

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011212.D
 Acq On : 11 Jul 2019 01:51
 Operator : SY/VA
 Sample : K3740-01
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-22

Quant Time: Jul 11 08:11:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	328095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	247520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	131458	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.88	113	100180	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.32	98	392278	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.62	95	107522	37.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.22%	

Target Compounds

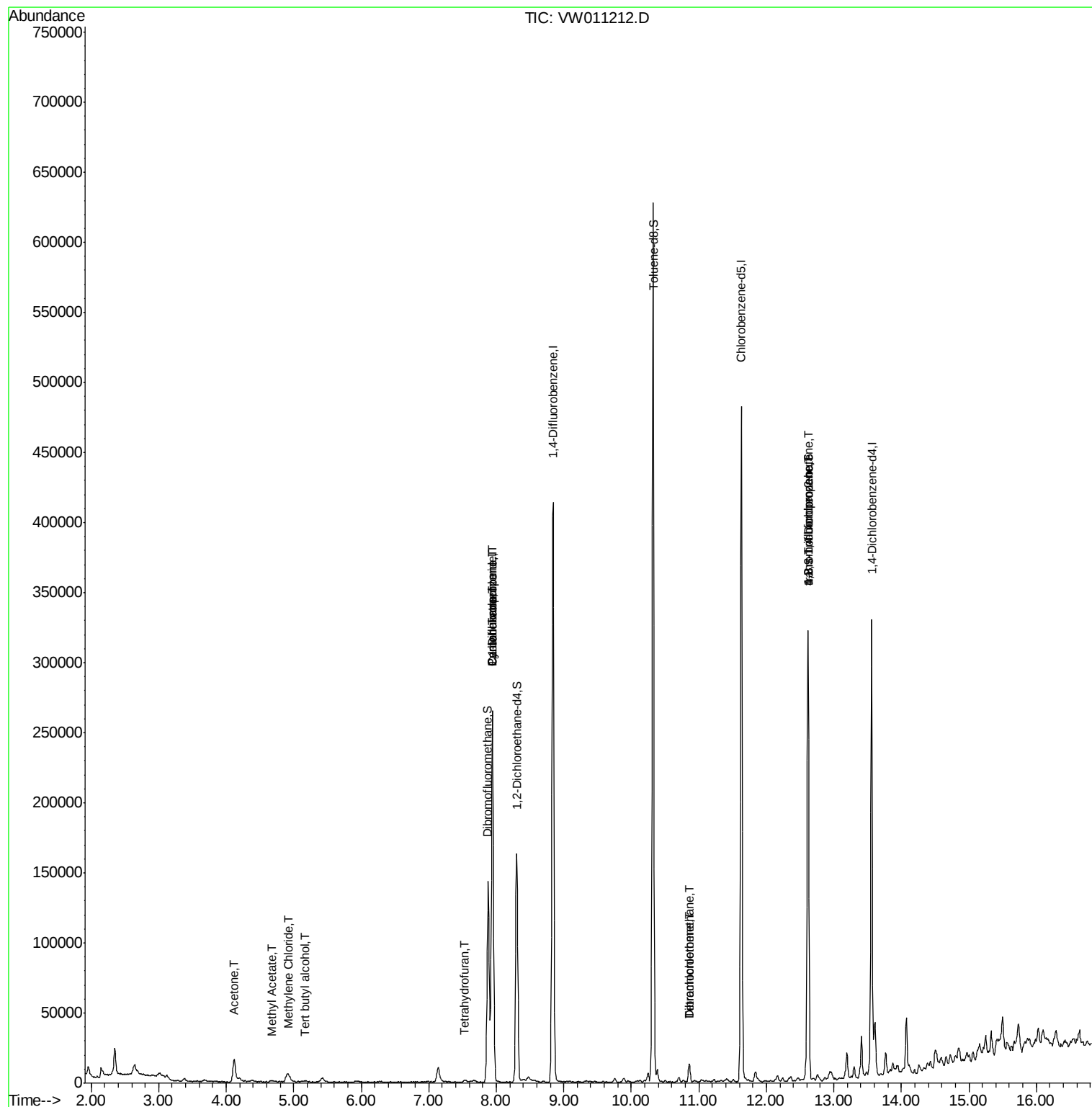
					Qvalue	
11) Tert butyl alcohol	5.17	59	968	5.473	ug/l #	70
16) Acetone	4.12	43	29927	52.064	ug/l	96
18) Methyl Acetate	4.68	43	2612	1.453	ug/l #	76
20) Methylene Chloride	4.92	84	4939	2.178	ug/l	96
29) Tetrahydrofuran	7.53	42	1191	2.013	ug/l #	92
31) Cyclohexane	7.95	56	5345	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16701	4.780	ug/l #	50
38) Carbon Tetrachloride	7.94	117	19604	6.619	ug/l #	15
60) Dibromochloromethane	10.86	129	2362	1.236	ug/l #	10
64) Tetrachloroethene	10.86	164	2948	1.765	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	58087	65.081	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58087	147.200	ug/l #	6

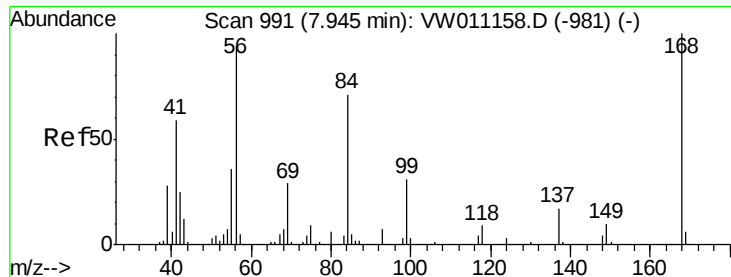
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

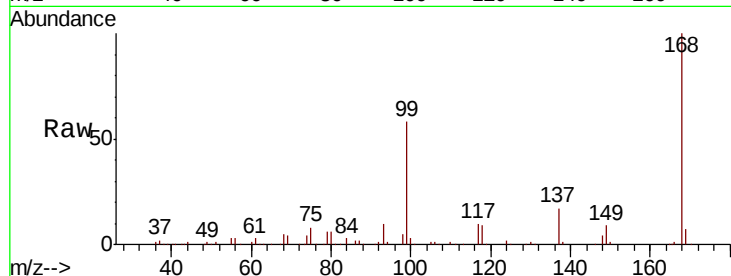
VOC-22

Tot Ion:168 Resp: 190122

Ion Ratio Lower Upper

168 100

99 58.0 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

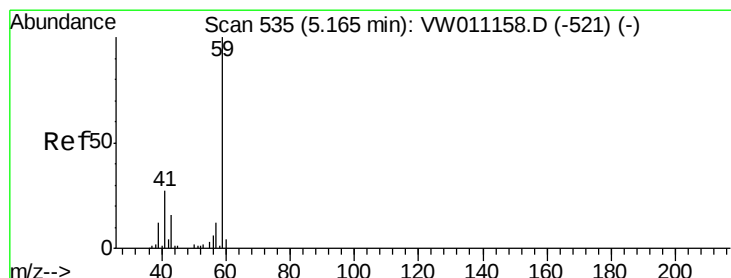
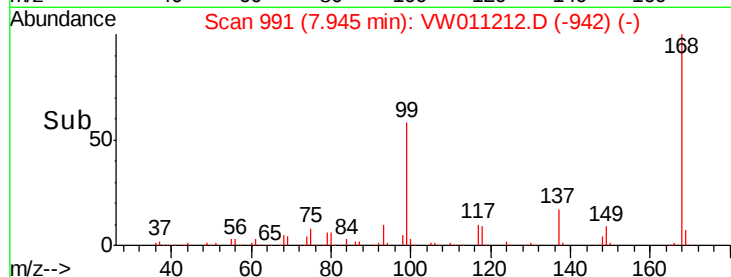
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 5.473 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011212.D

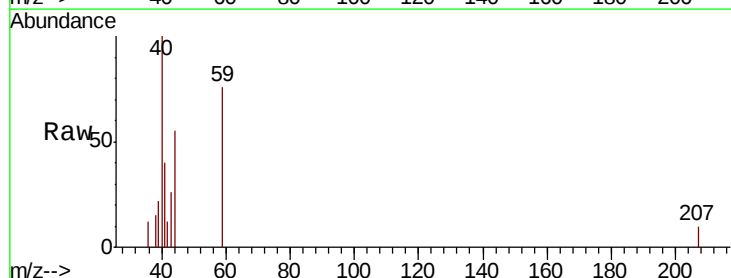
Acq: 11 Jul 2019 01:51

Tgt Ion: 59 Resp: 968

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

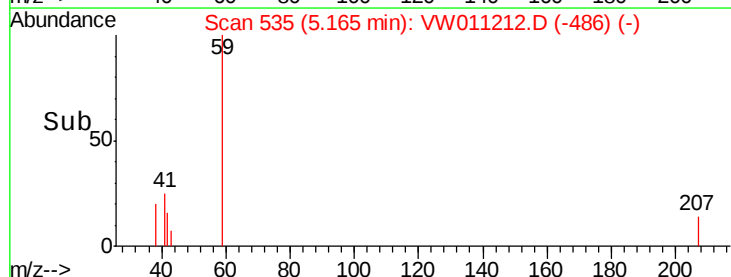
300

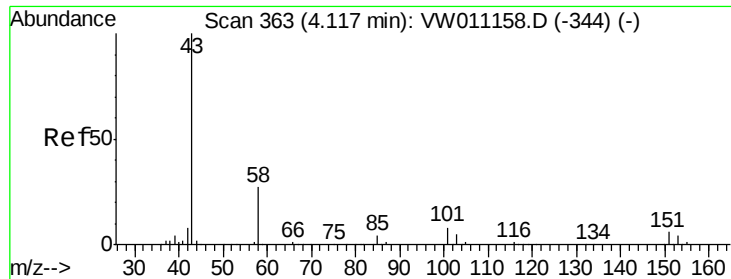
200

100

0

Time--> 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 52.064 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

Instrument :

MSVOA_W

ClientSampled :

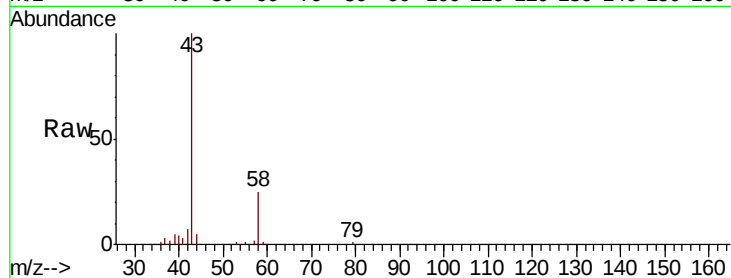
VOC-22

Tot Ion: 43 Resp: 29927

Ion Ratio Lower Upper

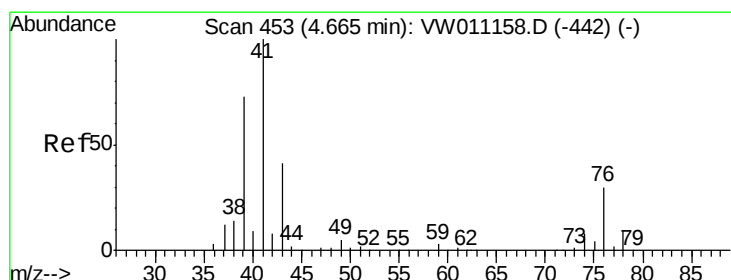
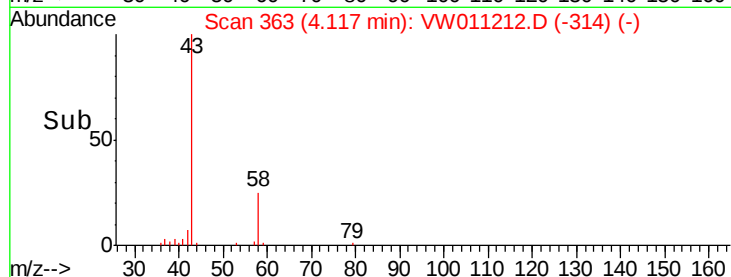
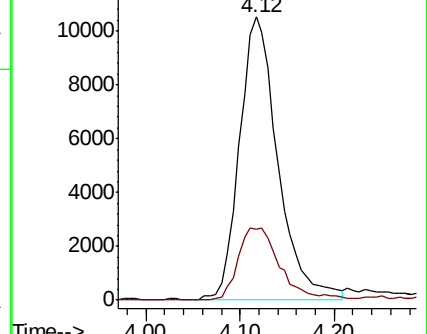
43 100

58 25.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.453 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011212.D

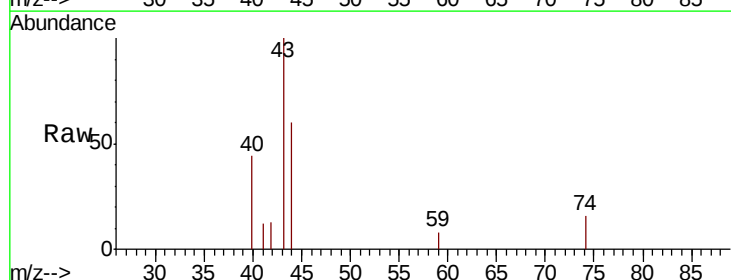
Acq: 11 Jul 2019 01:51

Tgt Ion: 43 Resp: 2612

Ion Ratio Lower Upper

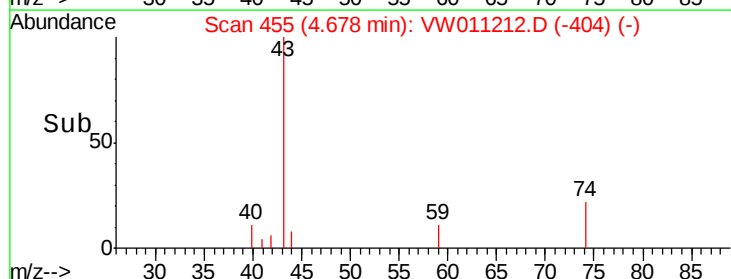
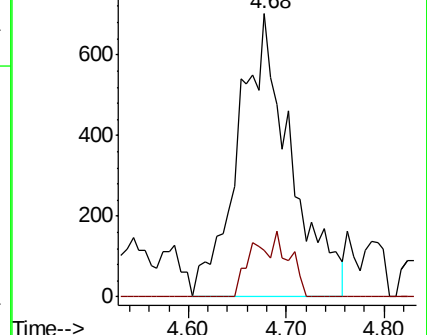
43 100

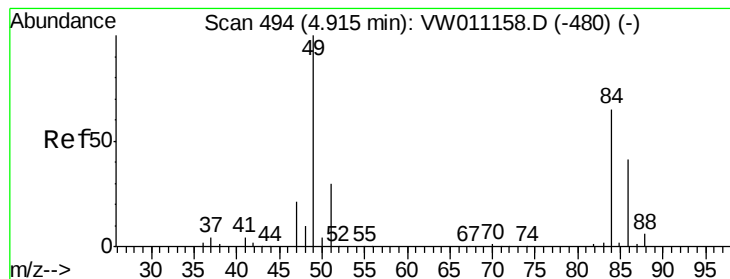
74 8.6 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 2.178 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VOC-22

Tot Ion: 84 Resp: 4939

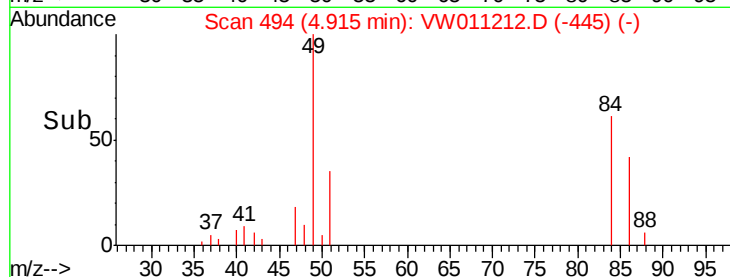
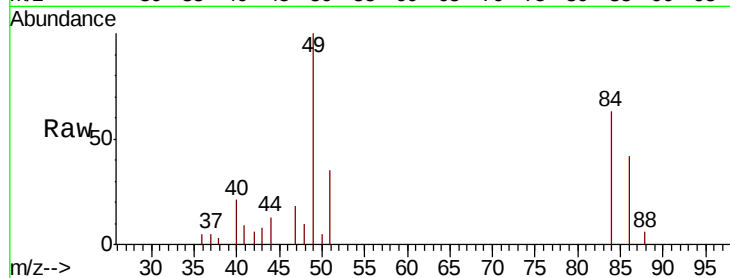
Ion Ratio Lower Upper

84 100

49 152.7 123.8 185.6

51 55.3 37.4 56.2

86 66.7 51.1 76.7

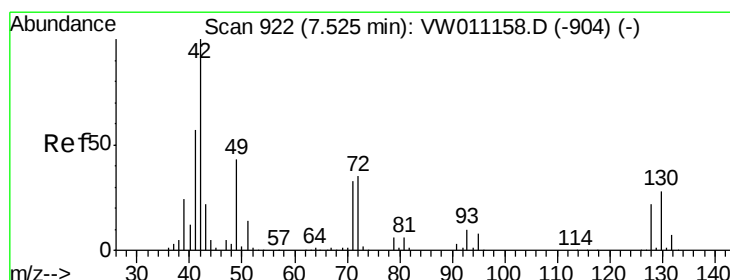
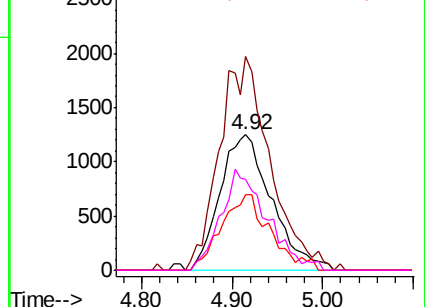


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.013 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

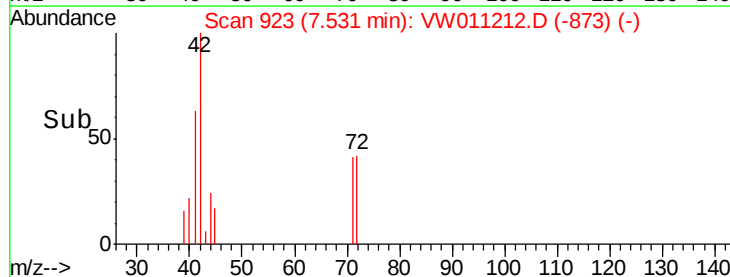
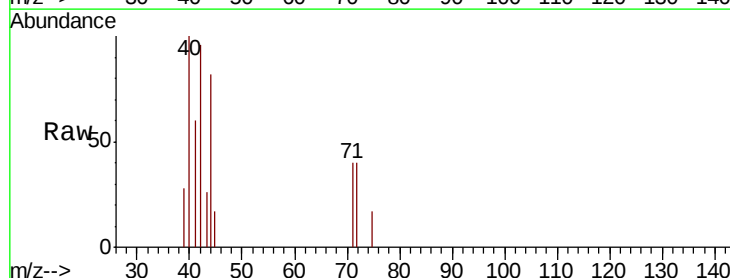
Tgt Ion: 42 Resp: 1191

Ion Ratio Lower Upper

42 100

72 26.3 27.4 41.2#

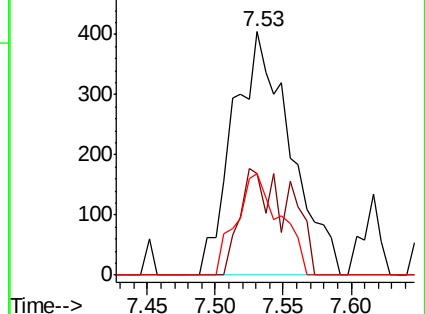
71 31.9 25.9 38.9

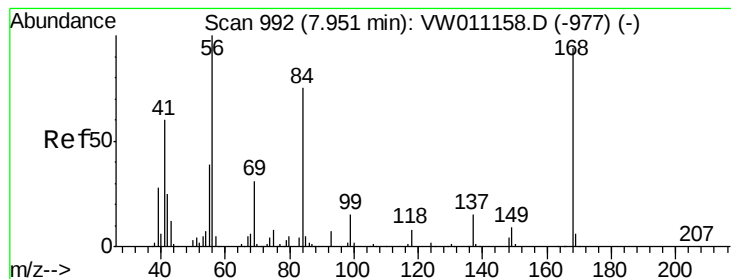


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cvclohexane

Concen: 1.155 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

Instrument :
MSVOA_W
ClientSampled :
VOC-22

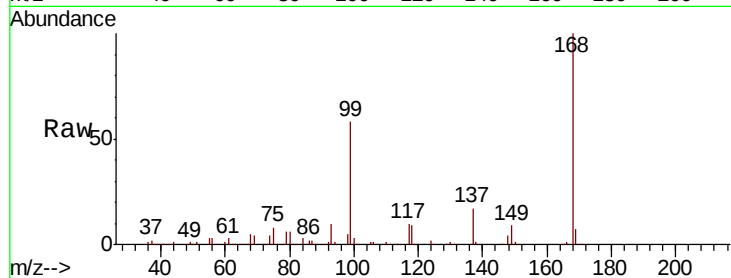
Tot Ion: 56 Resp: 5345

Ion Ratio Lower Upper

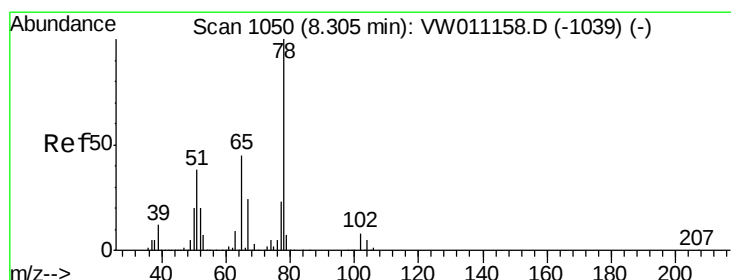
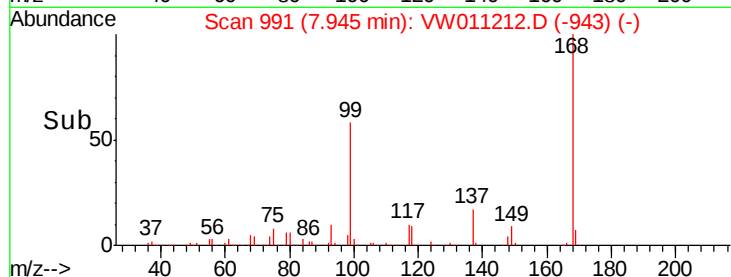
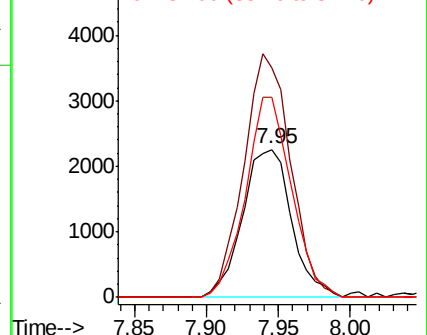
56 100

69 154.8 24.6 36.8#

84 135.0 60.1 90.1#



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



#33

1,2-Dichloroethane-d4

Concen: 55.027 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011212.D

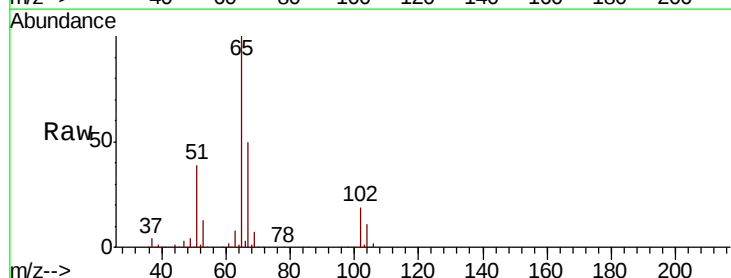
Acq: 11 Jul 2019 01:51

Tgt Ion: 65 Resp: 131458

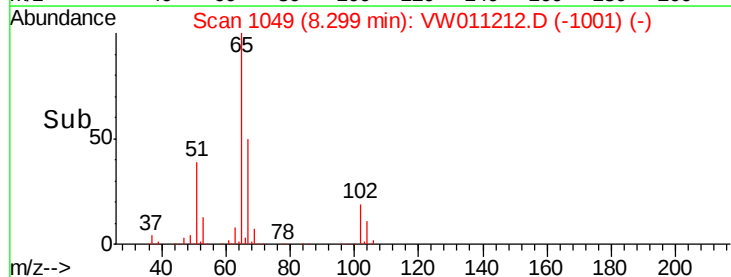
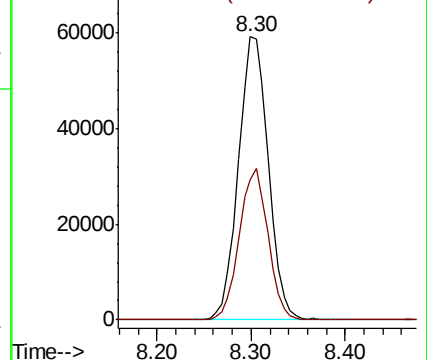
Ion Ratio Lower Upper

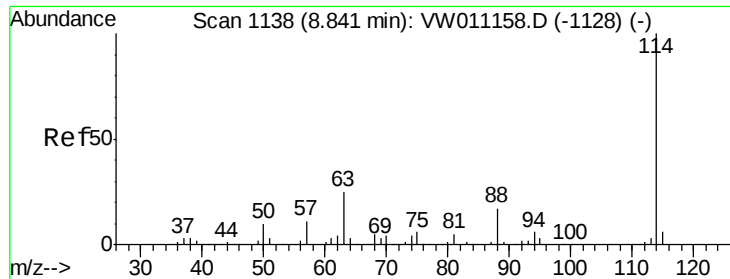
65 100

67 51.2 0.0 104.4



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

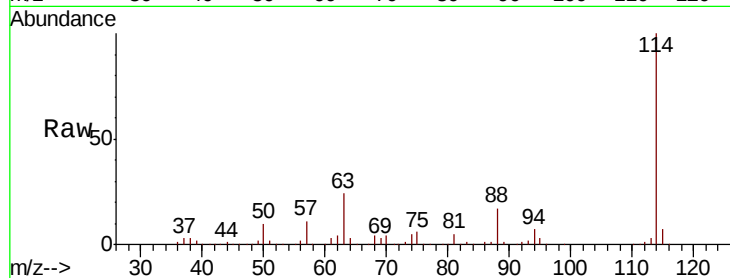




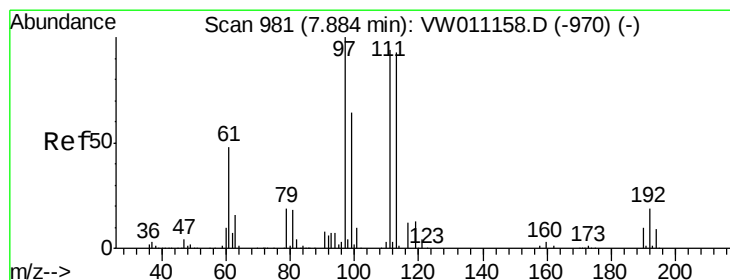
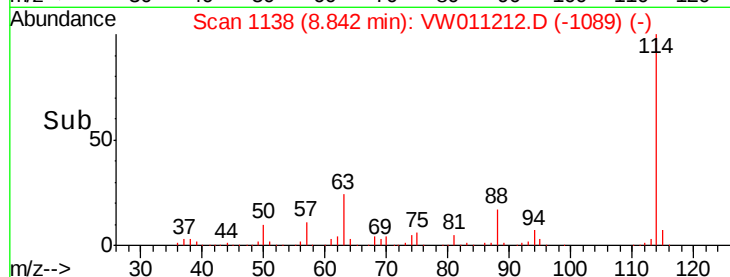
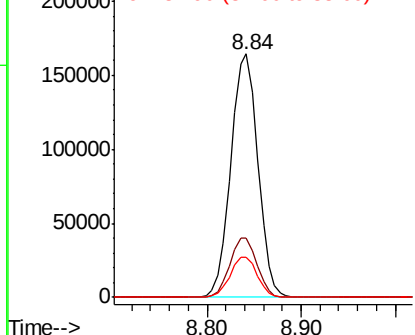
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011212.D
Acq: 11 Jul 2019 01:51

Instrument :
MSVOA_W
ClientSampleId :
VOC-22

Tot Ion:114 Resp: 328095
Ion Ratio Lower Upper
114 100
63 24.5 0.0 50.8
88 16.7 0.0 34.2

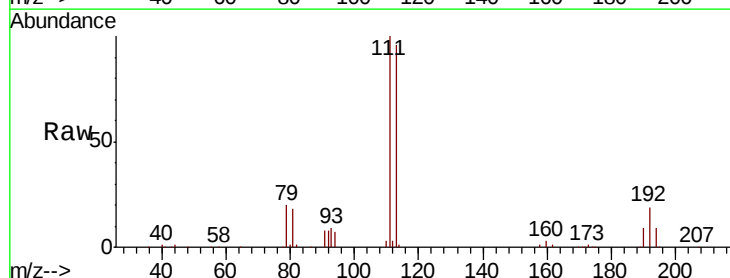


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

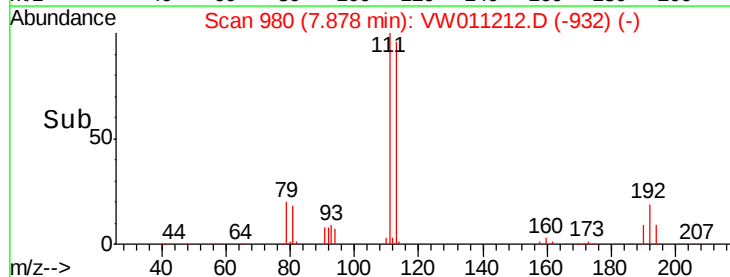
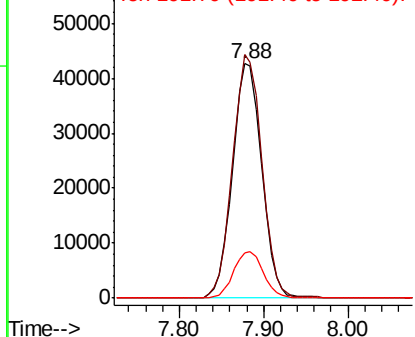


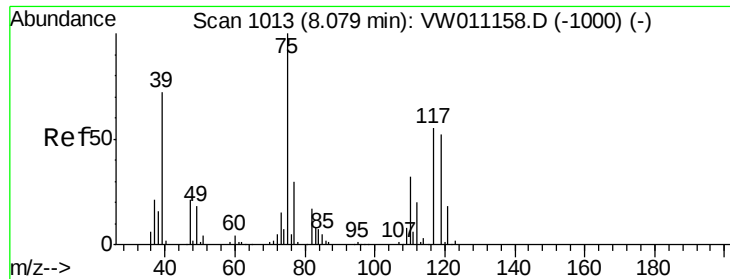
#35
Dibromofluoromethane
Concen: 51.227 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011212.D
Acq: 11 Jul 2019 01:51

Tgt Ion:113 Resp: 100180
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 20.1 15.8 23.8



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

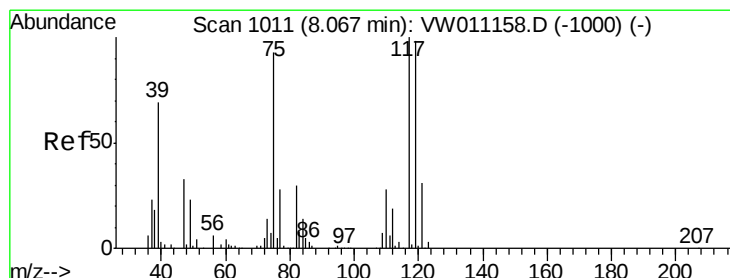
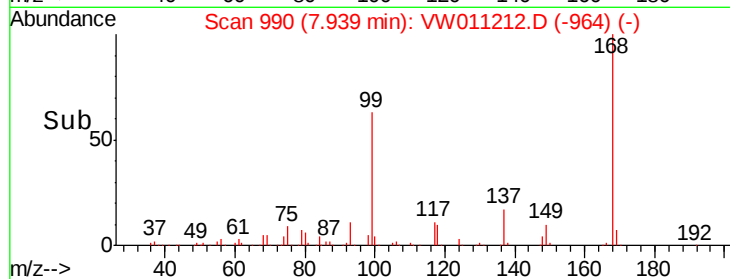
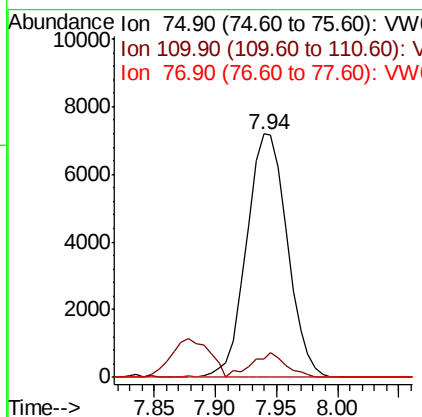
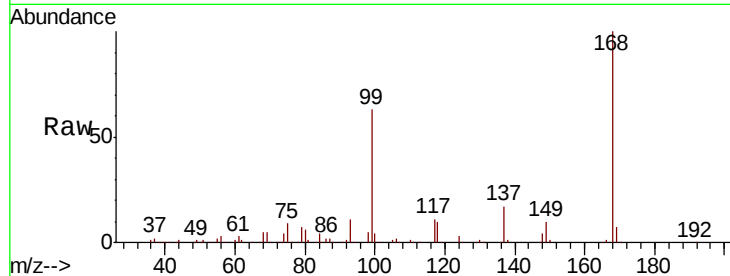




#36
 1,1-Dichloropropene
 Concen: 4.780 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011212.D
 Acq: 11 Jul 2019 01:51

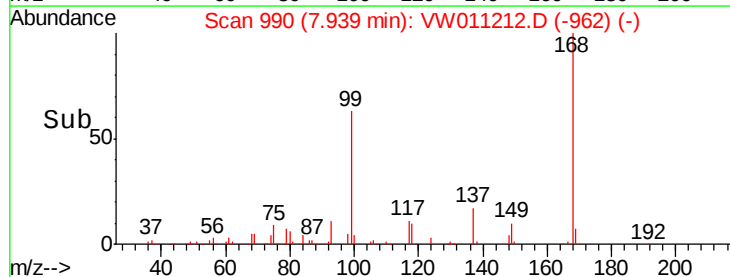
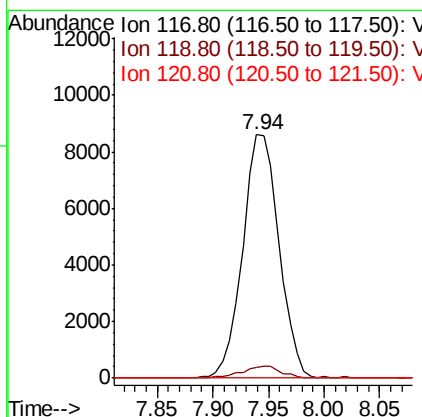
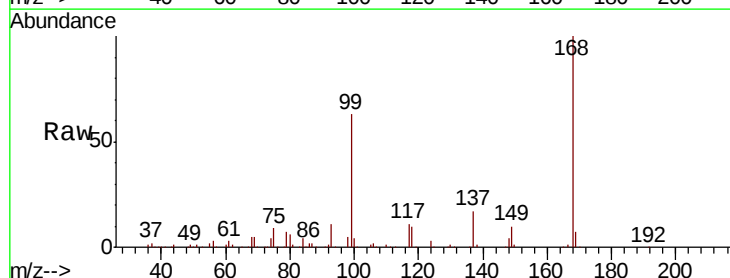
Instrument :
 MSVOA_W
 ClientSampleID :
 VOC-22

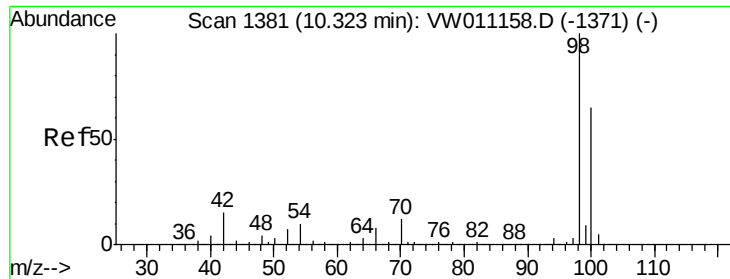
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.619 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW011212.D
 Acq: 11 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.1	117.1#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 49.625 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

Instrument :

MSVOA_W

ClientSampled :

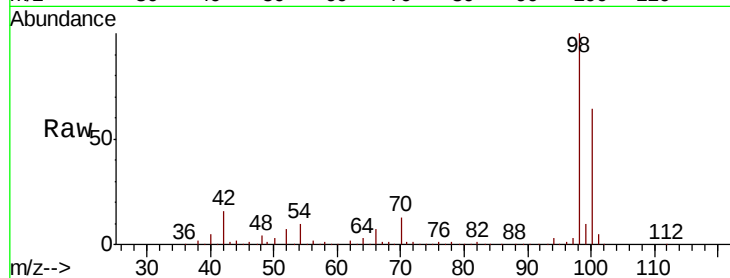
VOC-22

Tot Ion: 98 Resp: 392278

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

150000

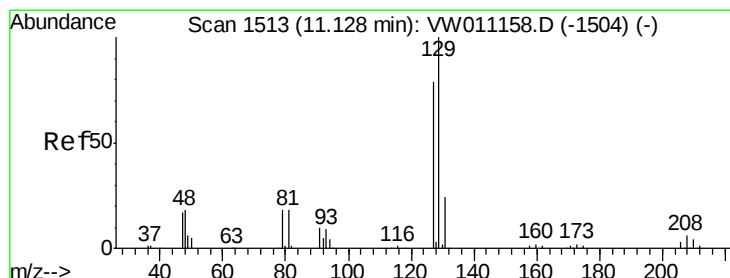
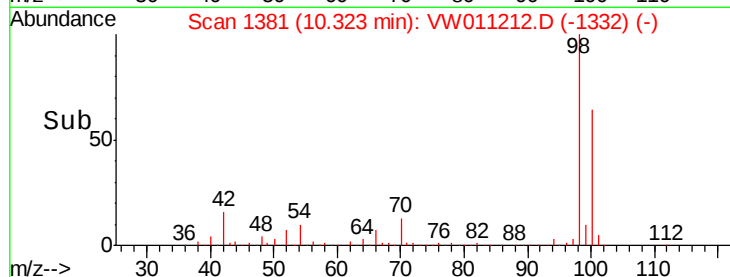
100000

50000

0

Time-->

10.20 10.30 10.40



#60

Dibromochloromethane

Concen: 1.236 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW011212.D

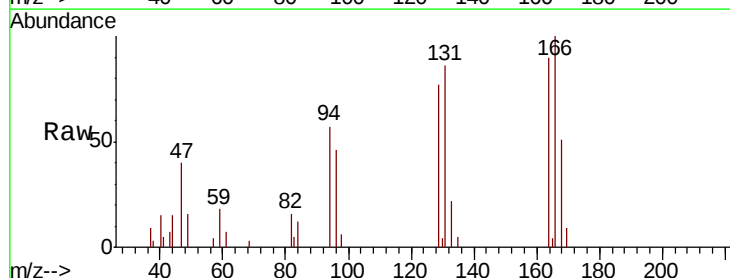
Acq: 11 Jul 2019 01:51

Tgt Ion:129 Resp: 2362

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.86

1500

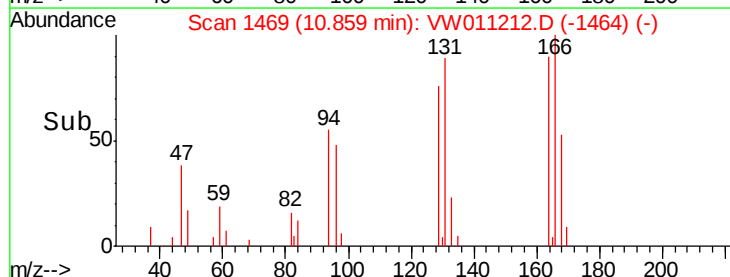
1000

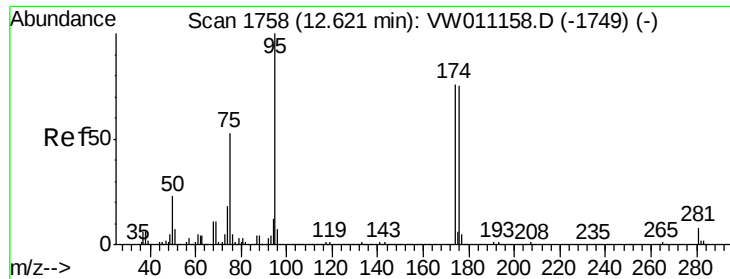
500

0

Time-->

10.85 10.90

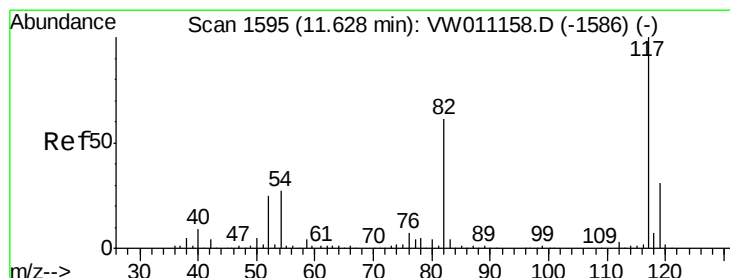
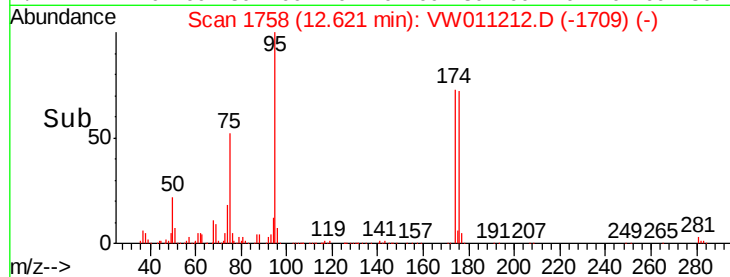
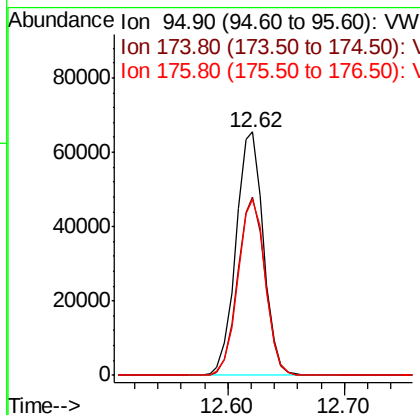
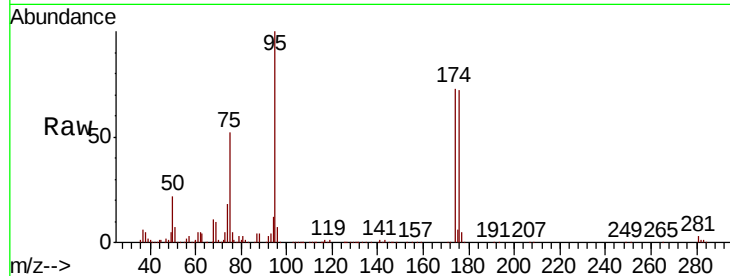




#62
4-Bromofluorobenzene
Concen: 37.110 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW011212.D
Acq: 11 Jul 2019 01:51

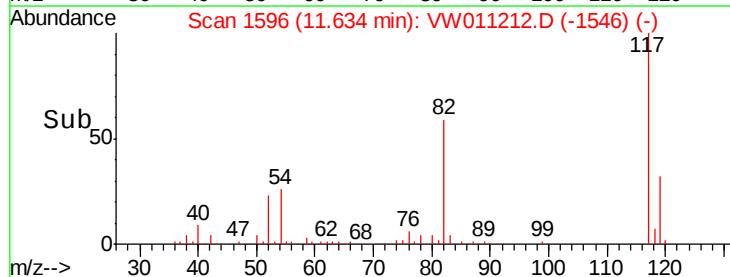
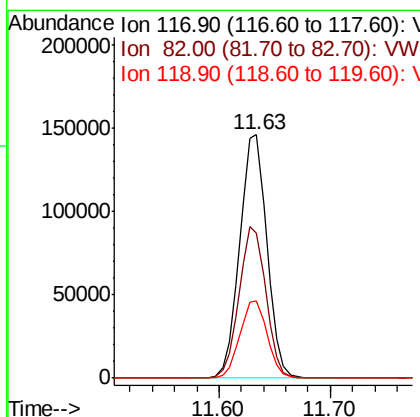
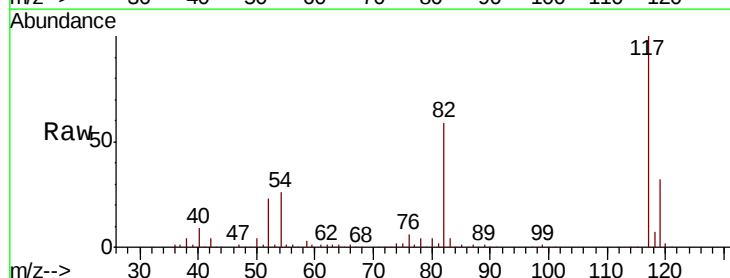
Instrument :
MSVOA_W
ClientSampleId :
VOC-22

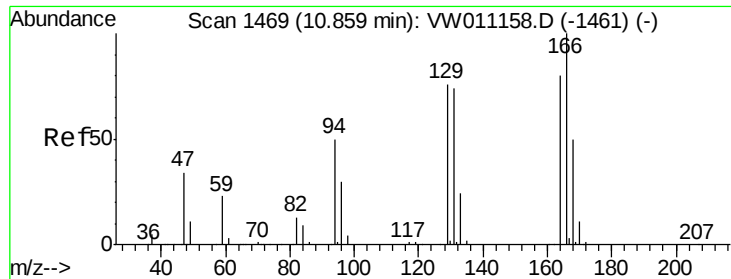
Tot Ion: 95 Resp: 107522
Ion Ratio Lower Upper
95 100
174 73.0 0.0 147.6
176 72.0 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011212.D
Acq: 11 Jul 2019 01:51

Tgt Ion: 117 Resp: 247520
Ion Ratio Lower Upper
117 100
82 59.4 48.9 73.3
119 31.6 25.0 37.6

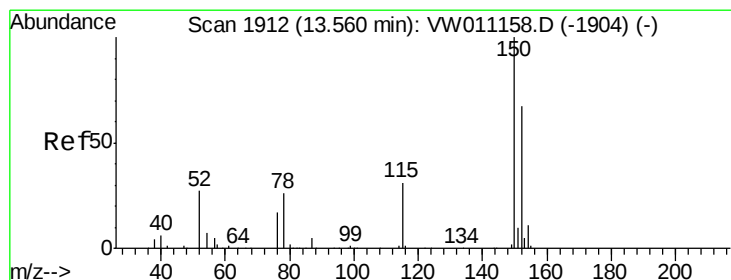
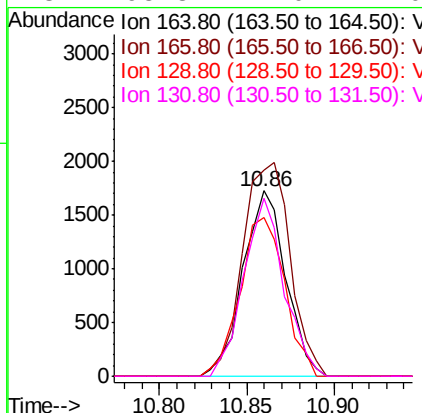
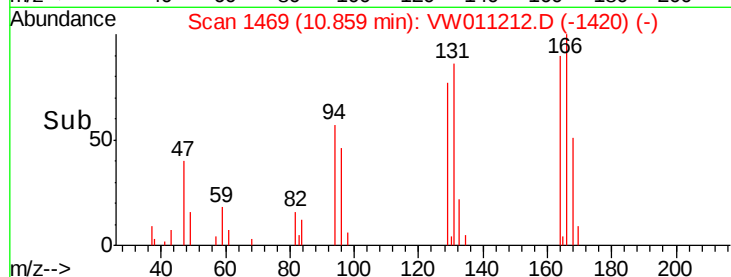
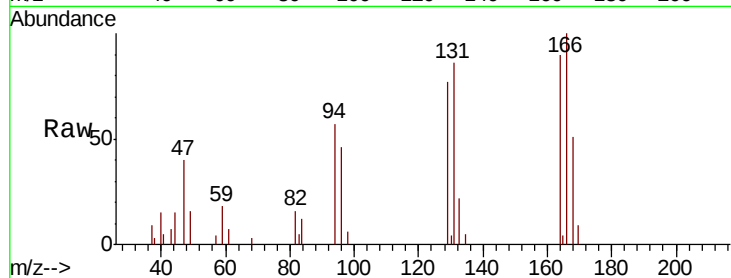




#64
Tetrachloroethene
Concen: 1.765 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011212.D
Acq: 11 Jul 2019 01:51

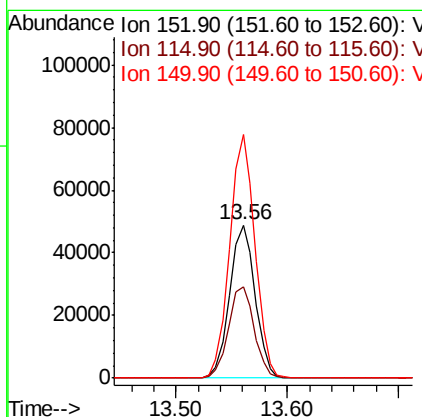
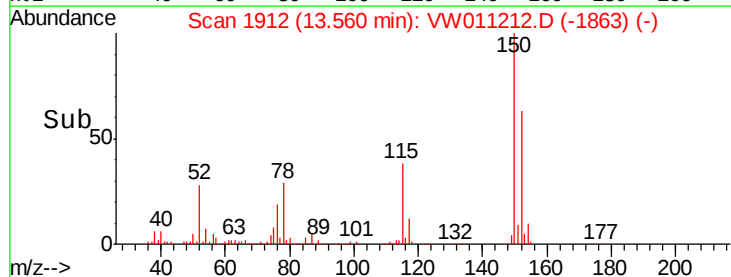
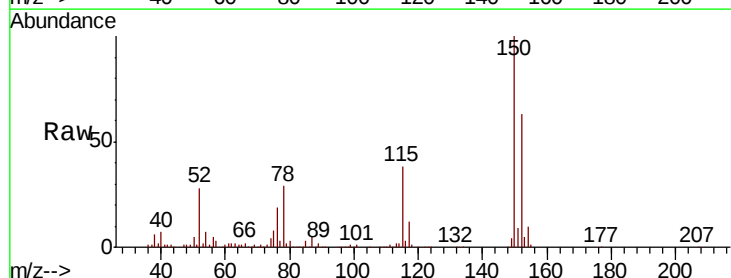
Instrument :
MSVOA_W
ClientSampled :
VOC-22

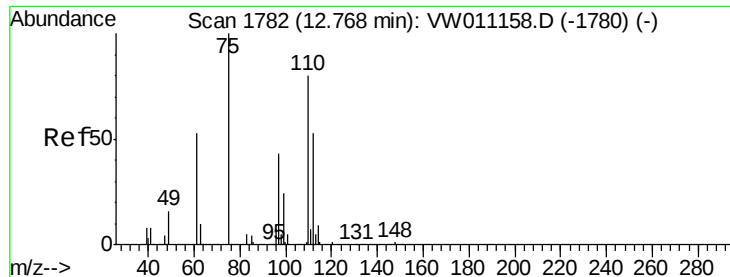
Tot Ion:	164	Resp:	2948
Ion	Ratio	Lower	Upper
164	100		
166	111.1	99.7	149.5
129	86.0	76.2	114.2
131	95.8	74.0	111.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011212.D
Acq: 11 Jul 2019 01:51

Tgt Ion:	152	Resp:	77234
Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.1	90.3
150	157.7	0.0	346.0





#76

1,2,3-Trichloropropane

Concen: 65.081 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

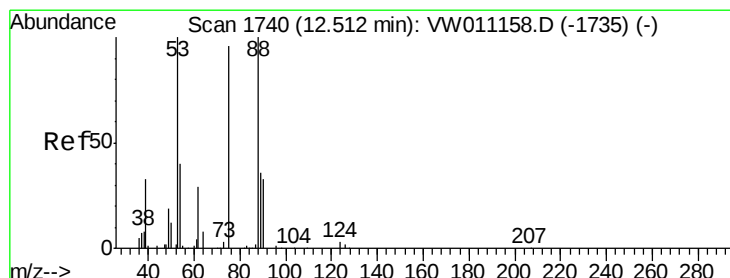
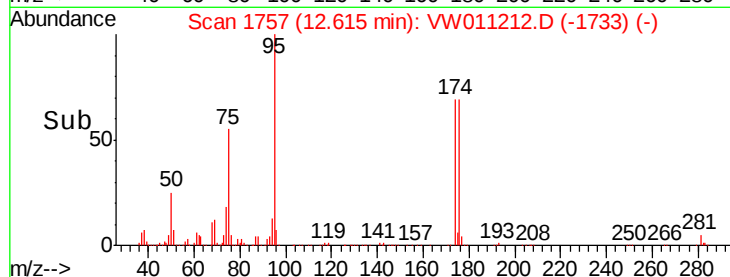
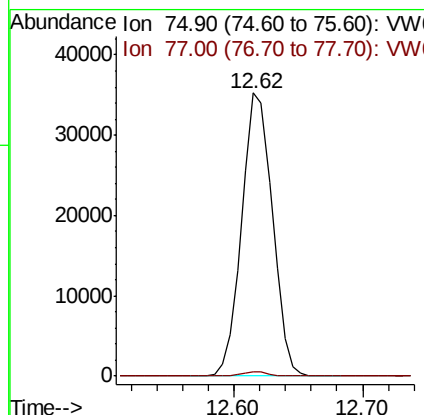
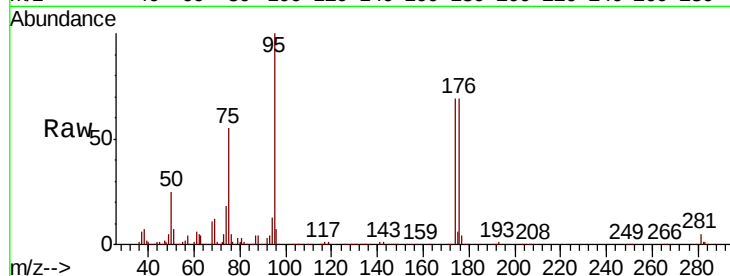
VOC-22

Tot Ion: 75 Resp: 58087

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.200 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011212.D

Acq: 11 Jul 2019 01:51

Tgt Ion: 75 Resp: 58087

Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.6#

89 0.1 34.3 51.5#

