

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002306.D
 Acq On : 08 May 2018 20:13
 Operator : JC/SY
 Sample : J2711-01RE
 Misc : 5.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 4215RE

Quant Time: May 09 08:26:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	115425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	102655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	48410	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	34120	40.97	ug/l	0.00
Spiked Amount			Recovery	=	81.94%	
35) Dibromofluoromethane	7.88	113	32474	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	
50) Toluene-d8	10.33	98	105695	37.46	ug/l	0.00
Spiked Amount			Recovery	=	74.92%	
62) 4-Bromofluorobenzene	12.63	95	38926	38.18	ug/l	0.00
Spiked Amount			Recovery	=	76.36%	

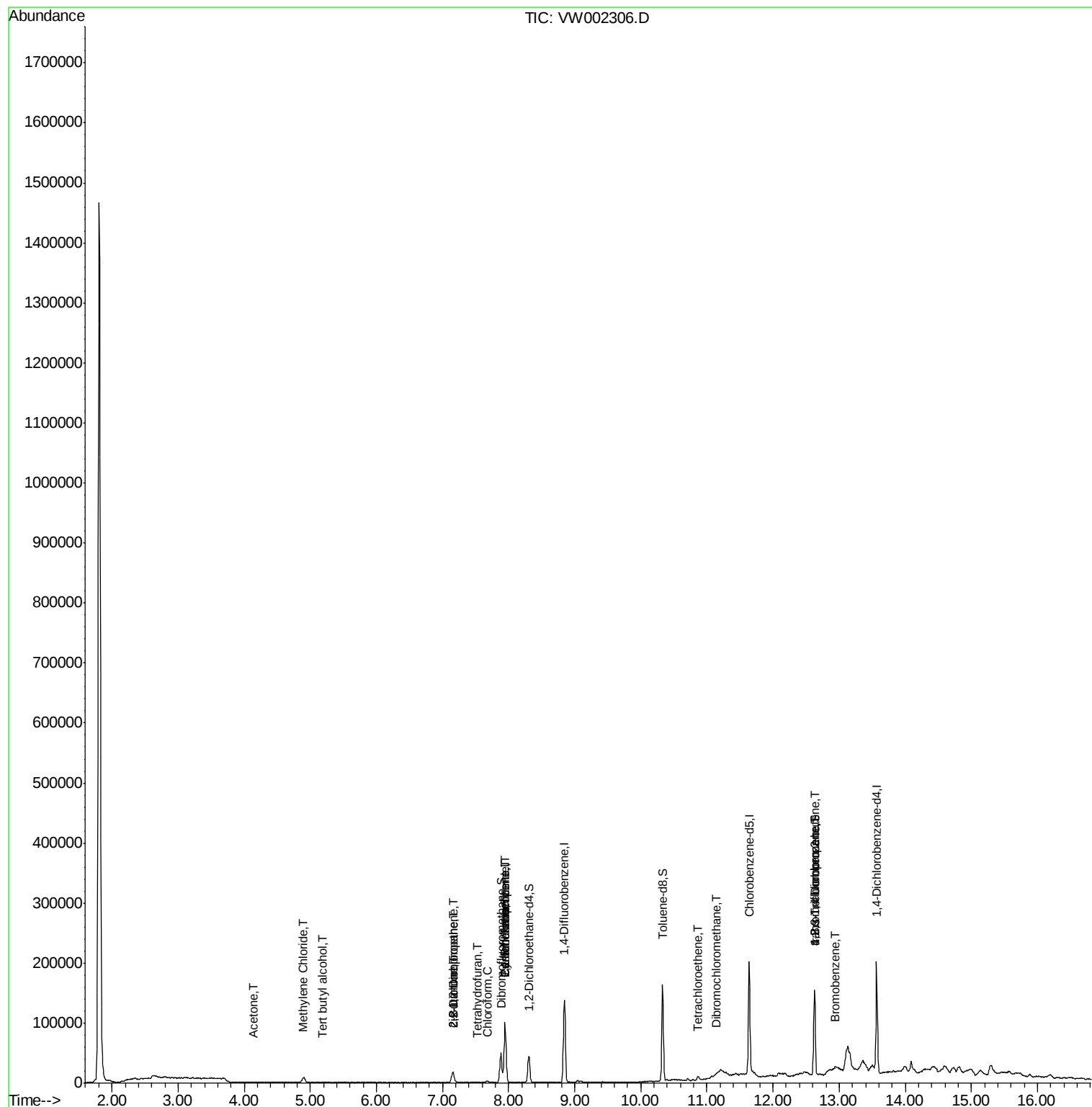
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	147	2.43	ug/l #	12
16) Acetone	4.13	43	1463	8.99	ug/l	92
20) Methylene Chloride	4.90	84	6385	8.14	ug/l	96
25) 2-Butanone	7.15	43	1066	4.41	ug/l #	49
26) 2,2-Dichloropropane	7.16	77	1245	1.80	ug/l #	64
27) cis-1,2-Dichloroethene	7.17	96	1838	2.13	ug/l	84
29) Tetrahydrofuran	7.53	42	166	1.05	ug/l #	58
30) Chloroform	7.68	83	2018	1.39	ug/l	92
31) Cyclohexane	7.95	56	1786	1.44	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	5680	5.44	ug/l #	53
38) Carbon Tetrachloride	7.95	117	8068	7.99	ug/l #	17
60) Dibromochloromethane	11.15	129	1110	1.56	ug/l #	55
64) Tetrachloroethene	10.87	164	1458	1.85	ug/l #	84
76) 1,2,3-Trichloropropane	12.63	75	20891	48.66	ug/l #	1
77) Bromobenzene	12.93	156	8834	11.15	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	20891	128.19	ug/l #	10

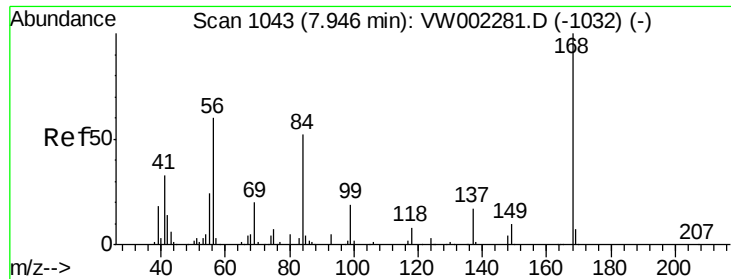
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
Data File : VW002306.D
Acq On : 08 May 2018 20:13
Operator : JC/SY
Sample : J2711-01RE
Misc : 5.39G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
4215RE

Quant Time: May 09 08:26:48 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA_W

ClientSampled :

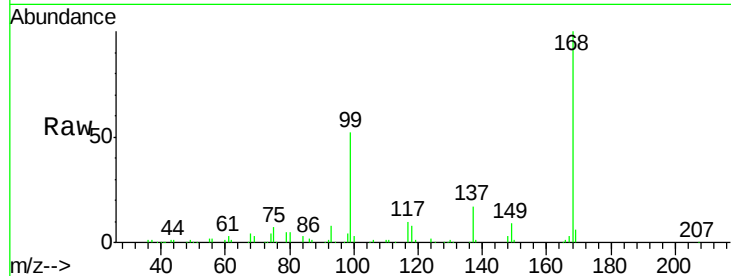
4215RE

Tgt Ion: 168 Resp: 78427

Ion Ratio Lower Upper

168 100

99 52.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

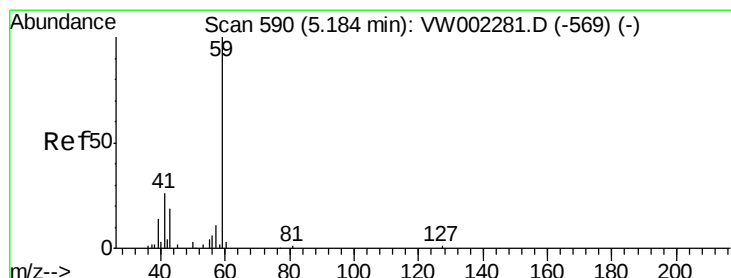
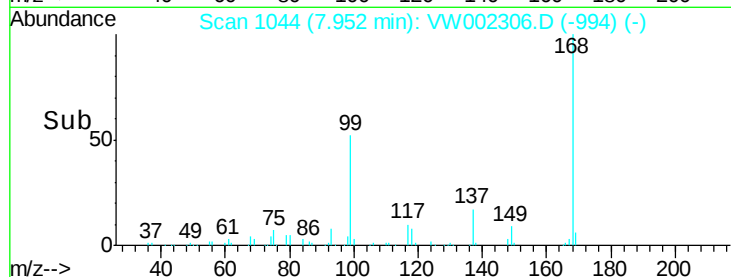
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 2.43 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.01 min

Lab File: VW002306.D

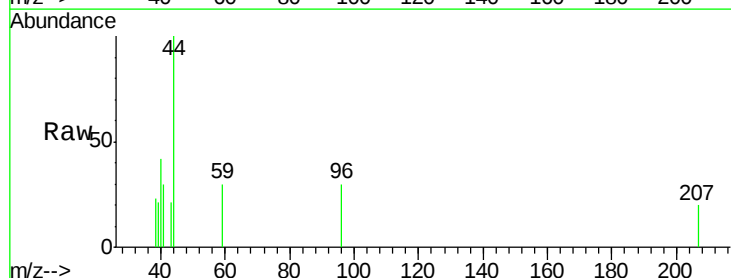
Acq: 08 May 2018 20:13

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

59 100

57 34.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

120

100

80

60

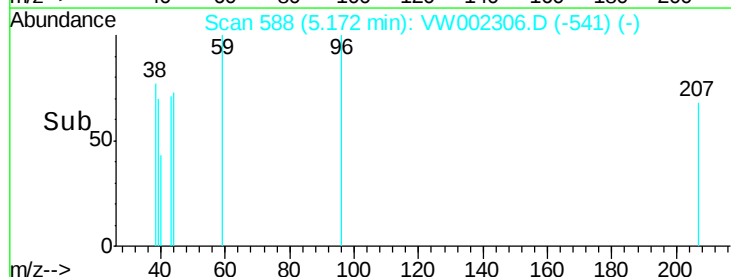
40

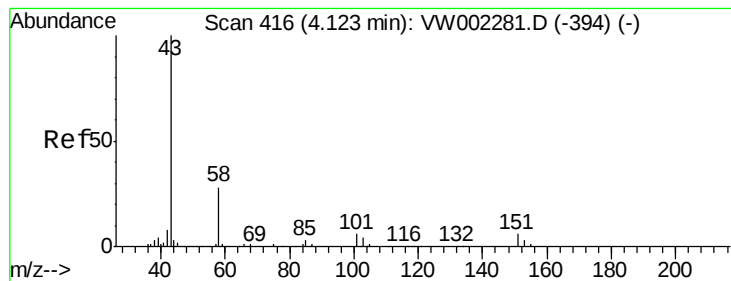
20

0

5.14 5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 8.99 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA_W

ClientSampled :

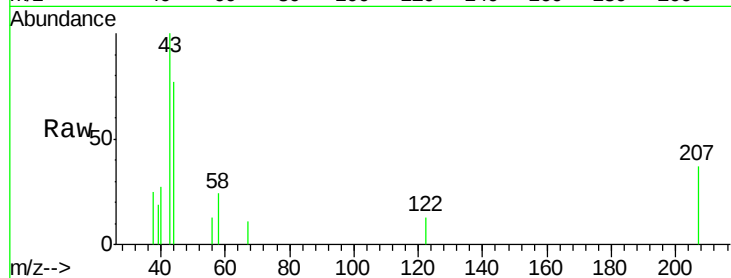
4215RE

Tgt Ion: 43 Resp: 1463

Ion Ratio Lower Upper

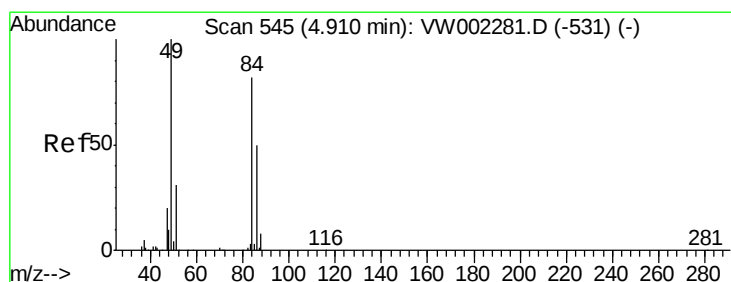
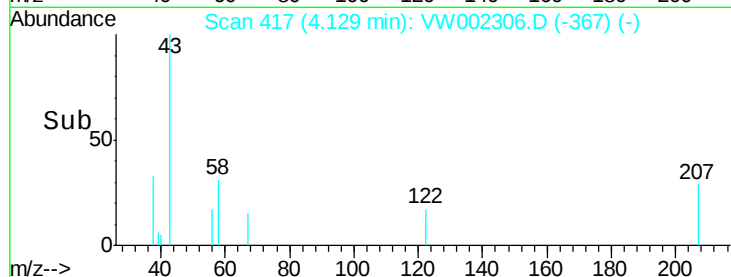
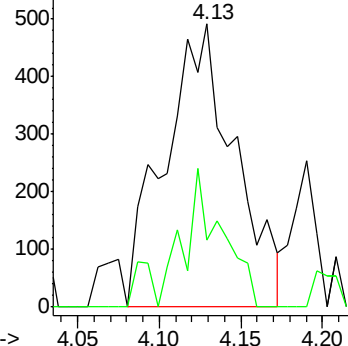
43 100

58 23.6 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 8.14 ug/l

RT: 4.90 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Tgt Ion: 84 Resp: 6385

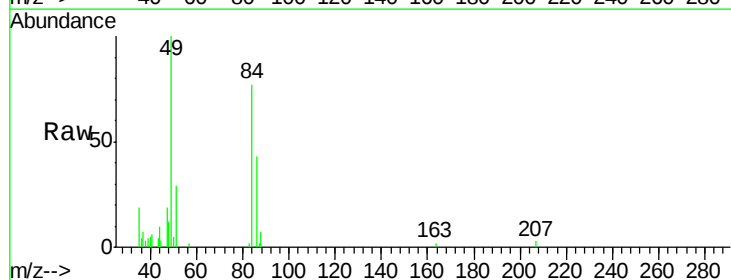
Ion Ratio Lower Upper

84 100

49 126.3 97.7 146.5

51 37.2 30.2 45.4

86 55.2 48.9 73.3

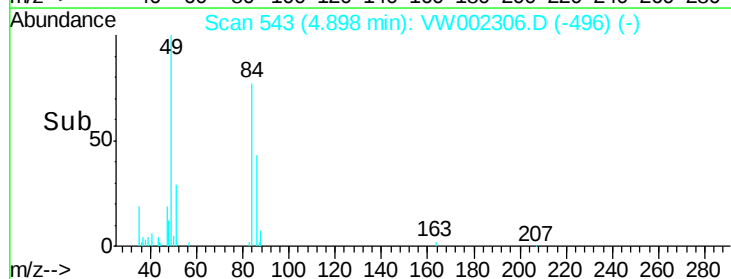
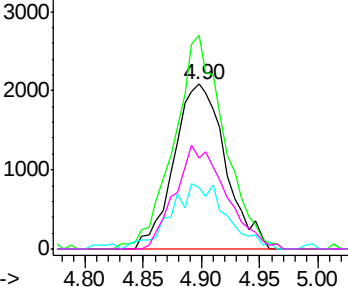


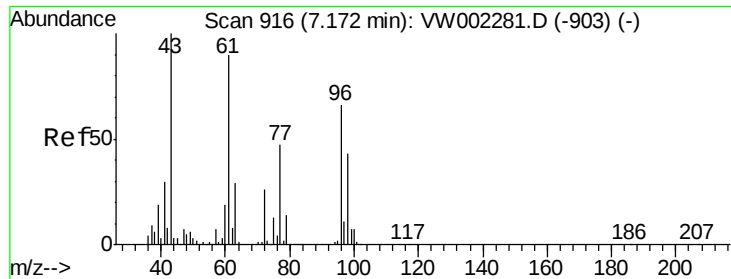
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 4.41 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA_W

ClientSampled :

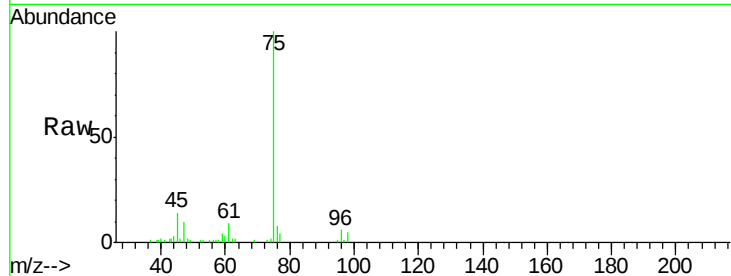
4215RE

Tgt Ion: 43 Resp: 1066

Ion Ratio Lower Upper

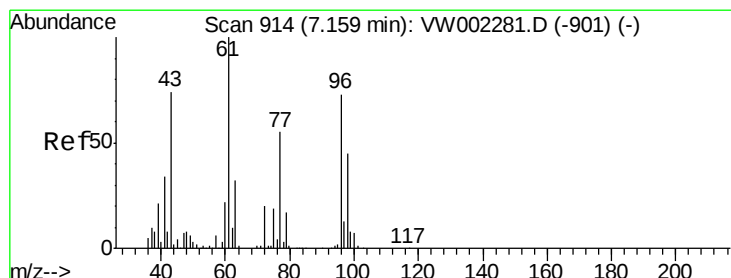
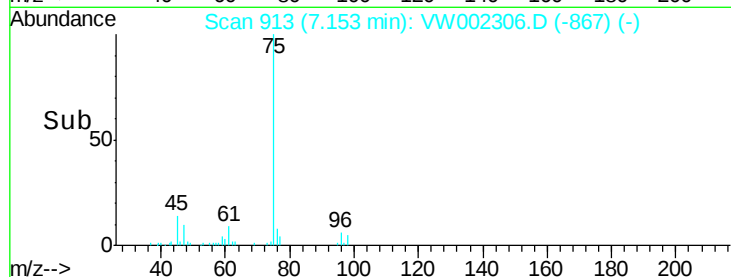
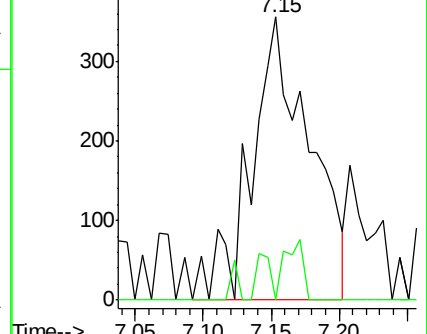
43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.80 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW002306.D

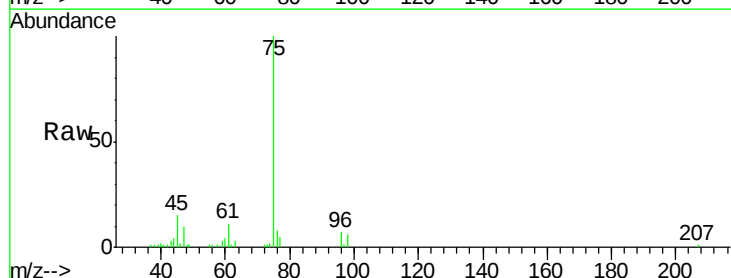
Acq: 08 May 2018 20:13

Tgt Ion: 77 Resp: 1245

Ion Ratio Lower Upper

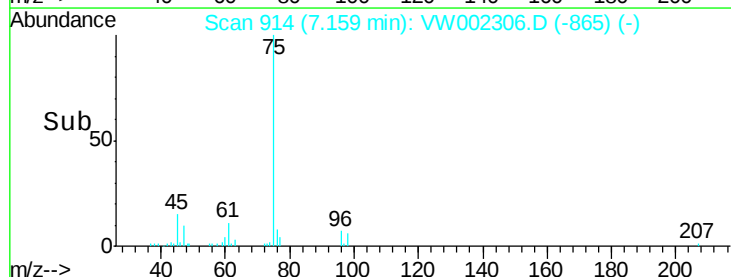
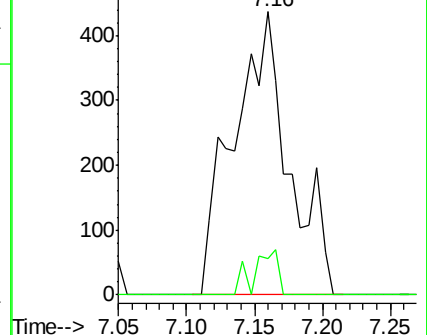
77 100

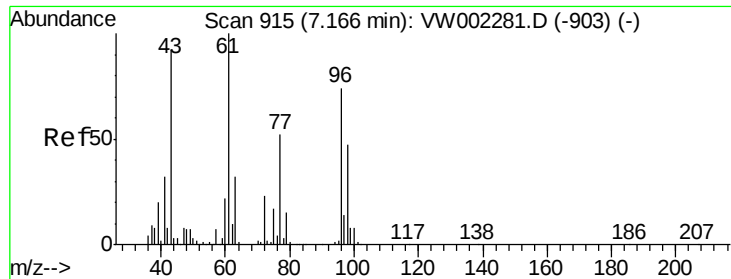
97 7.0 12.7 38.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

cis-1,2-Dichloroethene

Concen: 2.13 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA_W

ClientSampled :

4215RE

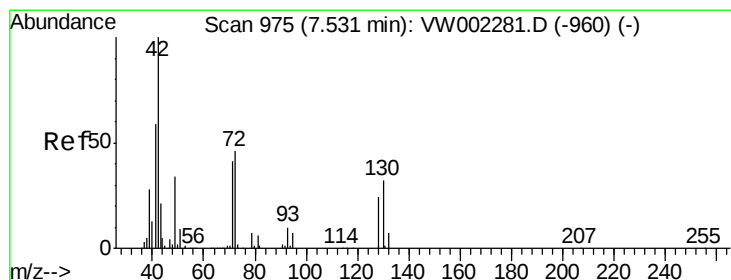
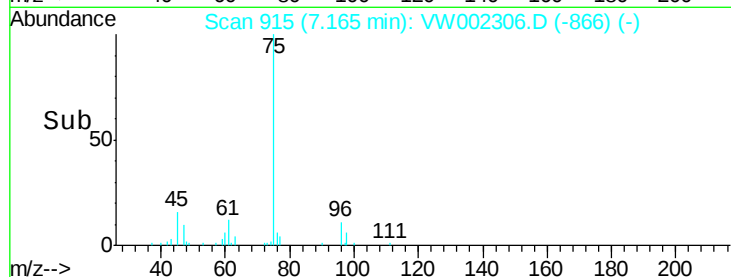
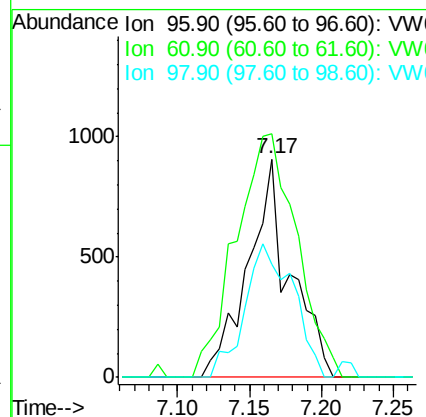
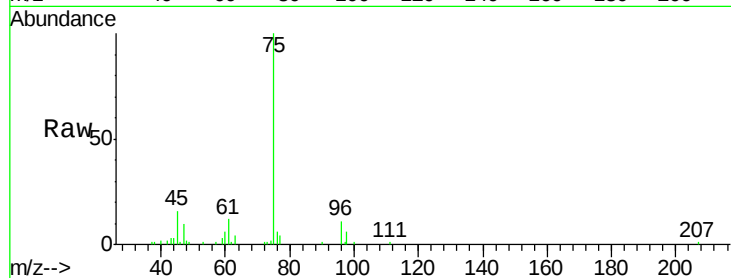
Tgt Ion: 96 Resp: 1838

Ion Ratio Lower Upper

96 100

61 161.0 0.0 274.8

98 70.2 0.0 128.4



#29

Tetrahydrofuran

Concen: 1.05 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

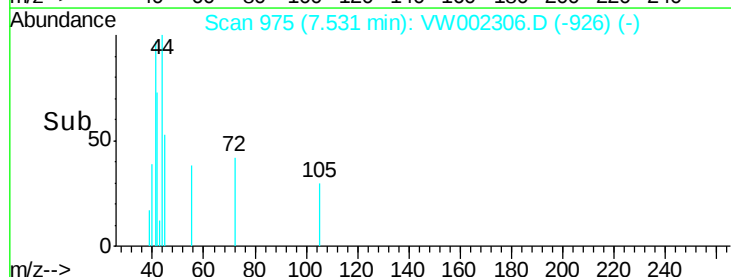
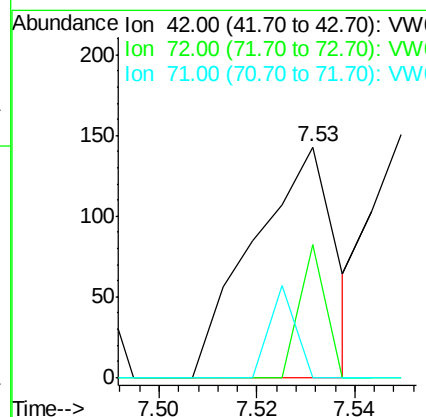
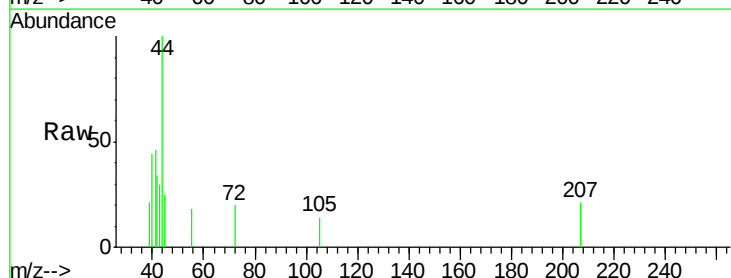
Tgt Ion: 42 Resp: 166

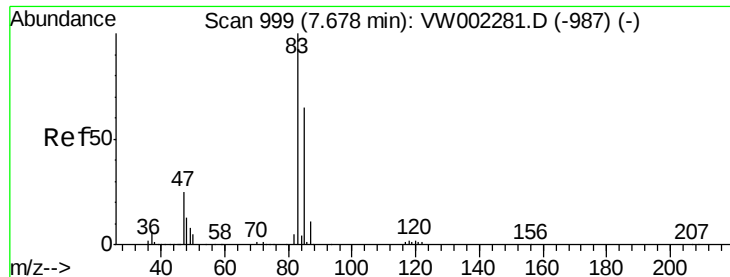
Ion Ratio Lower Upper

42 100

72 18.1 34.5 51.7#

71 12.7 33.0 49.6#

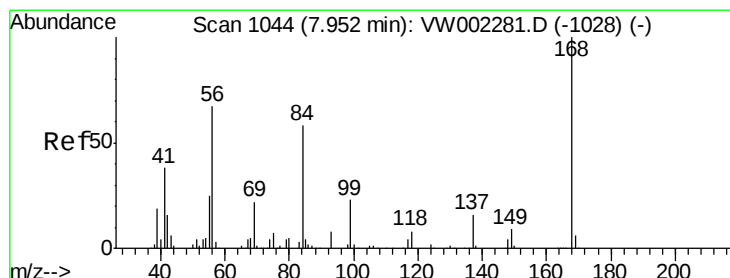
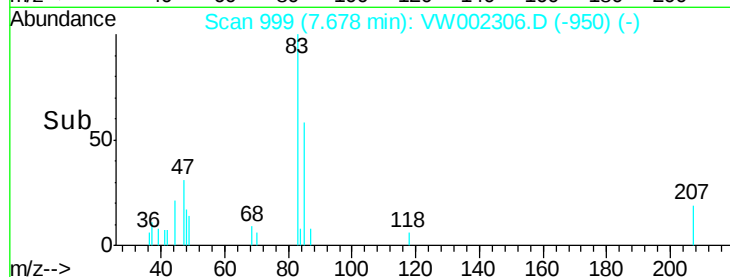
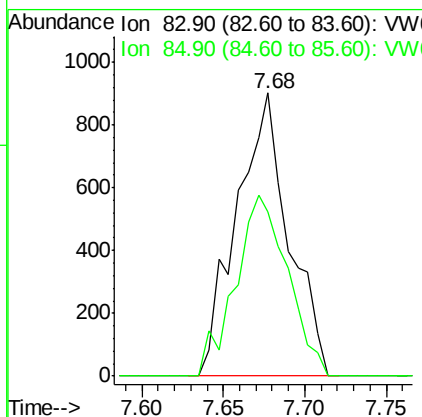
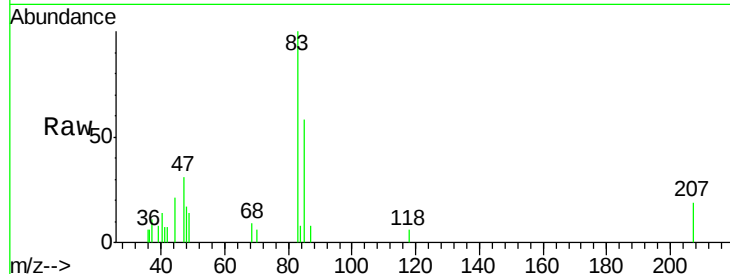




#30
Chloroform
Concen: 1.39 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW002306.D
Acq: 08 May 2018 20:13

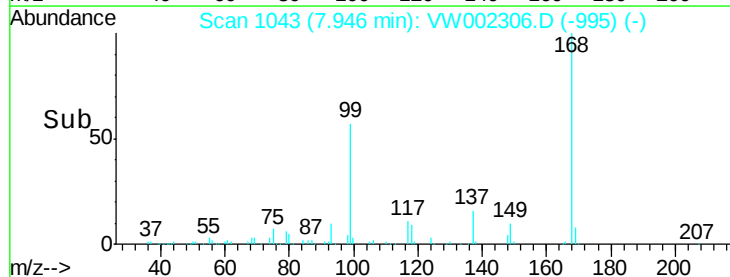
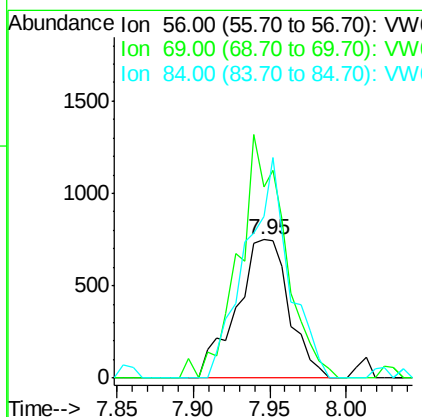
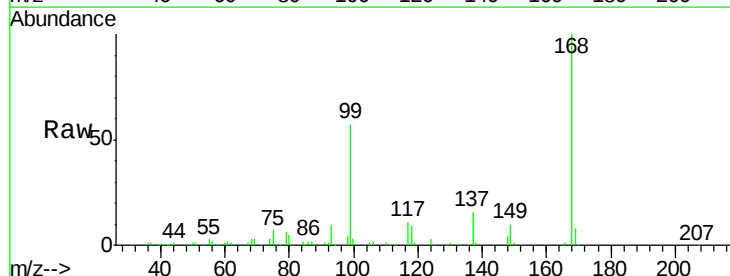
Instrument :
MSVOA_W
ClientSampled :
4215RE

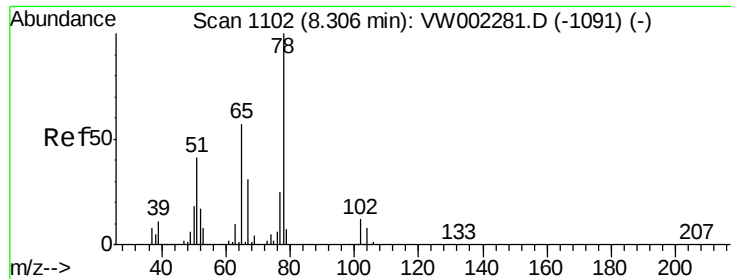
Tgt Ion: 83 Resp: 2018
Ion Ratio Lower Upper
83 100
85 58.1 51.8 77.6



#31
Cyclohexane
Concen: 1.44 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002306.D
Acq: 08 May 2018 20:13

Tgt Ion: 56 Resp: 1786
Ion Ratio Lower Upper
56 100
69 138.1 26.2 39.4#
84 116.6 69.2 103.8#

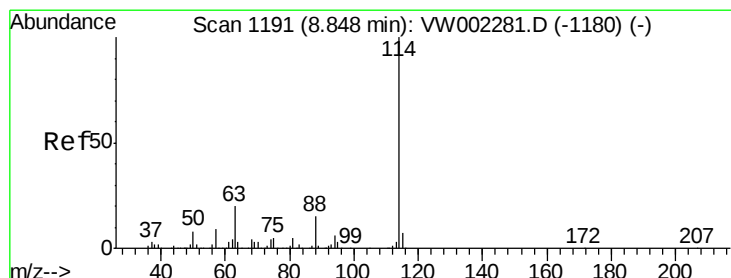
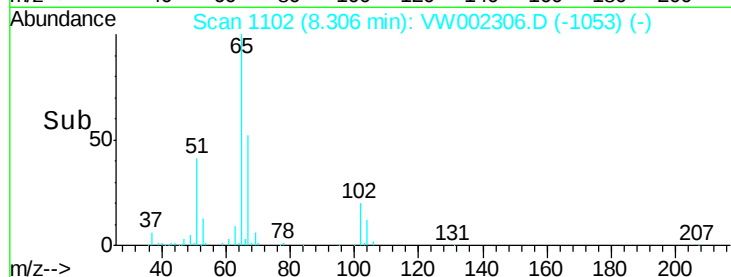
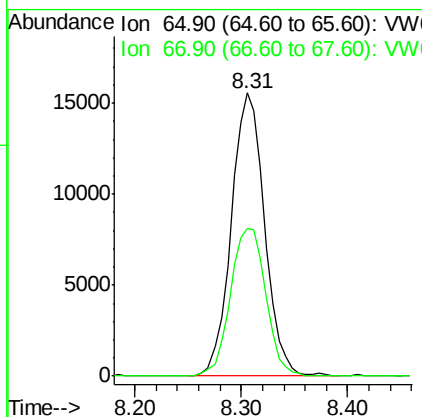
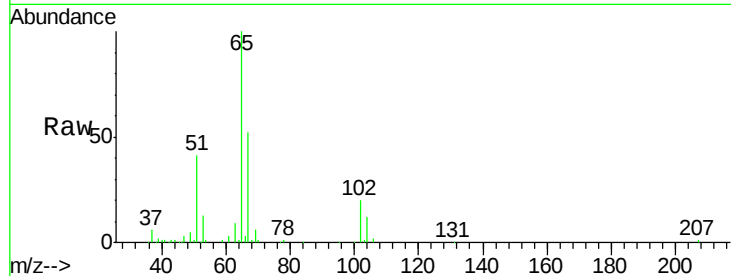




#33
 1,2-Dichloroethane-d4
 Concen: 40.97 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002306.D
 Acq: 08 May 2018 20:13

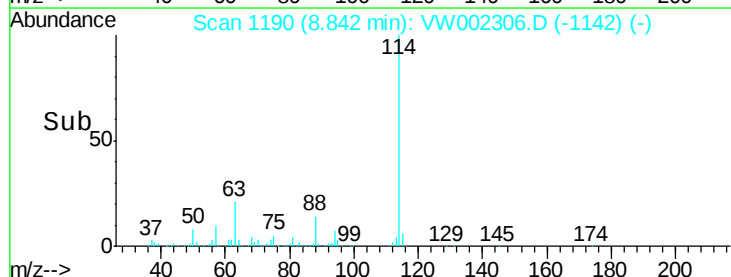
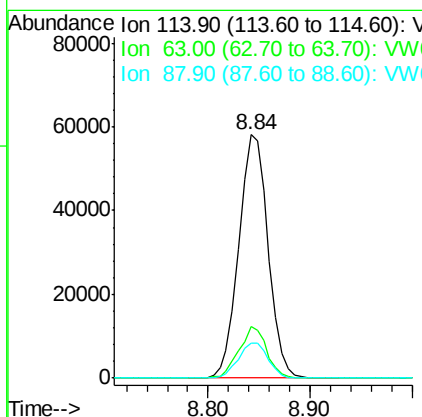
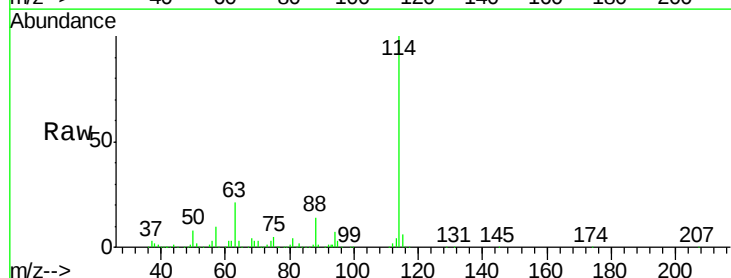
Instrument :
 MSVOA_W
 ClientSampleId :
 4215RE

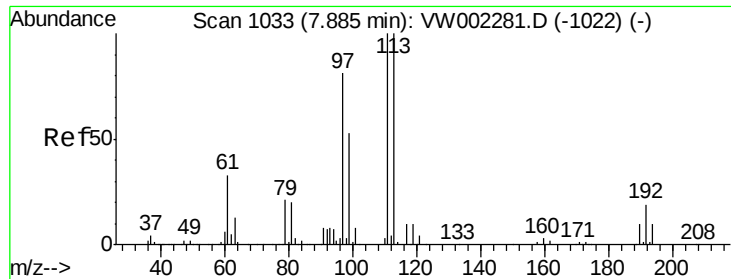
Tgt Ion: 65 Resp: 34120
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW002306.D
 Acq: 08 May 2018 20:13

Tgt Ion: 114 Resp: 115425
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.0
 88 14.4 0.0 29.6

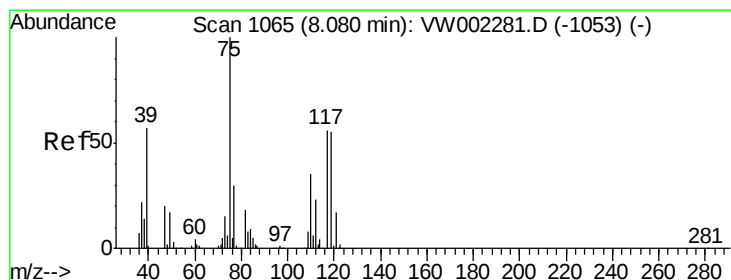
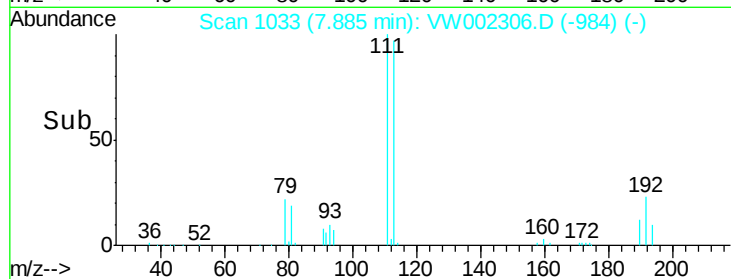
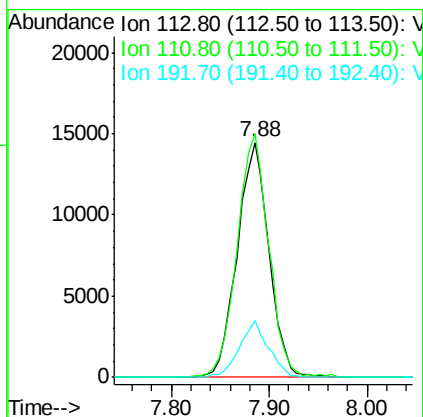
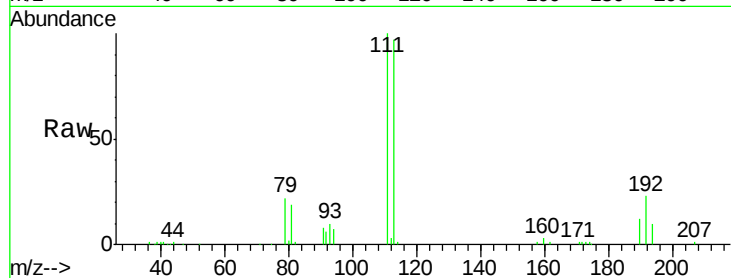




#35
 Dibromofluoromethane
 Concen: 43.89 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002306.D
 Acq: 08 May 2018 20:13

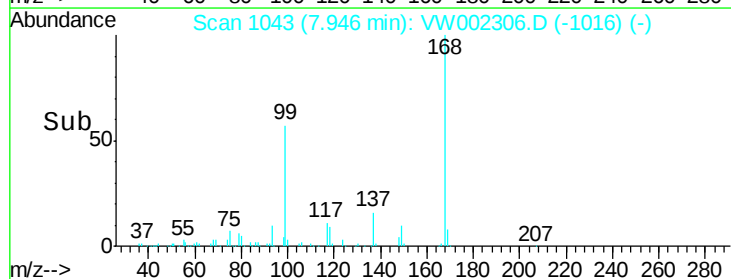
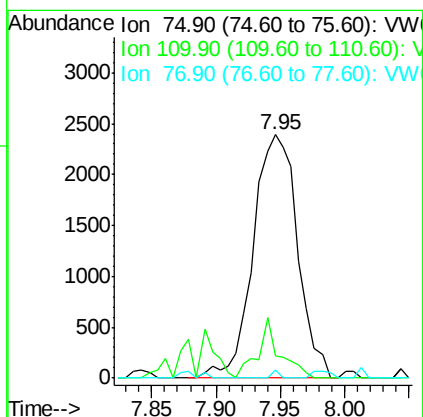
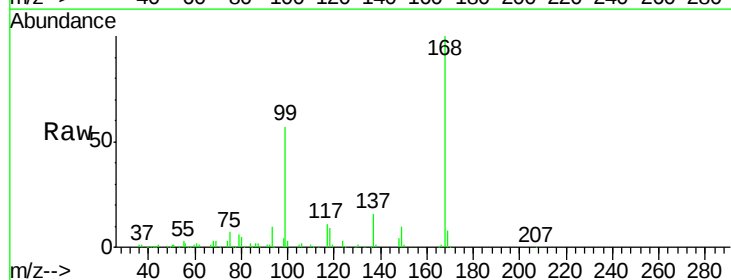
Instrument :
 MSVOA_W
 ClientSampleId :
 4215RE

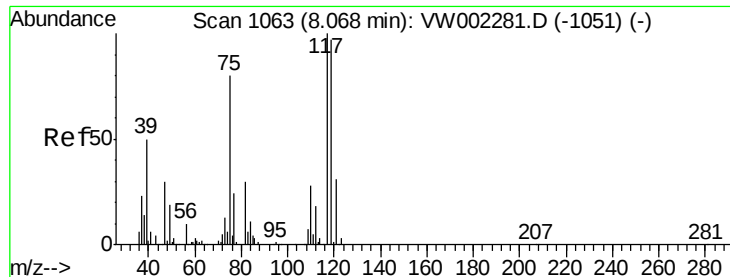
Tgt Ion:113 Resp: 32474
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.5 122.3
 192 22.0 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.44 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002306.D
 Acq: 08 May 2018 20:13

Tgt Ion: 75 Resp: 5680
 Ion Ratio Lower Upper
 75 100
 110 12.1 18.1 54.1#
 77 0.5 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.99 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA_W

ClientSampleId :

4215RE

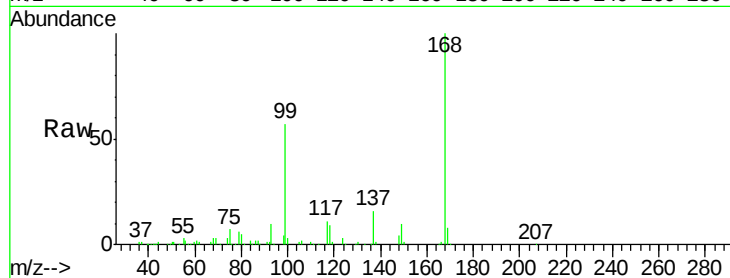
Tgt Ion:117 Resp: 8068

Ion Ratio Lower Upper

117 100

119 7.5 77.5 116.3#

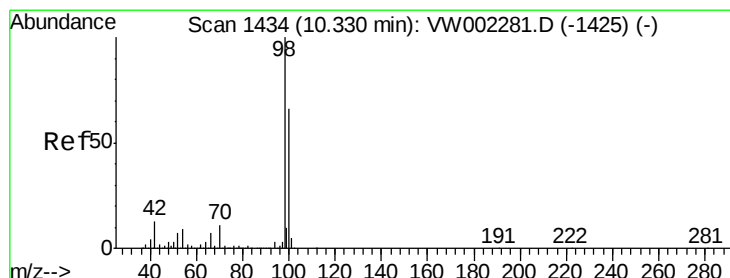
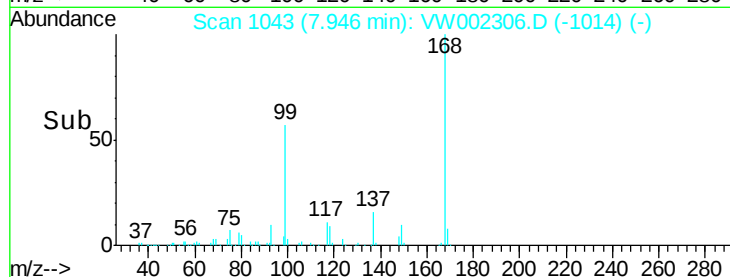
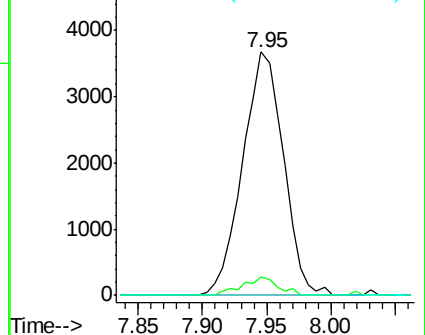
121 0.0 24.4 36.6#



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: 37.46 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002306.D

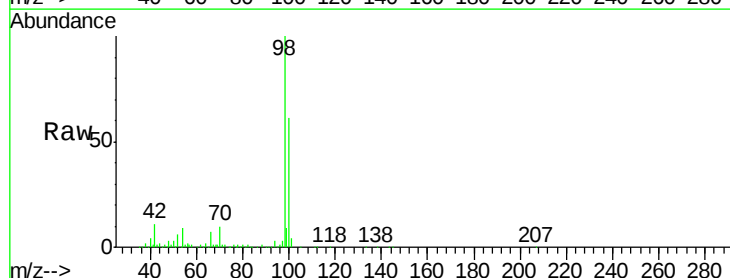
Acq: 08 May 2018 20:13

Tgt Ion: 98 Resp: 105695

Ion Ratio Lower Upper

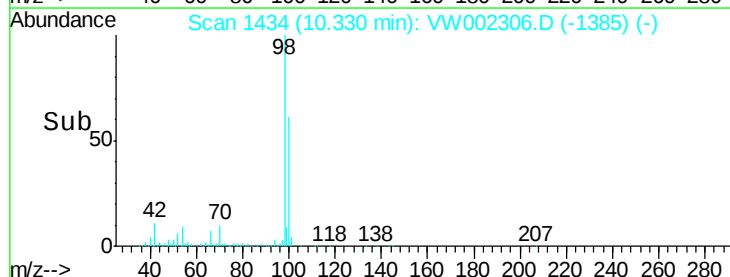
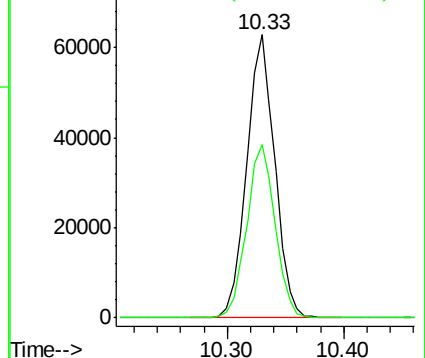
98 100

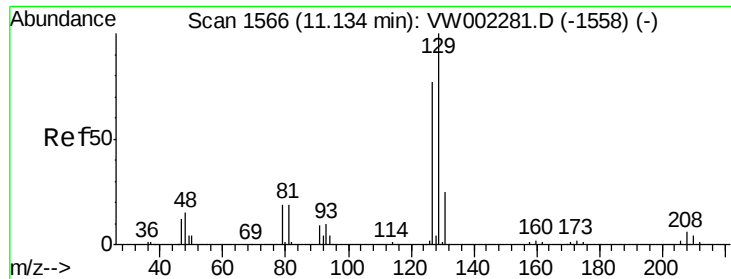
100 61.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#60

Dibromochloromethane

Concen: 1.56 ug/l

RT: 11.15 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

Instrument :

MSVOA_W

ClientSampled :

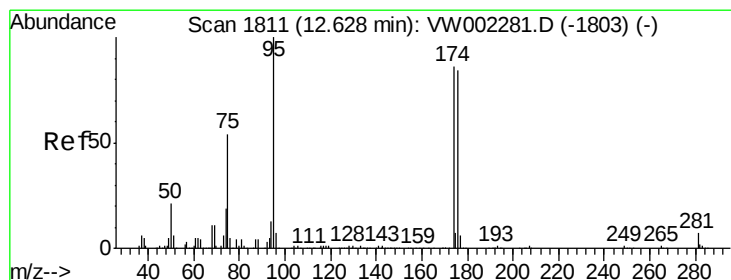
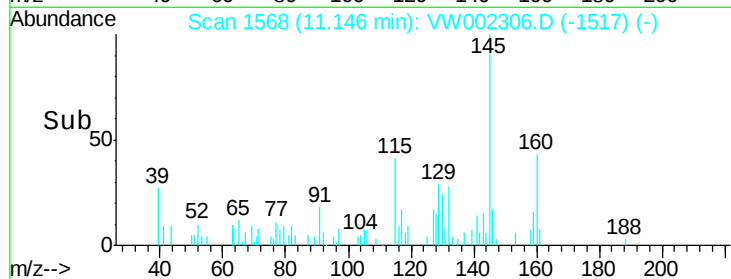
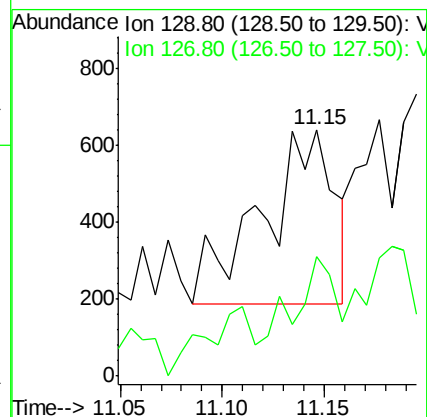
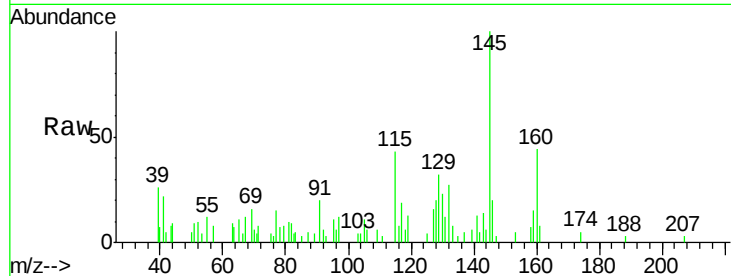
4215RE

Tgt Ion:129 Resp: 1110

Ion Ratio Lower Upper

129 100

127 38.6 39.0 116.9#



#62

4-Bromofluorobenzene

Concen: 38.18 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002306.D

Acq: 08 May 2018 20:13

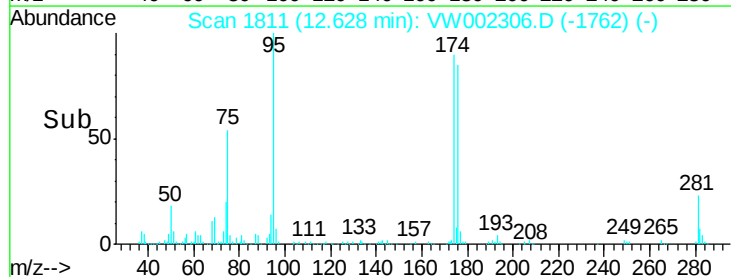
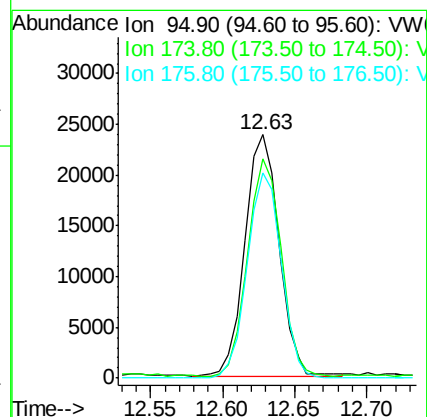
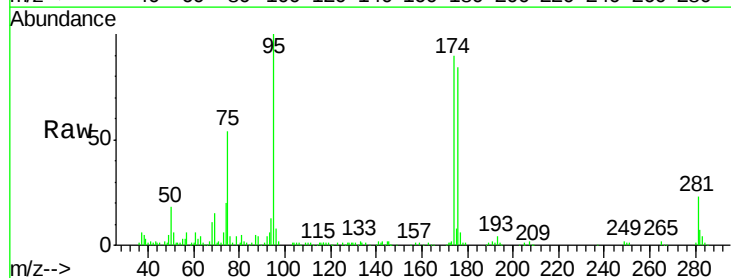
Tgt Ion: 95 Resp: 38926

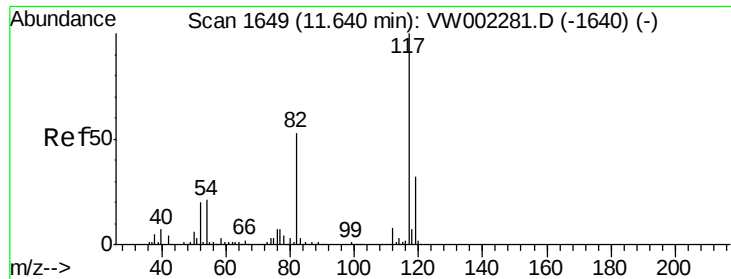
Ion Ratio Lower Upper

95 100

174 89.0 0.0 176.8

176 84.9 0.0 170.4

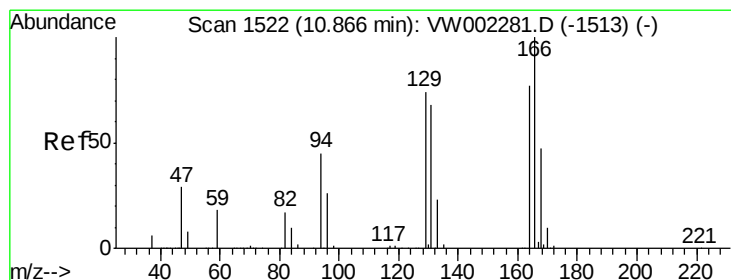
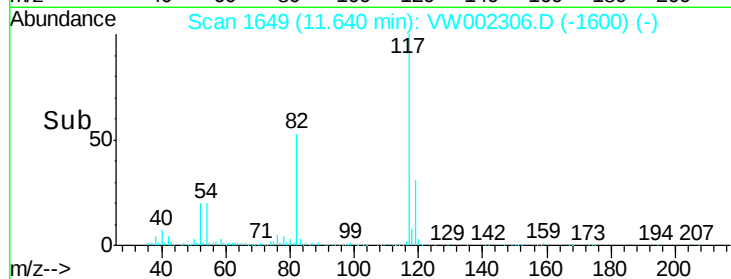
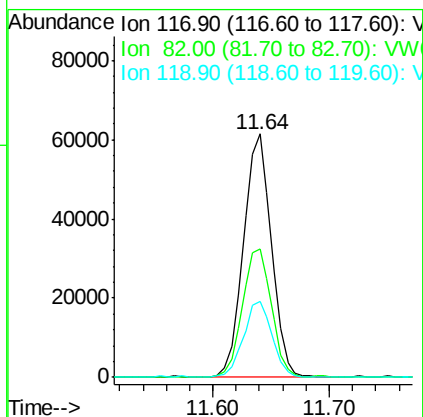
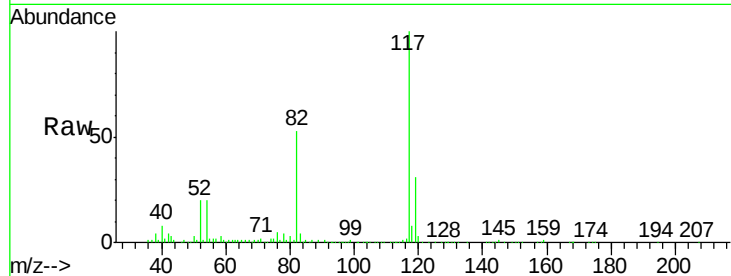




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002306.D
Acq: 08 May 2018 20:13

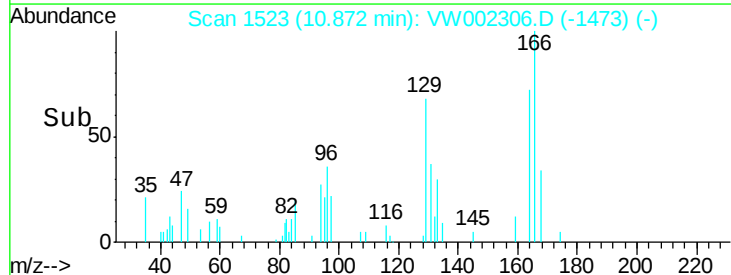
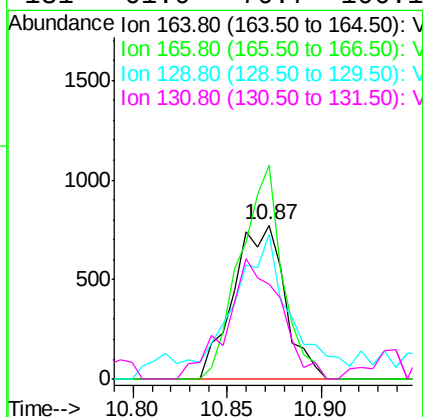
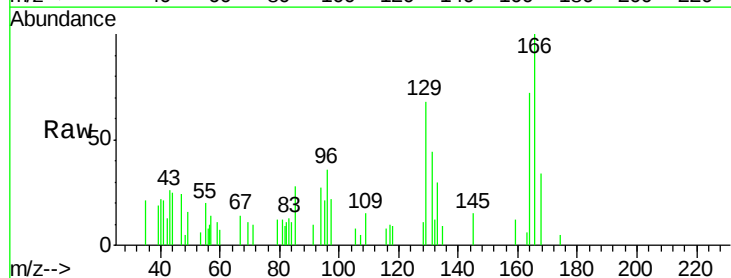
Instrument :
MSVOA_W
ClientSampled :
4215RE

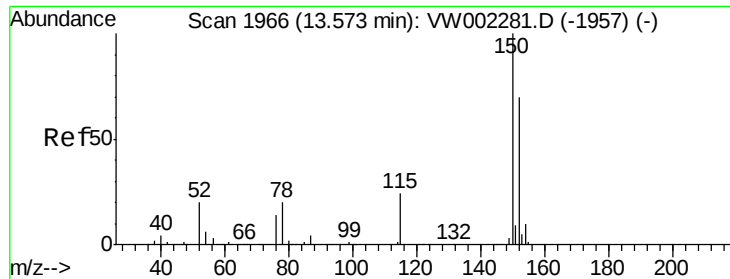
Tgt Ion:117 Resp: 102655
Ion Ratio Lower Upper
117 100
82 52.8 42.6 63.8
119 31.2 25.2 37.8



#64
Tetrachloroethene
Concen: 1.85 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VW002306.D
Acq: 08 May 2018 20:13

Tgt Ion:164 Resp: 1458
Ion Ratio Lower Upper
164 100
166 138.5 103.3 154.9
129 81.4 76.6 114.8
131 61.0 70.7 106.1#

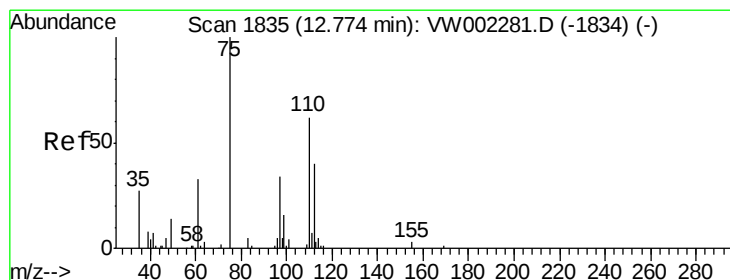
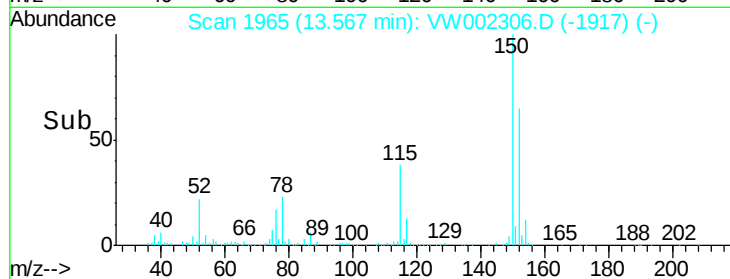
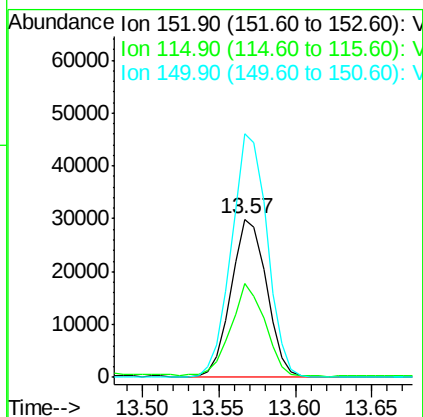
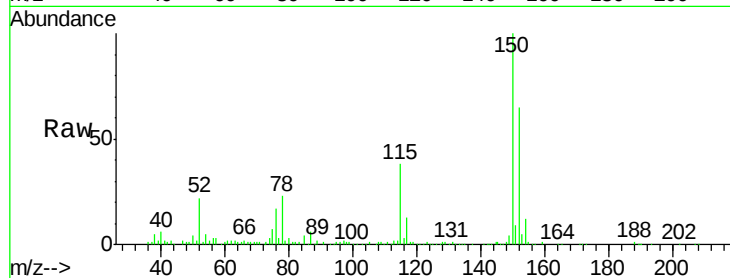




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.01 min
 Lab File: VW002306.D
 Acq: 08 May 2018 20:13

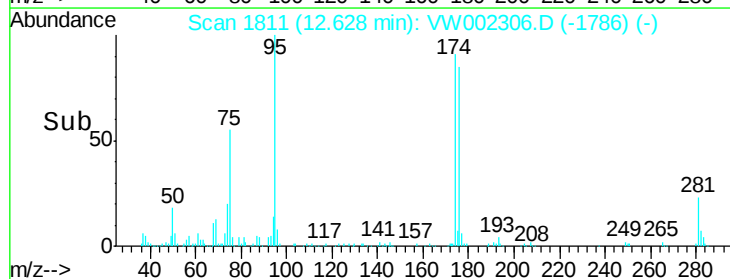
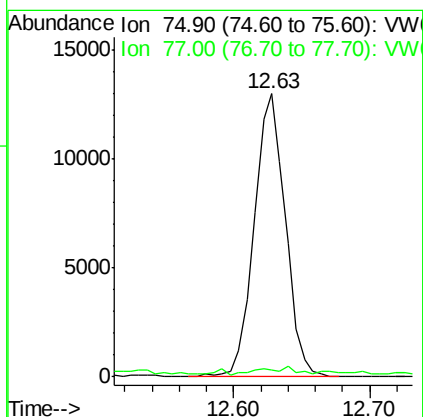
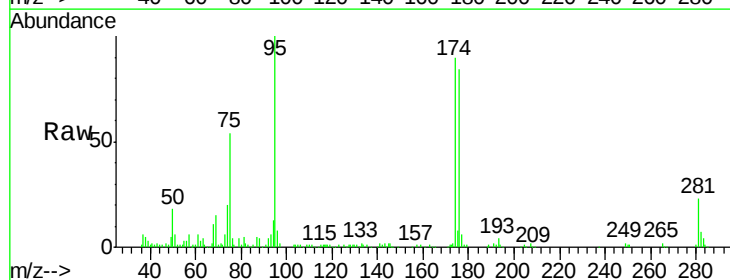
Instrument :
 MSVOA_W
 ClientSampleId :
 4215RE

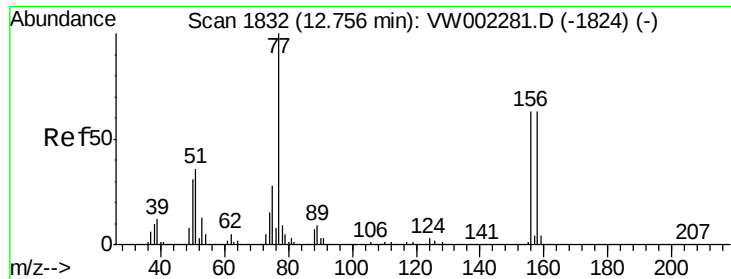
Tgt Ion:152 Resp: 48410
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.5 85.5
 150 154.6 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 48.66 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002306.D
 Acq: 08 May 2018 20:13

Tgt Ion: 75 Resp: 20891
 Ion Ratio Lower Upper
 75 100
 77 2.0 187.5 562.6#

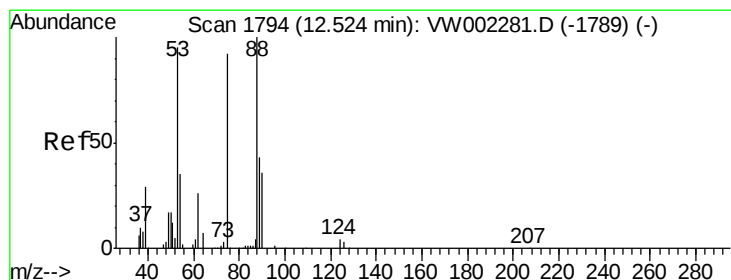
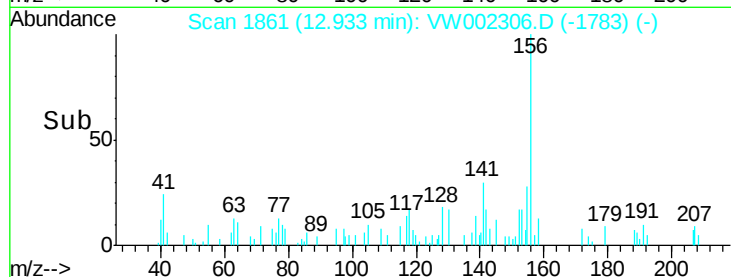
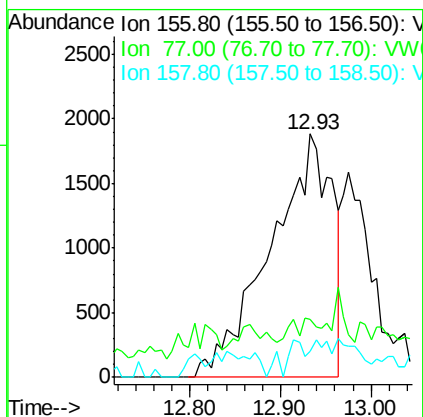
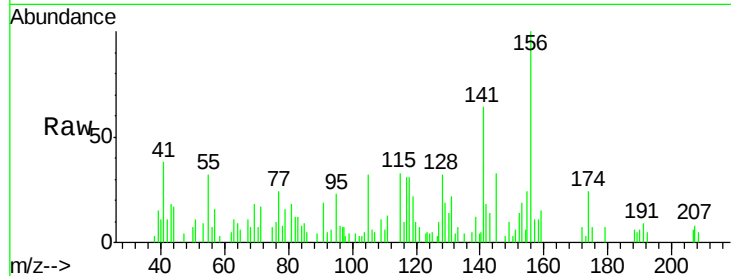




#77
Bromobenzene
Concen: 11.15 ug/l
RT: 12.93 min Scan# 1861
Delta R.T. 0.18 min
Lab File: VW002306.D
Acq: 08 May 2018 20:13

Instrument :
MSVOA_W
ClientSampleId :
4215RE

Tgt Ion:156 Resp: 8834
Ion Ratio Lower Upper
156 100
77 0.0 87.7 263.1#
158 1.6 48.6 145.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.19 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.10 min
Lab File: VW002306.D
Acq: 08 May 2018 20:13

Tgt Ion: 75 Resp: 20891
Ion Ratio Lower Upper
75 100
53 1.0 79.9 119.9#
89 0.1 37.6 56.4#

