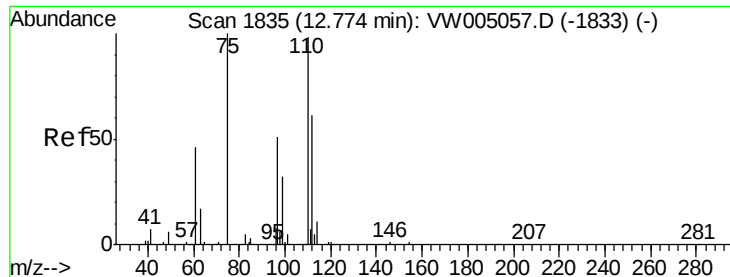
Tgt Ion:106 Resp: 21108
Ion Ratio Lower Upper
106 100
91 210.8 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

Tgt Ion:152 Resp: 220592
Ion Ratio Lower Upper
152 100
115 56.3 27.8 83.4
150 157.3 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 51.669 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

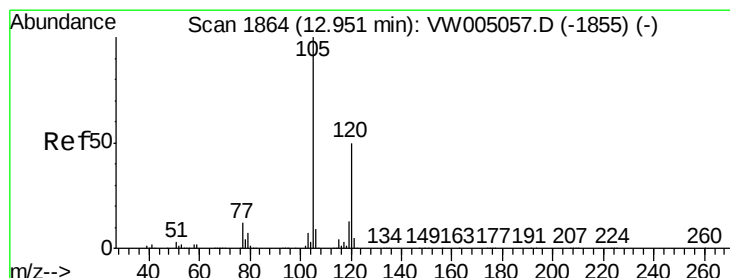
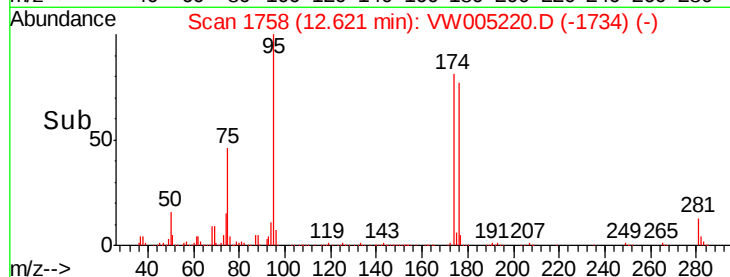
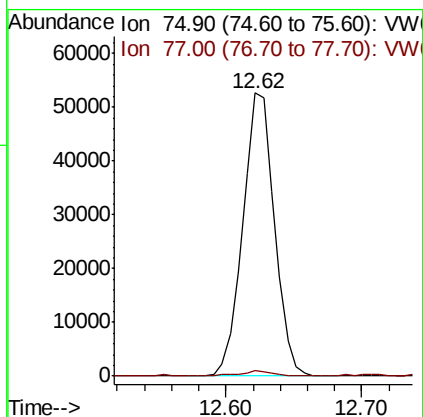
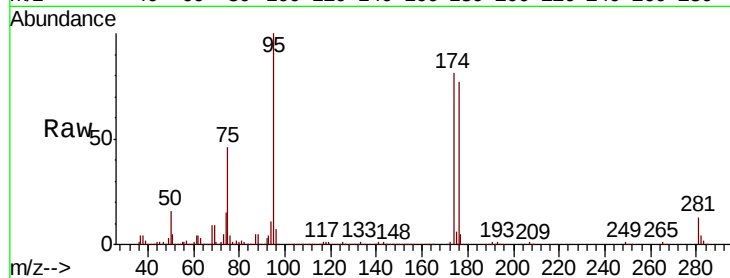
OR-02-090618-B

Tgt Ion: 75 Resp: 85554

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 2.188 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005220.D

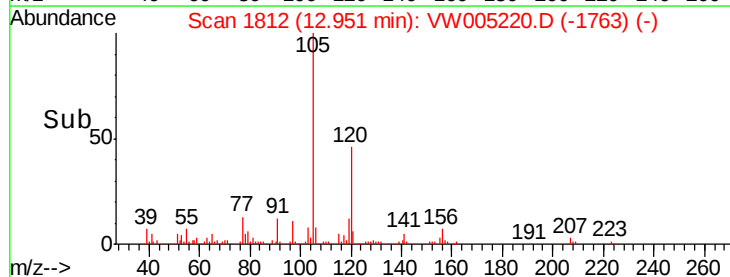
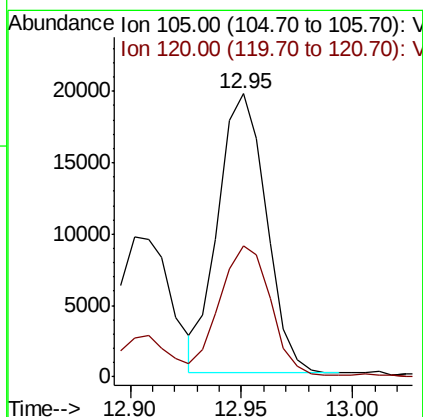
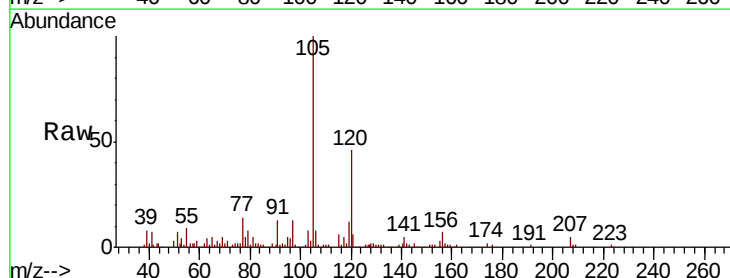
Acq: 07 Sep 2018 19:57

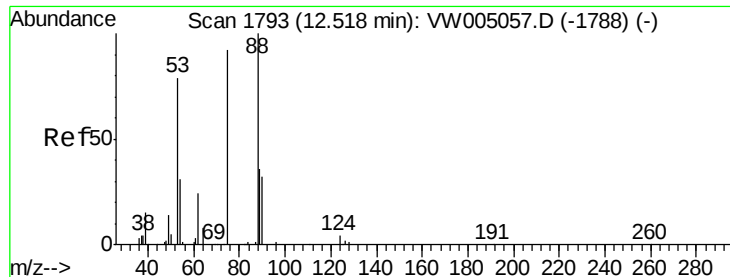
Tgt Ion: 105 Resp: 29430

Ion Ratio Lower Upper

105 100

120 48.6 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 124.361 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005220.D

Acq: 07 Sep 2018 19:57

Instrument :

MSVOA_W

ClientSampleId :

OR-02-090618-B

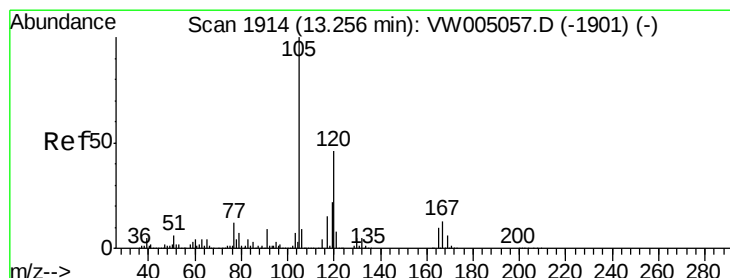
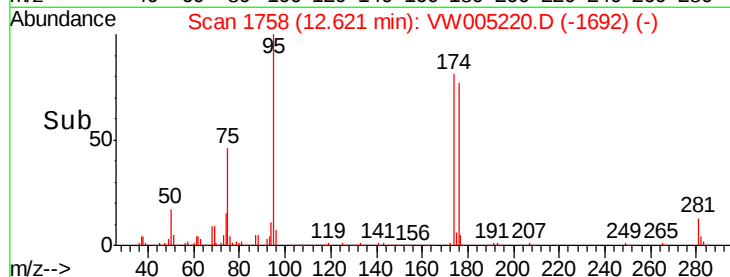
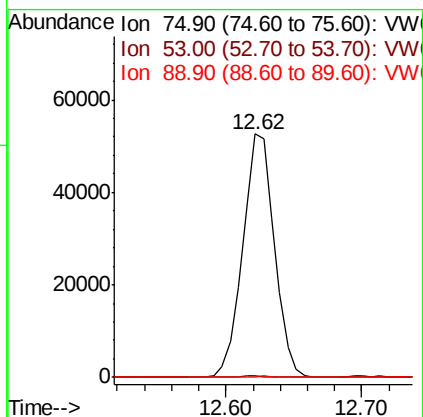
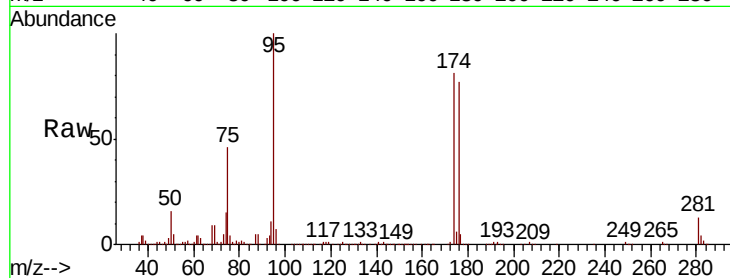
Tgt Ion: 75 Resp: 85554

Ion Ratio Lower Upper

75 100

53 0.5 69.8 104.8#

89 0.2 36.0 54.0#



#84

1,2,4-Trimethylbenzene

Concen: 1.207 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW005220.D

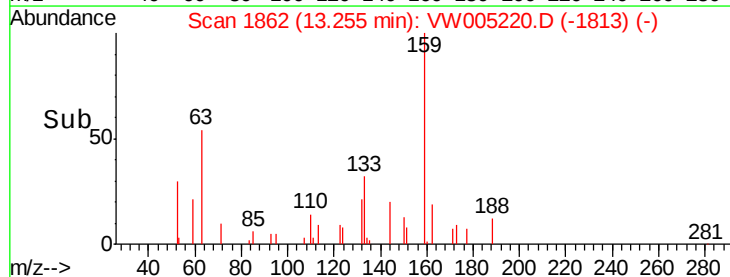
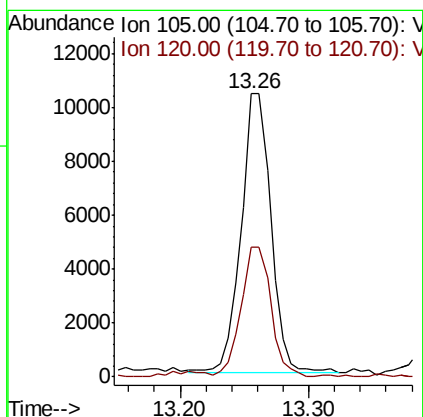
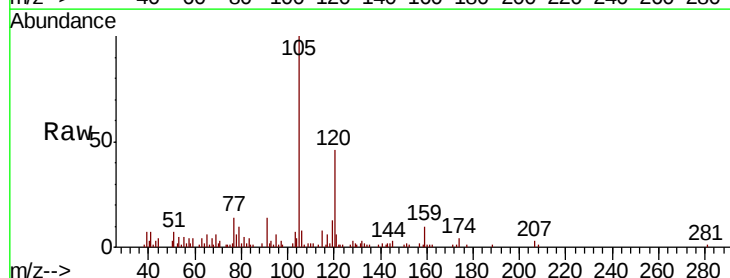
Acq: 07 Sep 2018 19:57

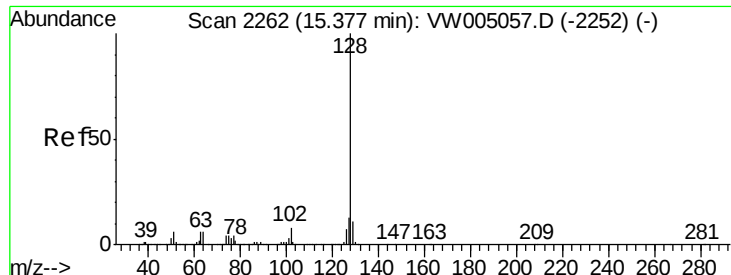
Tgt Ion: 105 Resp: 16537

Ion Ratio Lower Upper

105 100

120 46.5 23.1 69.3

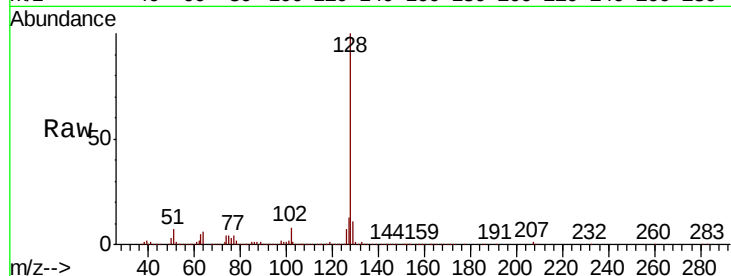




#95
Naphthalene
Concen: 38.708 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005220.D
Acq: 07 Sep 2018 19:57

Instrument :
MSVOA_W
ClientSampleId :
OR-02-090618-B

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	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

