

Data File : VW008779.D
Acq On : 21 Feb 2019 19:30
Operator : SY/VA
Sample : K1546-04RE
Misc : 6.89G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RT-3422

Quant Time: Feb 22 00:49:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	373109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	561133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	497909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	242723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	200745	57.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.74%	
35) Dibromofluoromethane	7.88	113	177437	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.32	98	667135	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.62	95	230124	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

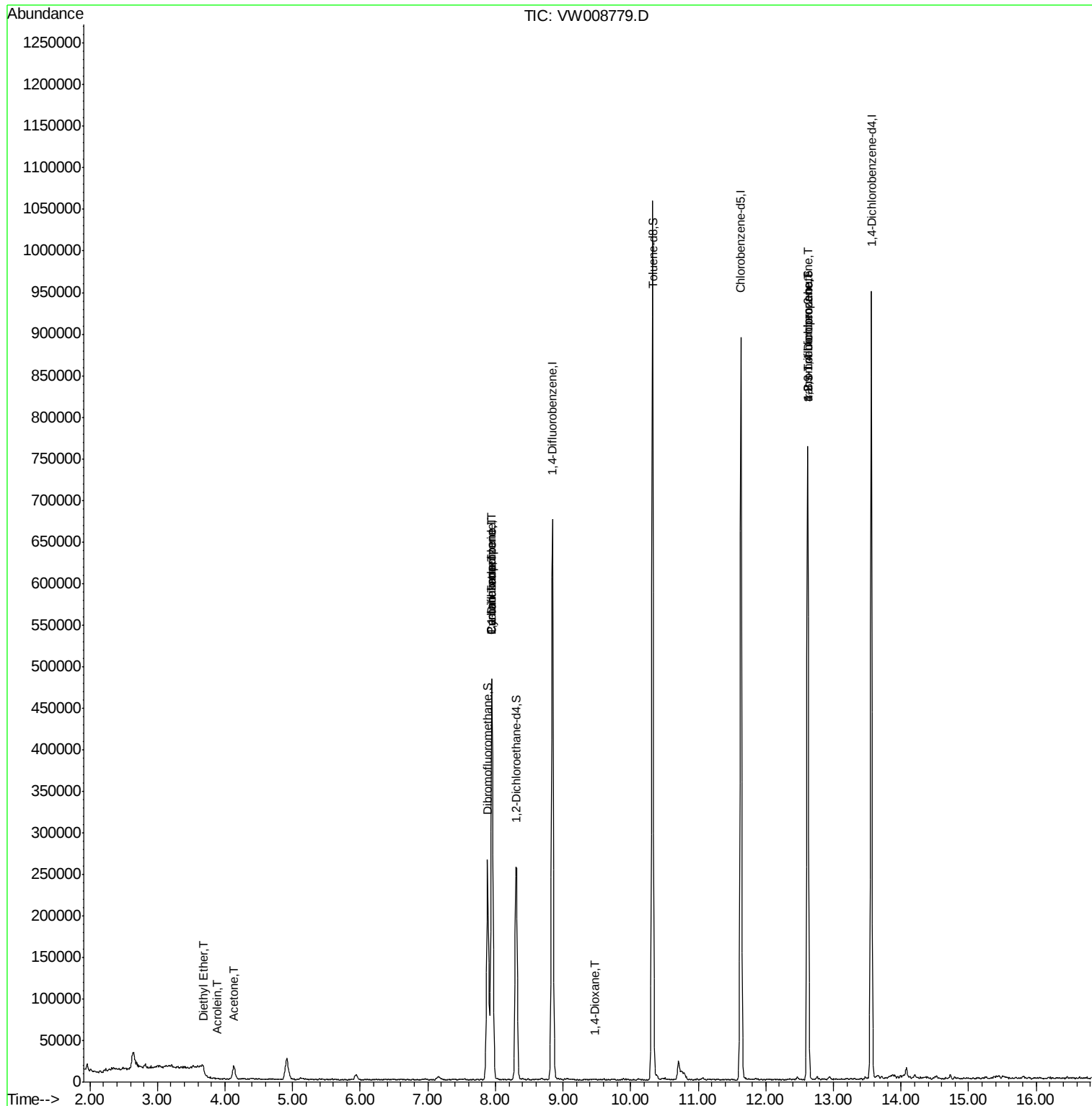
Target Compounds				Qvalue		
8) Diethyl Ether	3.68	74	2030	1.053	ug/l	80
13) Acrolein	3.89	56	288	20.587	ug/l #	38
16) Acetone	4.13	43	28791	35.495	ug/l	96
20) Methylene Chloride	4.92	84	18880	Below Cal		90
31) Cyclohexane	7.95	56	7863	1.192	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	26875	4.920	ug/l #	51
38) Carbon Tetrachloride	7.95	117	35301	6.128	ug/l #	17
49) 1,4-Dioxane	9.48	88	41	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	121294	60.526	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	121294	147.143	ug/l #	6

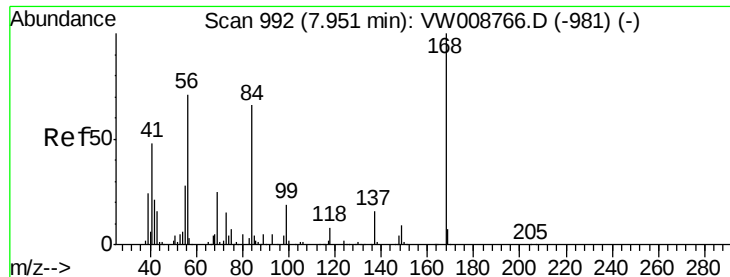
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008779.D

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Instrument :

MSVOA_W

ClientSampleId :

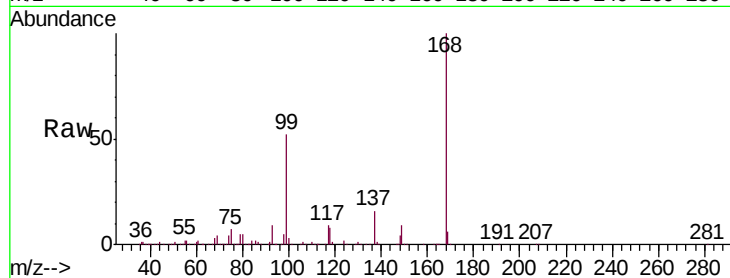
RT-3422

Tgt Ion:168 Resp: 373109

Ion Ratio Lower Upper

168 100

99 51.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

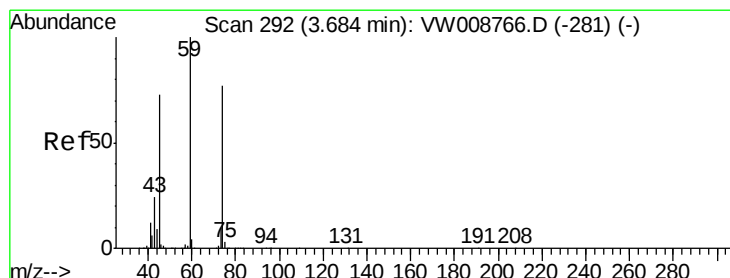
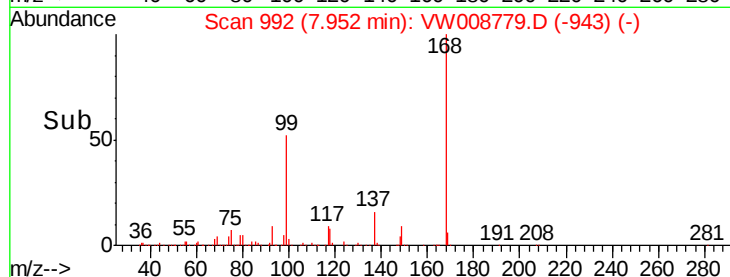
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.053 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008779.D

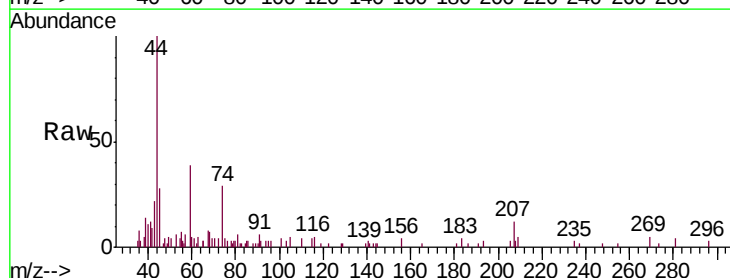
Acq: 21 Feb 2019 19:30

Tgt Ion: 74 Resp: 2030

Ion Ratio Lower Upper

74 100

45 120.0 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

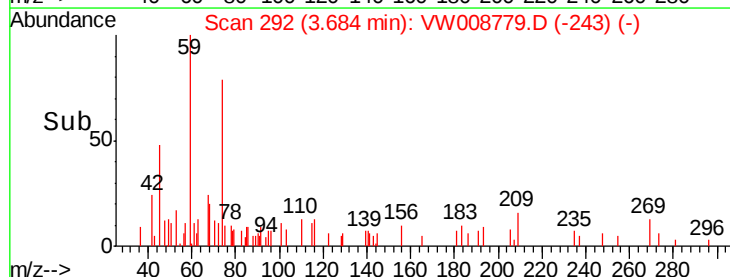
3.68

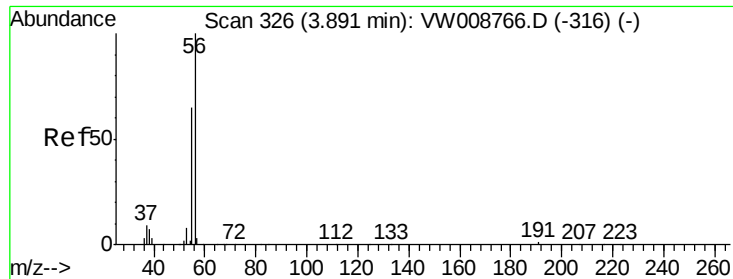
1000

500

0

Time-->





#13

Acrolein

Concen: 20.587 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008779.D

Acq: 21 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampled :

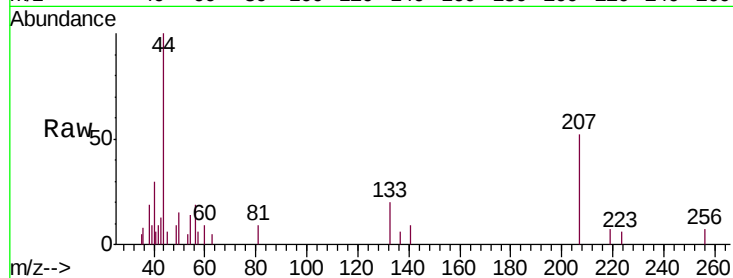
RT-3422

Tgt Ion: 56 Resp: 288

Ion Ratio Lower Upper

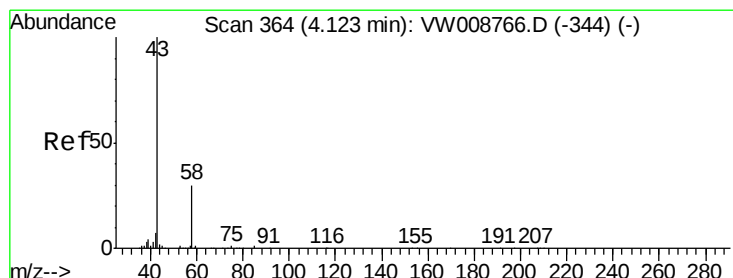
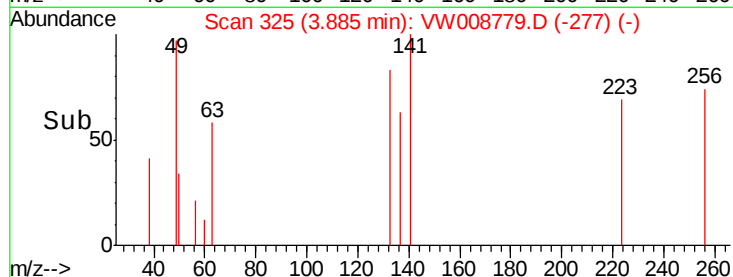
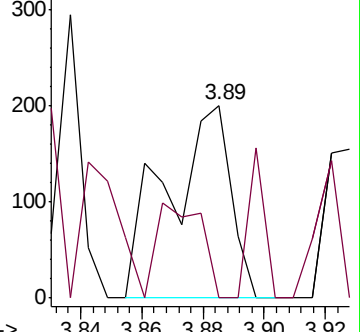
56 100

55 19.8 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 35.495 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008779.D

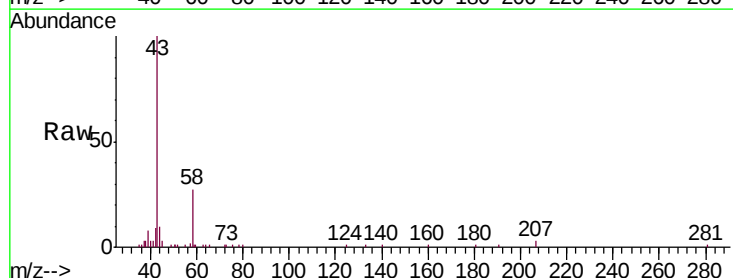
Acq: 21 Feb 2019 19:30

Tgt Ion: 43 Resp: 28791

Ion Ratio Lower Upper

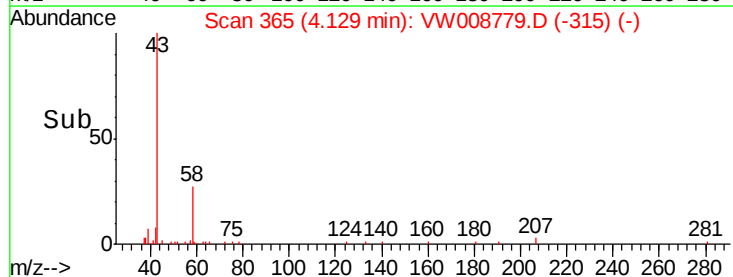
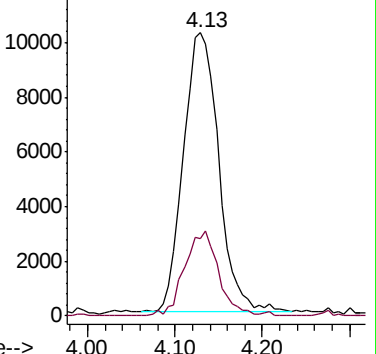
43 100

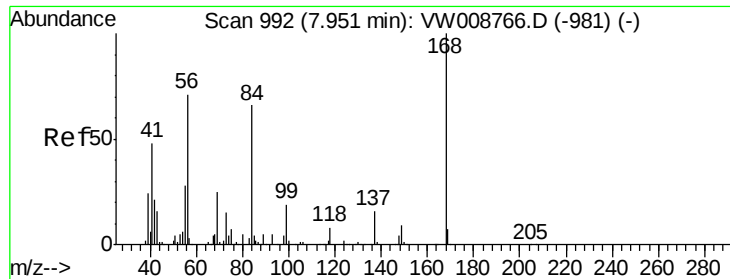
58 27.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

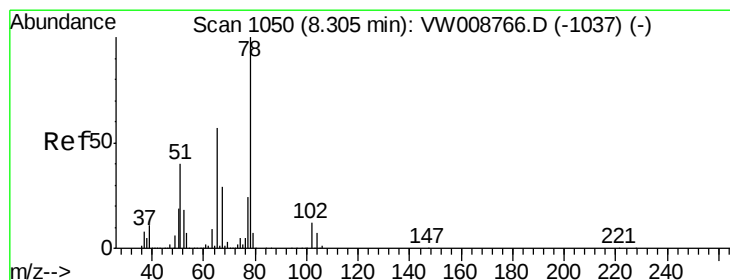
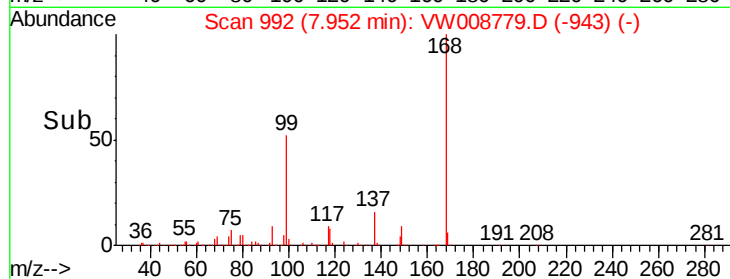
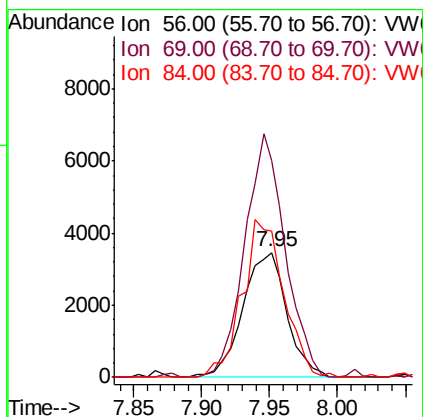
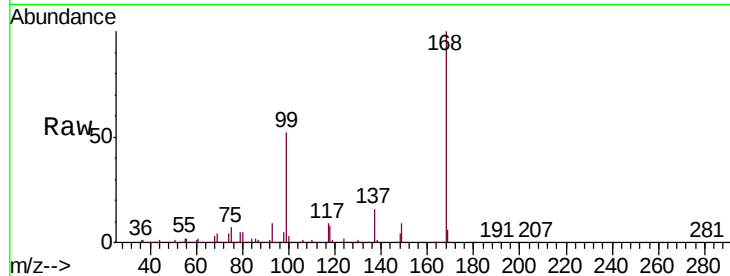




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

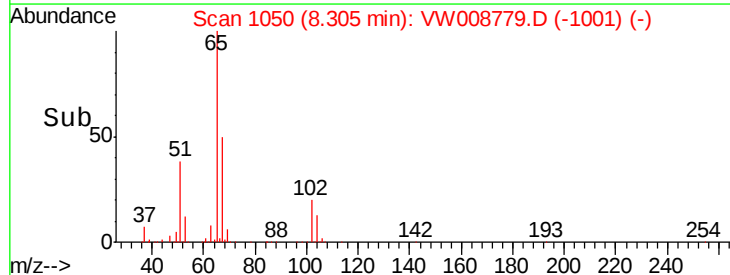
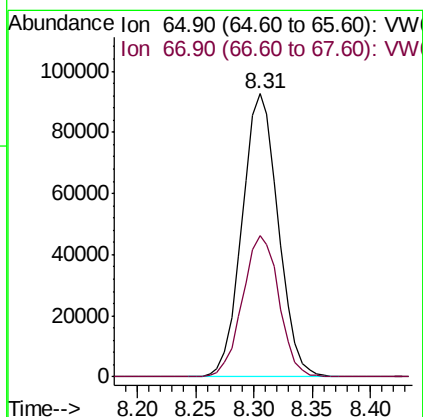
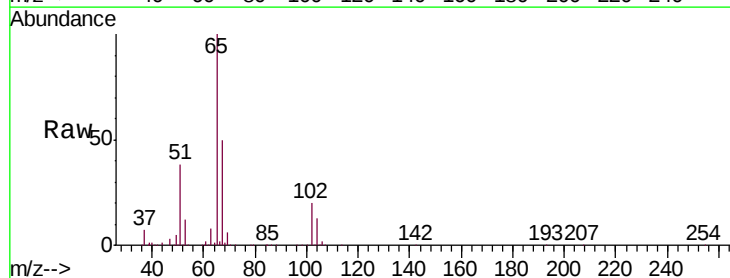
Instrument :
MSVOA_W
ClientSampleId :
RT-3422

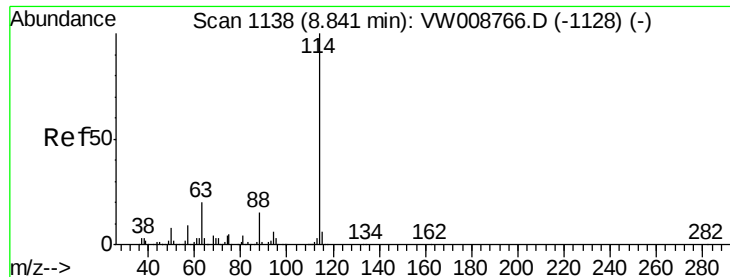
Tgt Ion: 56 Resp: 7863
Ion Ratio Lower Upper
56 100
69 174.0 28.2 42.4#
84 117.1 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 57.365 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

Tgt Ion: 65 Resp: 200745
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.4

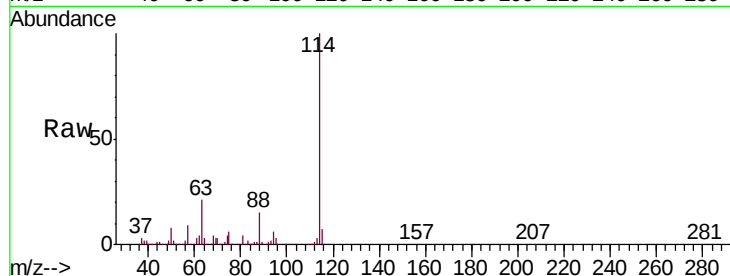




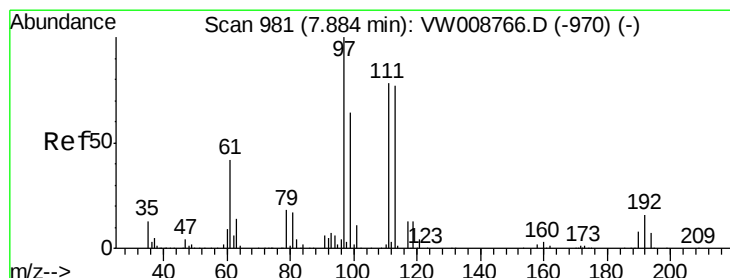
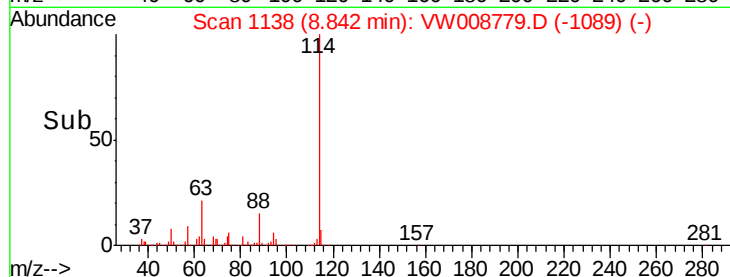
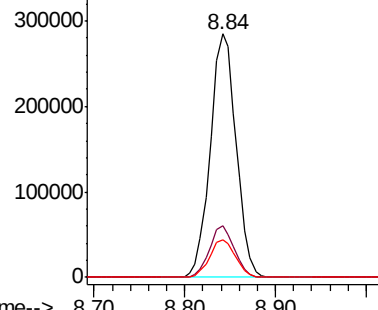
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

Instrument :
MSVOA_W
ClientSampleId :
RT-3422

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.8
88	15.3	0.0	30.4

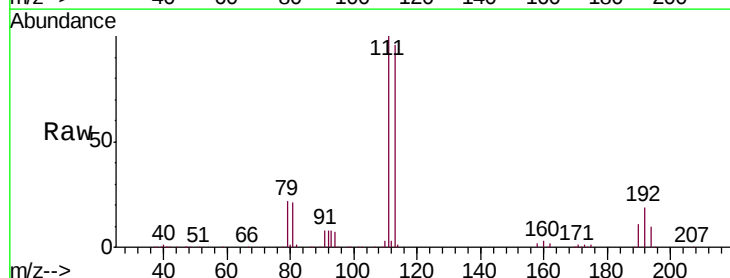


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

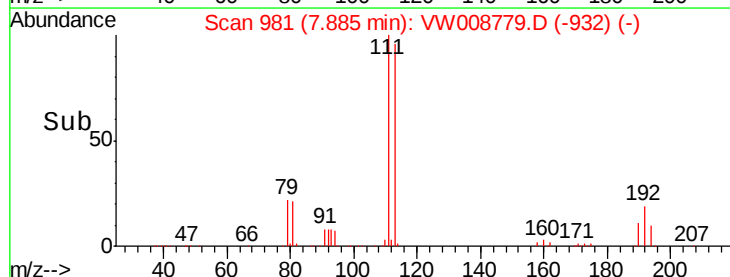
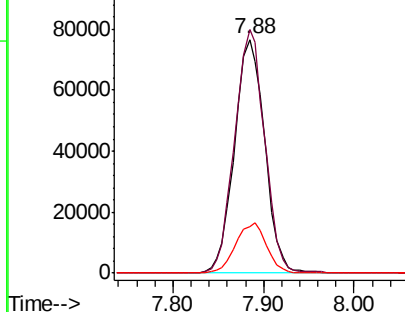


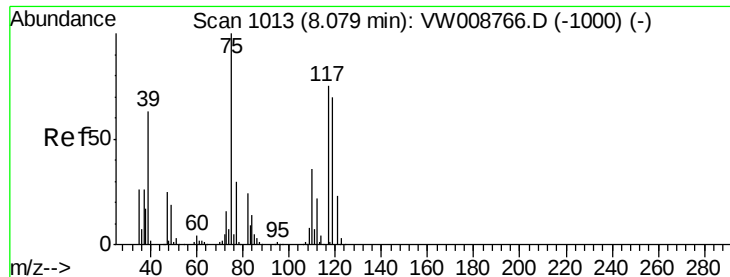
#35
Dibromofluoromethane
Concen: 52.666 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	21.9	17.1	25.7



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

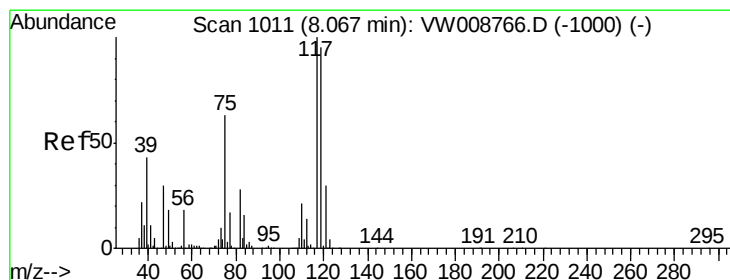
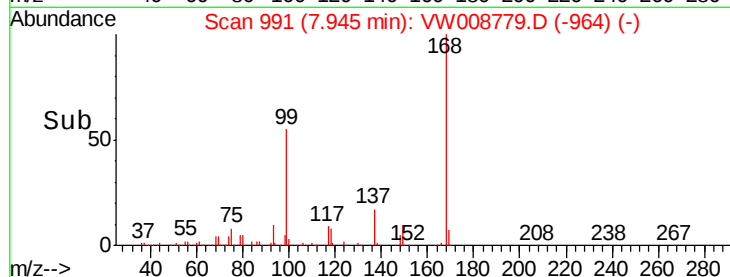
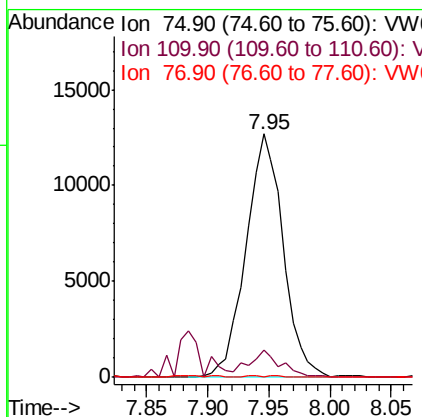
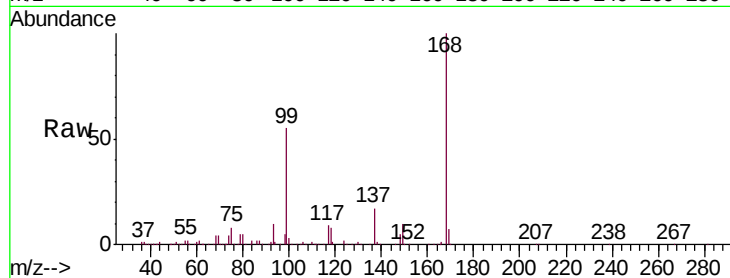




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008779.D
 Acq: 21 Feb 2019 19:30

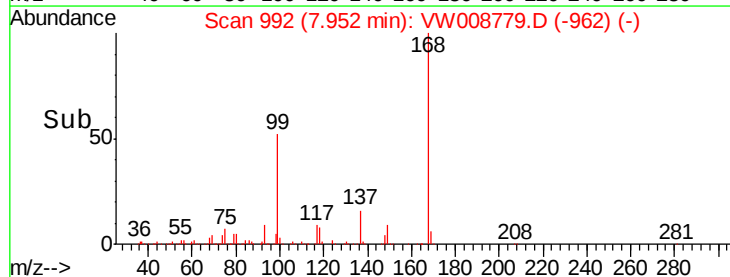
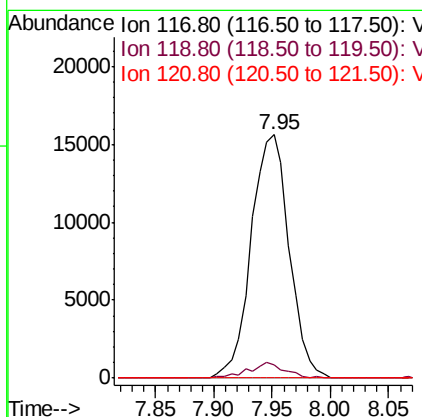
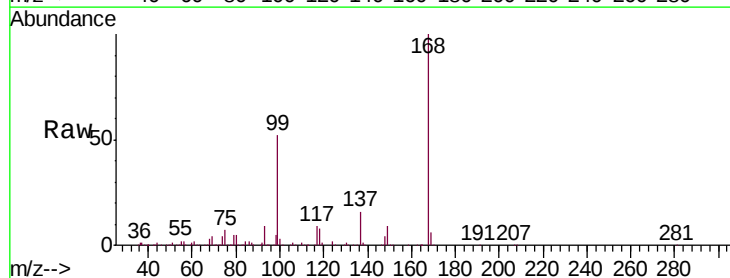
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-3422

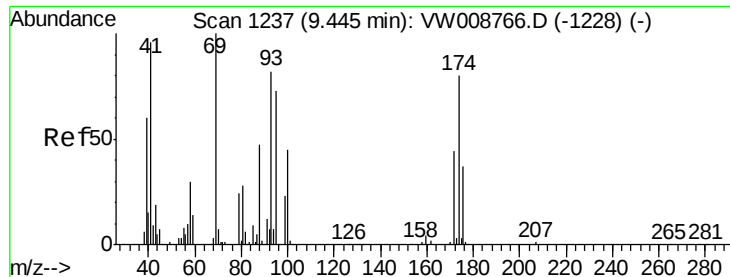
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.5	52.6#
77	0.3	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.128 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008779.D
 Acq: 21 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.1	114.1#
121	0.0	24.0	36.0#

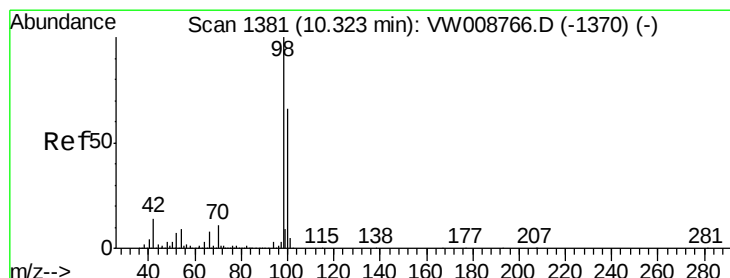
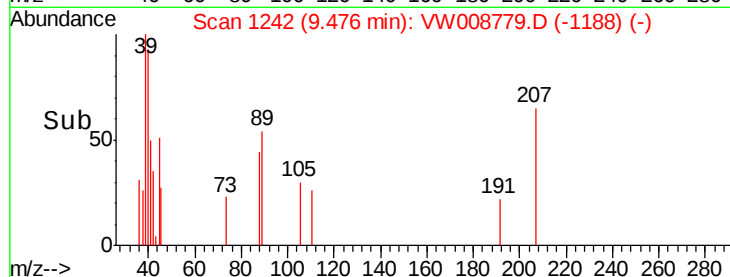
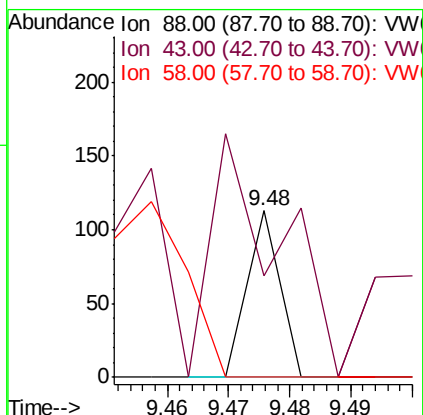
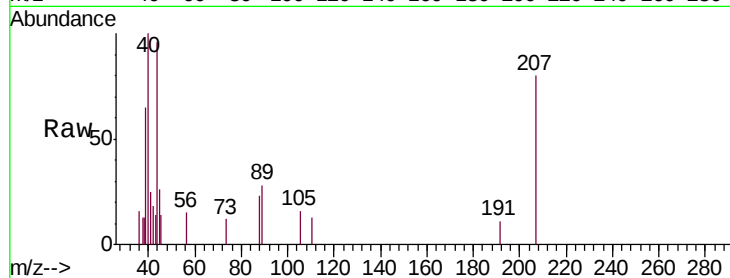




#49
1,4-Dioxane
Concen: 1.249 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.03 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

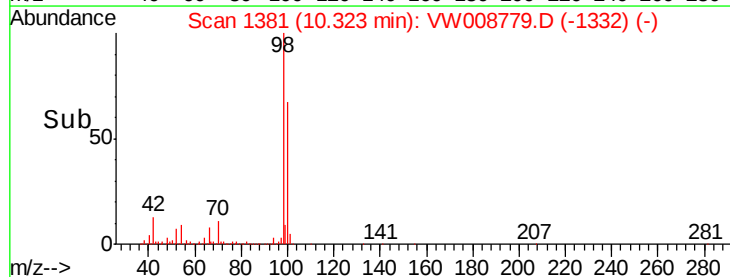
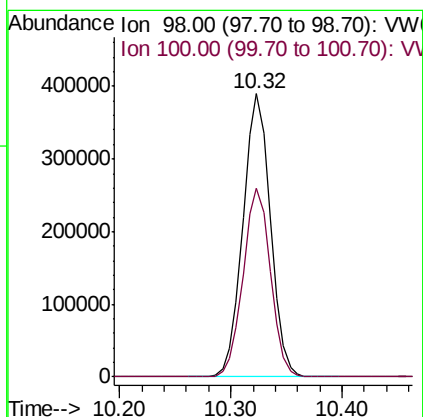
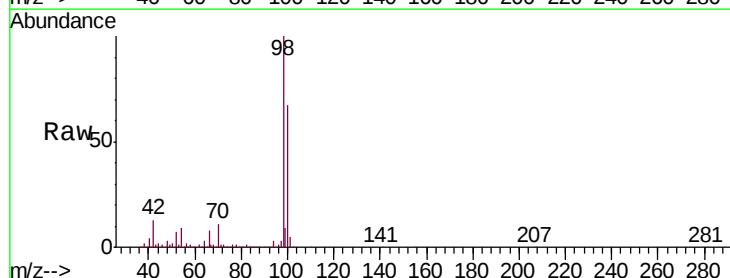
Instrument :
MSVOA_W
ClientSampleId :
RT-3422

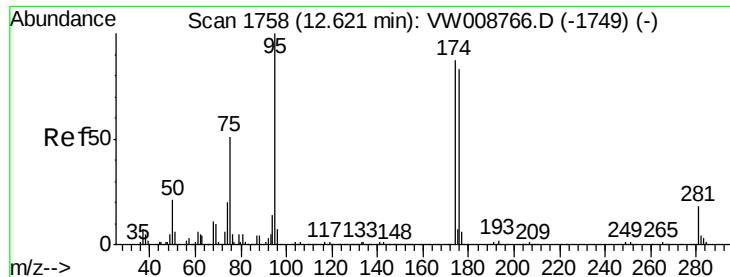
Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 312.2 29.0 43.4#
58 300.0 52.0 78.0#



#50
Toluene-d8
Concen: 51.295 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

Tgt Ion: 98 Resp: 667135
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

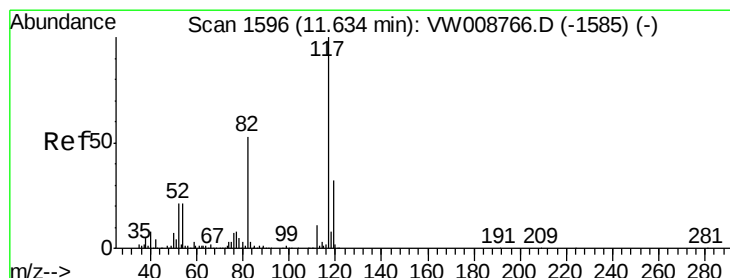
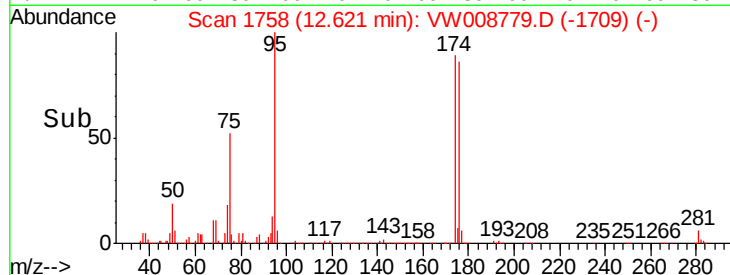
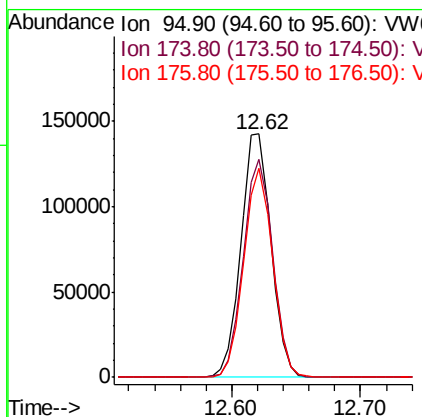
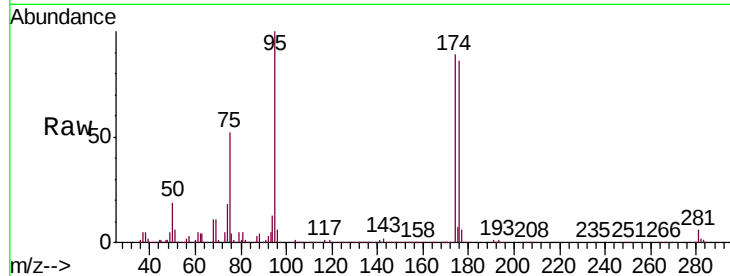




#62
4-Bromofluorobenzene
Concen: 45.191 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

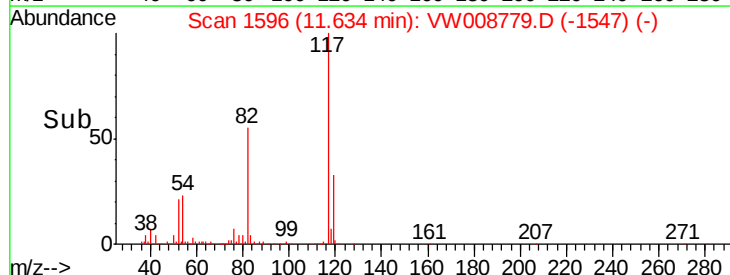
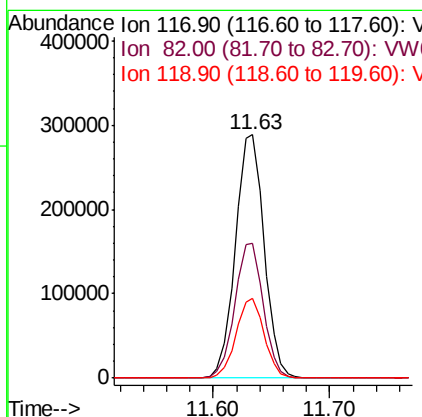
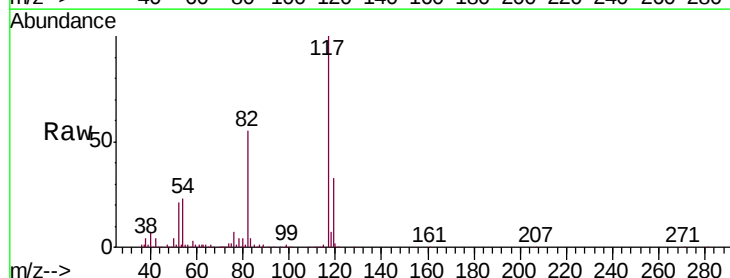
Instrument :
MSVOA_W
ClientSampled :
RT-3422

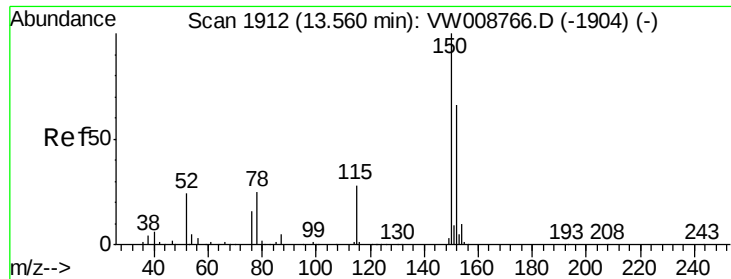
Tgt Ion: 95 Resp: 230124
Ion Ratio Lower Upper
95 100
174 87.5 0.0 169.2
176 82.6 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008779.D
Acq: 21 Feb 2019 19:30

Tgt Ion: 117 Resp: 497909
Ion Ratio Lower Upper
117 100
82 55.3 42.2 63.4
119 32.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008779.D

Acq: 21 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

RT-3422

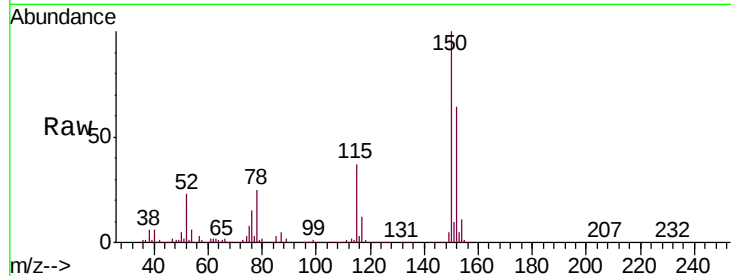
Tgt Ion: 152 Resp: 242723

Ion Ratio Lower Upper

152 100

115 56.1 28.6 85.8

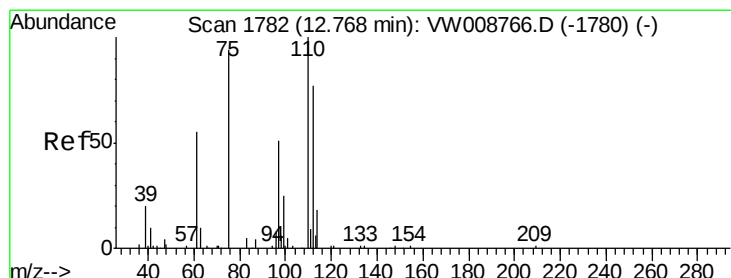
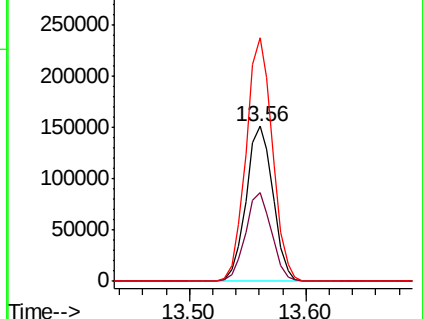
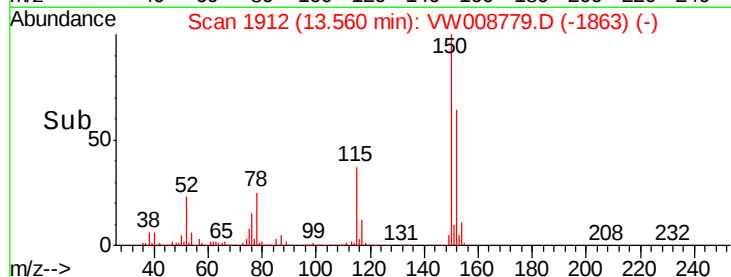
150 154.8 0.0 348.0



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



#76

1,2,3-Trichloropropane

Concen: 60.526 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008779.D

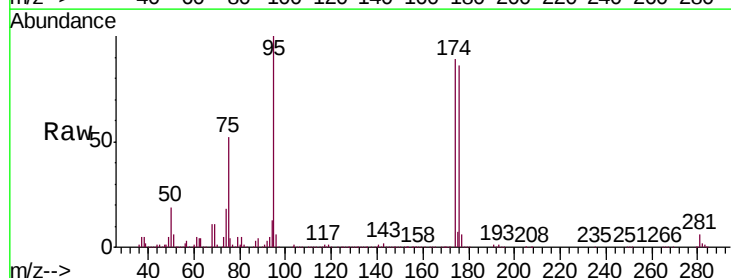
Acq: 21 Feb 2019 19:30

Tgt Ion: 75 Resp: 121294

Ion Ratio Lower Upper

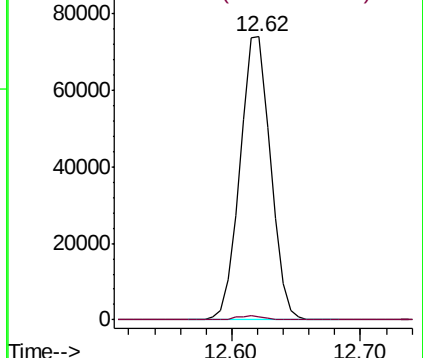
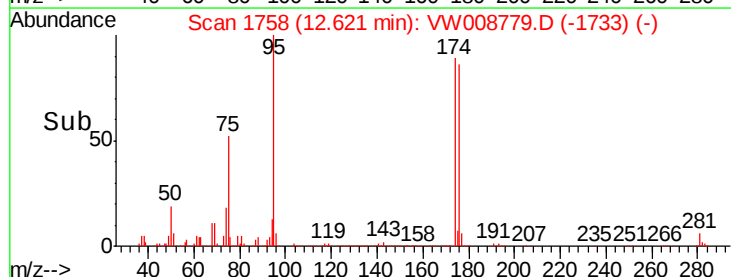
75 100

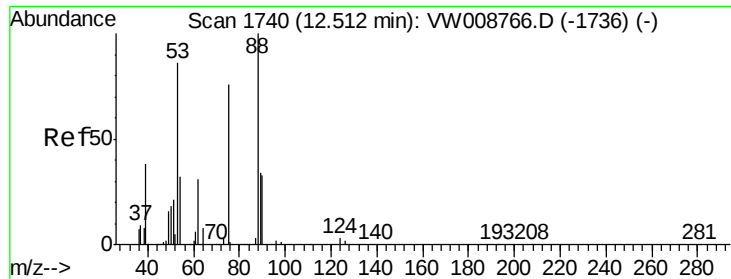
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 147.143 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008779.D

Acq: 21 Feb 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

RT-3422

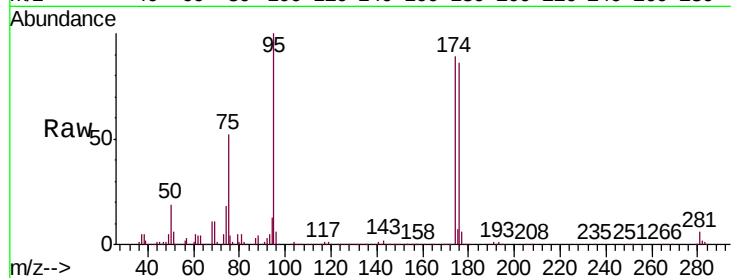
Tgt Ion: 75 Resp: 121294

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.1 39.5 59.3#



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

