

Data File : VW008594.D
Acq On : 11 Feb 2019 13:48
Operator : SY/VA
Sample : K1442-03RE
Misc : 5.21G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VOC-12

Quant Time: Feb 12 04:27:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	448996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	716444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	612724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	241484	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	242951	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	7.88	113	227740	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	10.32	98	848259	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.62	95	270301	41.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.72%	

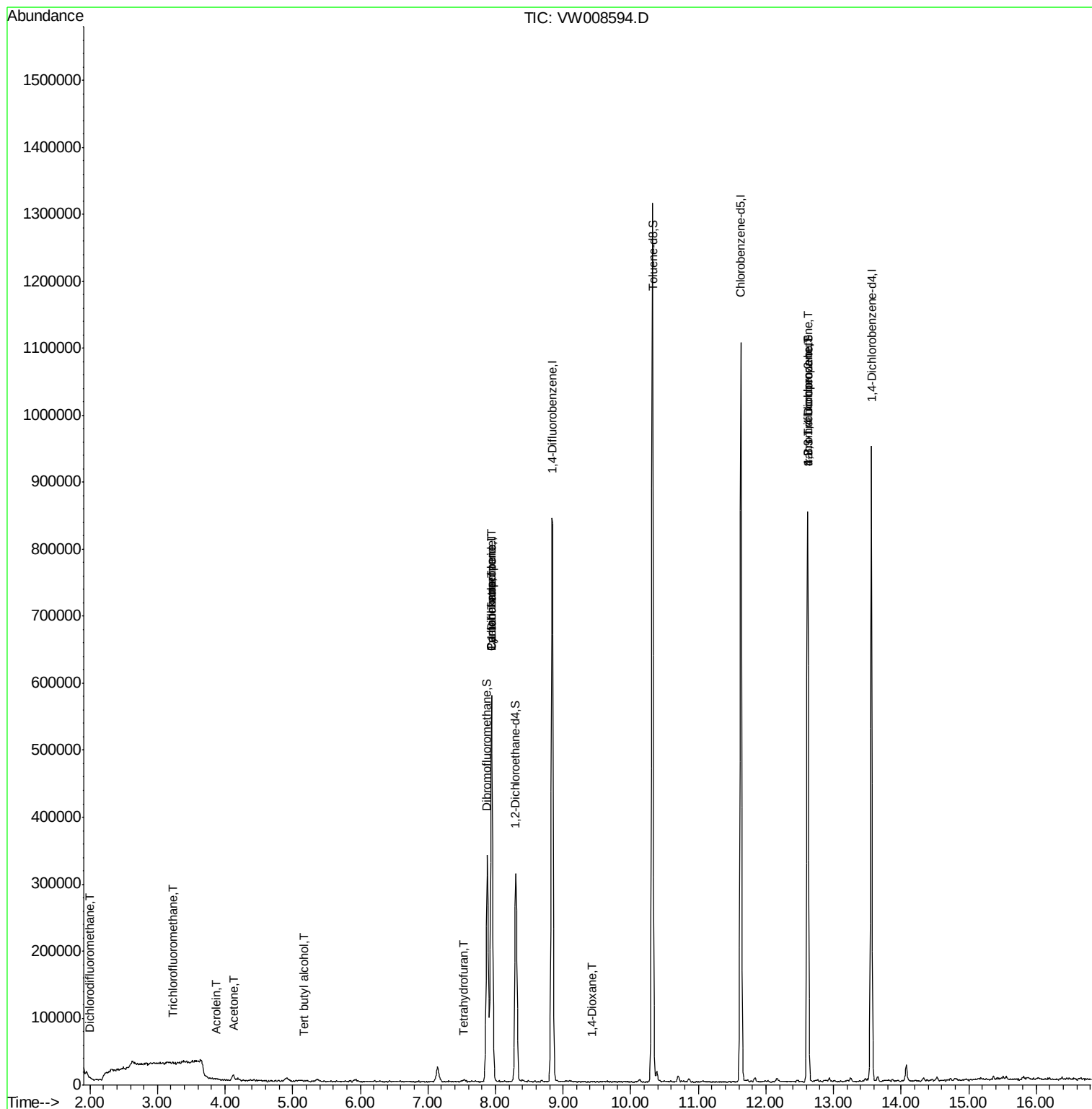
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	286	3.355	ug/l #	41
7) Trichlorofluoromethane	3.24	101	123	4.752	ug/l	99
11) Tert butyl alcohol	5.17	59	803	2.261	ug/l #	26
13) Acrolein	3.88	56	196	4.800	ug/l #	14
16) Acetone	4.12	43	10073	10.169	ug/l #	87
29) Tetrahydrofuran	7.53	42	2267	2.600	ug/l #	57
31) Cyclohexane	7.94	56	10177	1.176	ug/l #	7
36) 1,1-Dichloropropene	7.94	75	33795	4.994	ug/l #	51
38) Carbon Tetrachloride	7.95	117	41658	6.117	ug/l #	17
49) 1,4-Dioxane	9.43	88	80	1.965	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	142713	67.974	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	142713	134.253	ug/l #	12

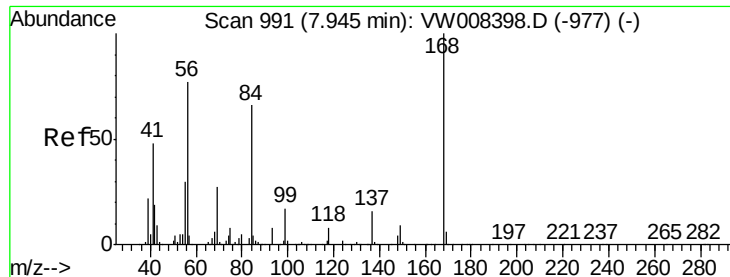
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

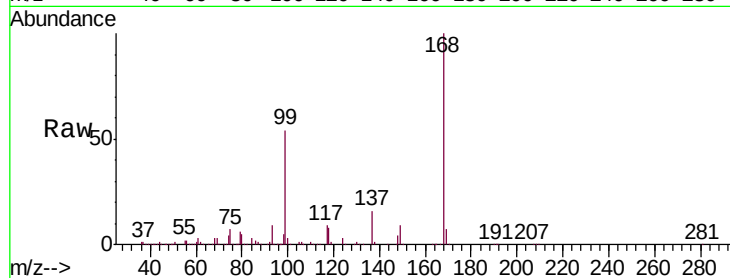
VOC-12

Tgt Ion:168 Resp: 448996

Ion Ratio Lower Upper

168 100

99 54.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

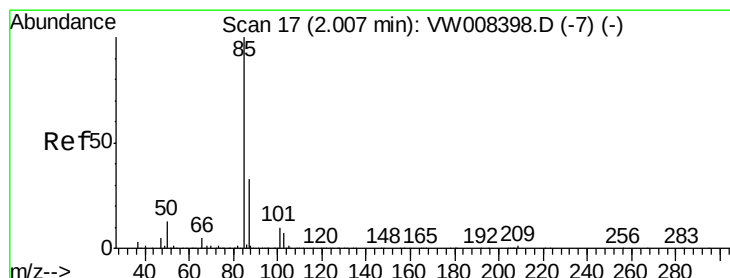
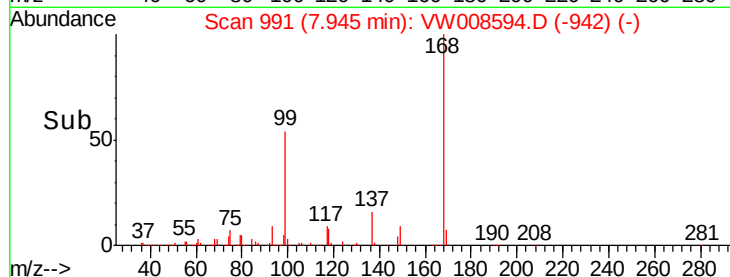
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.355 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008594.D

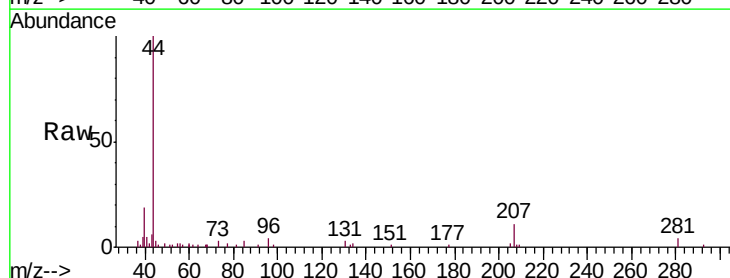
Acq: 11 Feb 2019 13:48

Tgt Ion: 85 Resp: 286

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

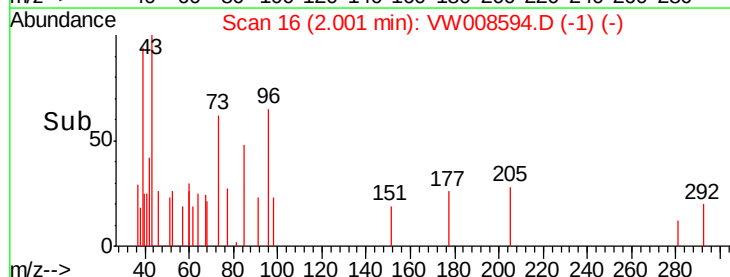
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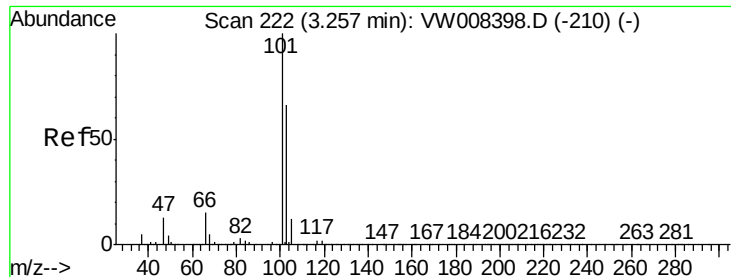
100

50

0

Time-->



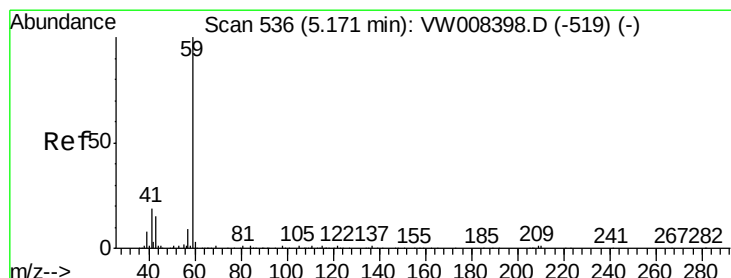
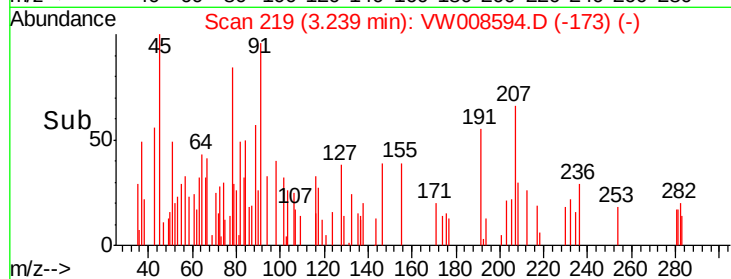
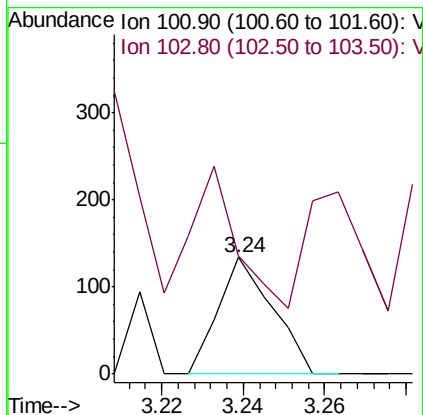
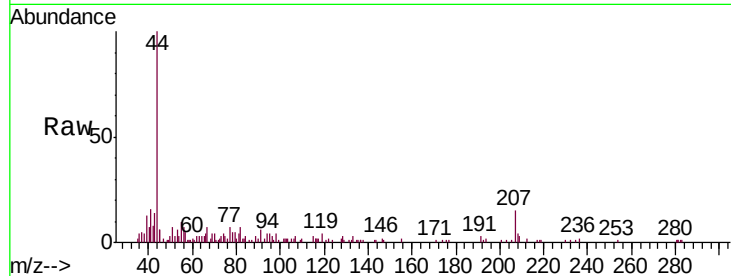


#7

Trichlorofluoromethane
 Concen: 4.752 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW008594.D
 Acq: 11 Feb 2019 13:48

Instrument :
 MSVOA_W
 ClientSampled :
 VOC-12

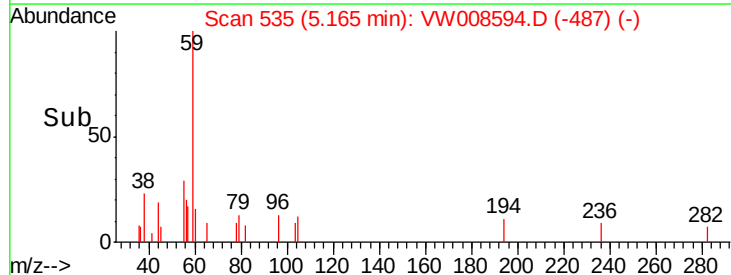
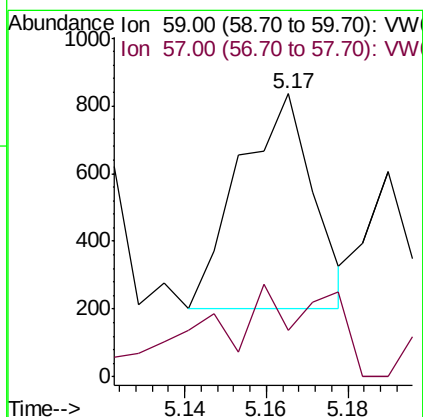
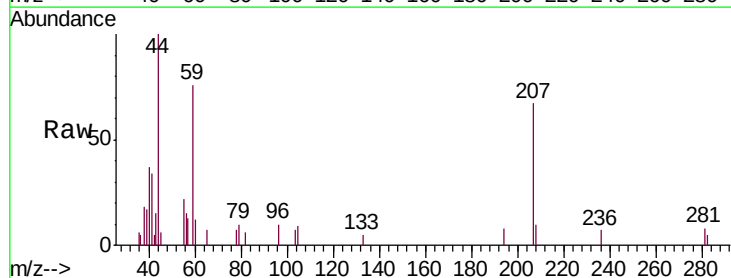
Tgt Ion: 101 Resp: 123
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.5 78.7

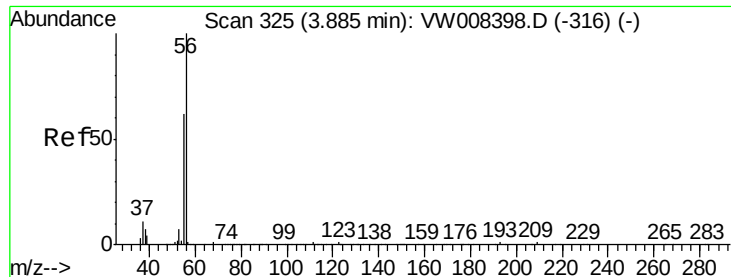


#11

Tert butyl alcohol
 Concen: 2.261 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW008594.D
 Acq: 11 Feb 2019 13:48

Tgt Ion: 59 Resp: 803
 Ion Ratio Lower Upper
 59 100
 57 40.2 9.3 13.9#

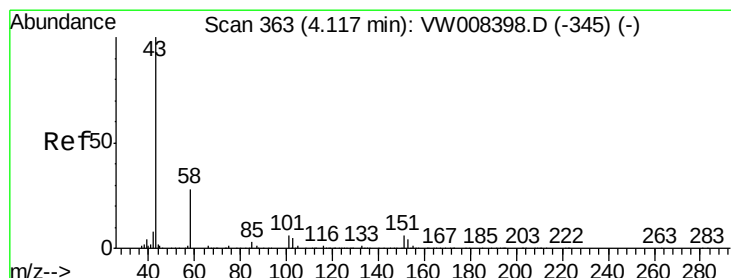
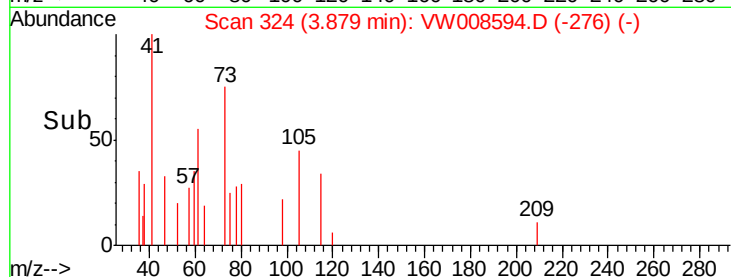
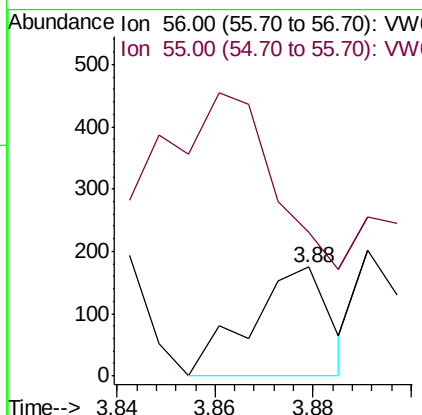
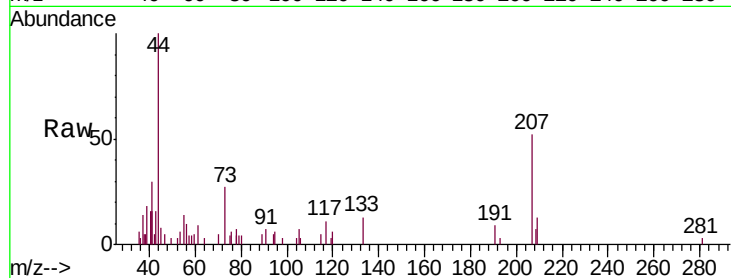




#13
Acrolein
Concen: 4.800 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008594.D
Acq: 11 Feb 2019 13:48

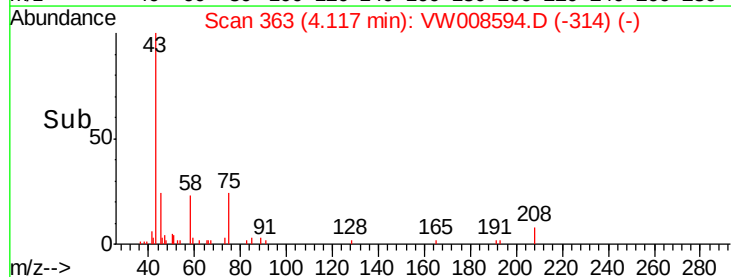
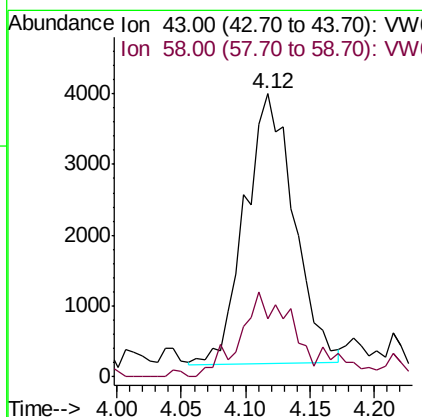
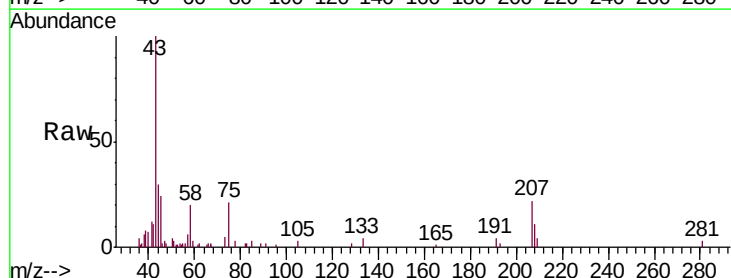
Instrument :
MSVOA_W
ClientSampleId :
VOC-12

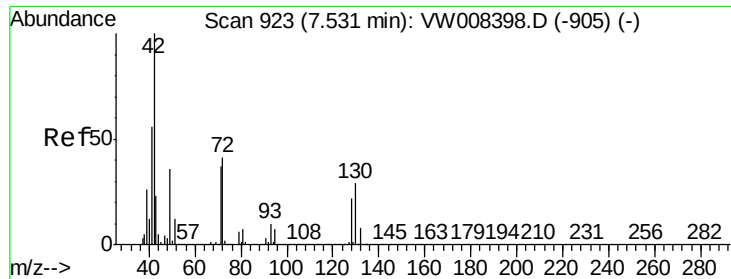
Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#16
Acetone
Concen: 10.169 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008594.D
Acq: 11 Feb 2019 13:48

Tgt Ion: 43 Resp: 10073
Ion Ratio Lower Upper
43 100
58 21.4 22.6 34.0#

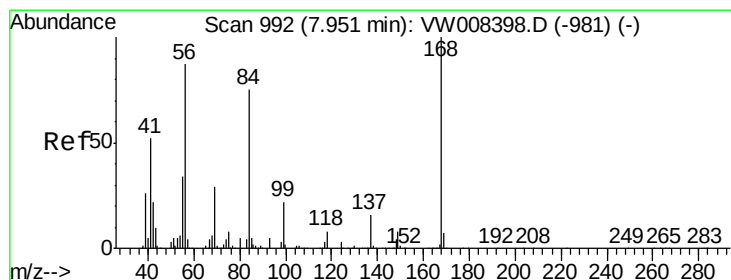
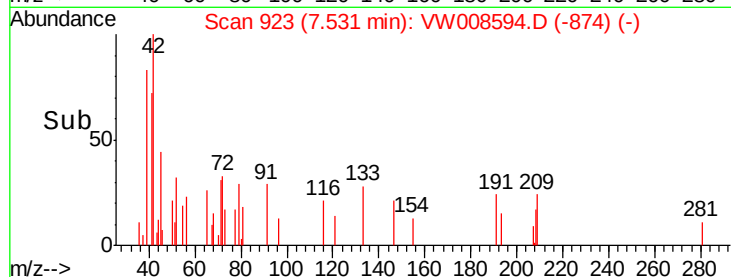
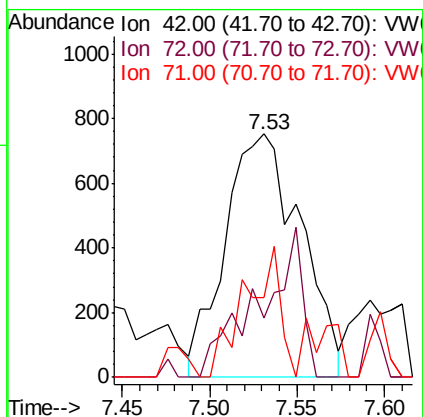
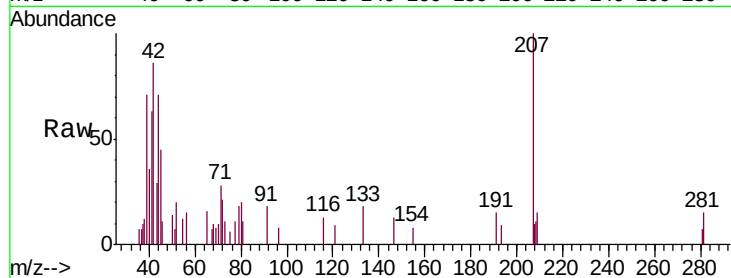




#29
Tetrahydrofuran
Concen: 2.600 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008594.D
Acq: 11 Feb 2019 13:48

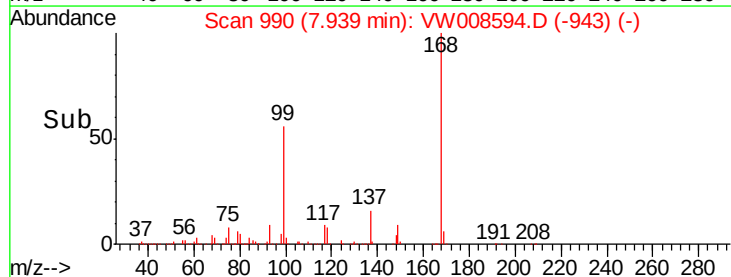
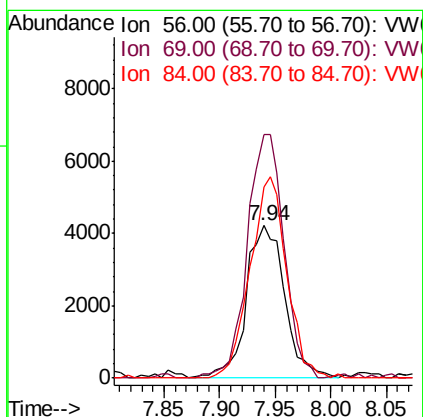
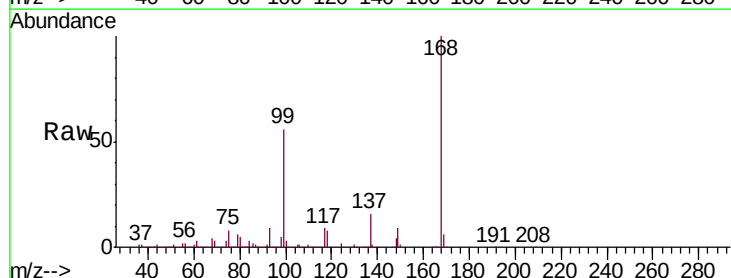
Instrument :
MSVOA_W
ClientSampled :
VOC-12

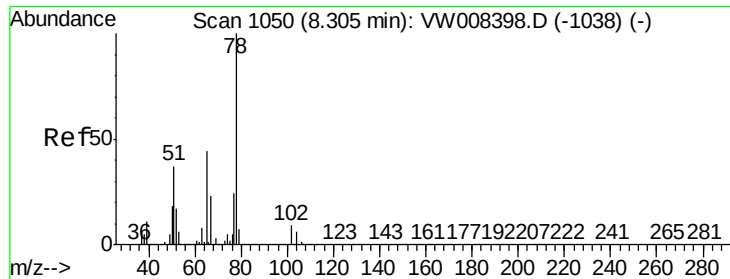
Tgt Ion: 42 Resp: 2267
Ion Ratio Lower Upper
42 100
72 0.0 31.9 47.9#
71 25.4 29.9 44.9#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008594.D
Acq: 11 Feb 2019 13:48

Tgt Ion: 56 Resp: 10177
Ion Ratio Lower Upper
56 100
69 159.9 26.4 39.6#
84 125.5 69.1 103.7#

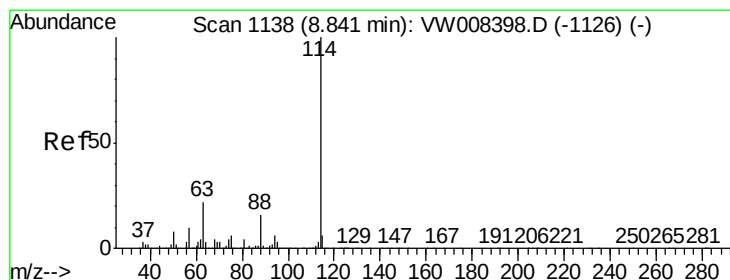
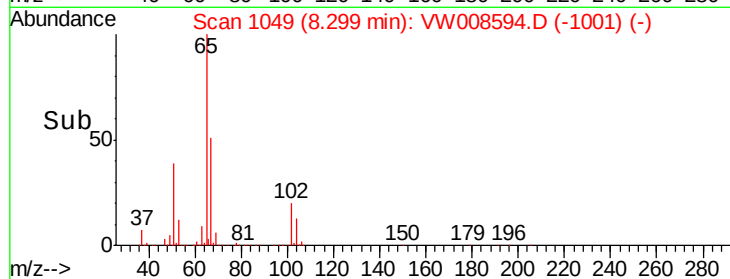
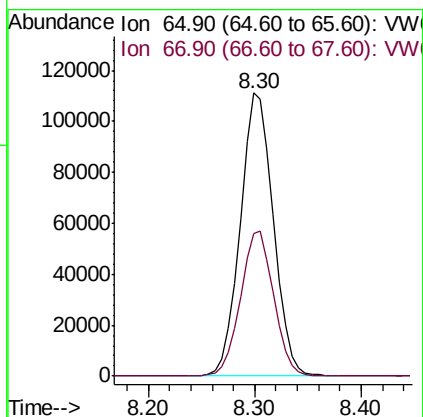
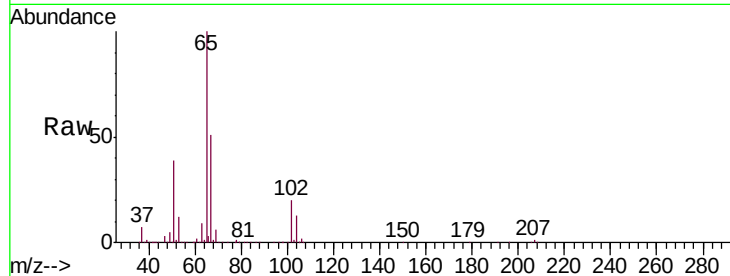




#33
 1,2-Dichloroethane-d4
 Concen: 55.079 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008594.D
 Acq: 11 Feb 2019 13:48

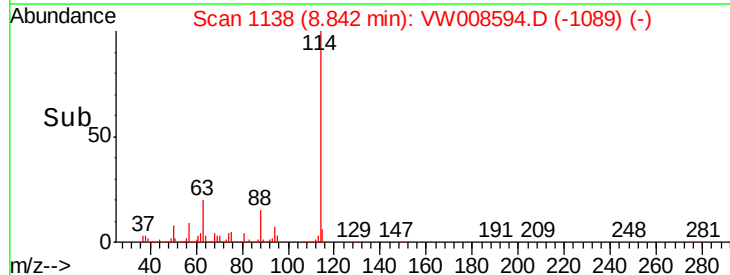
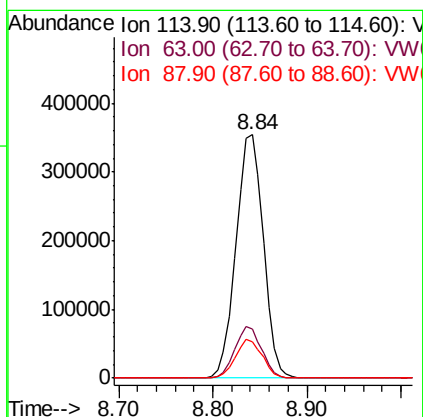
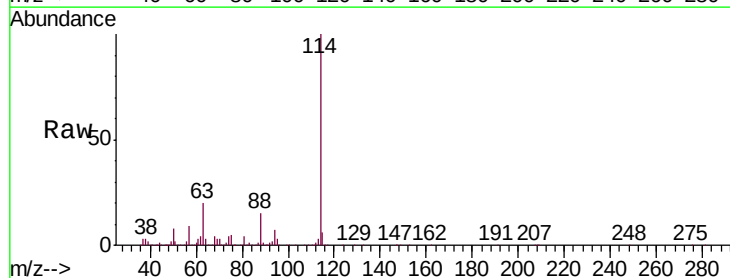
Instrument :
 MSVOA_W
 ClientSampleId :
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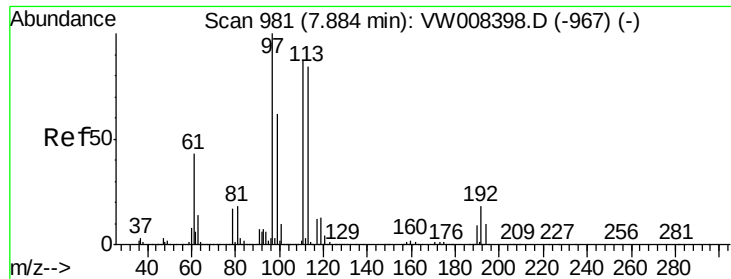
Tgt Ion: 65 Resp: 242951
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008594.D
 Acq: 11 Feb 2019 13:48

Tgt Ion: 114 Resp: 716444
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.6
 88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.362 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

VOC-12

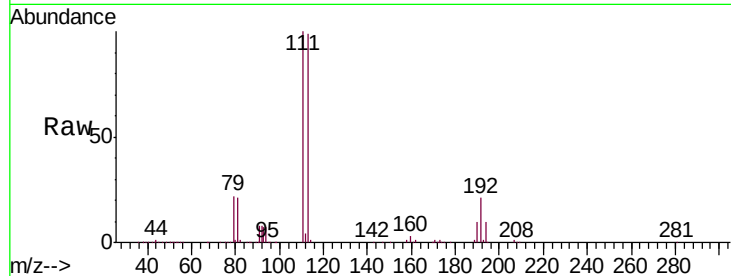
Tgt Ion:113 Resp: 227740

Ion Ratio Lower Upper

113 100

111 104.2 81.0 121.4

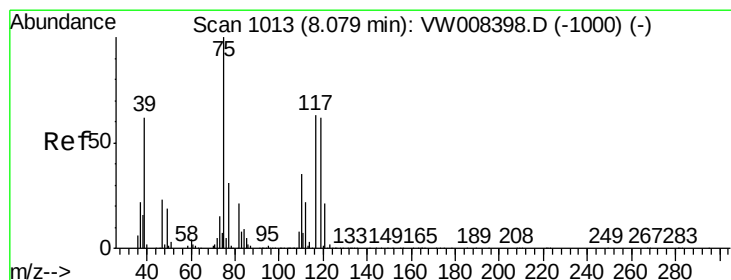
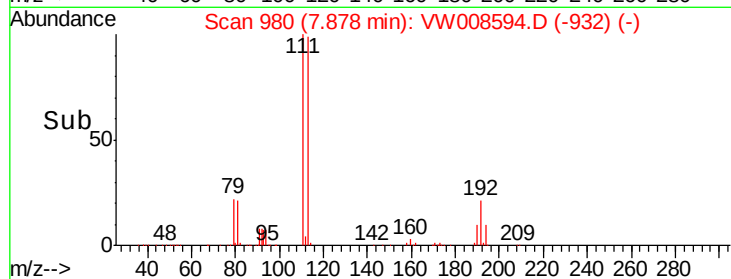
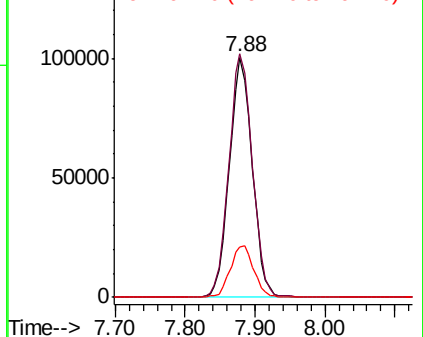
192 22.1 16.8 25.2



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: 4.994 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

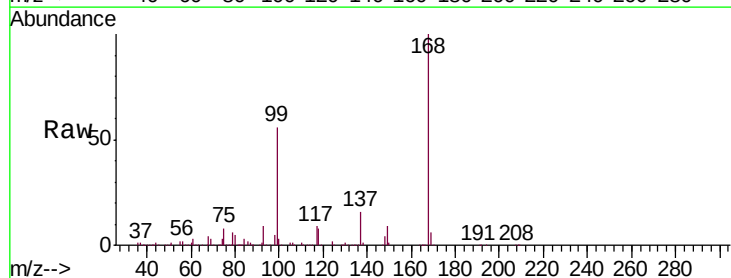
Tgt Ion: 75 Resp: 33795

Ion Ratio Lower Upper

75 100

110 9.5 17.3 52.0#

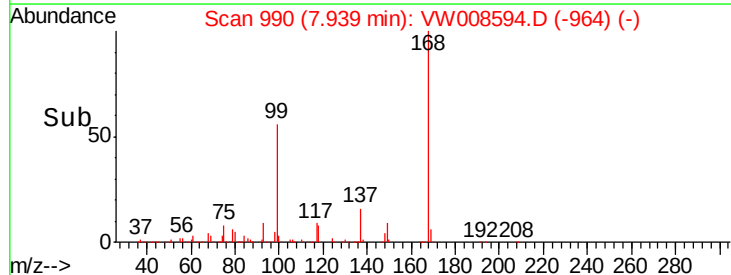
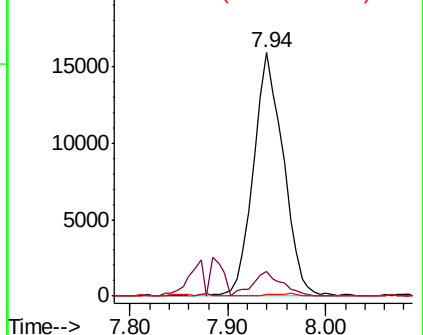
77 0.3 24.7 37.1#

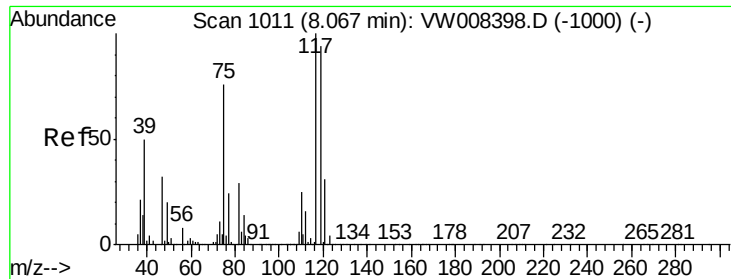


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

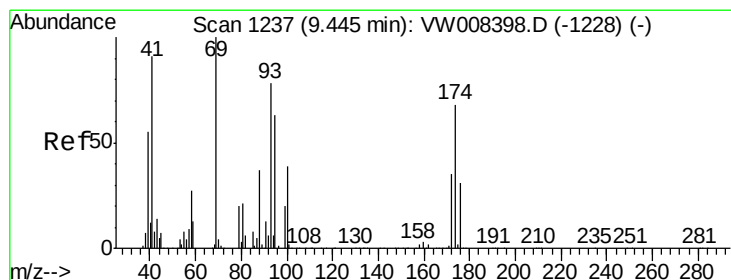
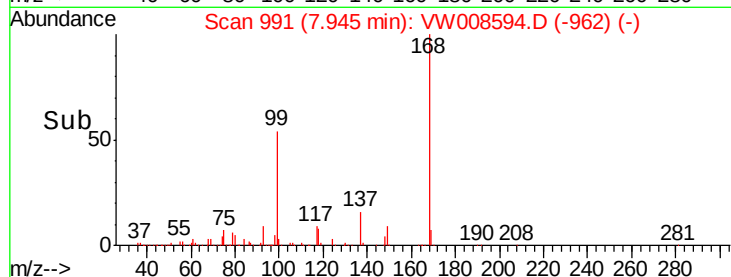
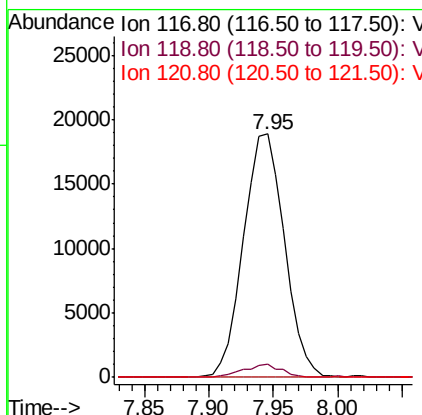
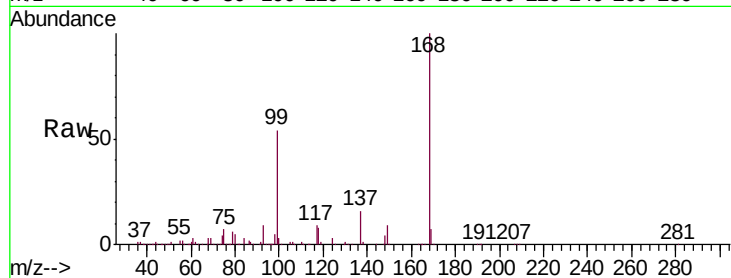




#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008594.D
Acq: 11 Feb 2019 13:48

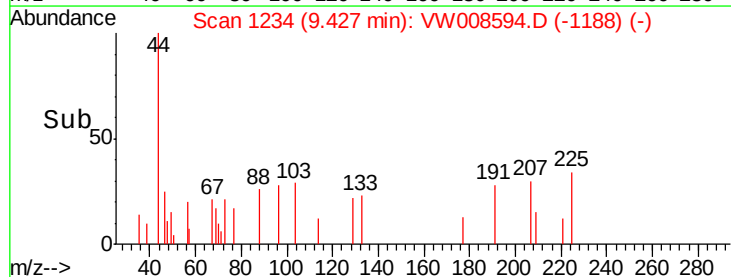
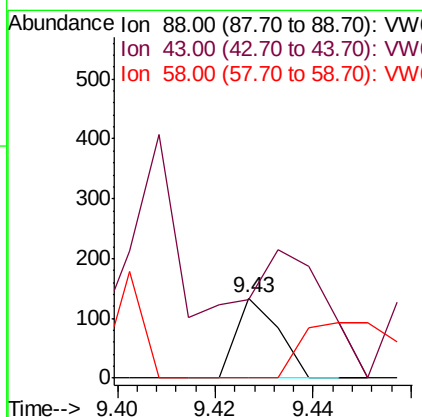
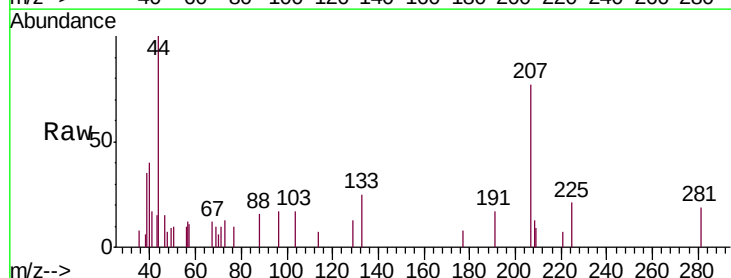
Instrument :
MSVOA_W
ClientSampled :
VOC-12

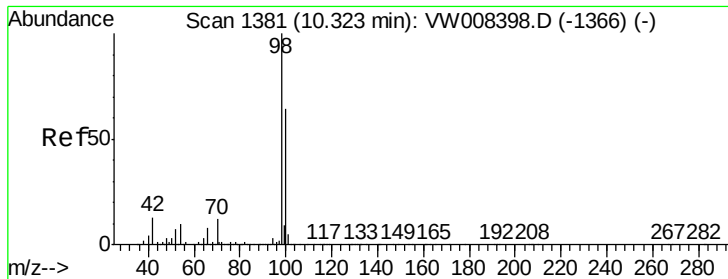
Tgt Ion:117 Resp: 41658
Ion Ratio Lower Upper
117 100
119 5.4 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 1.965 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW008594.D
Acq: 11 Feb 2019 13:48

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 286.3 29.0 43.4#
58 180.0 56.4 84.6#





#50

Toluene-d8

Concen: 50.494 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

Instrument :

MSVOA_W

ClientSampled :

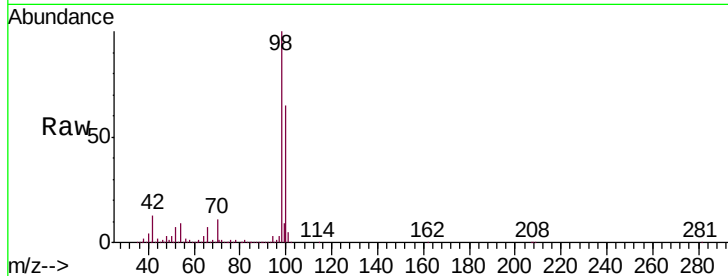
VOC-12

Tgt Ion: 98 Resp: 848259

Ion Ratio Lower Upper

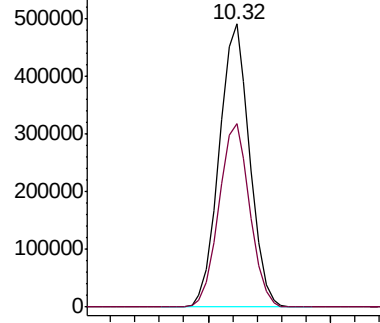
98 100

100 65.8 52.6 78.8

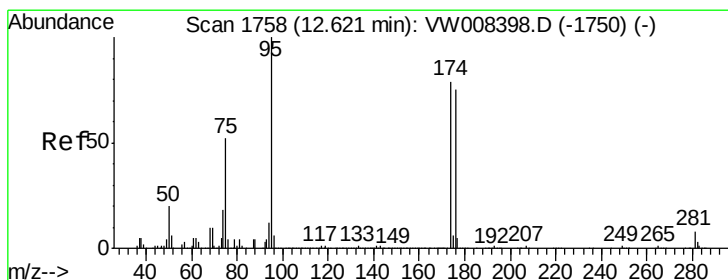
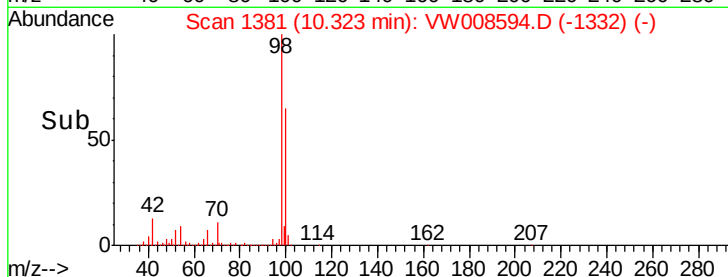


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 41.859 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

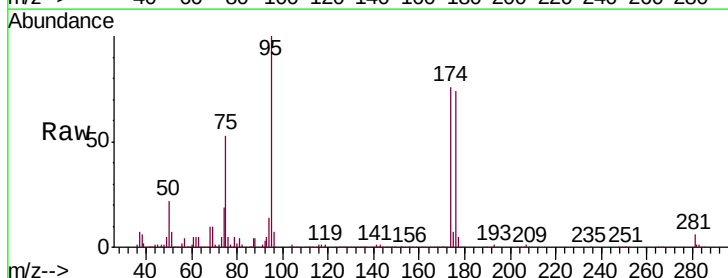
Tgt Ion: 95 Resp: 270301

Ion Ratio Lower Upper

95 100

174 84.6 0.0 157.6

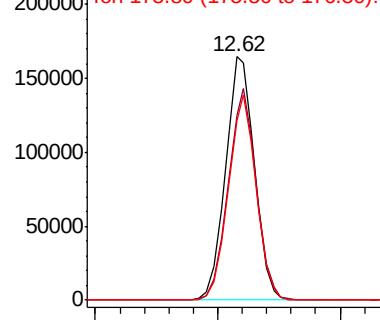
176 81.2 0.0 151.8



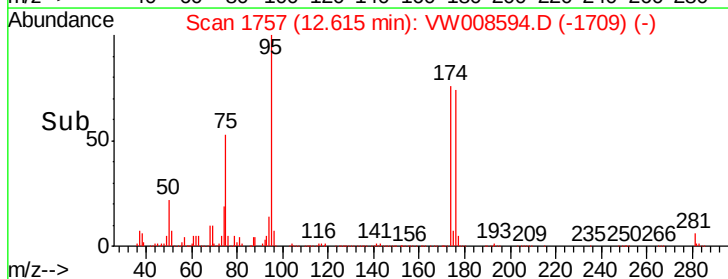
Abundance Ion 94.90 (94.60 to 95.60): VW

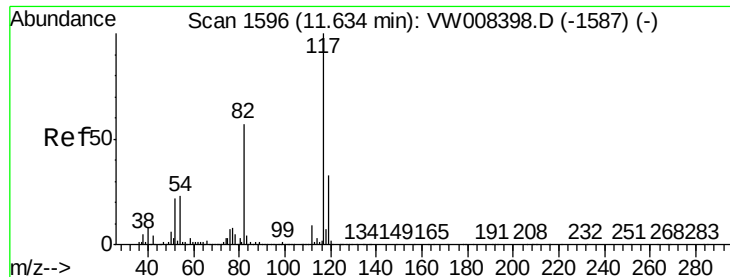
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

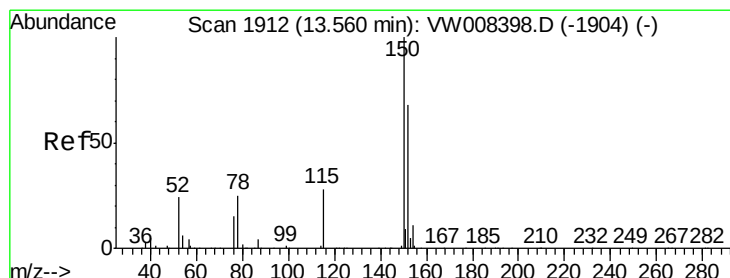
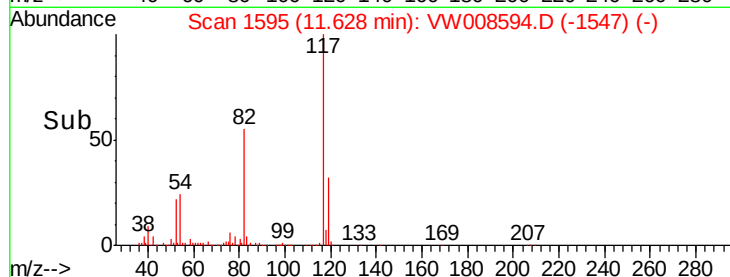
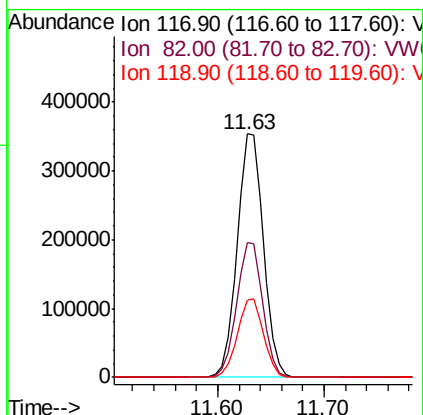
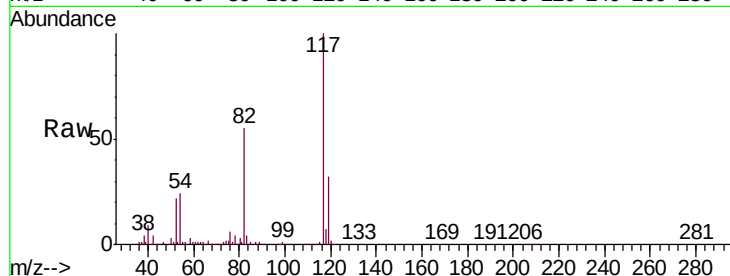
Instrument :

MSVOA_W

ClientSampleId :

VOC-12

Tgt Ion:	117	Resp:	612724
Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.0
119	31.7	26.2	39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

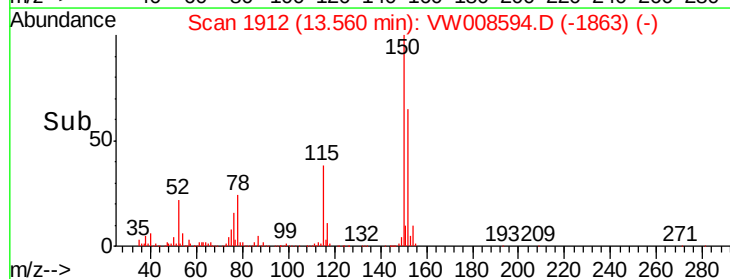
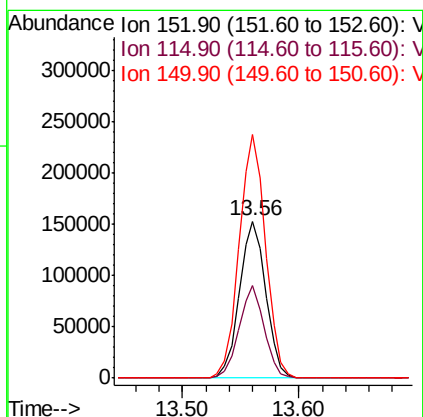
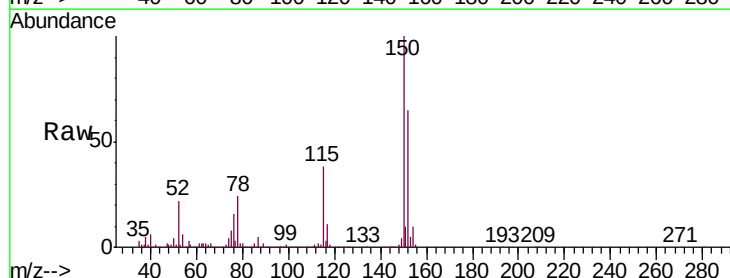
RT: 13.56 min Scan# 1912

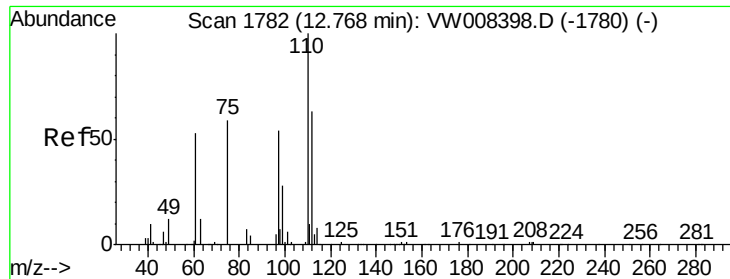
Delta R.T. 0.00 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

Tgt Ion:	152	Resp:	241484
Ion	Ratio	Lower	Upper
152	100		
115	56.3	29.9	89.7
150	154.5	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 67.974 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

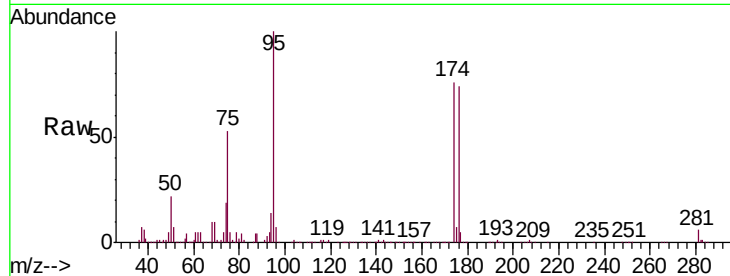
VOC-12

Tgt Ion: 75 Resp: 142713

Ion Ratio Lower Upper

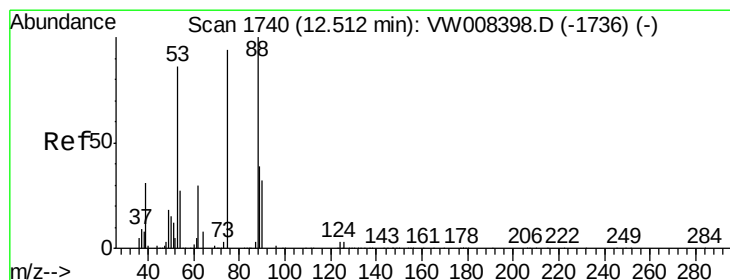
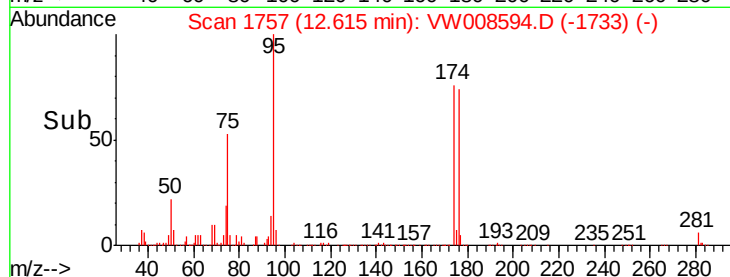
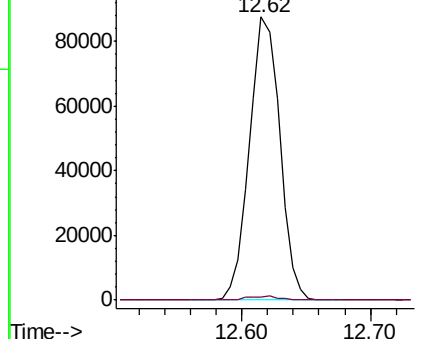
75 100

77 1.4 180.7 542.1#



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: 134.253 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008594.D

Acq: 11 Feb 2019 13:48

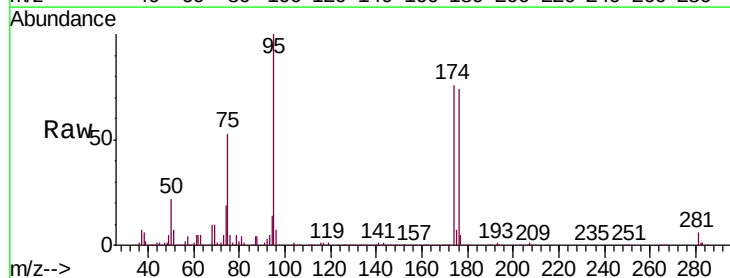
Tgt Ion: 75 Resp: 142713

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.2 35.4 53.0#



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

