

Data File : VW008806.D
Acq On : 25 Feb 2019 14:57
Operator : SY/VA
Sample : K1596-08
Misc : 5.79G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VOC-14

Quant Time: Feb 26 03:42:56 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	360014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	559313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	199554	59.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.20%	
35) Dibromofluoromethane	7.88	113	154461	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
50) Toluene-d8	10.32	98	645505	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.62	95	204241	40.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.48%	

Target Compounds

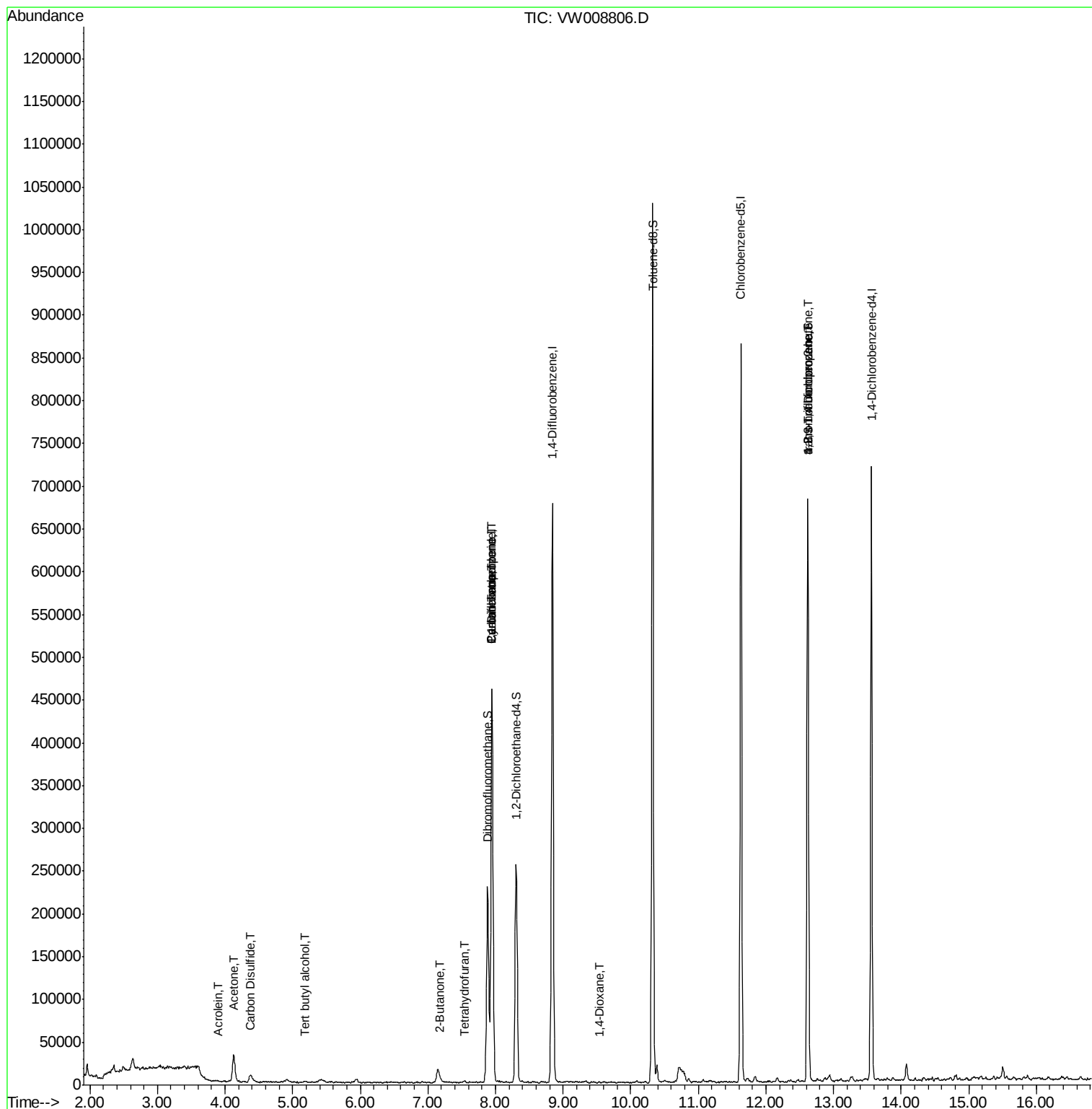
						Qvalue
11) Tert butyl alcohol	5.18	59	1946	6.474	ug/l #	83
13) Acrolein	3.91	56	229	20.445	ug/l #	79
16) Acetone	4.13	43	53995	68.988	ug/l	100
17) Carbon Disulfide	4.38	76	15174	1.451	ug/l	99
20) Methylene Chloride	4.91	84	1724	Below Cal	#	46
25) 2-Butanone	7.18	43	5446	4.977	ug/l	96
29) Tetrahydrofuran	7.53	42	1668	2.392	ug/l #	77
31) Cyclohexane	7.94	56	7925	1.245	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	27116	4.980	ug/l #	50
38) Carbon Tetrachloride	7.95	117	35717	6.220	ug/l #	16
49) 1,4-Dioxane	9.54	88	117	3.576	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	105640	69.241	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	105640	168.331	ug/l #	6

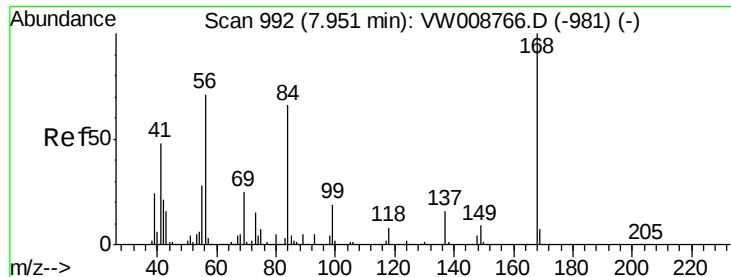
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008806.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_W

ClientSampled :

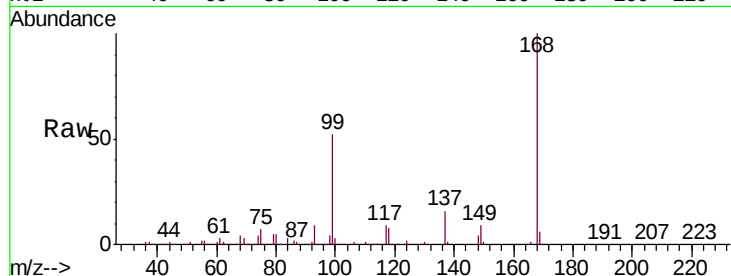
VOC-14

Tgt Ion:168 Resp: 360014

Ion Ratio Lower Upper

168 100

99 51.6 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

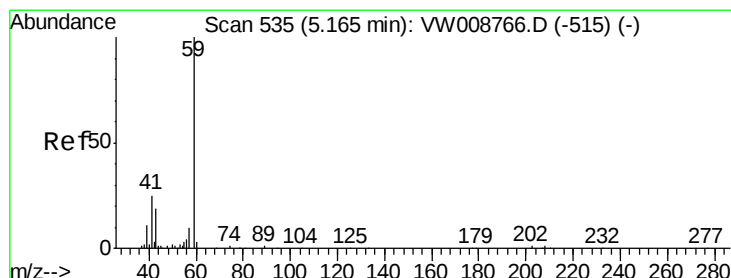
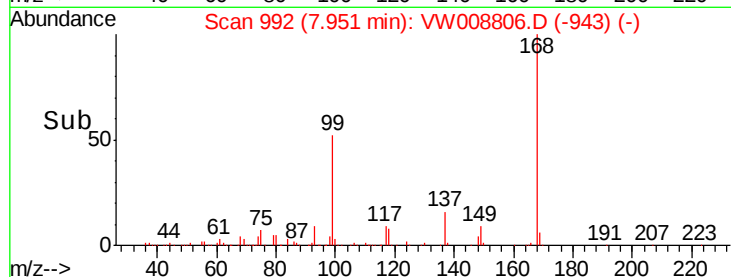
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 6.474 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW008806.D

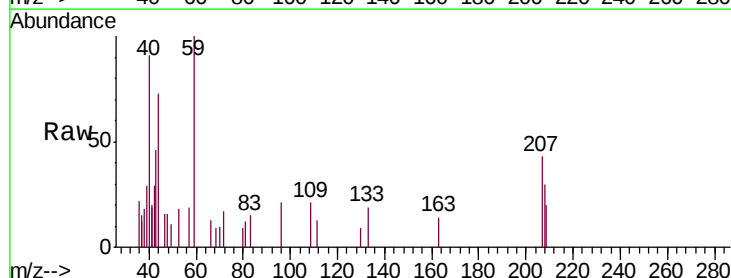
Acq: 25 Feb 2019 14:57

Tgt Ion: 59 Resp: 1946

Ion Ratio Lower Upper

59 100

57 18.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

600

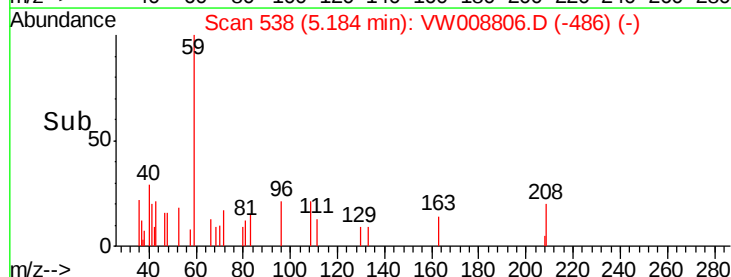
400

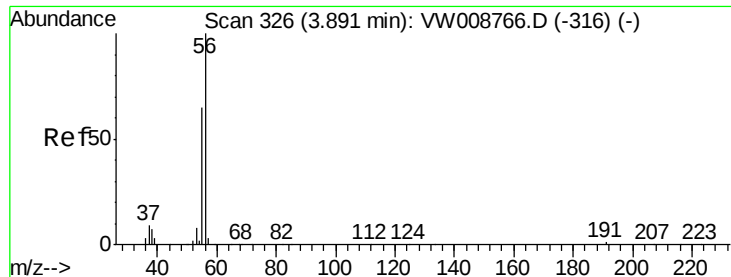
200

0

5.10 5.15 5.20 5.25

Time-->





#13

Acrolein

Concen: 20.445 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008806.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_W

ClientSampled :

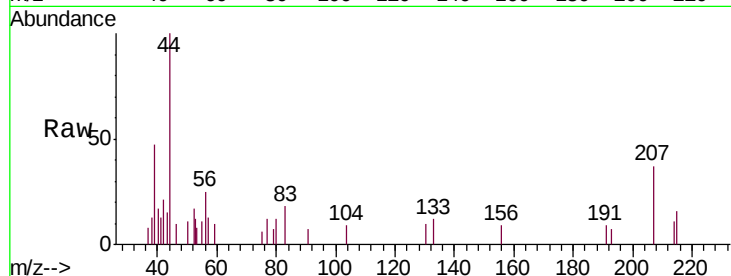
VOC-14

Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

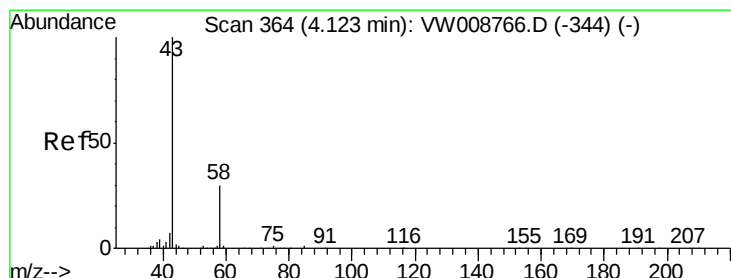
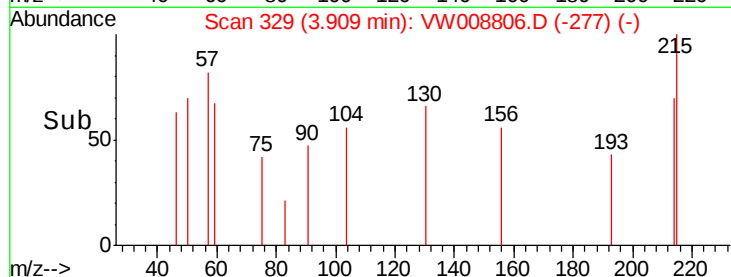
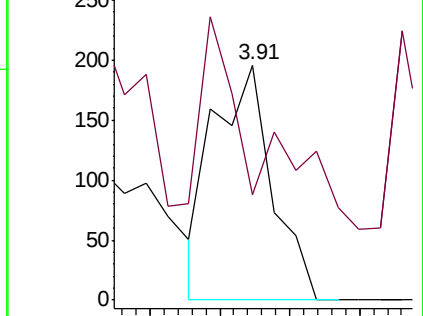
56 100

55 88.2 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: 68.988 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008806.D

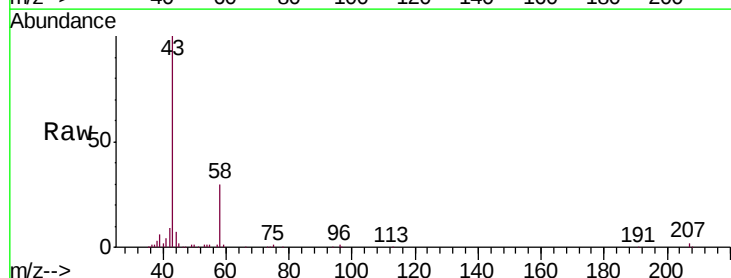
Acq: 25 Feb 2019 14:57

Tgt Ion: 43 Resp: 53995

Ion Ratio Lower Upper

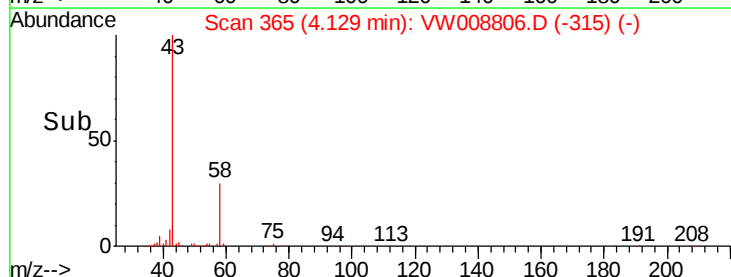
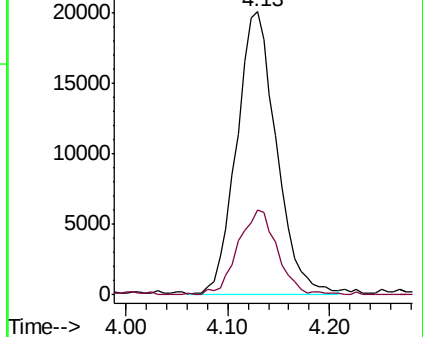
43 100

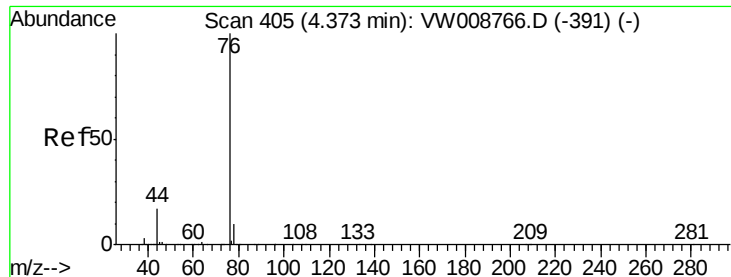
58 29.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

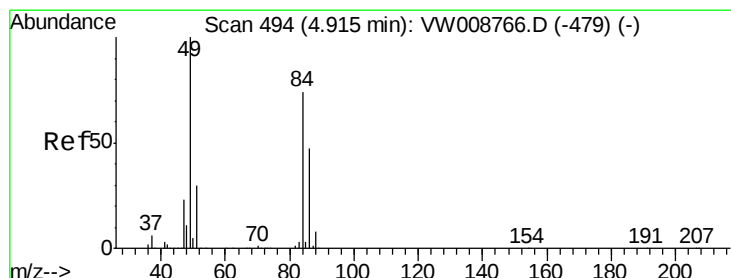
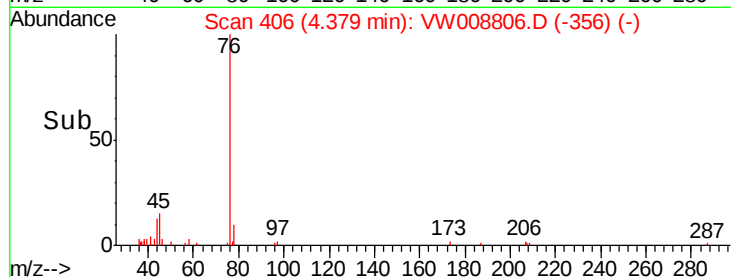
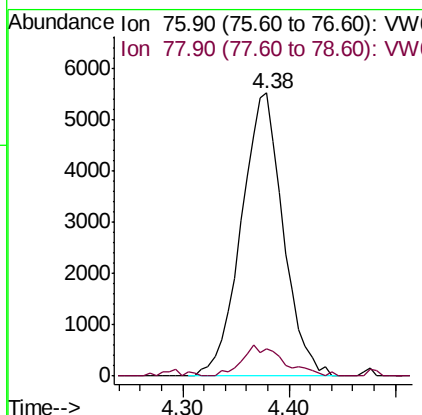
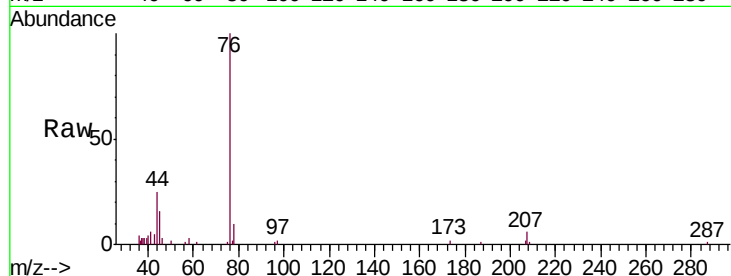




#17
Carbon Disulfide
Concen: 1.451 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

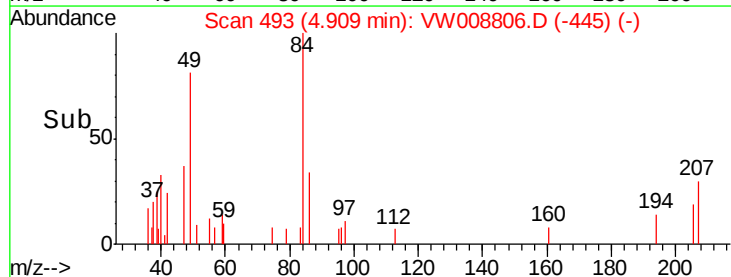
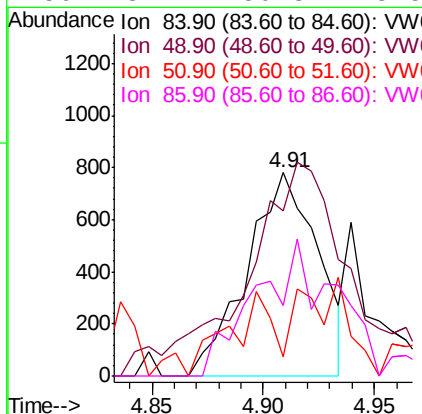
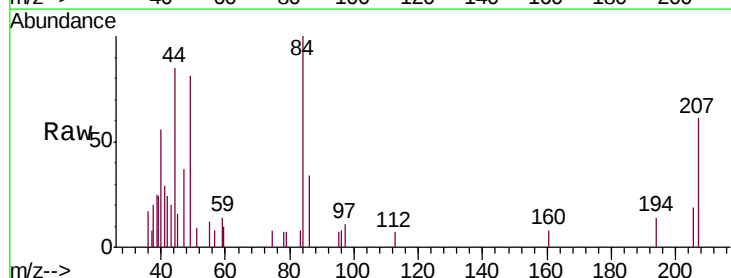
Instrument :
MSVOA_W
ClientSampled :
VOC-14

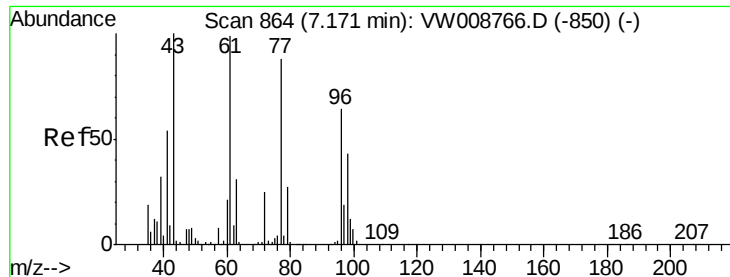
Tgt Ion: 76 Resp: 15174
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

Tgt Ion: 84 Resp: 1724
Ion Ratio Lower Upper
84 100
49 60.2 108.2 162.2#
51 9.2 32.7 49.1#
86 34.4 50.3 75.5#





#25

2-Butanone

Concen: 4.977 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008806.D

Acq: 25 Feb 2019 14:57

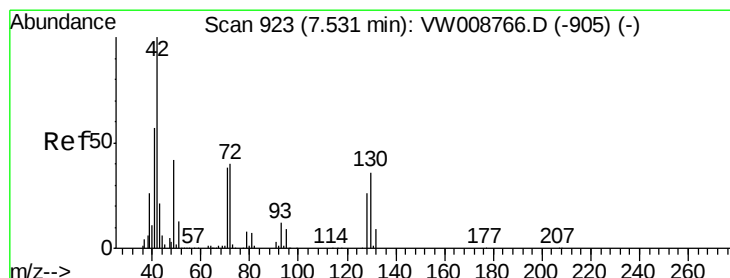
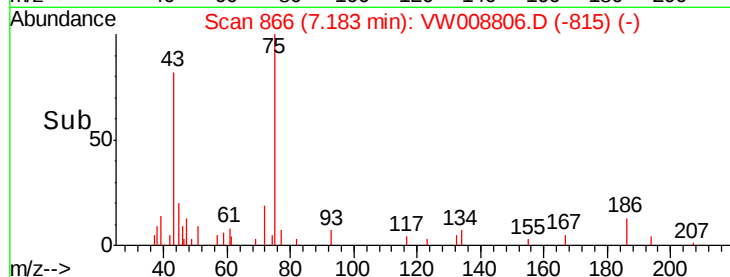
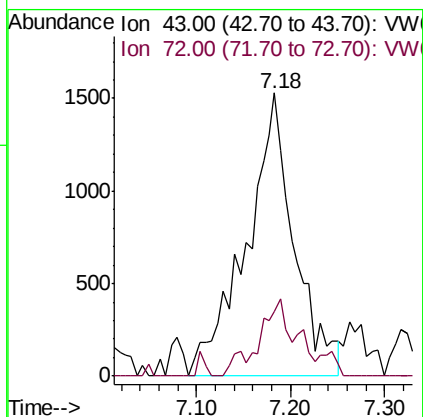
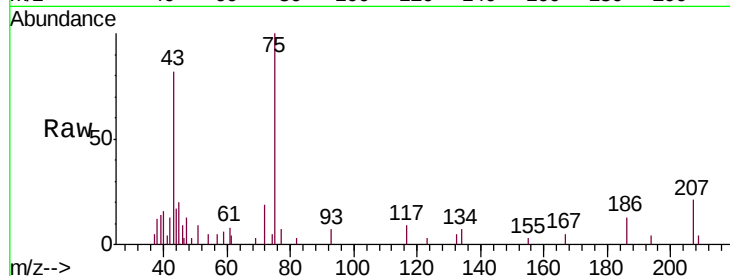
Instrument :
MSVOA_W
ClientSampled :
VOC-14

Tgt Ion: 43 Resp: 5446

Ion Ratio Lower Upper

43 100

72 22.8 19.7 29.5



#29

Tetrahydrofuran

Concen: 2.392 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008806.D

Acq: 25 Feb 2019 14:57

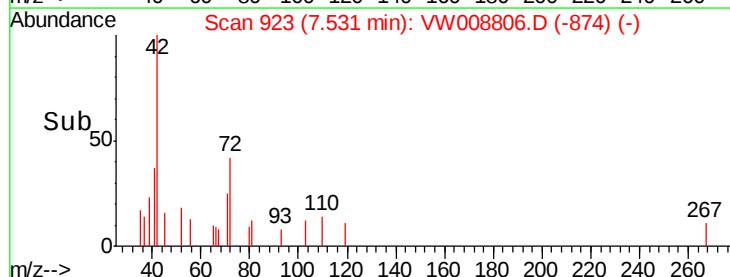
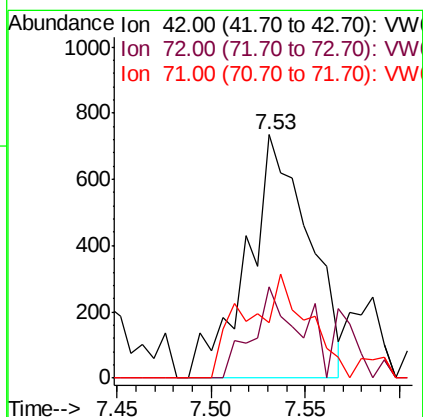
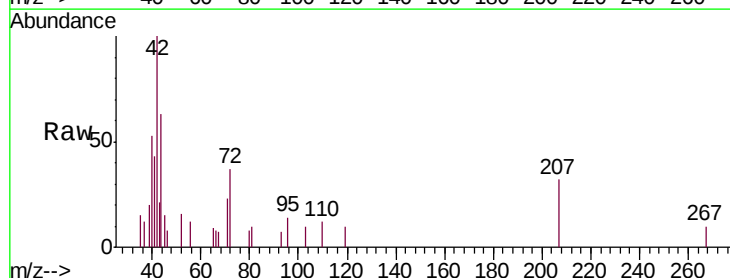
Tgt Ion: 42 Resp: 1668

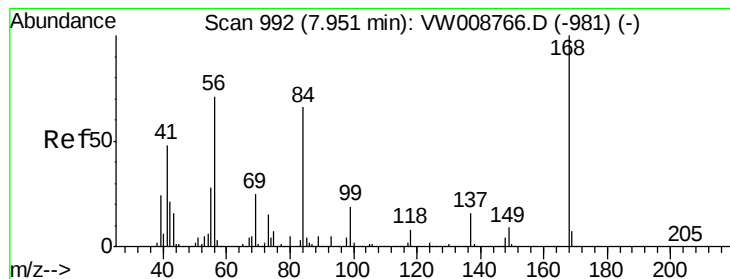
Ion Ratio Lower Upper

42 100

72 28.7 32.7 49.1#

71 22.8 31.3 46.9#





#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008806.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_W

ClientSampled :

VOC-14

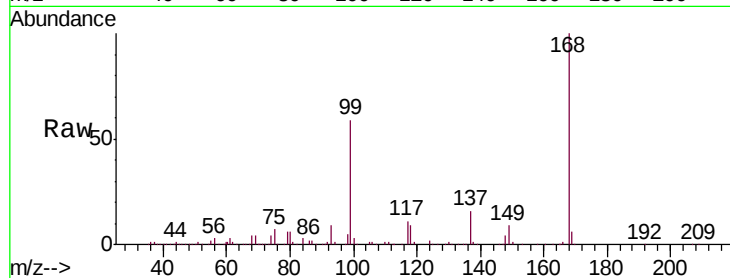
Tgt Ion: 56 Resp: 7925

Ion Ratio Lower Upper

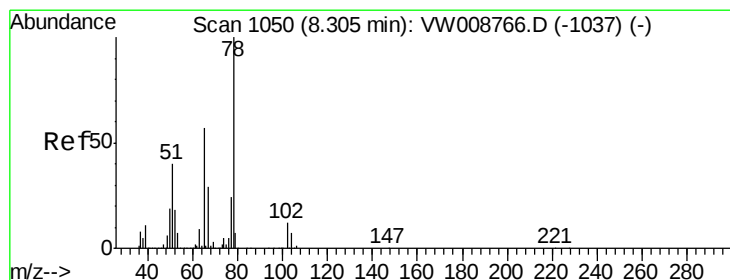
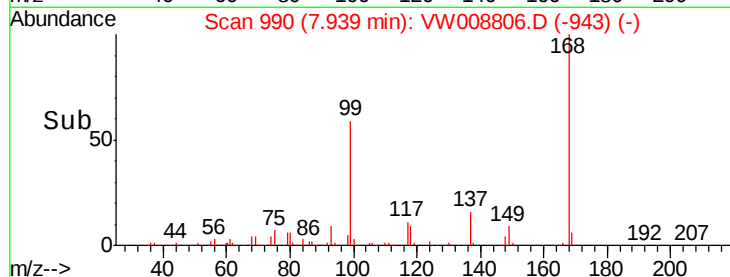
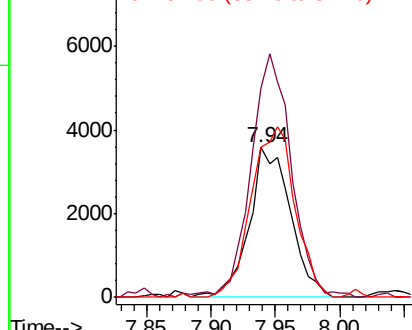
56 100

69 137.9 28.2 42.4#

84 99.7 74.1 111.1



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: 59.099 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008806.D

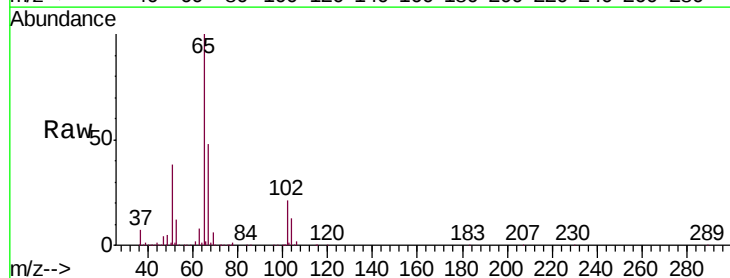
Acq: 25 Feb 2019 14:57

Tgt Ion: 65 Resp: 199554

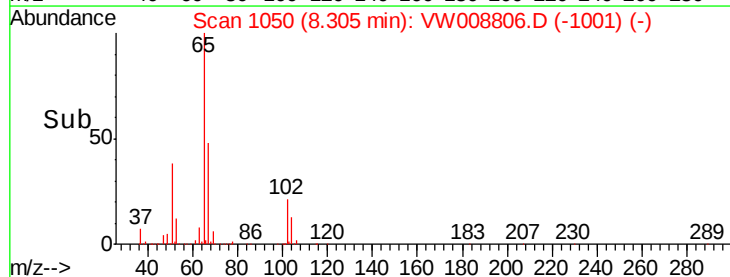
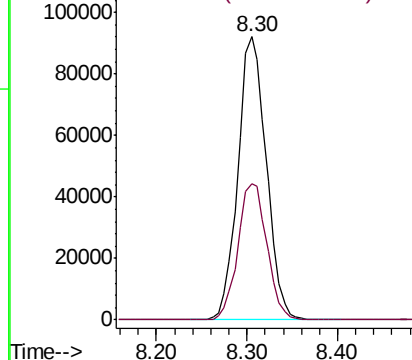
Ion Ratio Lower Upper

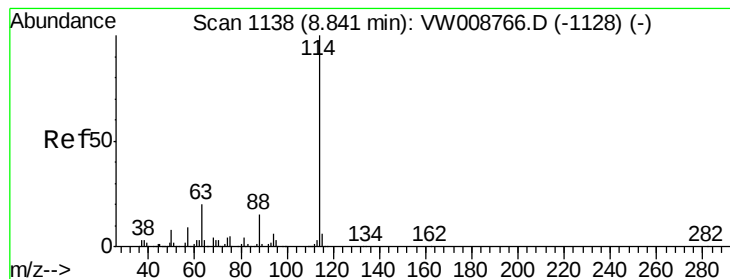
65 100

67 49.3 0.0 101.4



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: VW008806.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VOC-14

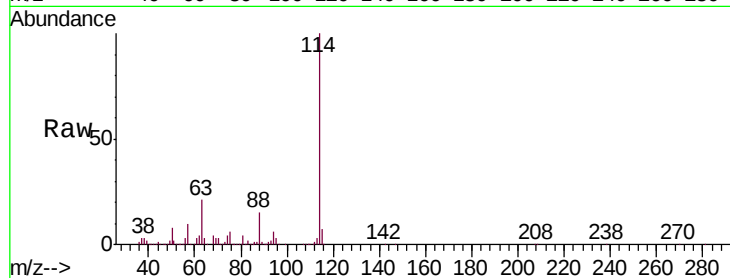
Tgt Ion:114 Resp: 559313

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

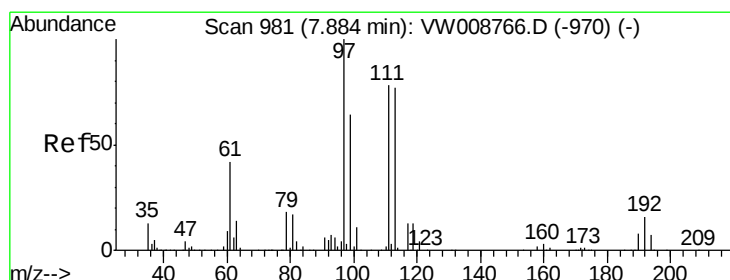
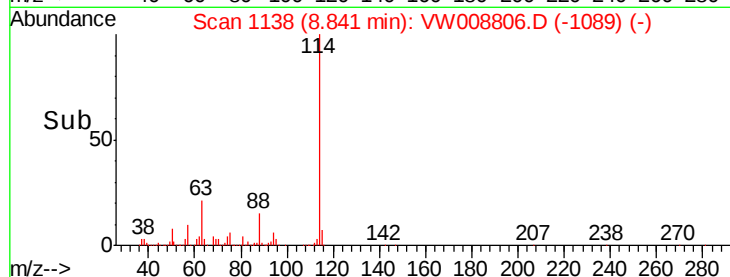
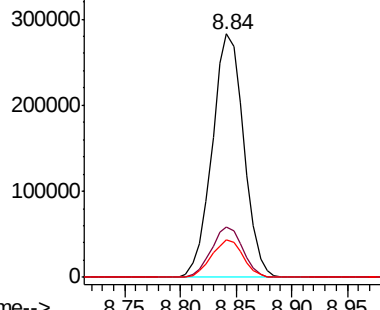
88 15.3 0.0 30.4



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: 45.996 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008806.D

Acq: 25 Feb 2019 14:57

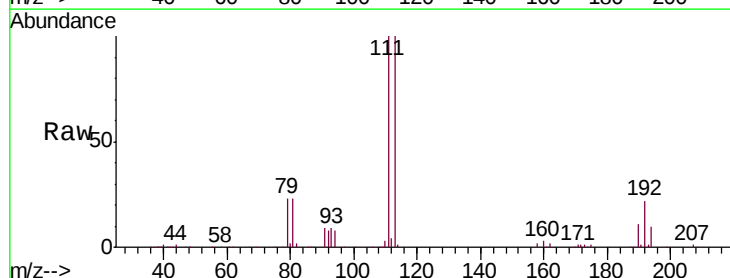
Tgt Ion:113 Resp: 154461

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

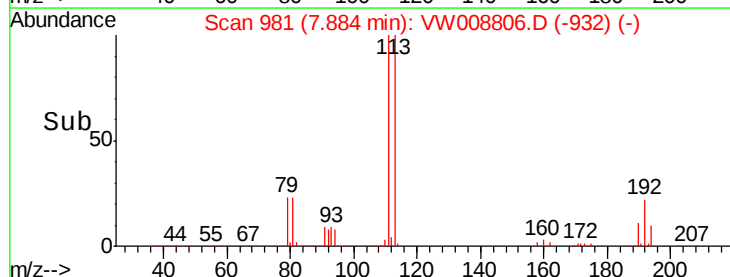
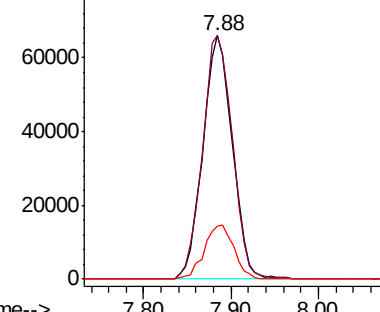
192 22.2 17.1 25.7

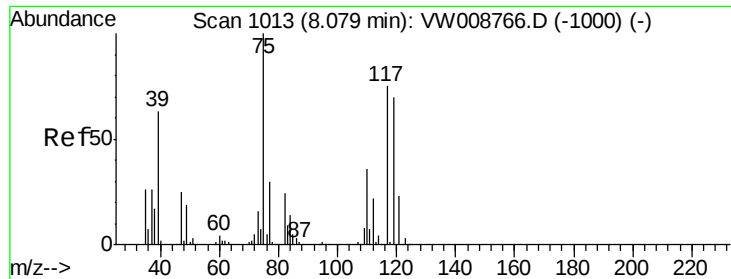


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

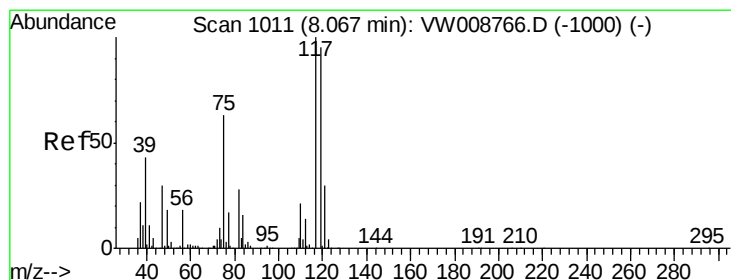
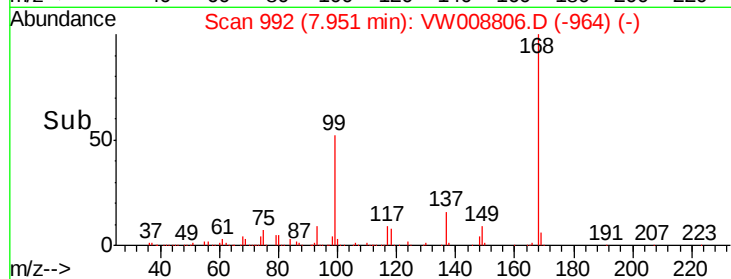
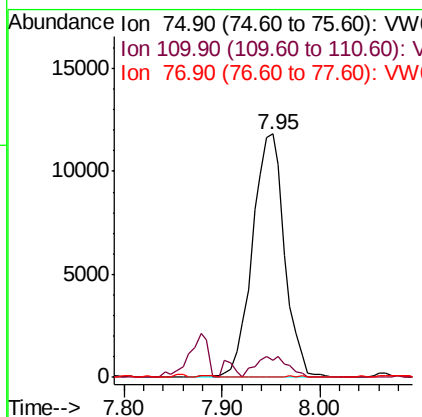
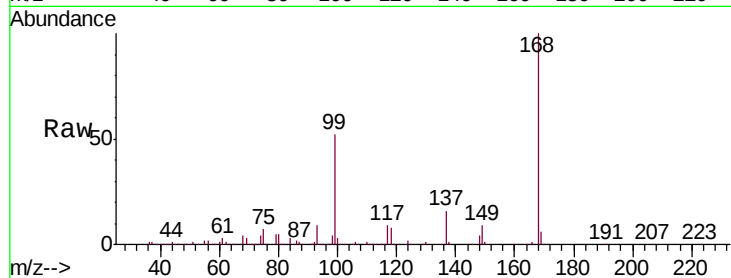




#36
 1,1-Dichloropropene
 Concen: 4.980 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008806.D
 Acq: 25 Feb 2019 14:57

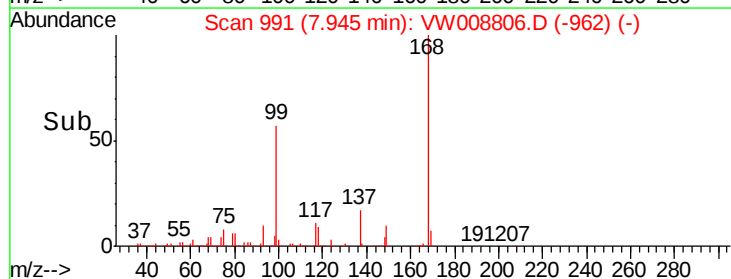
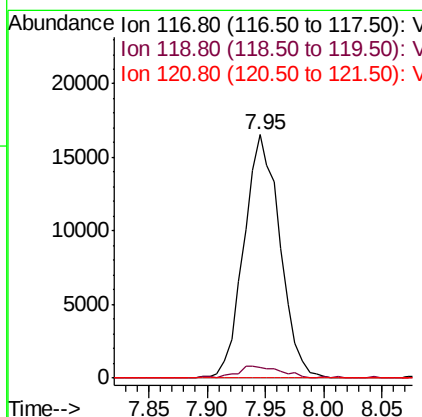
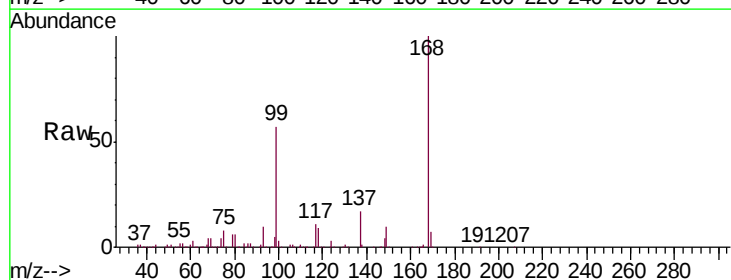
Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-14

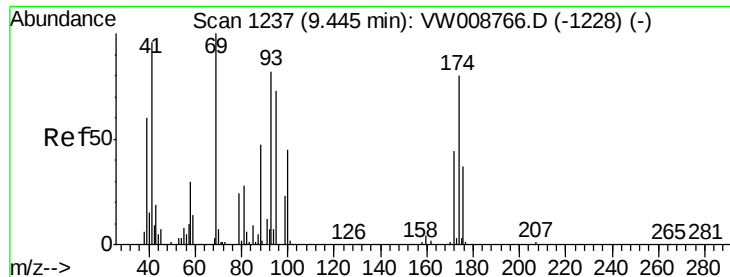
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.6#
77	0.1	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.220 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008806.D
 Acq: 25 Feb 2019 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.3	24.0	36.0#

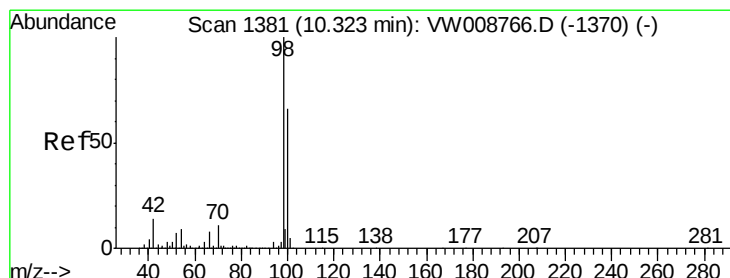
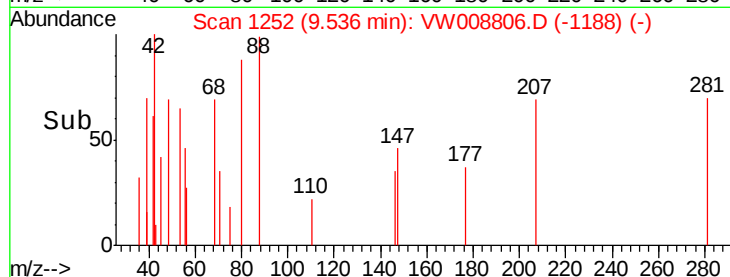
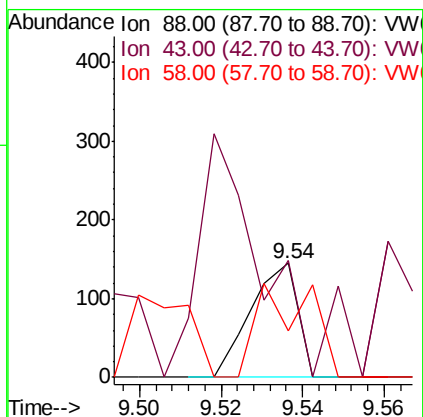
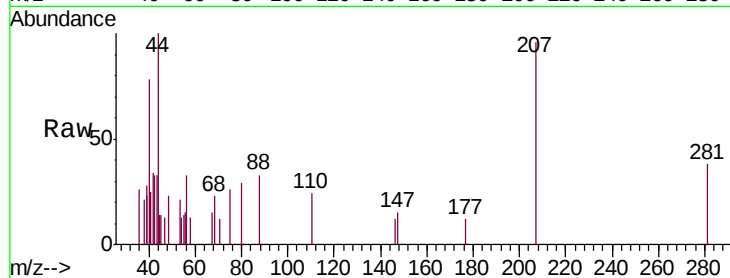




#49
1,4-Dioxane
Concen: 3.576 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.09 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

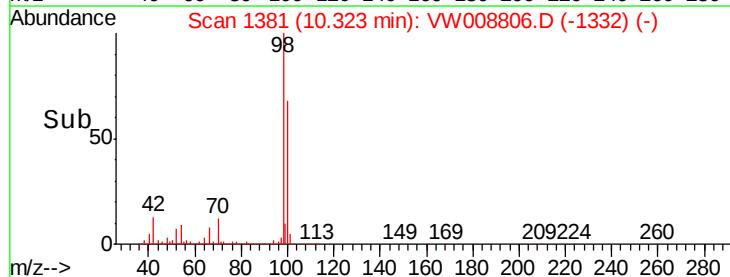
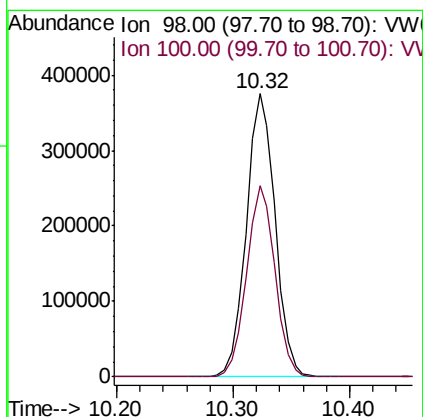
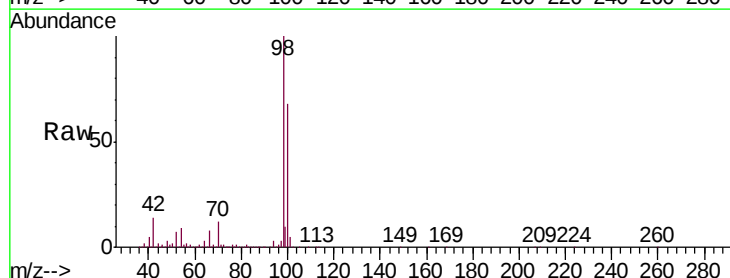
Instrument :
MSVOA_W
ClientSampleId :
VOC-14

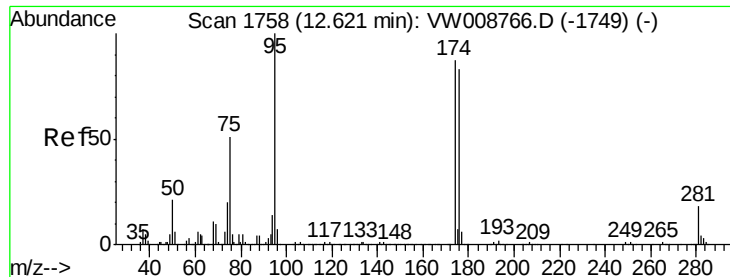
Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 270.1 29.0 43.4#
58 92.3 52.0 78.0#



#50
Toluene-d8
Concen: 49.794 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

Tgt Ion: 98 Resp: 645505
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

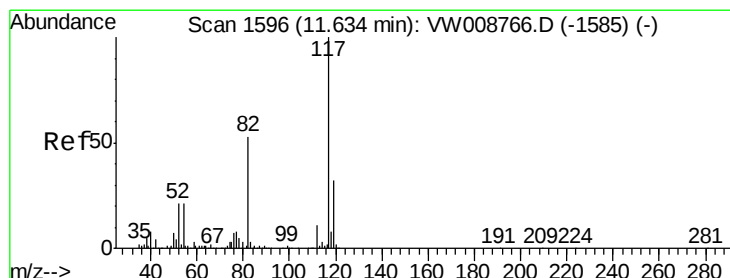
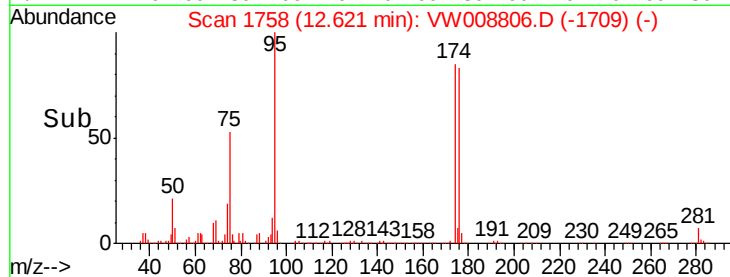
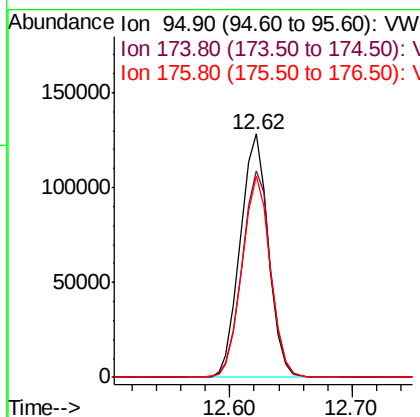
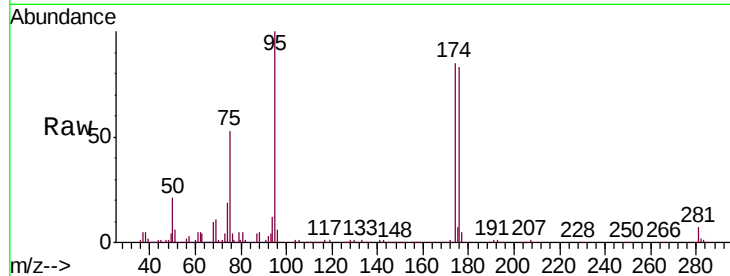




#62
4-Bromofluorobenzene
Concen: 40.238 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

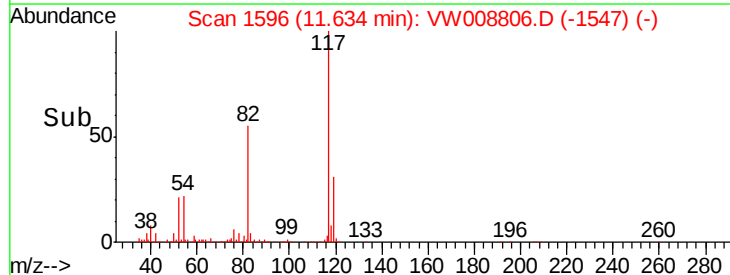
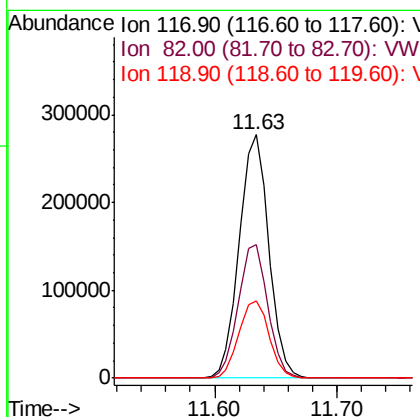
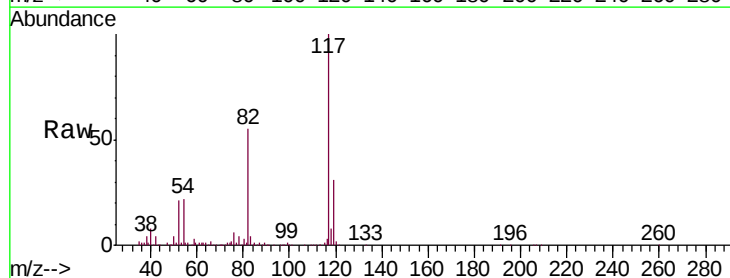
Instrument :
MSVOA_W
ClientSampleId :
VOC-14

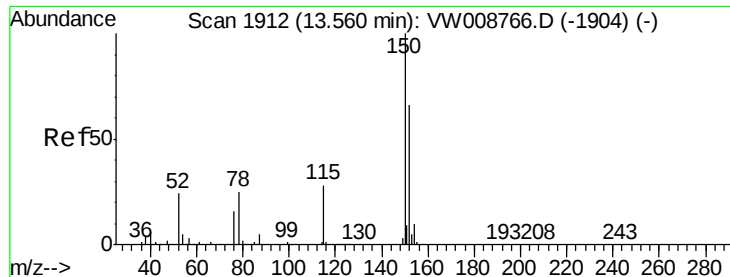
Tgt Ion: 95 Resp: 204241
Ion Ratio Lower Upper
95 100
174 86.1 0.0 169.2
176 83.2 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

Tgt Ion: 117 Resp: 464810
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 31.5 25.9 38.9



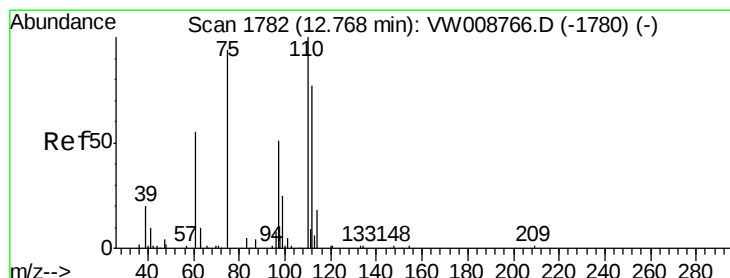
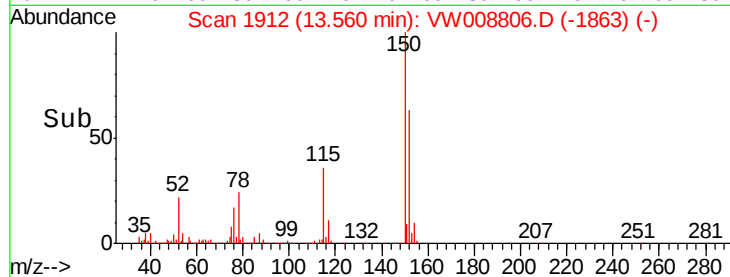
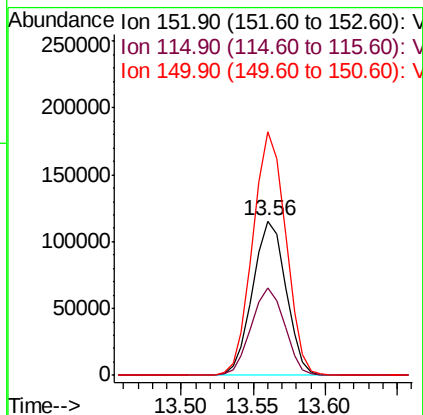
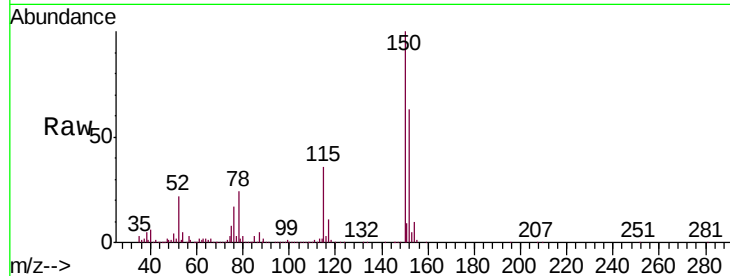


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VOC-14

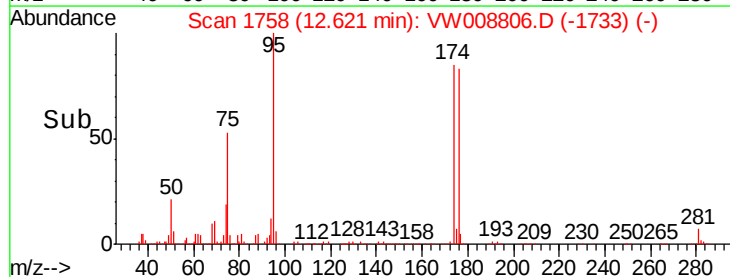
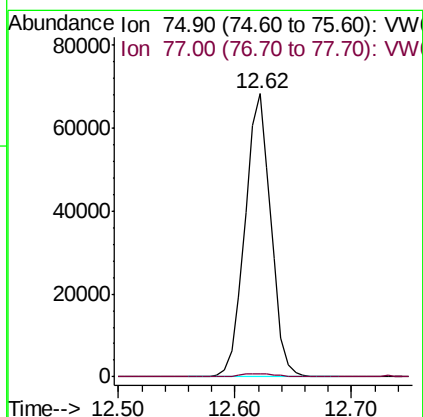
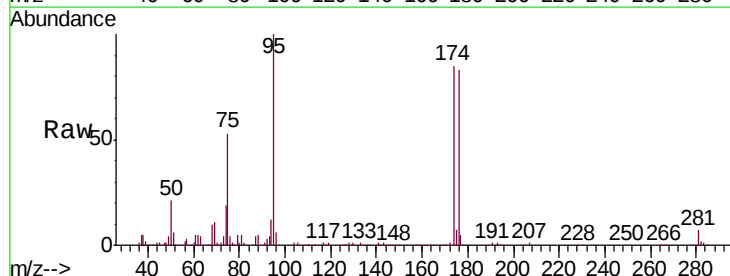
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.6	85.8
150	156.4	0.0	348.0

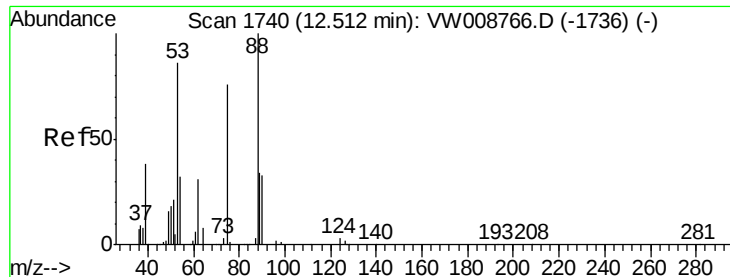


#76

1,2,3-Trichloropropane
Concen: 69.241 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008806.D
Acq: 25 Feb 2019 14:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 168.331 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008806.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VOC-14

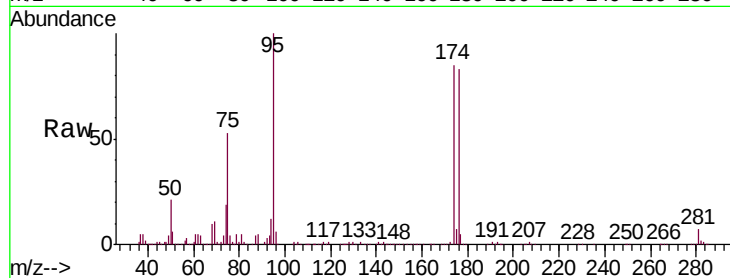
Tgt Ion: 75 Resp: 105640

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.2 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

