

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091718\
 Data File : VW005470.D
 Acq On : 18 Sep 2018 09:15
 Operator : SY/AP
 Sample : J4936-31
 Misc : 3.30G/5ML/MSVOA W/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 11:36:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

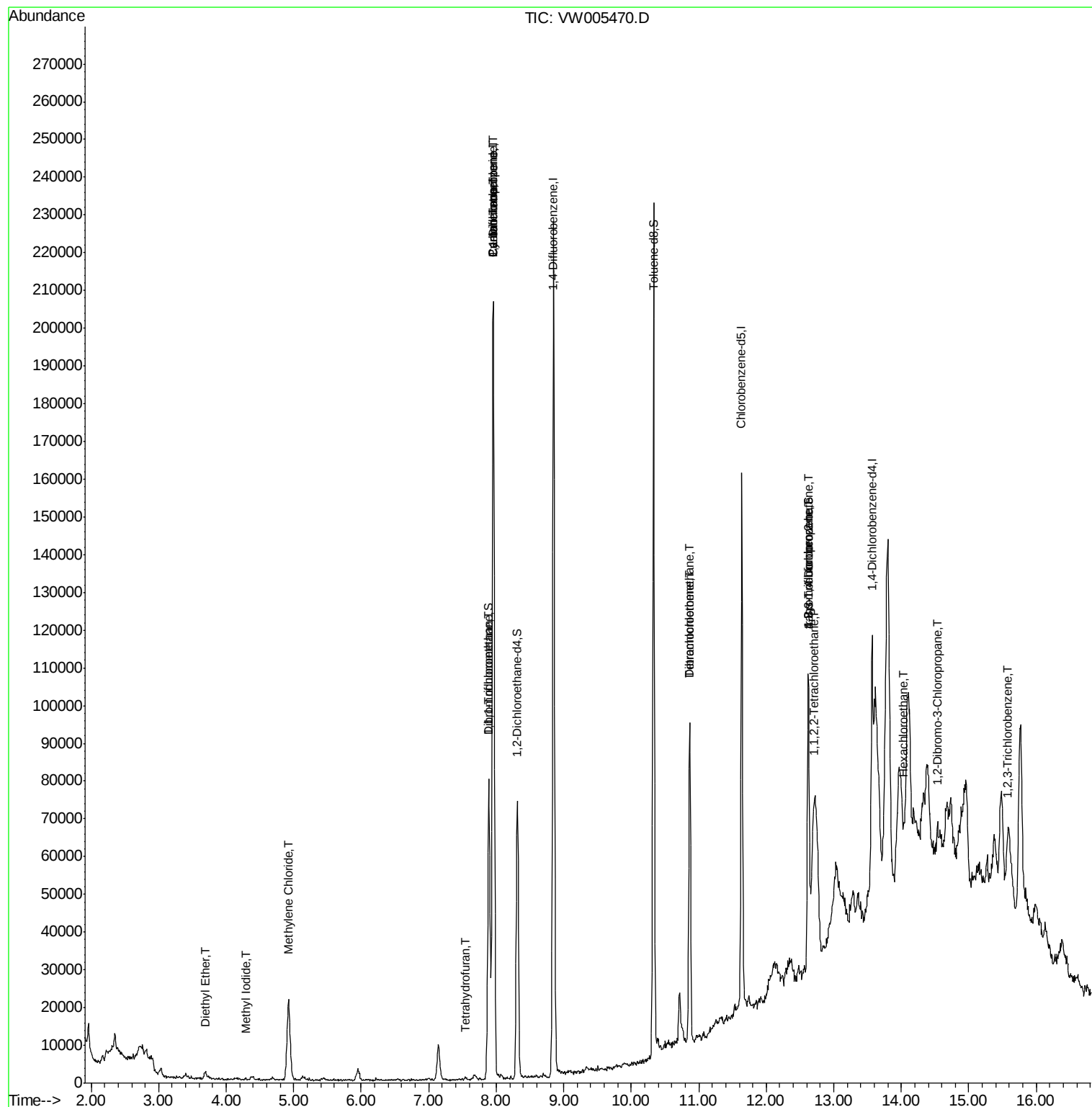
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	156190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	184964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	78593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15266	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	59292	36.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.14%	
35) Dibromofluoromethane	7.89	113	54572	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.33	98	148449	31.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.52%	
62) 4-Bromofluorobenzene	12.62	95	19801	11.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	268	Below Cal		89
5) Bromomethane	2.76	94	262	Below Cal	#	4
8) Diethyl Ether	3.69	74	948	1.394	ug/l	75
10) Methyl Iodide	4.28	142	126	4.119	ug/l #	58
11) Tert butyl alcohol	5.26	59	46	Below Cal	#	71
16) Acetone	4.15	43	599	Below Cal		98
20) Methylene Chloride	4.93	84	15319	4.275	ug/l	94
29) Tetrahydrofuran	7.54	42	363	1.461	ug/l #	88
31) Cyclohexane	7.96	56	3877	1.498	ug/l #	4
32) 1,1,1-Trichloroethane	7.88	97	3371	1.305	ug/l #	48
36) 1,1-Dichloropropene	7.96	75	12675	7.241	ug/l #	50
38) Carbon Tetrachloride	7.96	117	15216	8.342	ug/l #	16
60) Dibromochloromethane	10.87	129	17285	16.219	ug/l #	11
64) Tetrachloroethene	10.87	164	19621	33.780	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.70	83	7067	45.231	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	9617	76.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9617	198.688	ug/l #	10
90) Hexachloroethane	14.04	117	212	1.234	ug/l	64
92) 1,2-Dibromo-3-Chloropropan	14.52	75	78	2.599	ug/l #	33
96) 1,2,3-Trichlorobenzene	15.57	180	278	1.064	ug/l #	23

(#) = 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: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

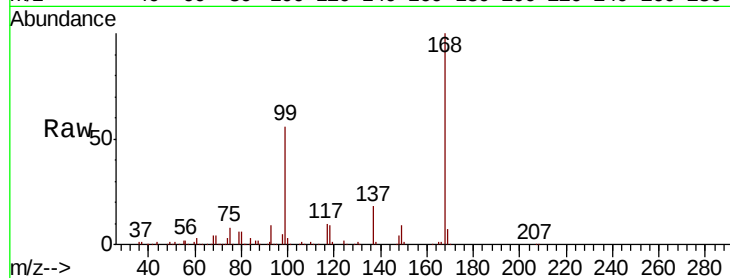
ClientSampled :

Tot Ion:168 Resp: 156190

Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

80000

60000

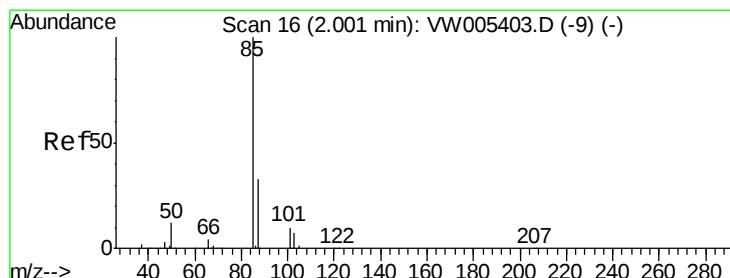
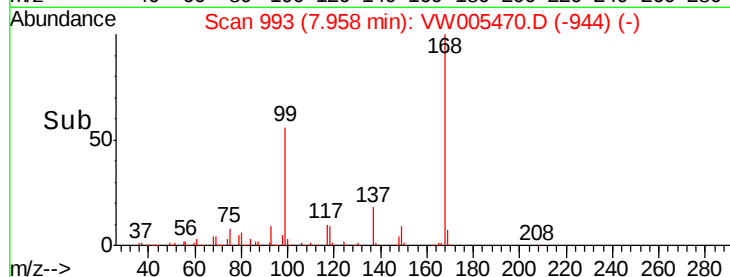
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005470.D

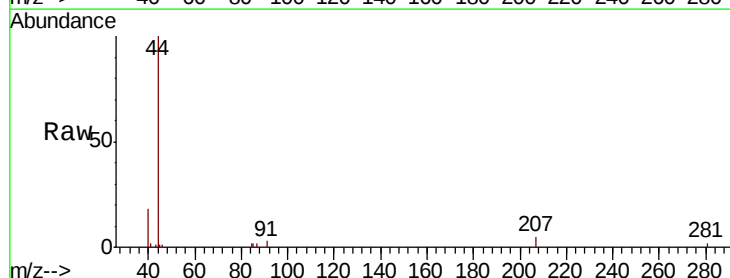
Acq: 18 Sep 2018 09:15

Tgt Ion: 85 Resp: 268

Ion Ratio Lower Upper

85 100

87 38.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

250

200

150

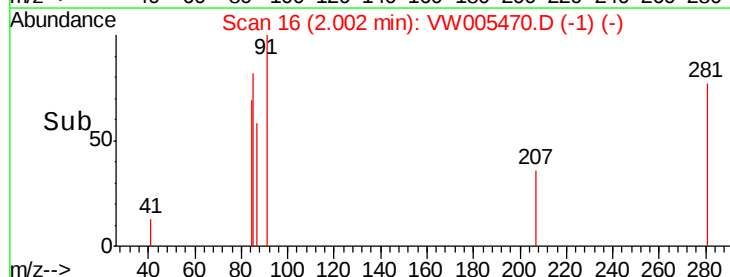
100

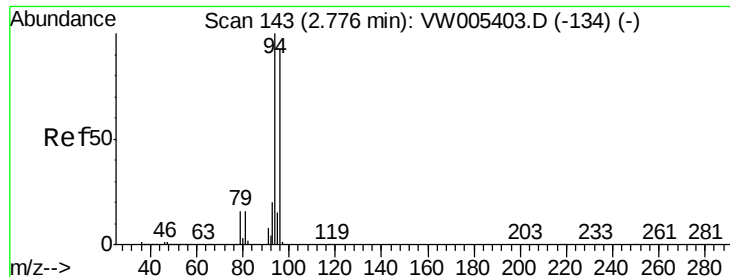
50

0

1.96 1.98 2.00 2.02 2.04

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

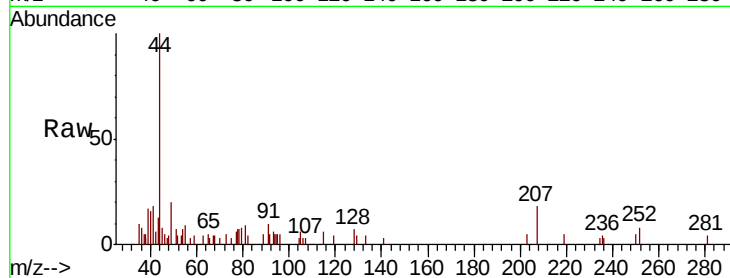
ClientSampled :

Tot Ion: 94 Resp: 262

Ion Ratio Lower Upper

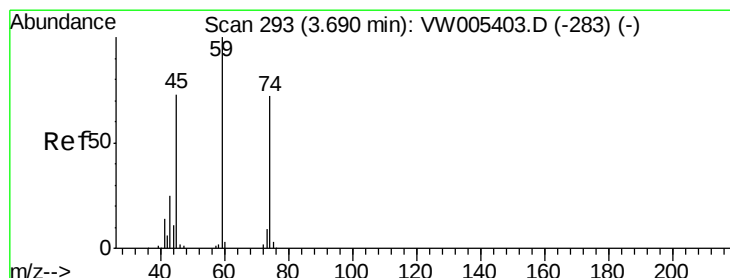
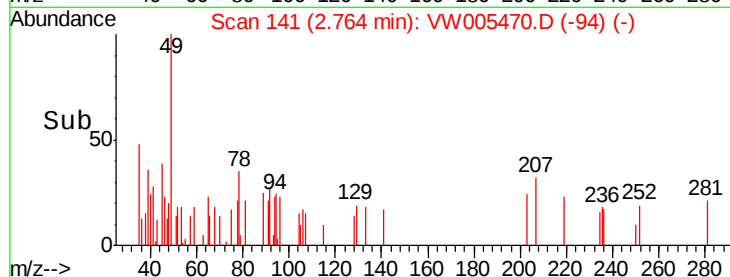
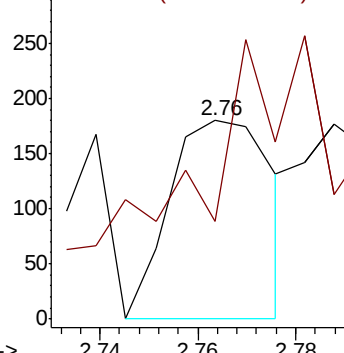
94 100

96 0.0 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.394 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW005470.D

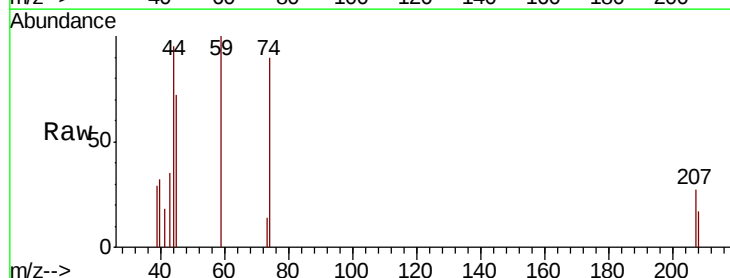
Acq: 18 Sep 2018 09:15

Tgt Ion: 74 Resp: 948

Ion Ratio Lower Upper

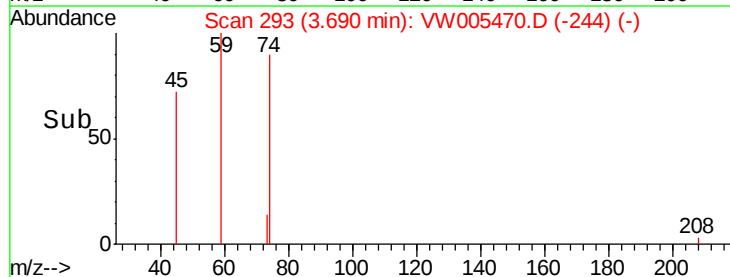
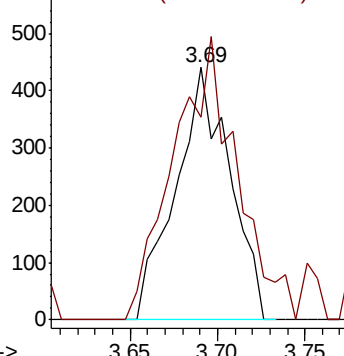
74 100

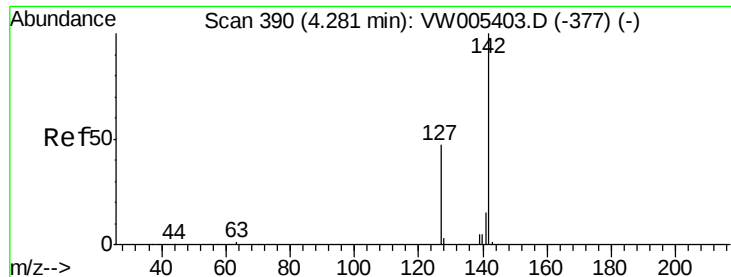
45 132.1 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

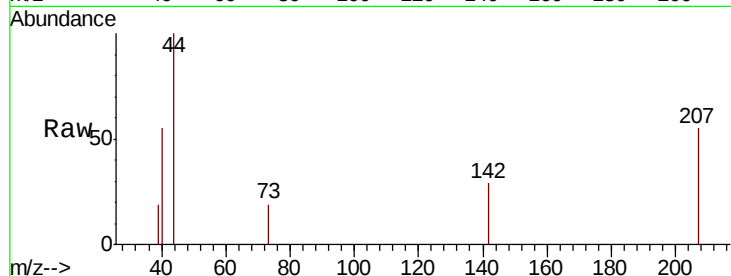




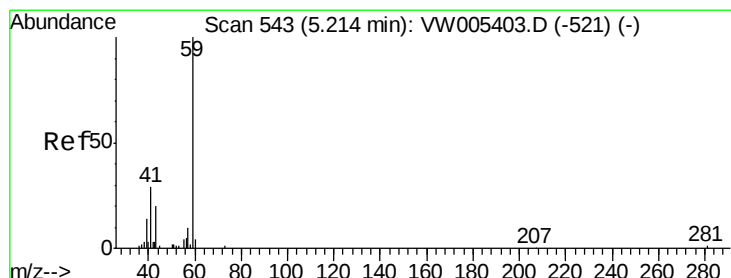
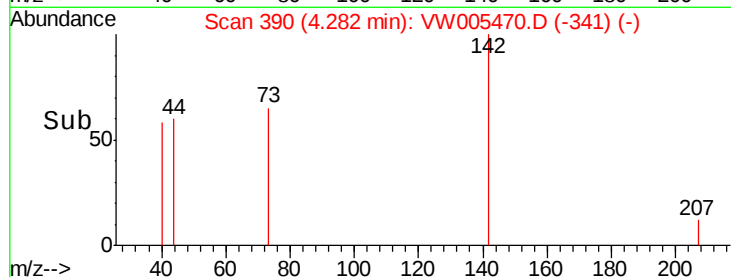
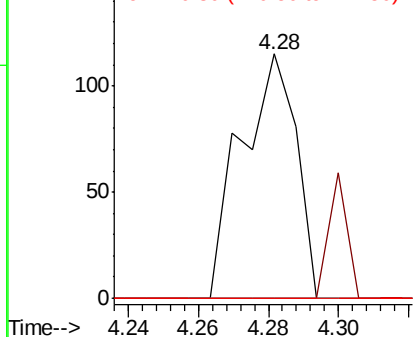
#10
Methvl Iodide
Concen: 4.119 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.00 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:142 Resp: 126
Ion Ratio Lower Upper
142 100
127 17.5 37.5 56.3#
141 0.0 12.4 18.6#

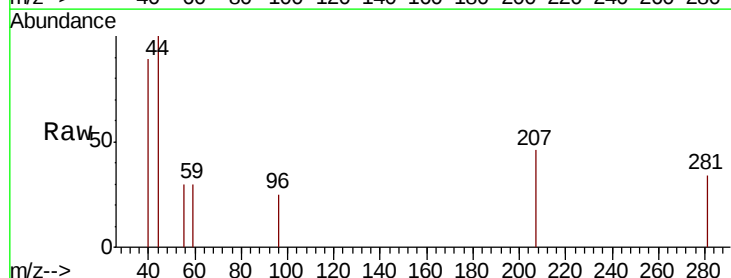


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

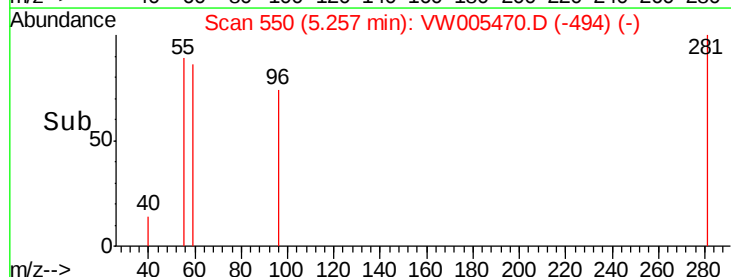
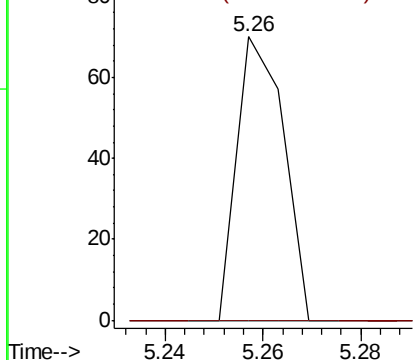


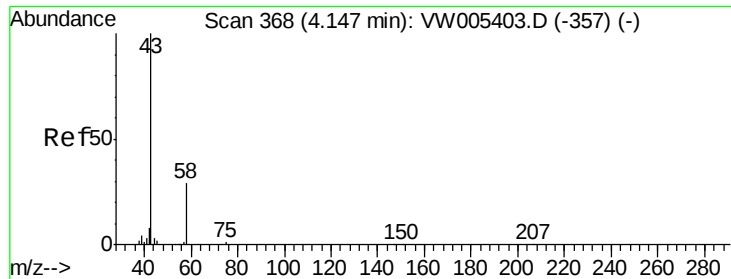
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 550
Delta R.T. 0.04 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

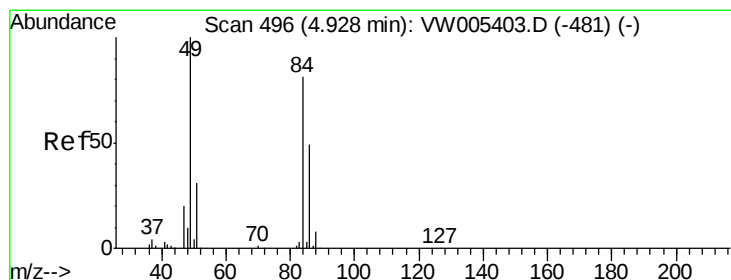
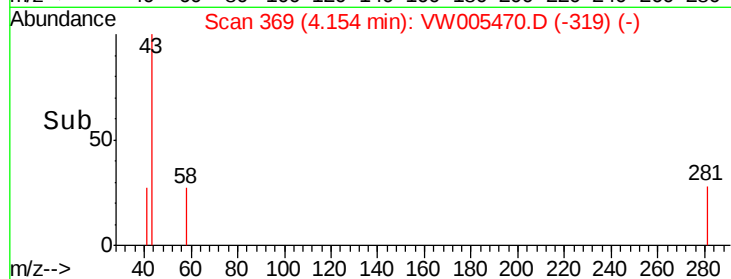
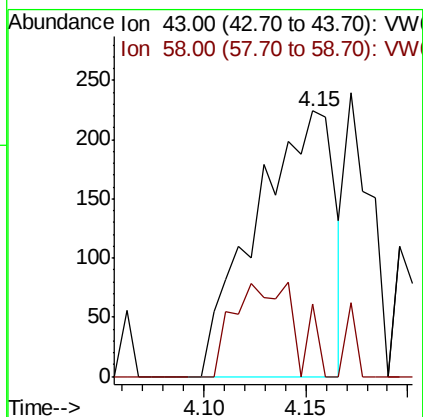
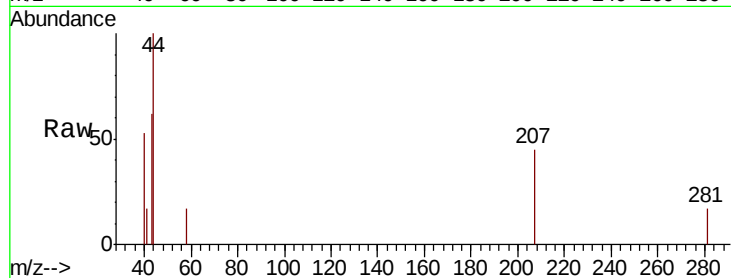
ClientSampled :

Tot Ion: 43 Resp: 599

Ion Ratio Lower Upper

43 100

58 27.2 22.8 34.2



#20

Methylene Chloride

Concen: 4.275 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Tgt Ion: 84 Resp: 15319

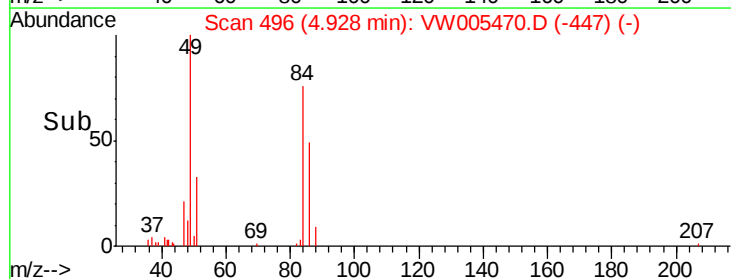
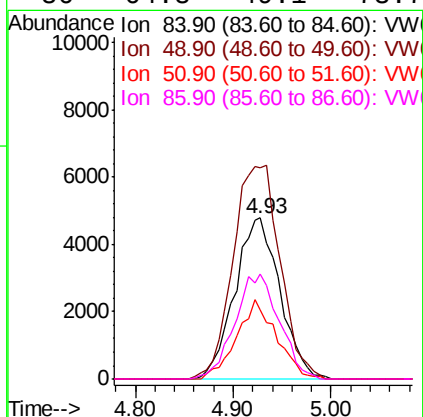
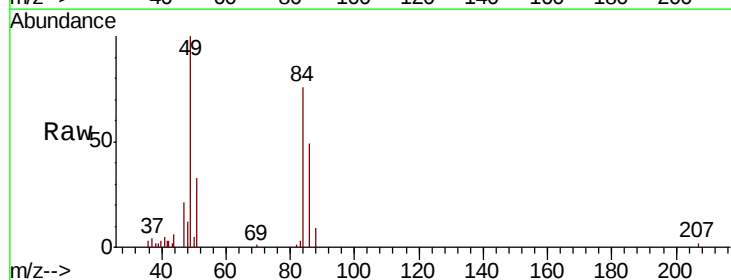
Ion Ratio Lower Upper

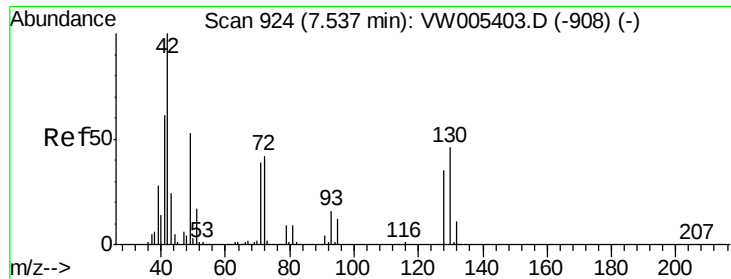
84 100

49 131.2 99.3 148.9

51 42.9 31.1 46.7

86 64.8 49.1 73.7

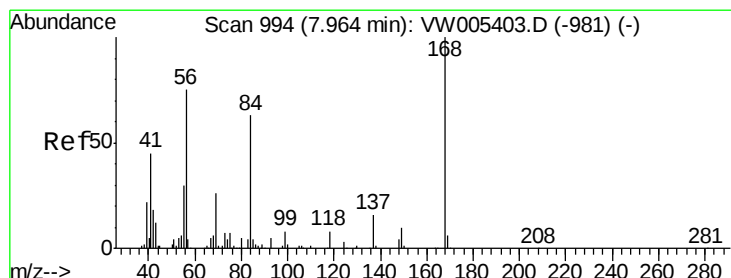
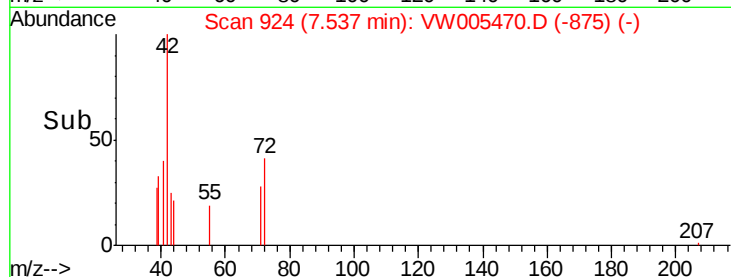
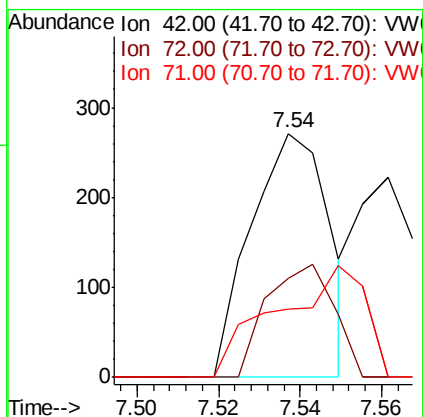
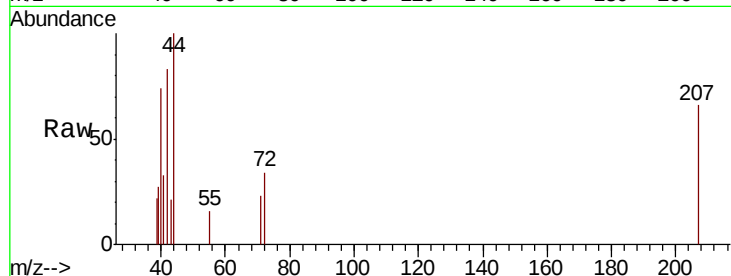




#29
Tetrahydrofuran
Concen: 1.461 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

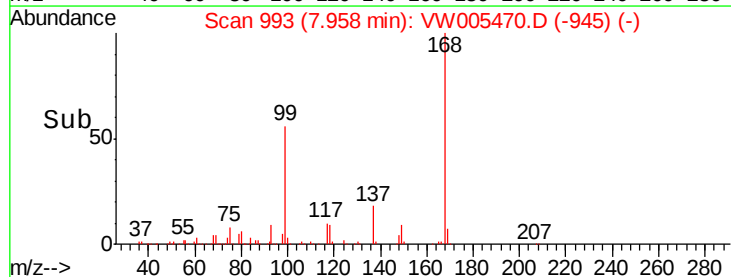
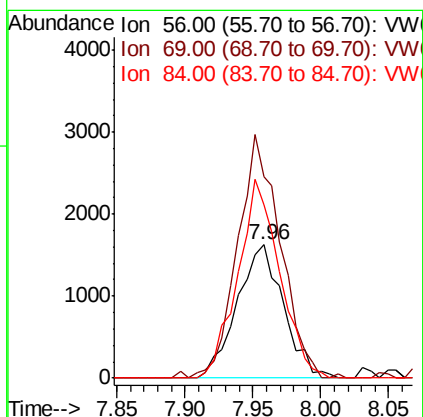
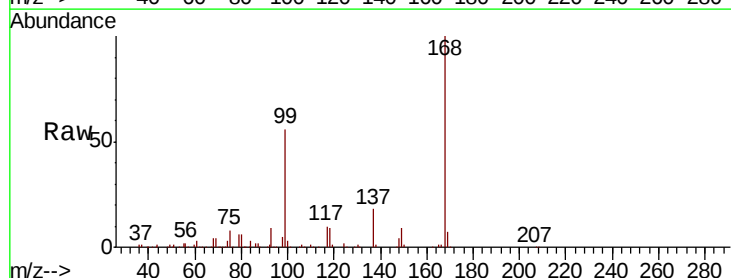
Instrument :
MSVOA_W
ClientSampleId :

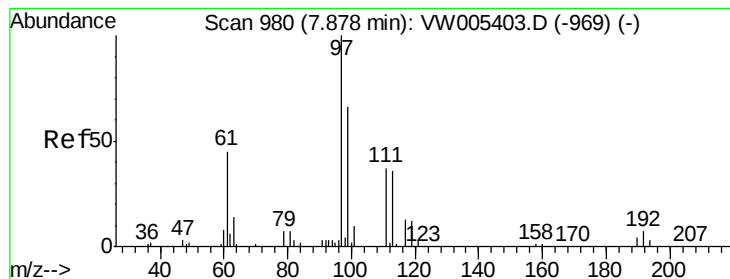
Tot Ion: 42 Resp: 363
Ion Ratio Lower Upper
42 100
72 39.7 33.2 49.8
71 51.5 31.0 46.6#



#31
Cyclohexane
Concen: 1.498 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

Tgt Ion: 56 Resp: 3877
Ion Ratio Lower Upper
56 100
69 151.0 27.2 40.8#
84 130.1 66.7 100.1#





#32

1,1,1-Trichloroethane

Concen: 1.305 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

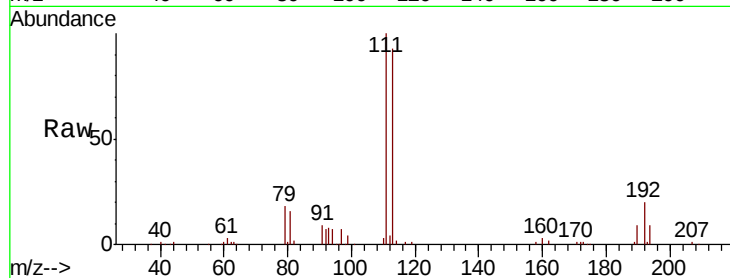
Tot Ion: 97 Resp: 3371

Ion Ratio Lower Upper

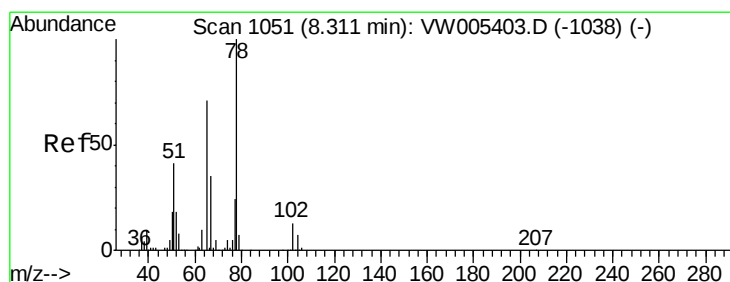
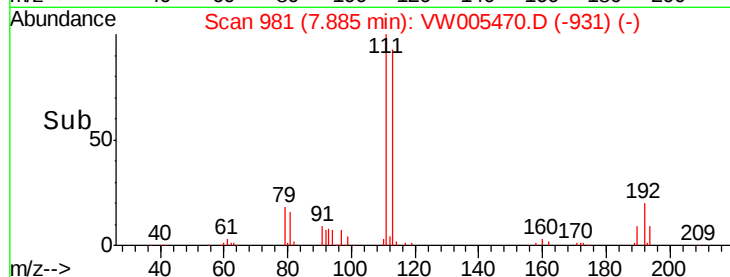
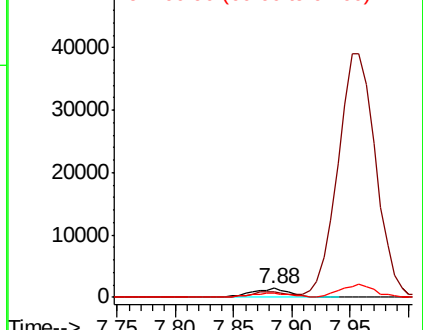
97 100

99 0.0 51.5 77.3#

61 50.9 35.8 53.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 36.572 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005470.D

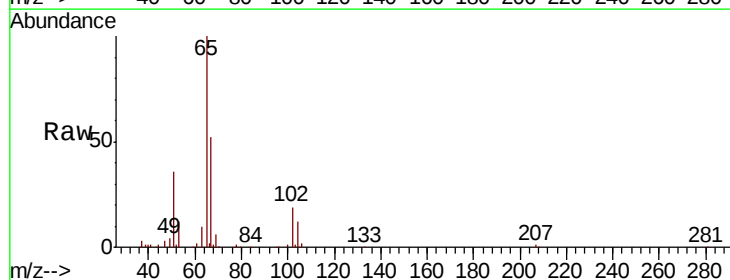
Acq: 18 Sep 2018 09:15

Tgt Ion: 65 Resp: 59292

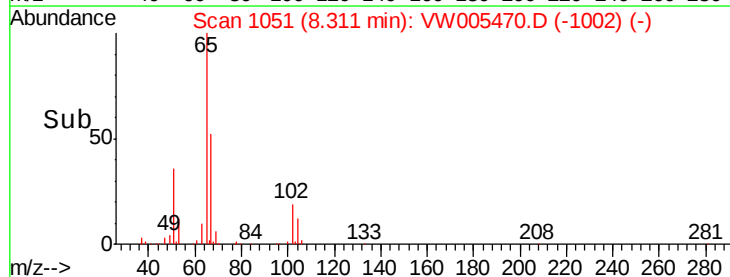
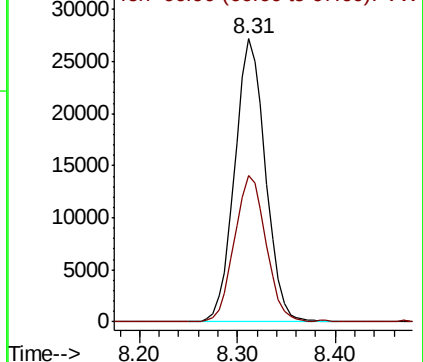
Ion Ratio Lower Upper

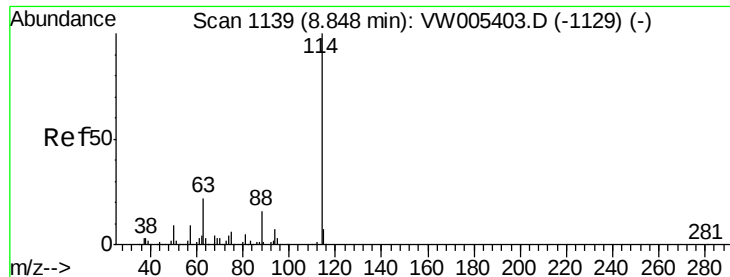
65 100

67 53.2 0.0 100.6



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

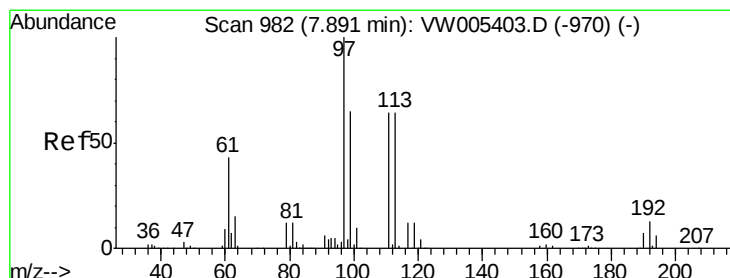
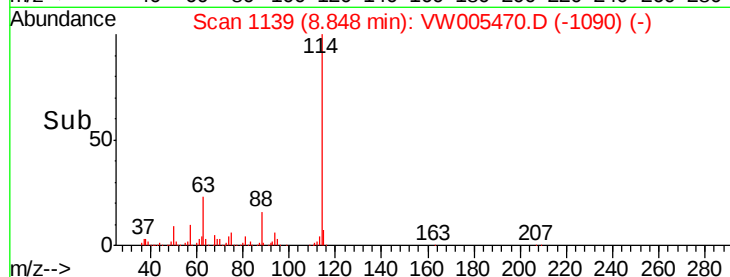
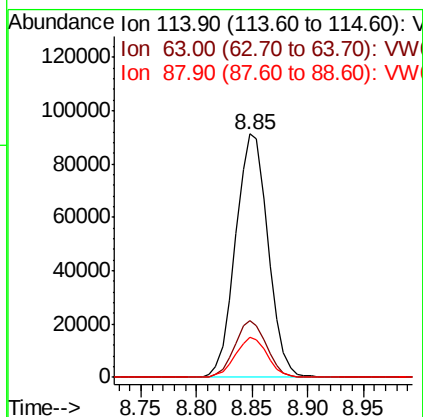
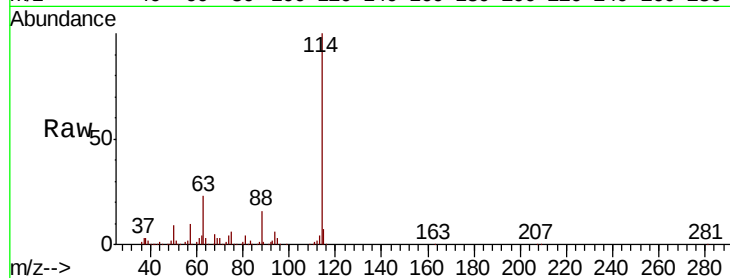




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

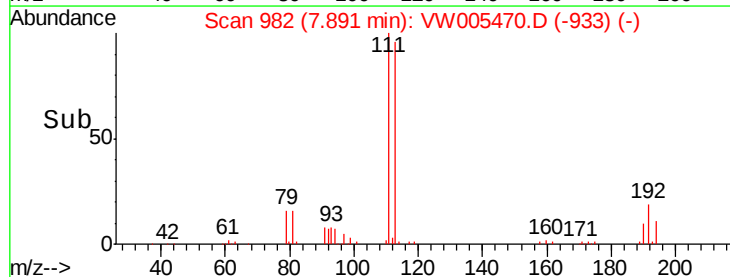
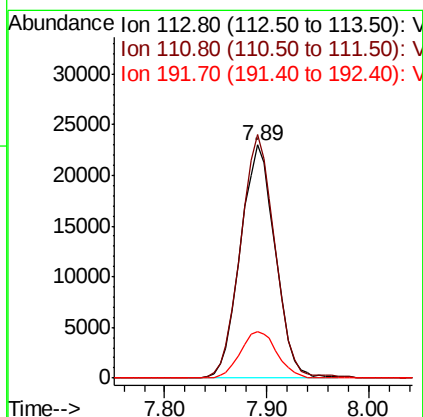
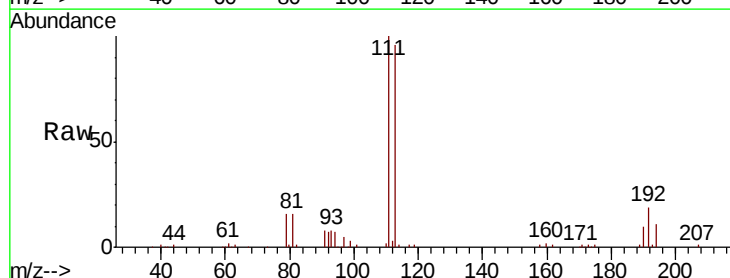
Instrument :
MSVOA_W
ClientSampleId :

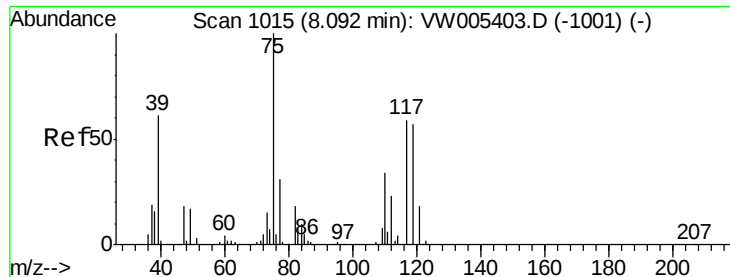
Tot Ion:114 Resp: 184964
Ion Ratio Lower Upper
114 100
63 23.1 0.0 43.4
88 16.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

Tgt Ion:113 Resp: 54572
Ion Ratio Lower Upper
113 100
111 103.1 82.3 123.5
192 20.8 16.5 24.7

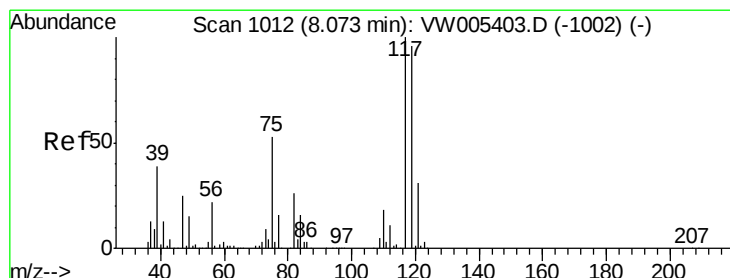
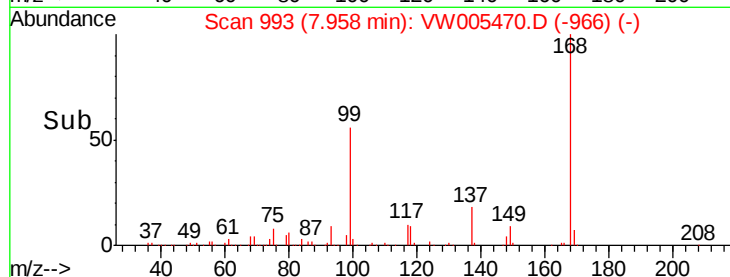
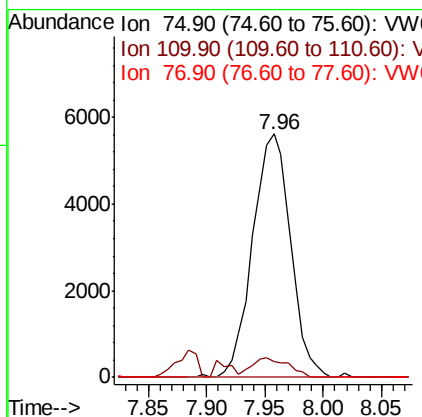
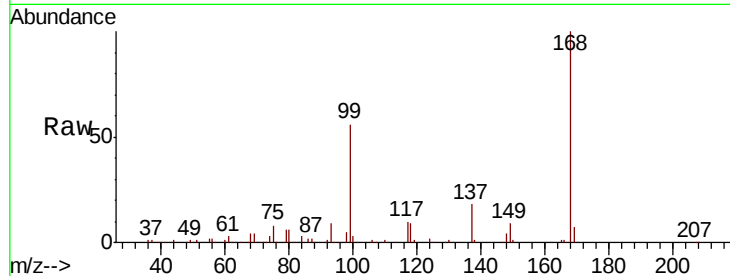




#36
 1,1-Dichloropropene
 Concen: 7.241 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005470.D
 Acq: 18 Sep 2018 09:15

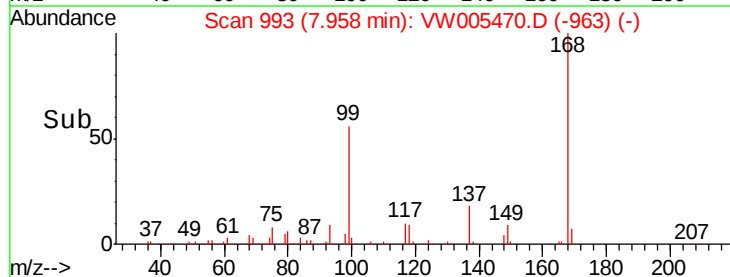
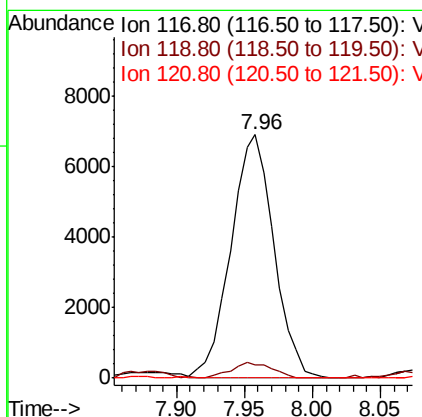
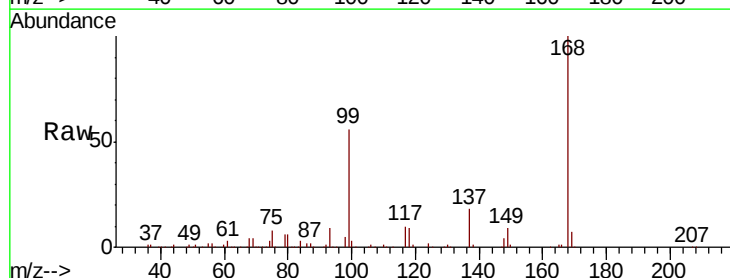
Instrument :
 MSVOA_W
 ClientSampleId :

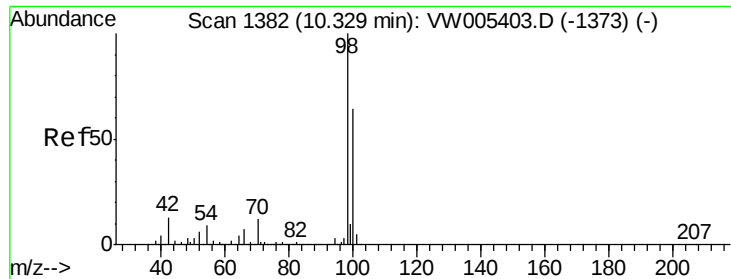
Tot Ion	75	Resp	12675
Ion Ratio	100		
Lower		16.8	50.4#
Upper		24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 8.342 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005470.D
 Acq: 18 Sep 2018 09:15

Tgt Ion	117	Resp	15216
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower		76.8	115.2#
Upper		24.7	37.1#

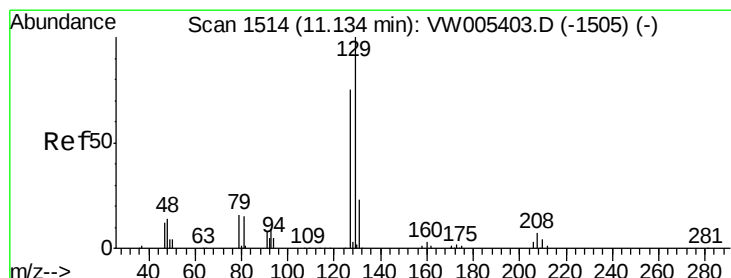
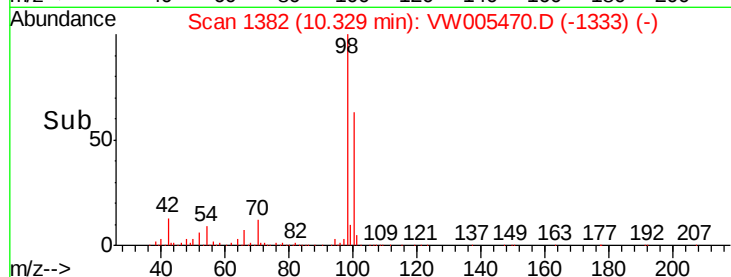
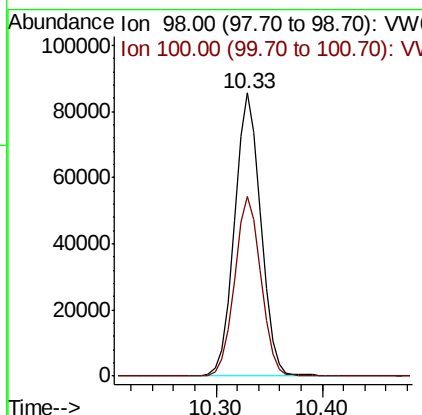
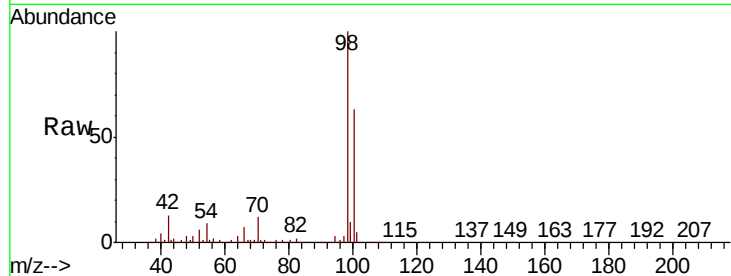




#50
Toluene-d8
Concen: 31.257 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

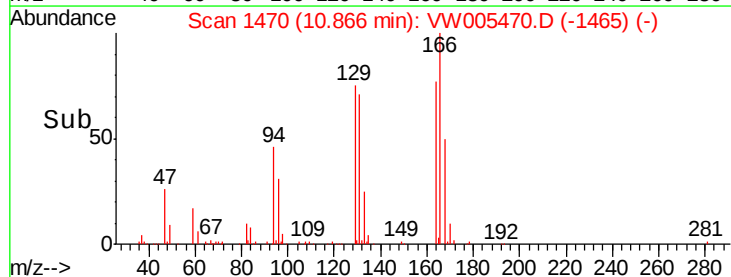
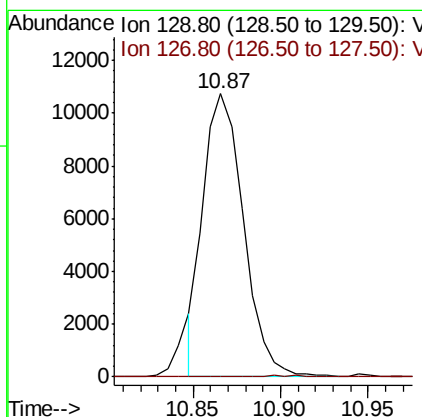
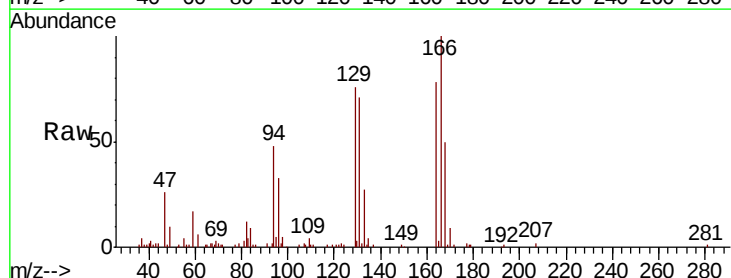
Instrument :
MSVOA_W
ClientSampled :

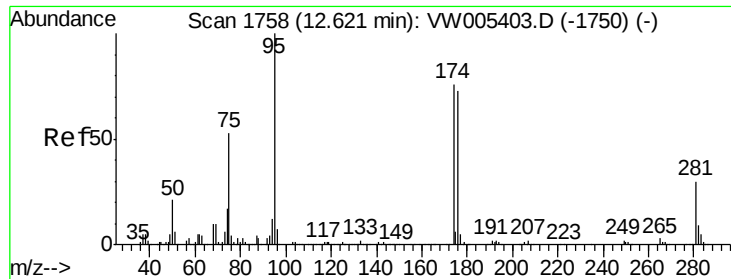
Tot Ion: 98 Resp: 148449
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#60
Dibromochloromethane
Concen: 16.219 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.27 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

Tgt Ion: 129 Resp: 17285
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

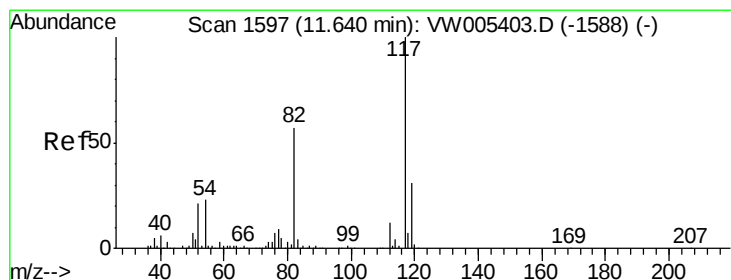
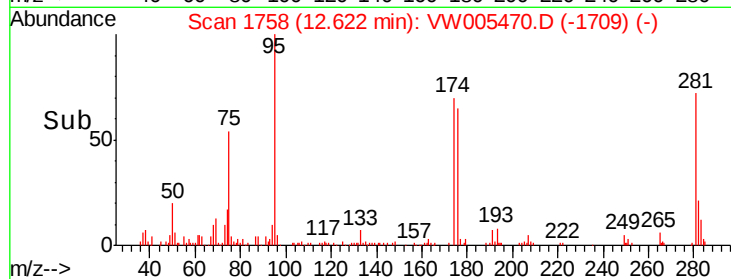
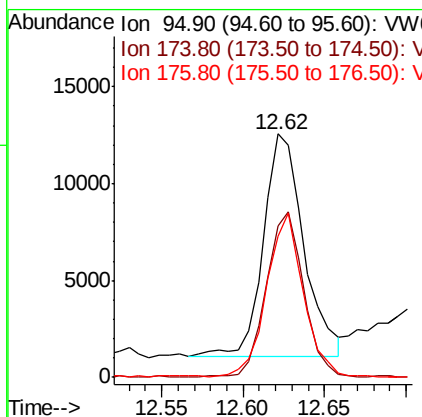
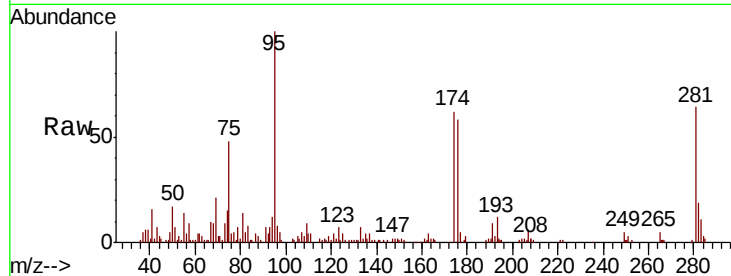




#62
4-Bromofluorobenzene
Concen: 11.371 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

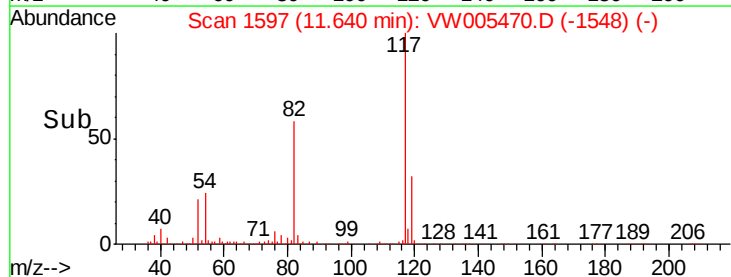
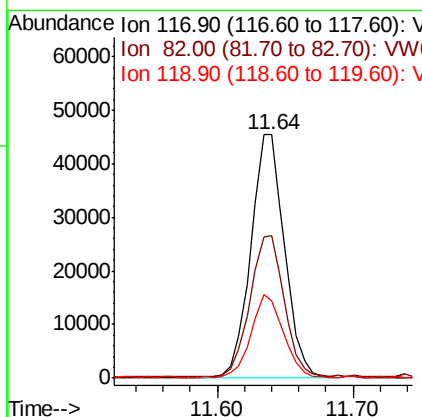
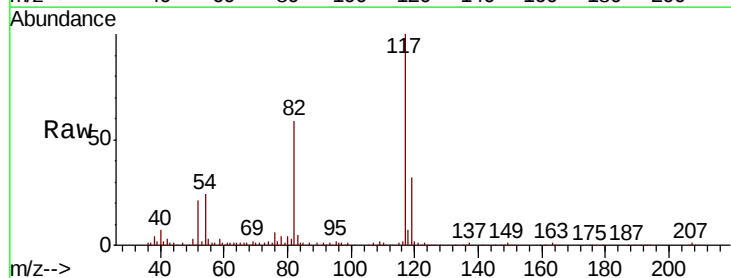
Instrument :
MSVOA_W
ClientSampleId :

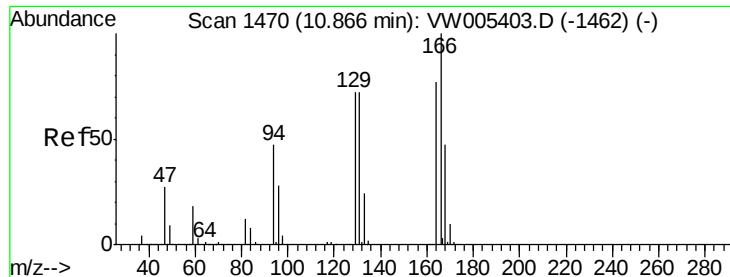
Tot Ion: 95 Resp: 19801
Ion Ratio Lower Upper
95 100
174 68.7 0.0 161.2
176 67.2 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005470.D
Acq: 18 Sep 2018 09:15

Tgt Ion: 117 Resp: 78593
Ion Ratio Lower Upper
117 100
82 58.1 45.9 68.9
119 31.4 24.8 37.2





#64

Tetrachloroethene

Concen: 33.780 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 19621

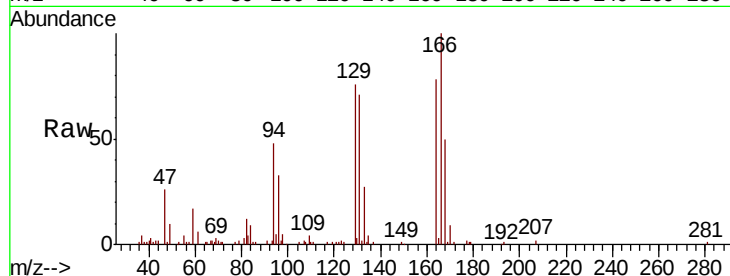
Ion Ratio Lower Upper

164 100

166 127.8 104.0 156.0

129 97.1 74.9 112.3

131 90.6 75.3 112.9

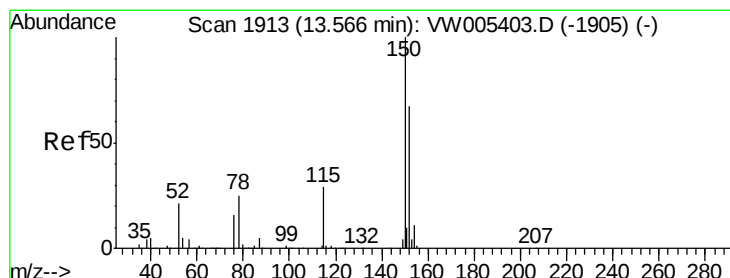
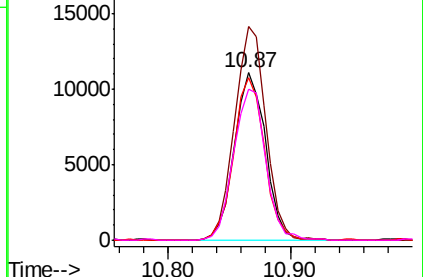
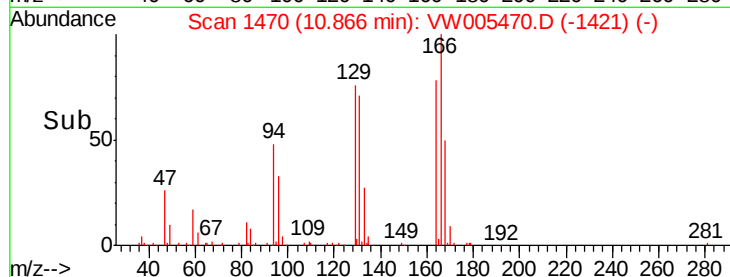


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

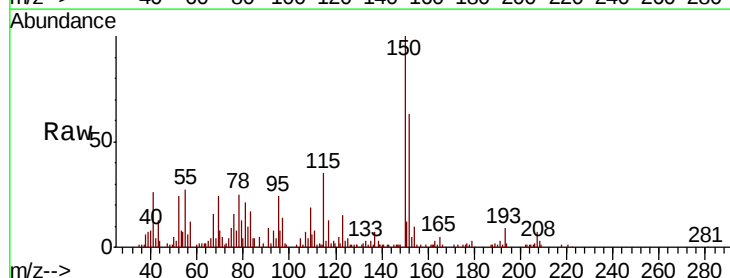
Tgt Ion:152 Resp: 15266

Ion Ratio Lower Upper

152 100

115 54.5 29.5 88.5

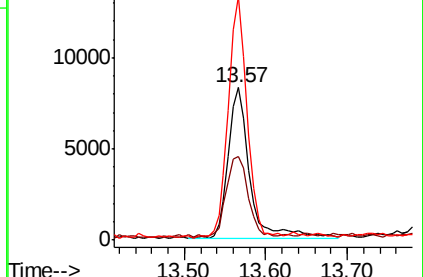
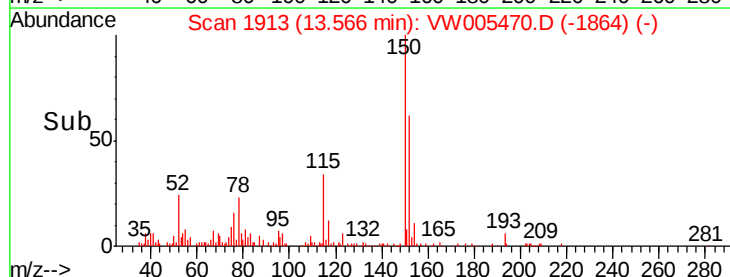
150 138.9 0.0 345.6

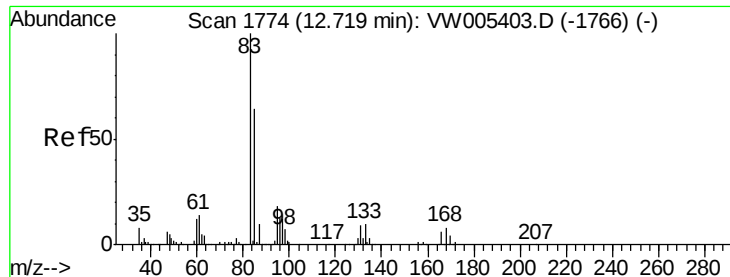


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.231 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

ClientSampled :

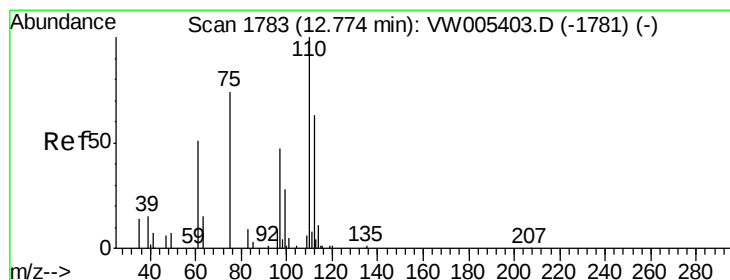
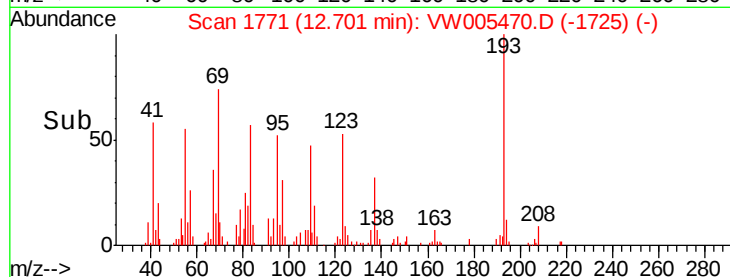
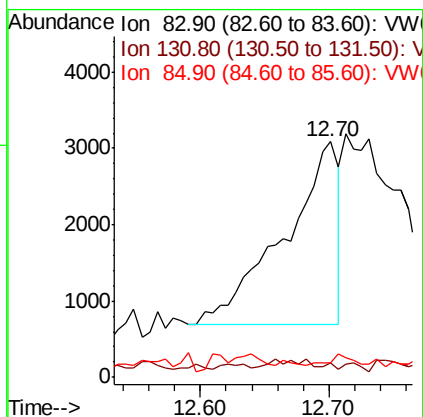
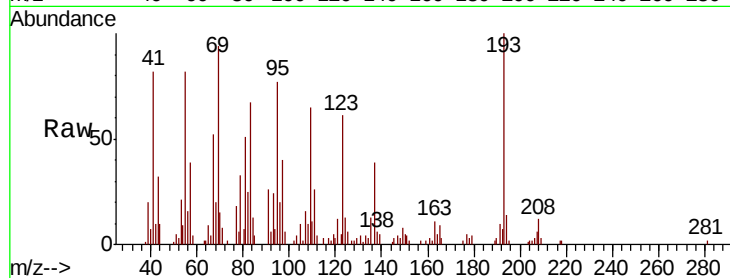
Tot Ion: 83 Resp: 7067

Ion Ratio Lower Upper

83 100

131 1.3 5.7 17.1#

85 2.1 31.6 95.0#



#76

1,2,3-Trichloropropane

Concen: 76.593 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005470.D

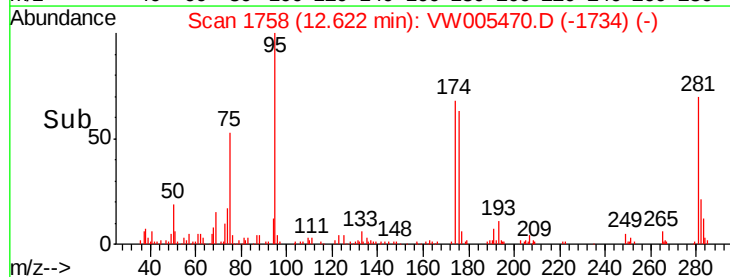
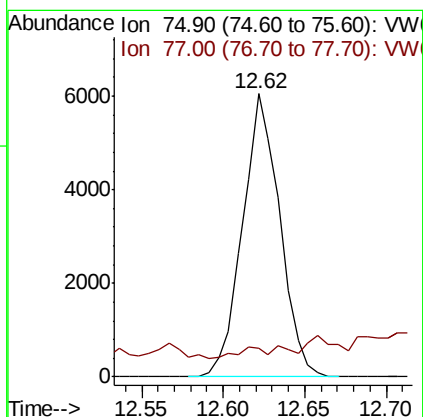
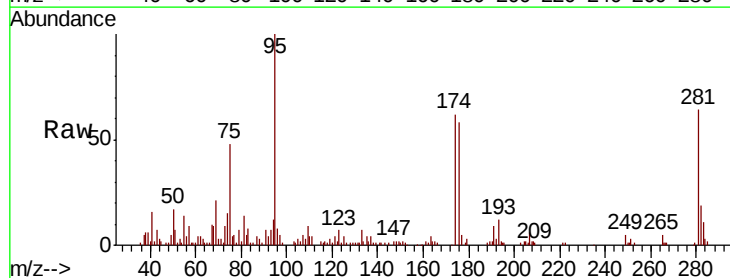
Acq: 18 Sep 2018 09:15

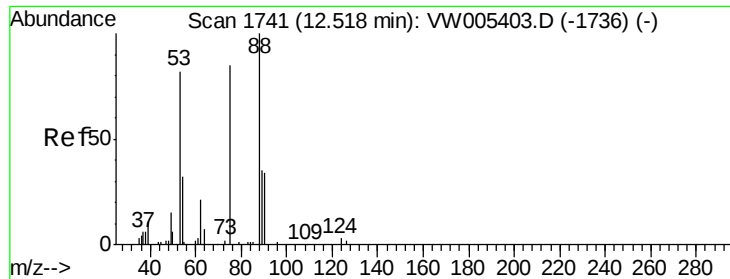
Tgt Ion: 75 Resp: 9617

Ion Ratio Lower Upper

75 100

77 2.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 198.688 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

ClientSampleId :

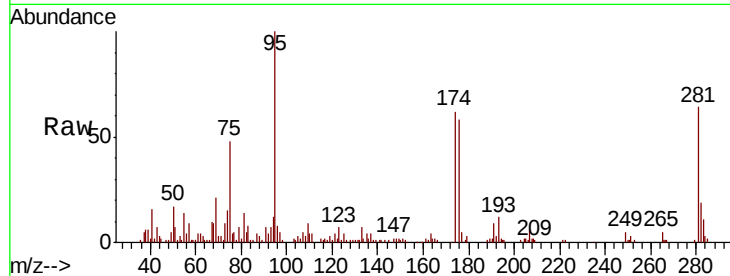
Tot Ion: 75 Resp: 9617

Ion Ratio Lower Upper

75 100

53 2.3 83.2 124.8#

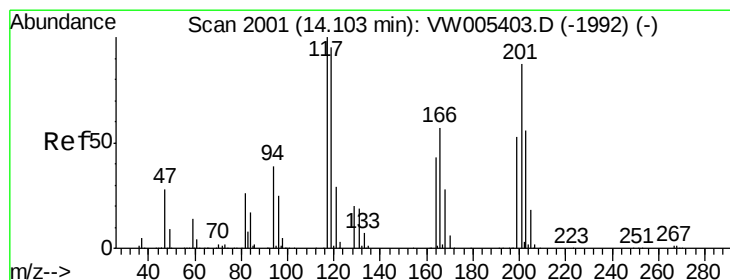
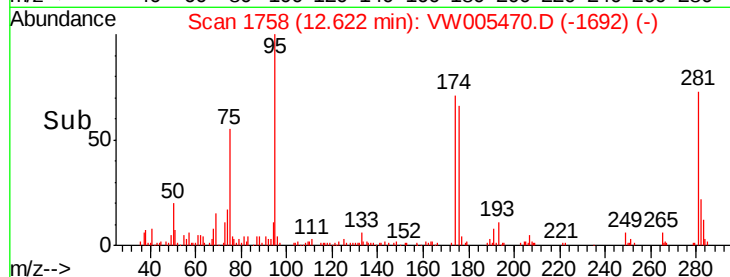
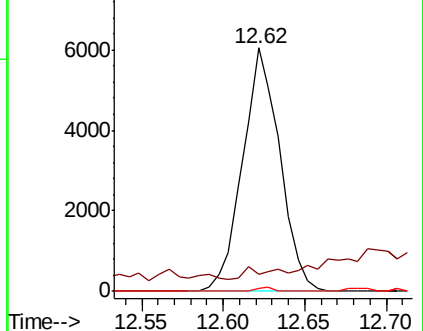
89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#90

Hexachloroethane

Concen: 1.234 ug/l

RT: 14.04 min Scan# 1991

Delta R.T. -0.06 min

Lab File: VW005470.D

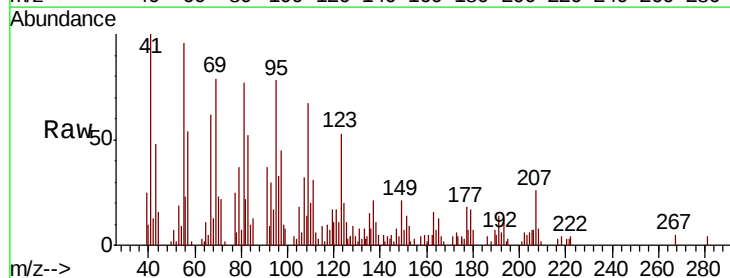
Acq: 18 Sep 2018 09:15

Tgt Ion: 117 Resp: 212

Ion Ratio Lower Upper

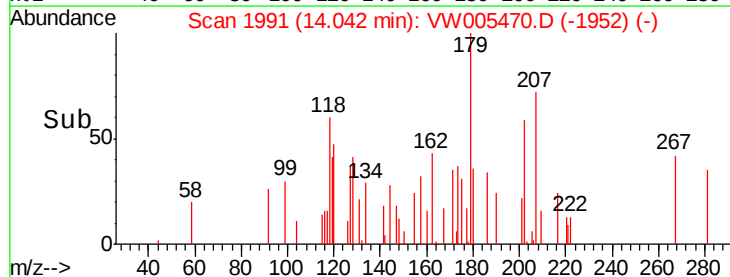
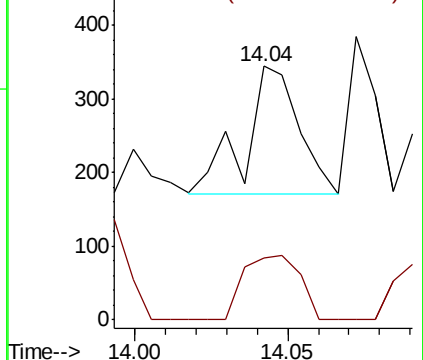
117 100

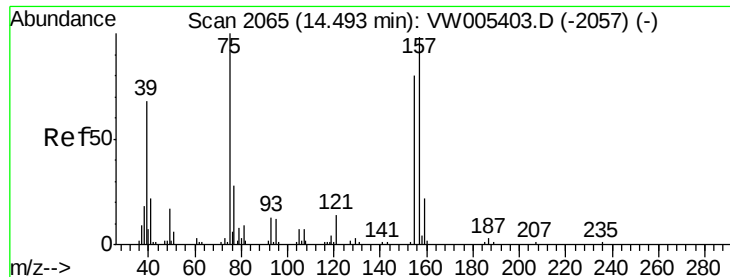
201 52.4 42.5 127.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.599 ug/l

RT: 14.52 min Scan# 2070

Delta R.T. 0.03 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

Instrument :

MSVOA_W

ClientSampled :

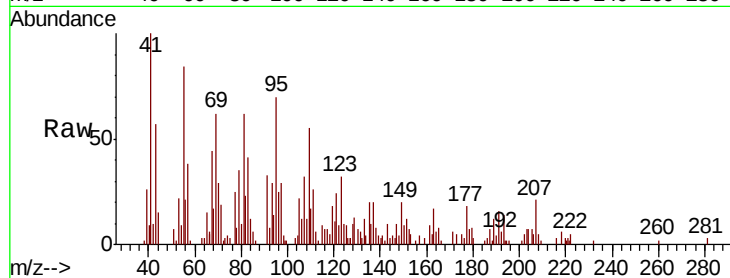
Tot Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

155 56.4 39.0 117.0

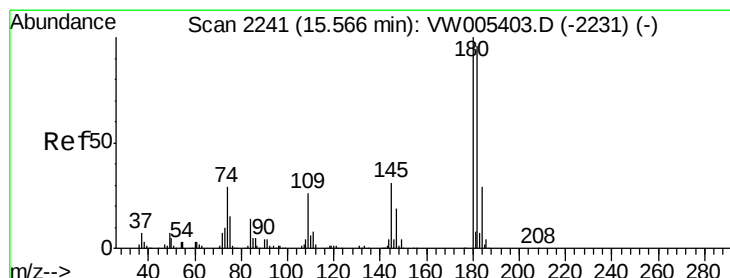
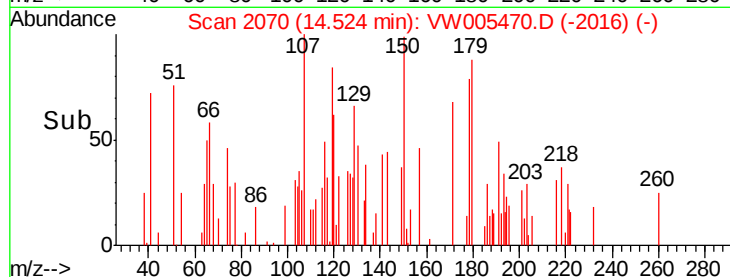
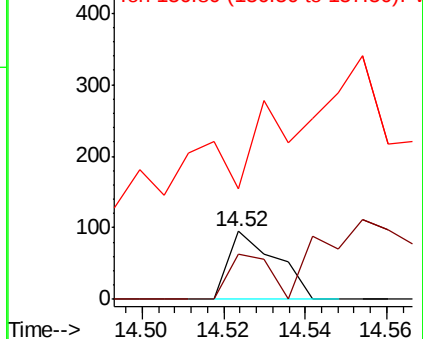
157 0.0 49.9 149.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#96

1,2,3-Trichlorobenzene

Concen: 1.064 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005470.D

Acq: 18 Sep 2018 09:15

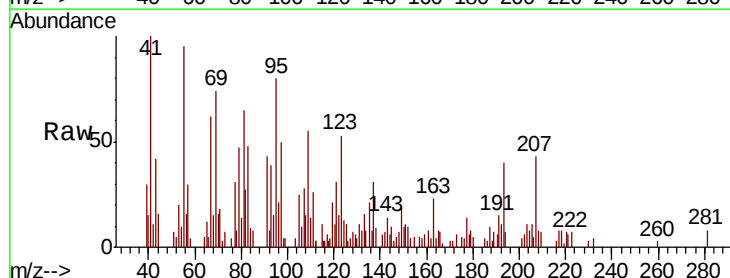
Tgt Ion: 180 Resp: 278

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 38.1 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

