

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005454.D
 Acq On : 18 Sep 2018 02:29
 Operator : SY/AP
 Sample : J4952-02
 Misc : 5.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 161-20

Quant Time: Sep 18 06:04:02 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

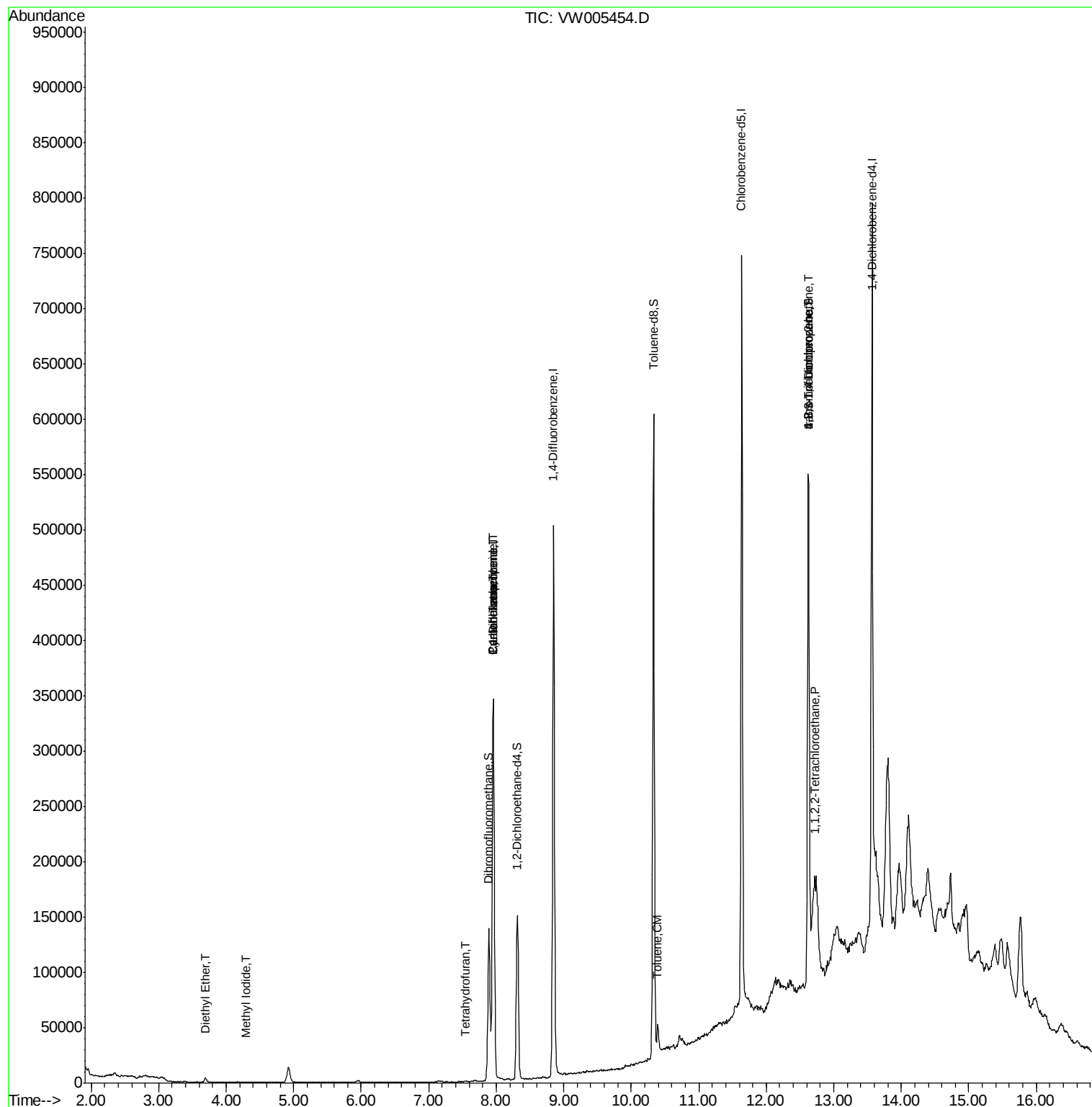
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	254875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	407435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	372752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	167992	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120131	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	7.89	113	96711	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	
50) Toluene-d8	10.33	98	388203	37.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.22%	
62) 4-Bromofluorobenzene	12.62	95	149771	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	271	Below Cal		77
5) Bromomethane	2.78	94	346	Below Cal	#	52
8) Diethyl Ether	3.70	74	1902	1.714	ug/l	96
10) Methyl Iodide	4.28	142	437	4.196	ug/l #	60
11) Tert butyl alcohol	5.21	59	25	Below Cal	#	71
13) Acrolein	4.17	56	20	Below Cal	#	12
16) Acetone	4.16	43	983	Below Cal		90
20) Methylene Chloride	4.92	84	10076	Below Cal		88
29) Tetrahydrofuran	7.55	42	462	1.140	ug/l #	68
31) Cyclohexane	7.95	56	5777	1.368	ug/l #	16
36) 1,1-Dichloropropene	7.96	75	19838	5.145	ug/l #	54
38) Carbon Tetrachloride	7.96	117	24898	6.197	ug/l #	16
52) Toluene	10.39	92	9794	1.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	40733	23.691	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	76136	55.103	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76136	142.941	ug/l #	9

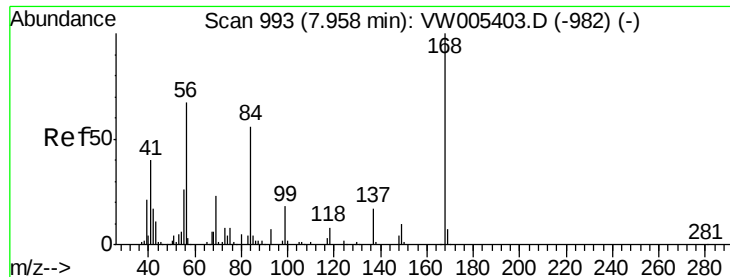
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
Data File : VW005454.D
Acq On : 18 Sep 2018 02:29
Operator : SY/AP
Sample : J4952-02
Misc : 5.17G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
161-20

Quant Time: Sep 18 06:04:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005454.D

Acq: 18 Sep 2018 02:29

Instrument :

MSVOA_W

ClientSampleId :

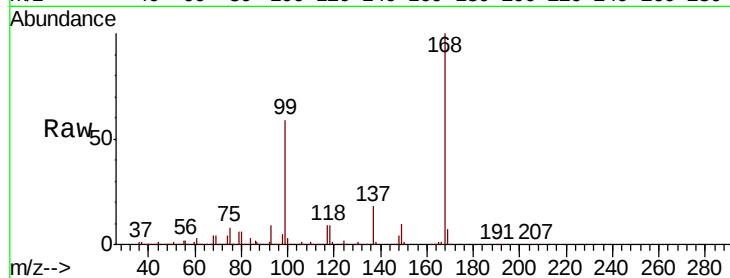
161-20

Tgt Ion:168 Resp: 254875

Ion Ratio Lower Upper

168 100

99 59.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

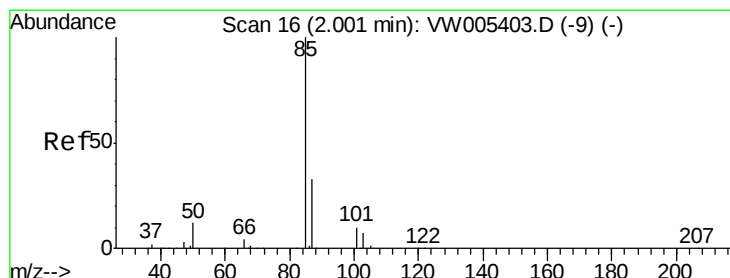
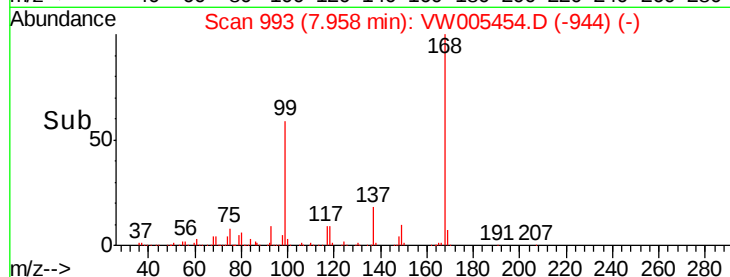
7.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005454.D

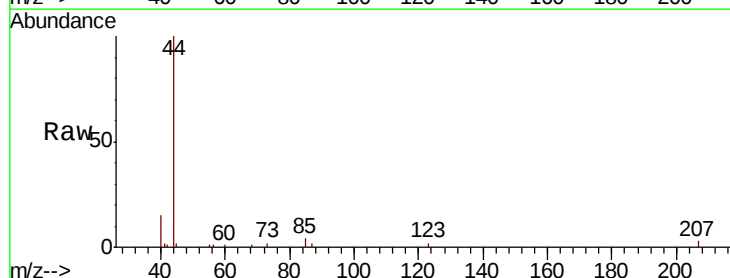
Acq: 18 Sep 2018 02:29

Tgt Ion: 85 Resp: 271

Ion Ratio Lower Upper

85 100

87 45.9 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

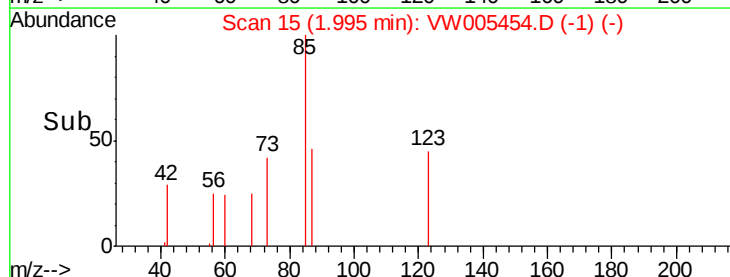
150

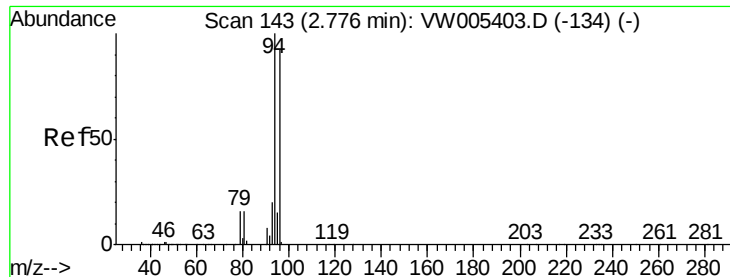
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005454.D

Acq: 18 Sep 2018 02:29

Instrument :

MSVOA_W

ClientSampleId :

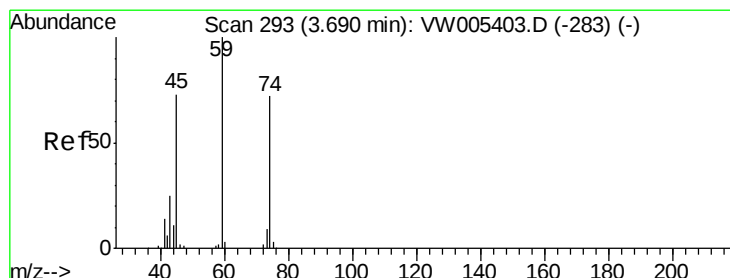
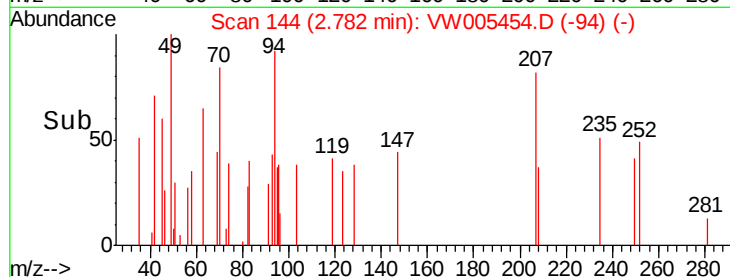
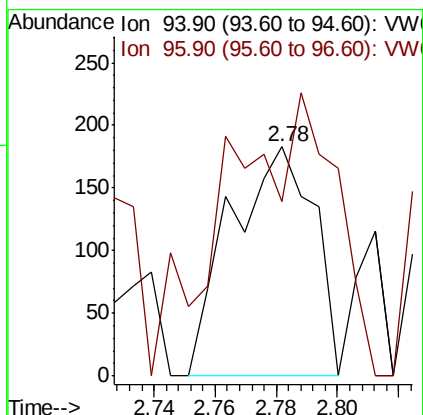
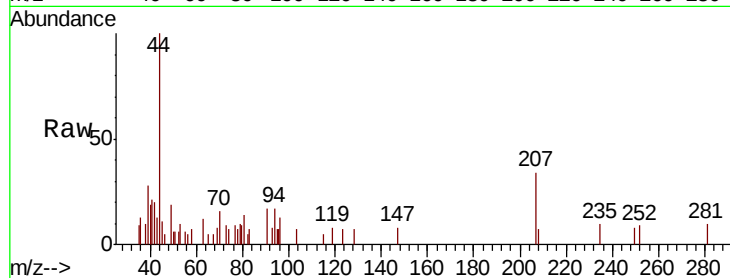
161-20

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 45.9 73.7 110.5#



#8

Diethyl Ether

Concen: 1.714 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005454.D

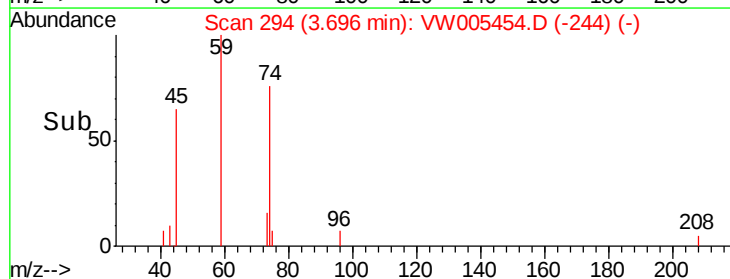
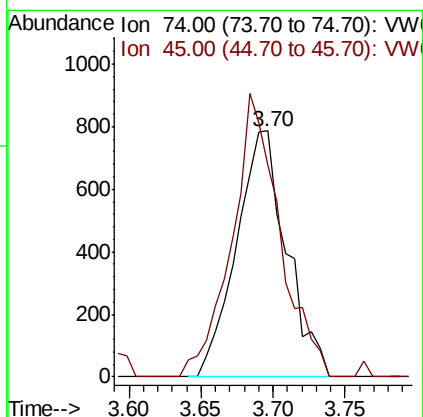
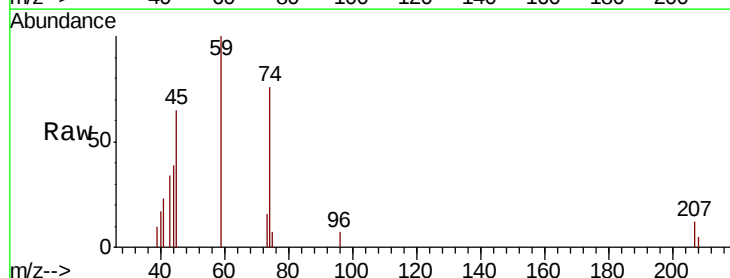
Acq: 18 Sep 2018 02:29

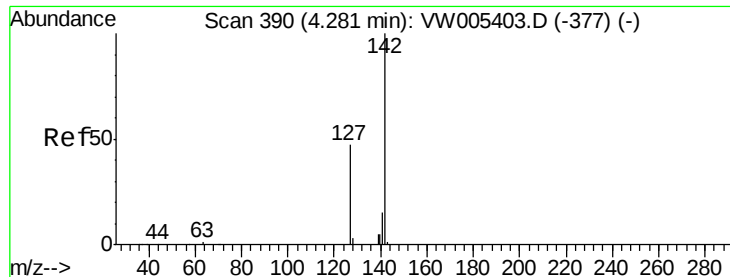
Tgt Ion: 74 Resp: 1902

Ion Ratio Lower Upper

74 100

45 109.9 53.1 159.3

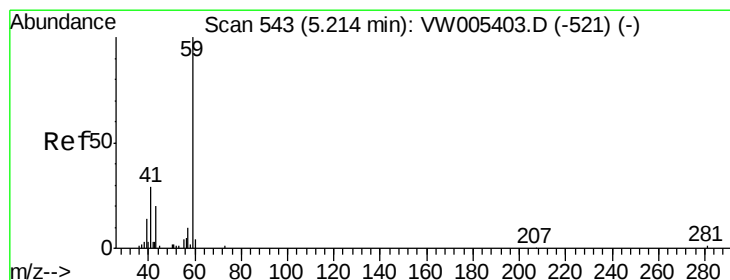
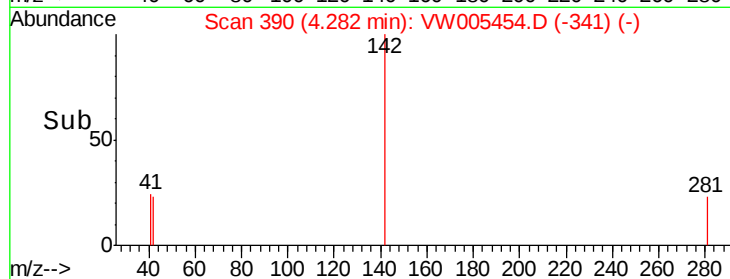
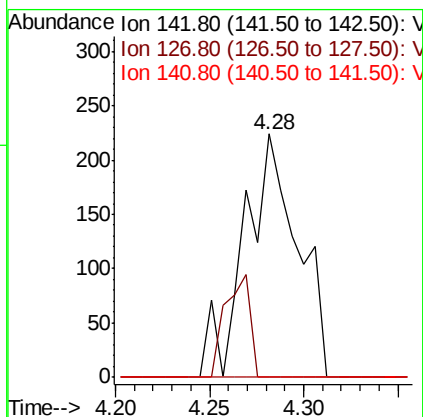
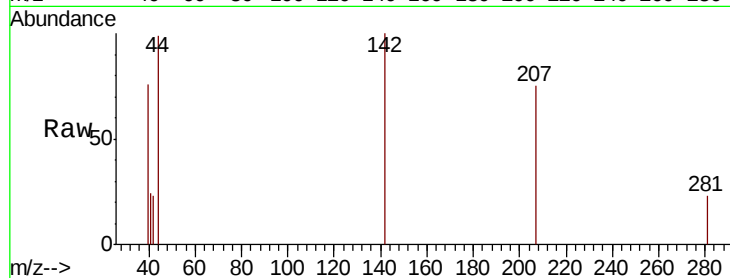




#10
Methyl Iodide
Concen: 4.196 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.00 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

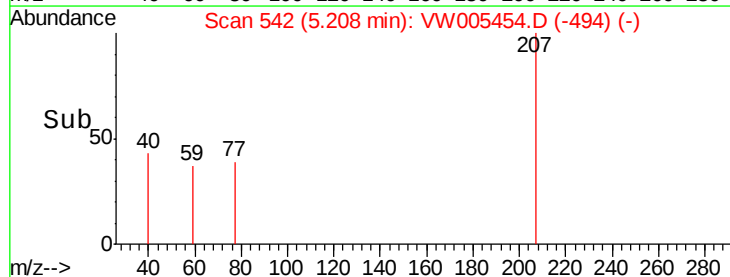
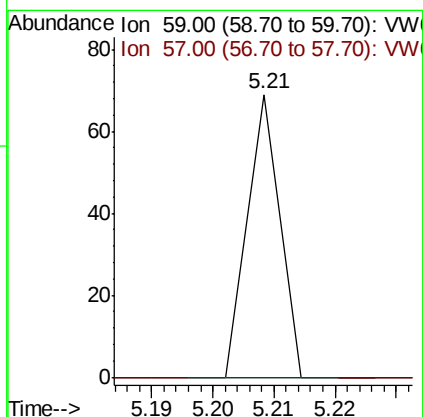
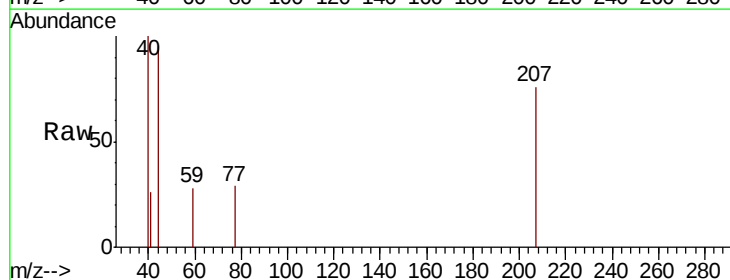
Instrument :
MSVOA_W
ClientSampleId :
161-20

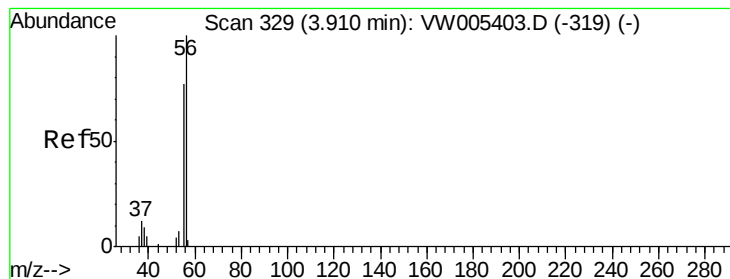
Tgt Ion: 142 Resp: 437
Ion Ratio Lower Upper
142 100
127 19.9 37.5 56.3#
141 0.0 12.4 18.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 542
Delta R.T. -0.01 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

Tgt Ion: 59 Resp: 25
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#13

Acrolein

Concen: Below Cal

RT: 4.17 min Scan# 371

Delta R.T. 0.26 min

Lab File: VW005454.D

Acq: 18 Sep 2018 02:29

Instrument :

MSVOA_W

ClientSampleId :

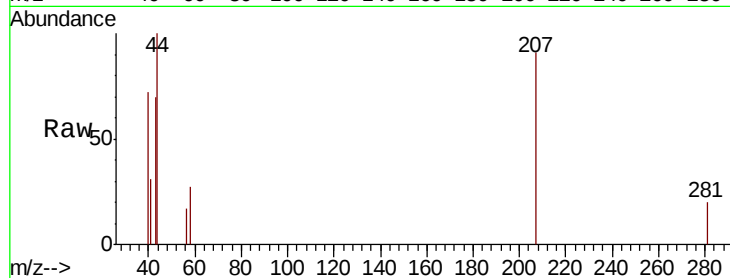
161-20

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

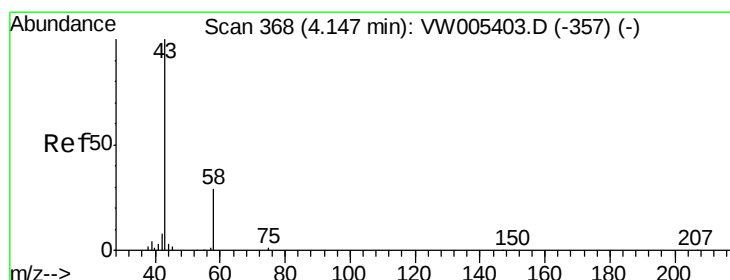
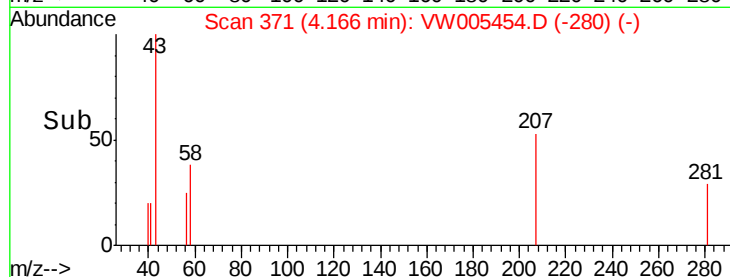
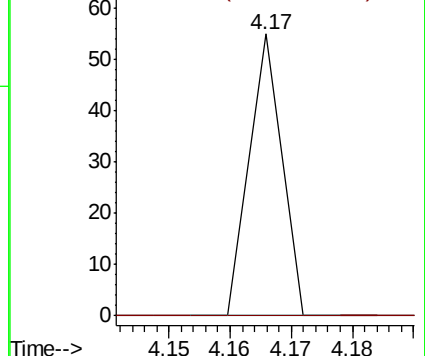
56 100

55 0.0 59.8 89.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.16 min Scan# 370

Delta R.T. 0.01 min

Lab File: VW005454.D

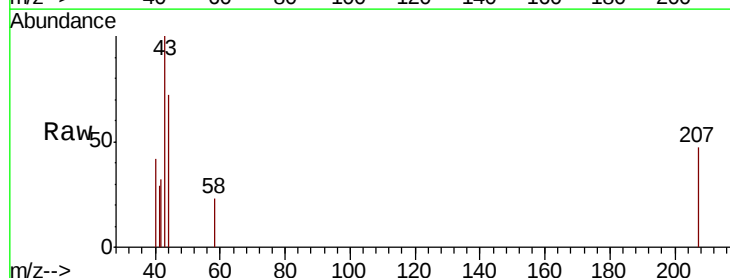
Acq: 18 Sep 2018 02:29

Tgt Ion: 43 Resp: 983

Ion Ratio Lower Upper

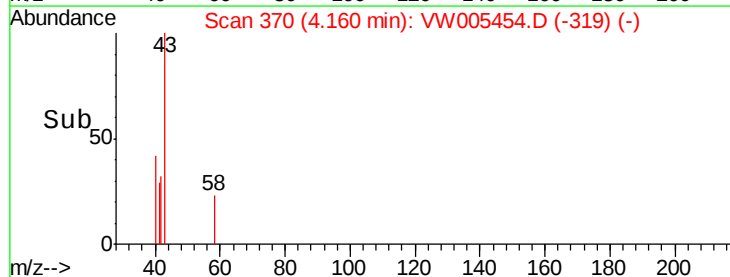
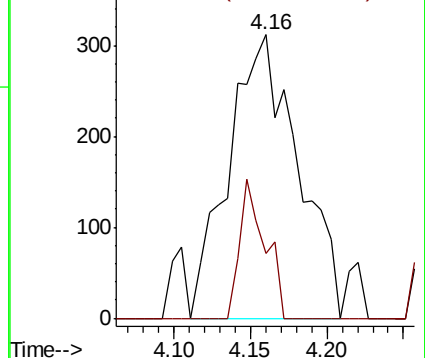
43 100

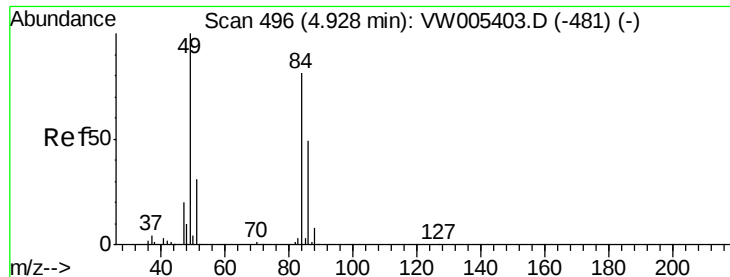
58 23.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

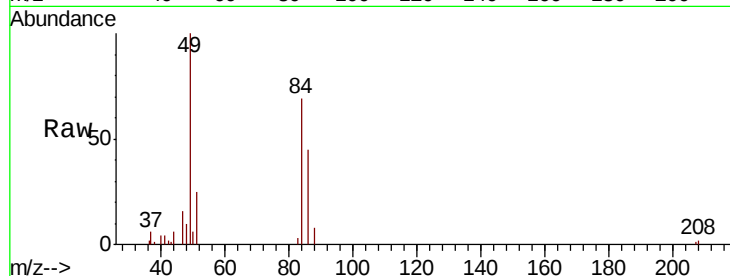




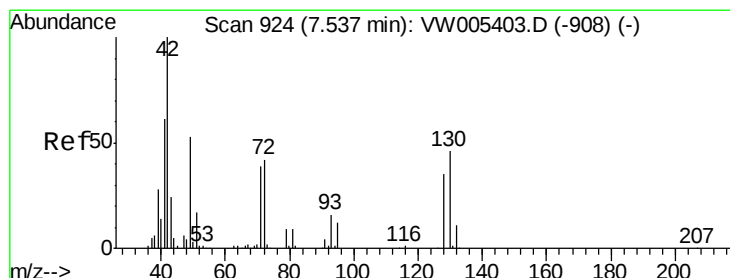
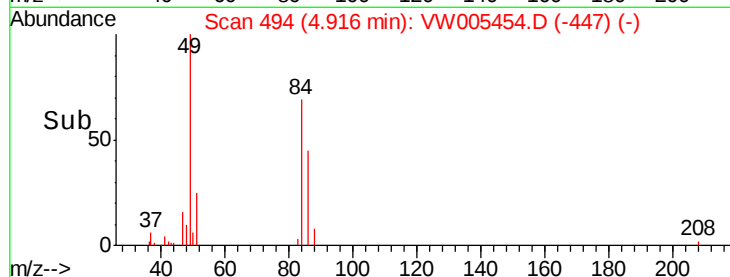
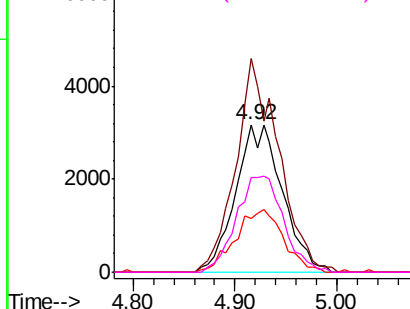
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

Instrument :
MSVOA_W
ClientSampled :
161-20

Tgt Ion: 84 Resp: 10076
Ion Ratio Lower Upper
84 100
49 144.9 99.3 148.9
51 36.2 31.1 46.7
86 64.6 49.1 73.7

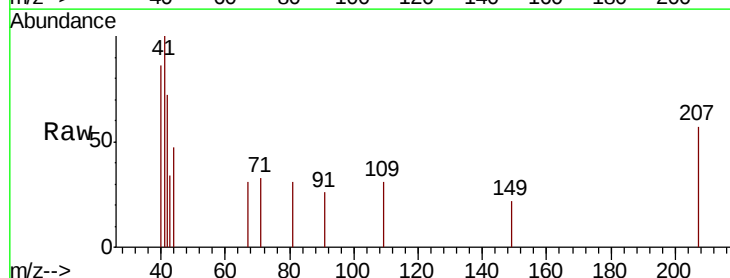


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

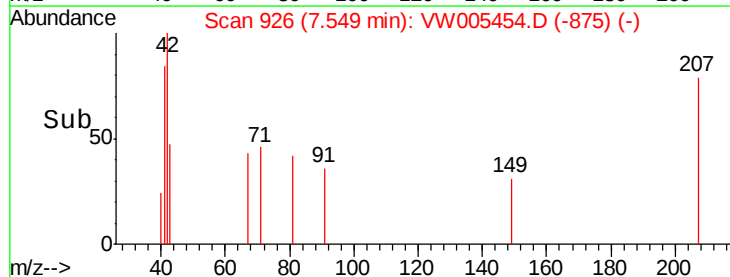
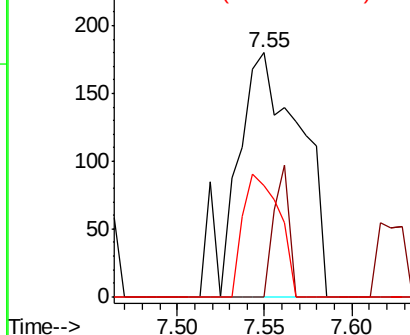


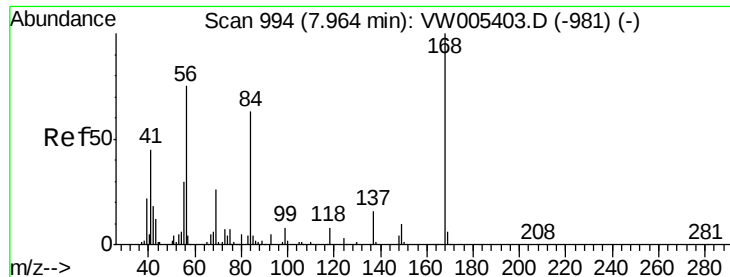
#29
Tetrahydrofuran
Concen: 1.140 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

Tgt Ion: 42 Resp: 462
Ion Ratio Lower Upper
42 100
72 12.8 33.2 49.8#
71 28.4 31.0 46.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

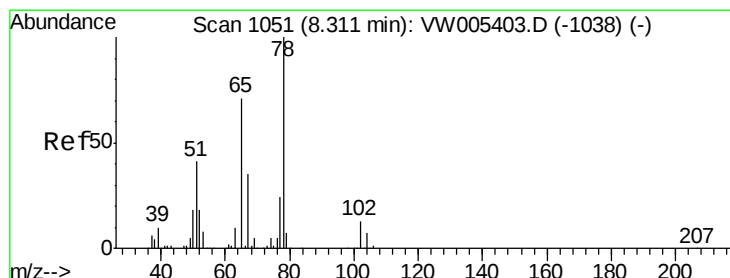
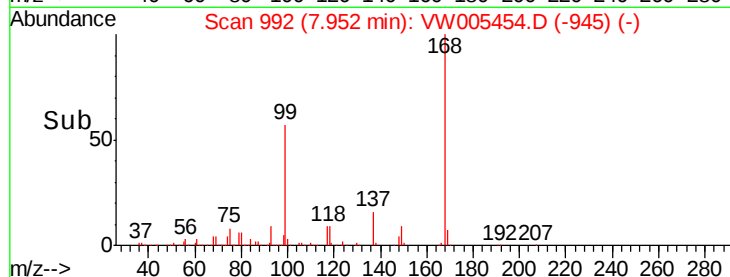
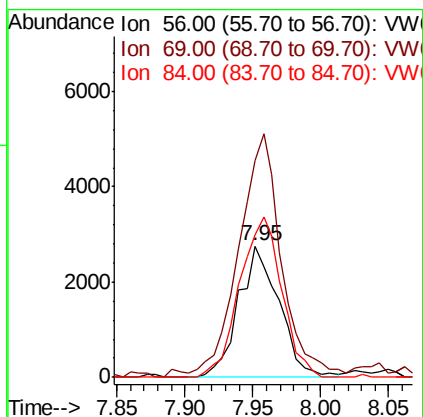
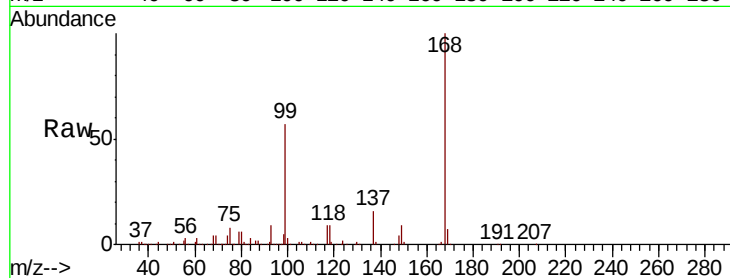




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

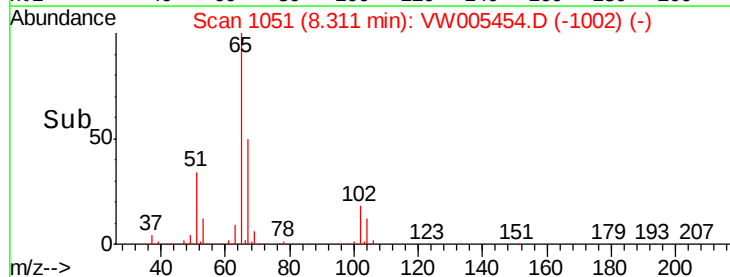
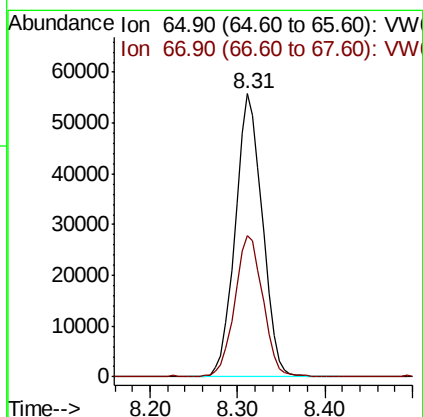
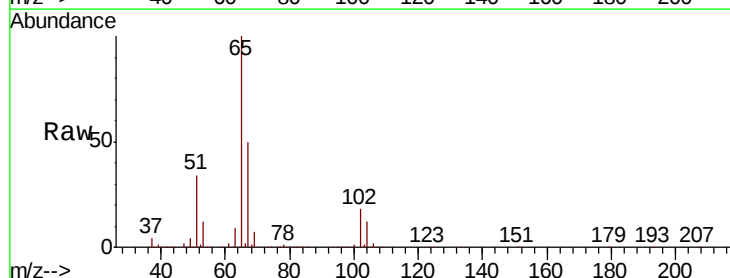
Instrument :
MSVOA_W
ClientSampleId :
161-20

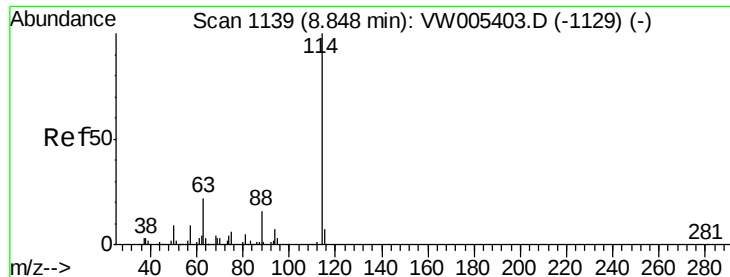
Tgt Ion: 56 Resp: 5777
Ion Ratio Lower Upper
56 100
69 160.9 27.2 40.8#
84 108.0 66.7 100.1#



#33
1,2-Dichloroethane-d4
Concen: 45.408 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

Tgt Ion: 65 Resp: 120131
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.6

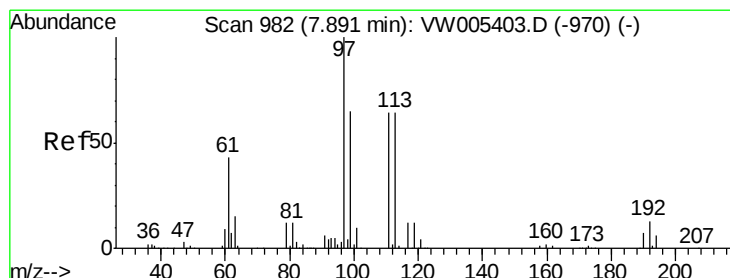
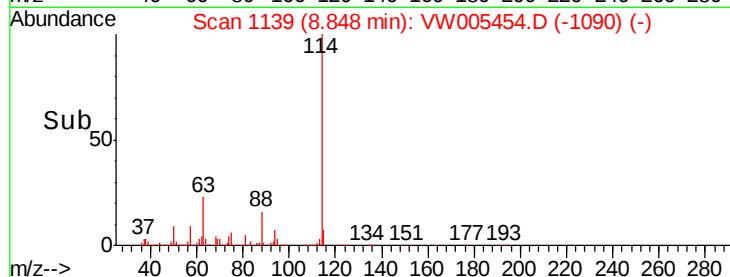
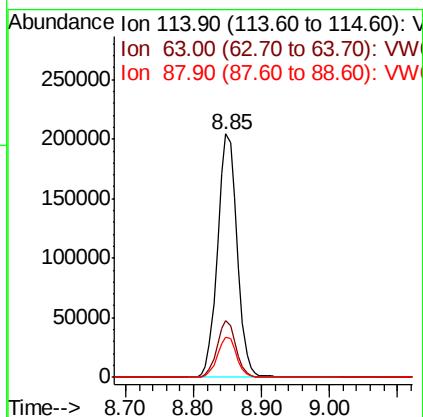
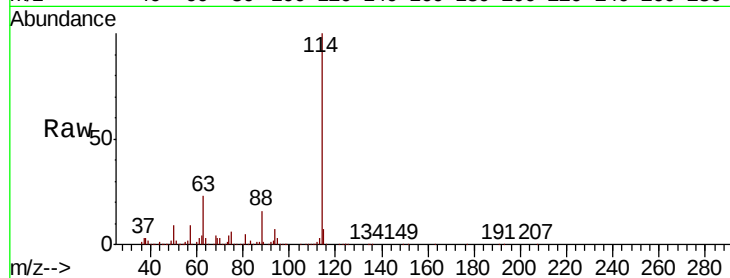




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

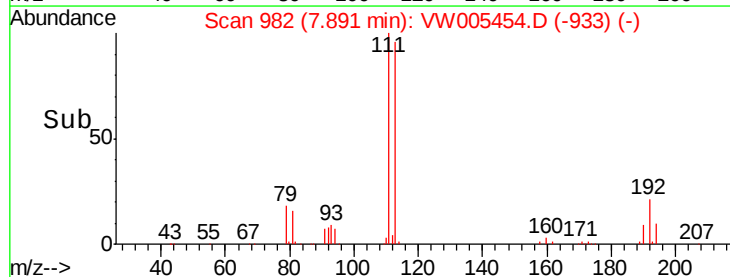
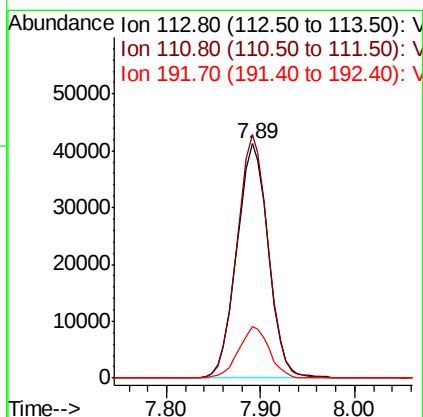
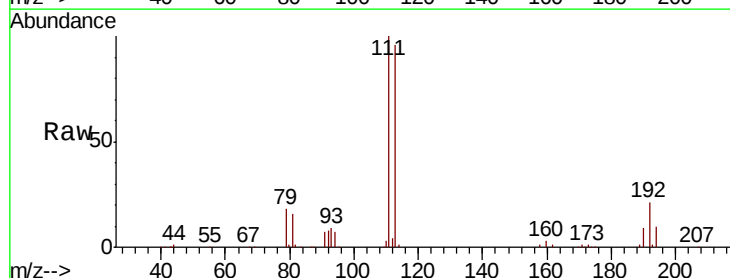
Instrument :
MSVOA_W
ClientSampleId :
161-20

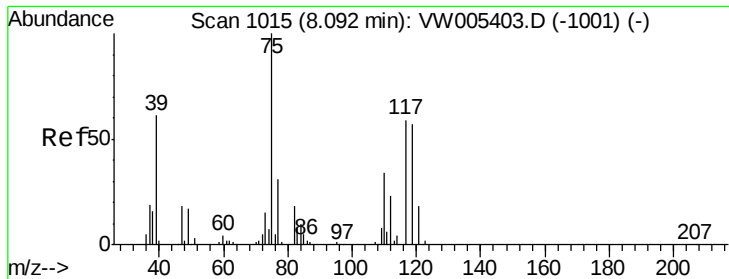
Tgt Ion:114 Resp: 407435
Ion Ratio Lower Upper
114 100
63 23.2 0.0 43.4
88 16.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 42.335 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW005454.D
Acq: 18 Sep 2018 02:29

Tgt Ion:113 Resp: 96711
Ion Ratio Lower Upper
113 100
111 102.5 82.3 123.5
192 21.3 16.5 24.7

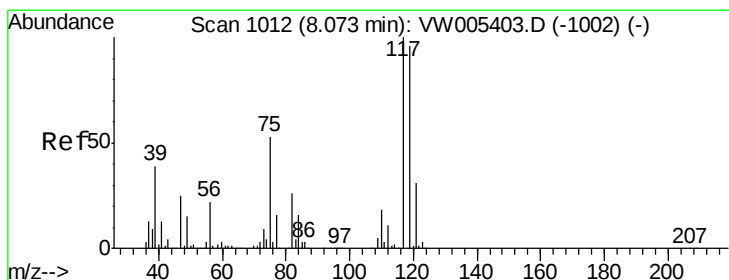
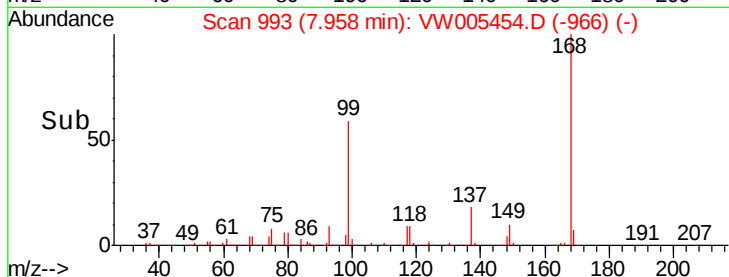
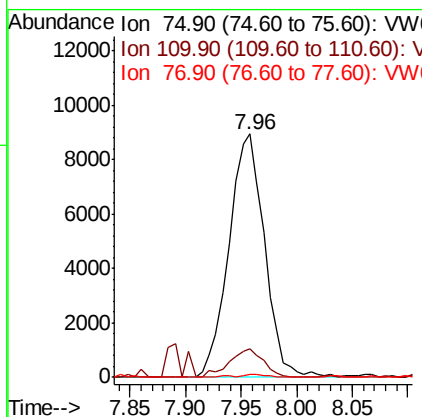
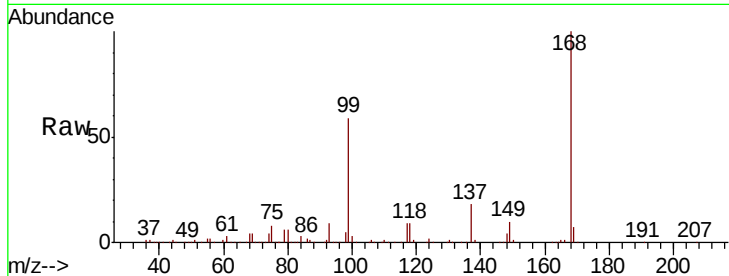




#36
 1,1-Dichloropropene
 Concen: 5.145 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005454.D
 Acq: 18 Sep 2018 02:29

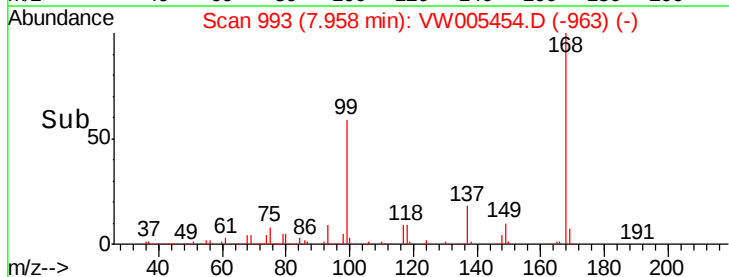
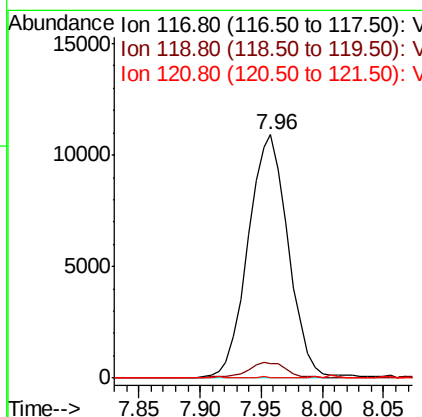
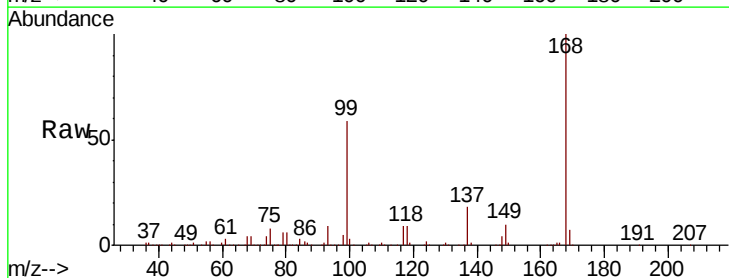
Instrument :
 MSVOA_W
 ClientSampleId :
 161-20

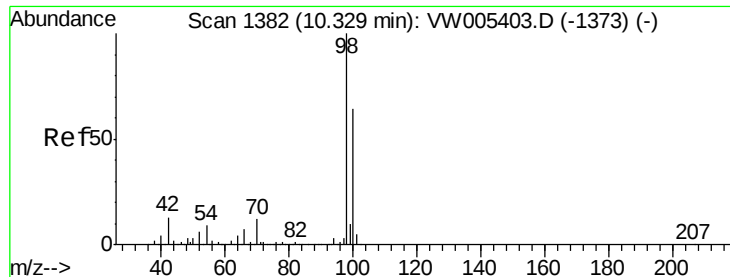
Tgt Ion: 75 Resp: 19838
 Ion Ratio Lower Upper
 75 100
 110 11.3 16.8 50.4#
 77 0.8 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.197 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005454.D
 Acq: 18 Sep 2018 02:29

Tgt Ion: 117 Resp: 24898
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.8 115.2#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 37.107 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005454.D

Acq: 18 Sep 2018 02:29

Instrument :

MSVOA_W

ClientSampleId :

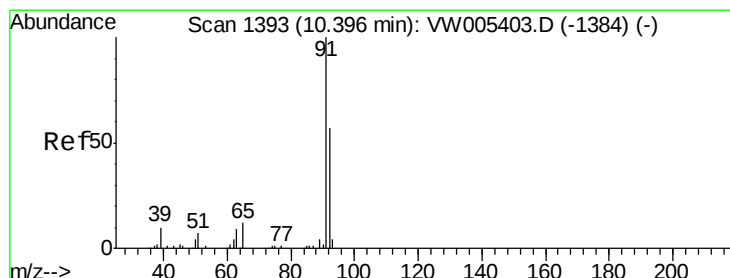
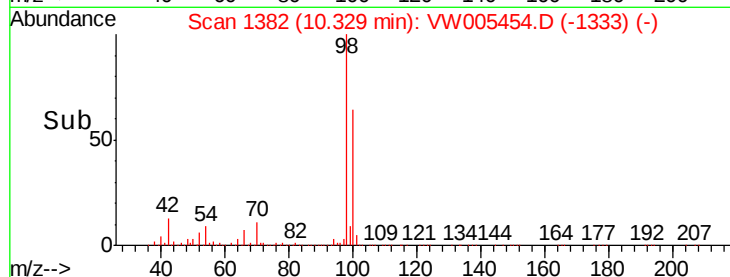
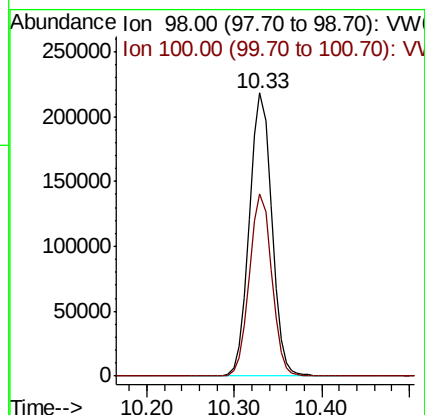
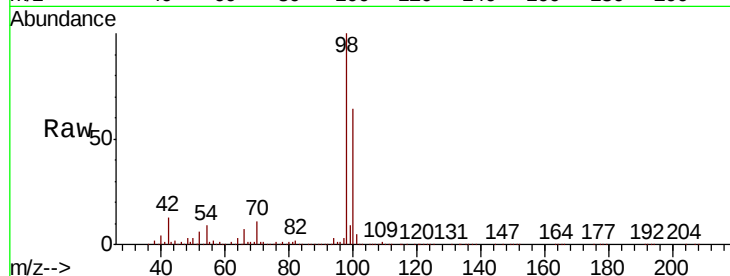
161-20

Tgt Ion: 98 Resp: 388203

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



#52

Toluene

Concen: 1.295 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005454.D

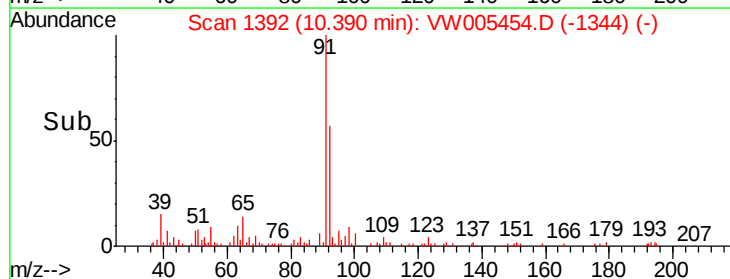
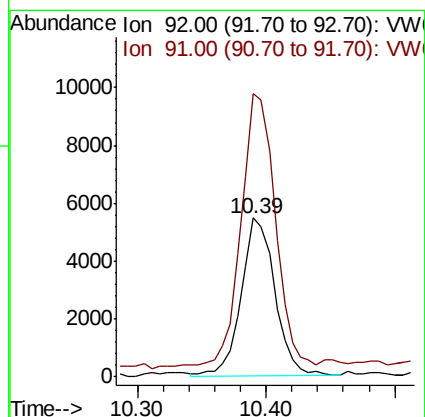
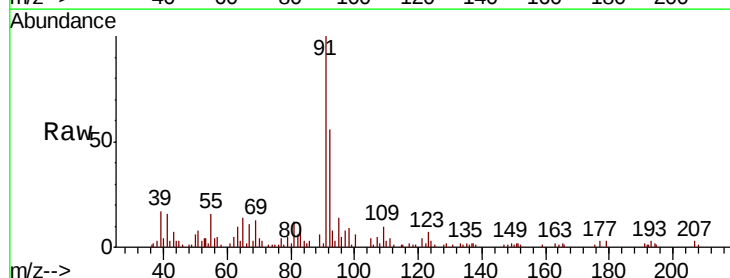
Acq: 18 Sep 2018 02:29

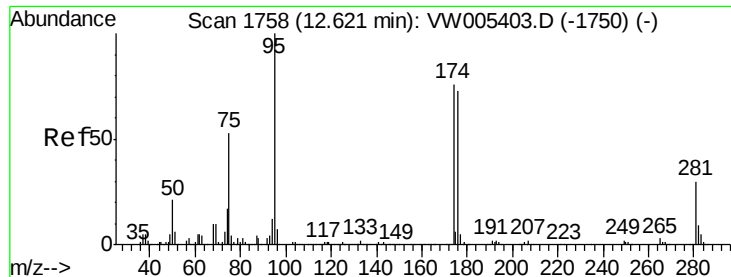
Tgt Ion: 92 Resp: 9794

Ion Ratio Lower Upper

92 100

91 175.9 139.1 208.7





#62

4-Bromofluorobenzene

Concen: 39.044 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005454.D

Acq: 18 Sep 2018 02:29

Instrument :

MSVOA_W

ClientSampleId :

161-20

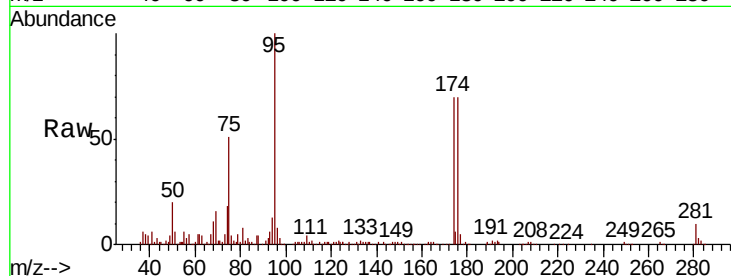
Tgt Ion: 95 Resp: 149771

Ion Ratio Lower Upper

95 100

174 77.0 0.0 161.2

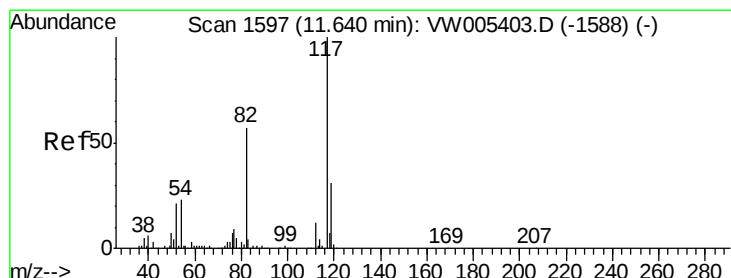
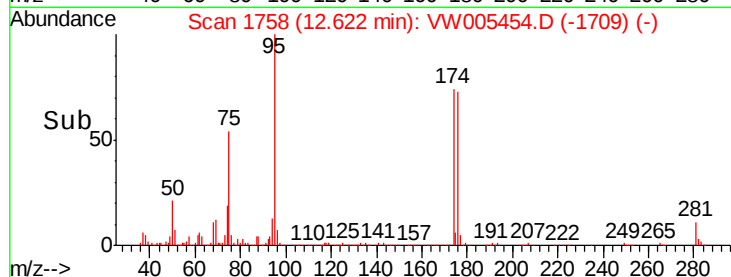
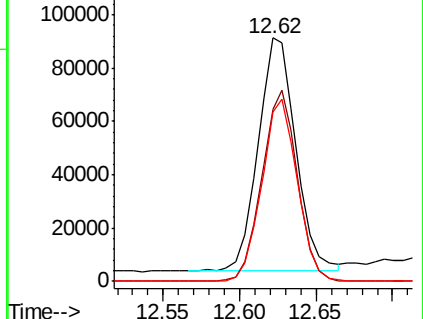
176 73.5 0.0 156.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005454.D

Acq: 18 Sep 2018 02:29

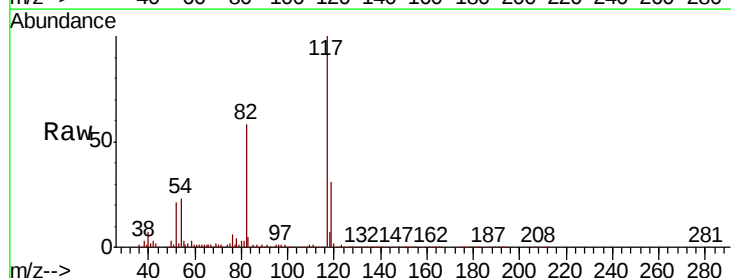
Tgt Ion: 117 Resp: 372752

Ion Ratio Lower Upper

117 100

82 57.2 45.9 68.9

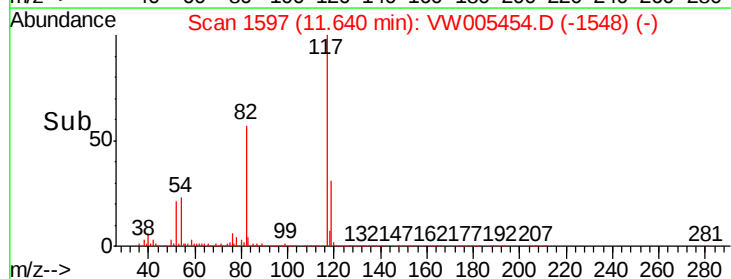
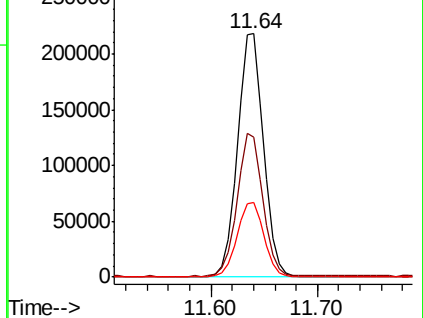
119 30.6 24.8 37.2

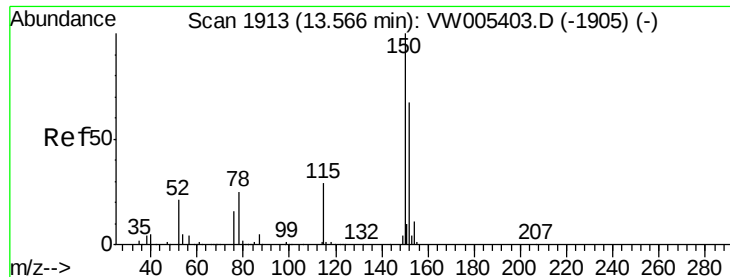


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

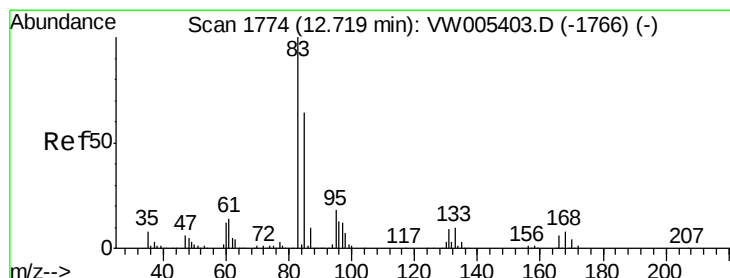
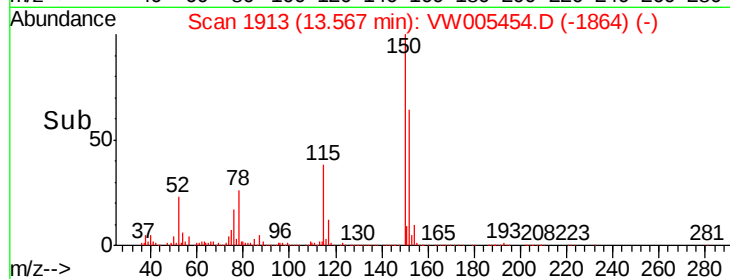
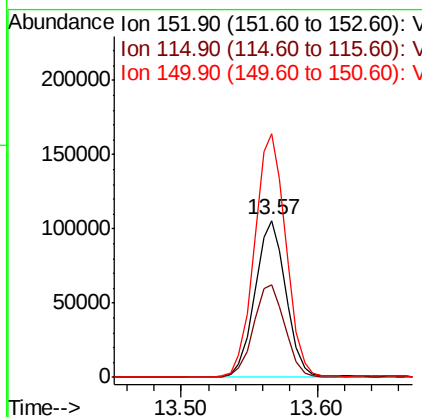
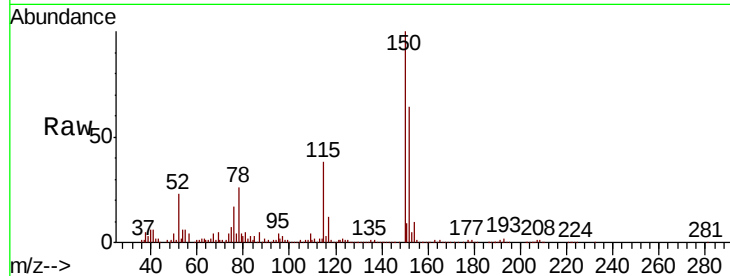




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW005454.D
 Acq: 18 Sep 2018 02:29

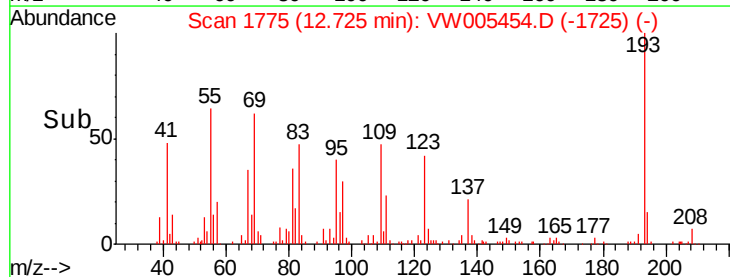
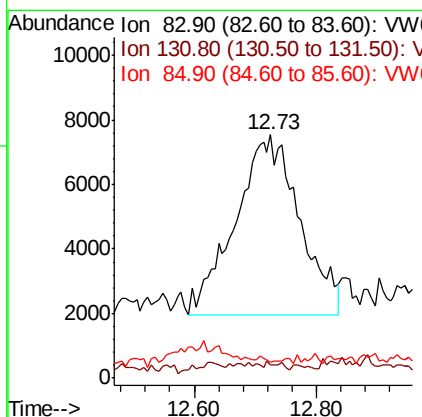
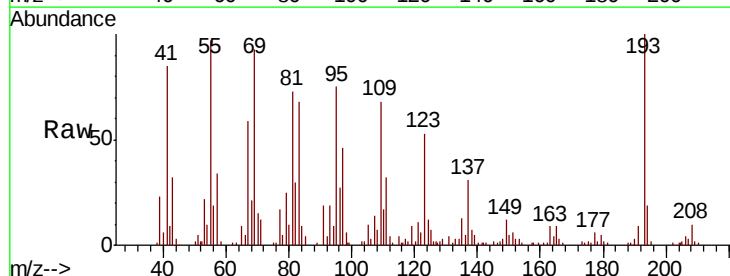
Instrument :
 MSVOA_W
 ClientSampled :
 161-20

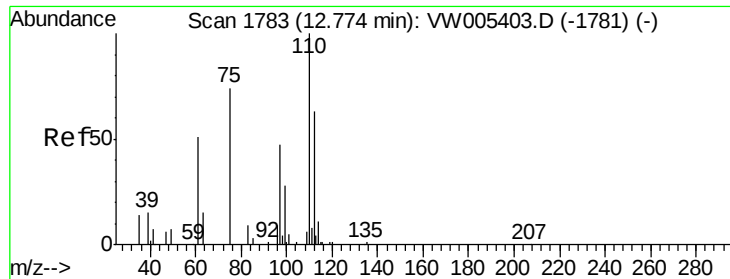
Tgt Ion: 152 Resp: 167992
 Ion Ratio Lower Upper
 152 100
 115 59.2 29.5 88.5
 150 156.8 0.0 345.6



#75
 1,1,2,2-Tetrachloroethane
 Concen: 23.691 ug/l
 RT: 12.73 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: VW005454.D
 Acq: 18 Sep 2018 02:29

Tgt Ion: 83 Resp: 40733
 Ion Ratio Lower Upper
 83 100
 131 0.3 5.7 17.1#
 85 0.4 31.6 95.0#

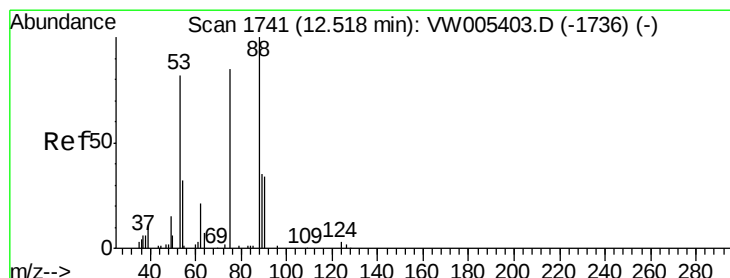
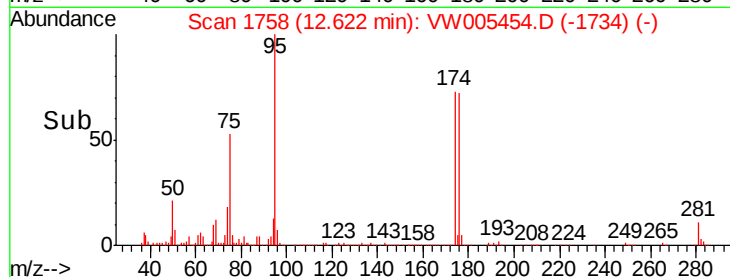
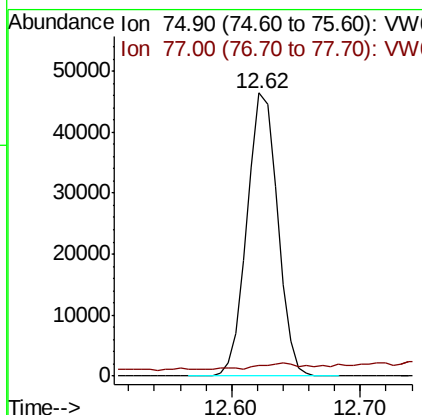
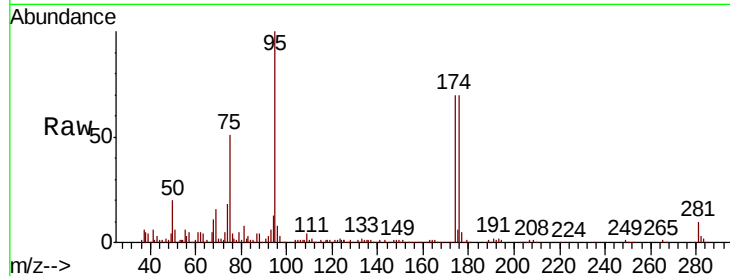




#76
 1,2,3-Trichloropropane
 Concen: 55.103 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005454.D
 Acq: 18 Sep 2018 02:29

Instrument :
 MSVOA_W
 ClientSampled :
 161-20

Tgt Ion: 75 Resp: 76136
 Ion Ratio Lower Upper
 75 100
 77 2.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.941 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005454.D
 Acq: 18 Sep 2018 02:29

Tgt Ion: 75 Resp: 76136
 Ion Ratio Lower Upper
 75 100
 53 0.5 83.2 124.8#
 89 0.2 36.6 54.8#

