

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007687.D
 Acq On : 19 Dec 2018 05:50
 Operator : SY/AP
 Sample : J6386-10
 Misc : 6.12G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 19 06:40:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	30346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	59977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	45539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14277	50.00	ug/l	0.00

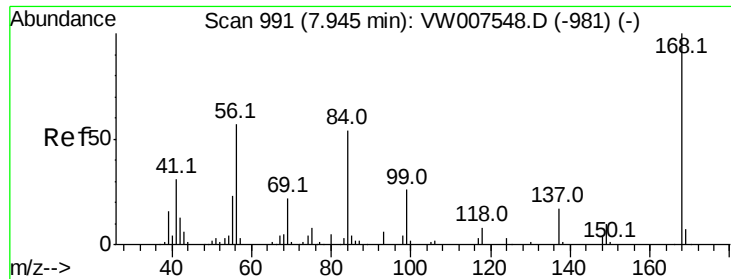
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	29512	87.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.32%	
35) Dibromofluoromethane	7.88	113	21879	60.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.52%	
50) Toluene-d8	10.32	98	56646	41.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.22%	
62) 4-Bromofluorobenzene	12.62	95	16692	33.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.70%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.68	74	257	1.752	ug/l	86
11) Tert butyl alcohol	5.18	59	120	5.190	ug/l #	74
16) Acetone	4.12	43	26446	449.721	ug/l	99
18) Methyl Acetate	4.67	43	708	4.436	ug/l #	77
20) Methylene Chloride	4.91	84	4600	11.270	ug/l	98
25) 2-Butanone	7.17	43	1589	20.698	ug/l #	79
29) Tetrahydrofuran	7.54	42	201	4.136	ug/l #	49
31) Cyclohexane	7.95	56	612	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	2371	4.334	ug/l #	47
37) Ethyl Acetate	7.17	43	1589	7.808	ug/l #	66
38) Carbon Tetrachloride	7.95	117	3268	5.489	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	287	1.511	ug/l #	34
59) 2-Hexanone	10.97	43	252	1.990	ug/l #	62
76) 1,2,3-Trichloropropane	12.62	75	8726	74.126	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	8726	163.746	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.35	75	49	1.507	ug/l #	3

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007687.D

Acq: 19 Dec 2018 05:50

Instrument :

MSVOA_D

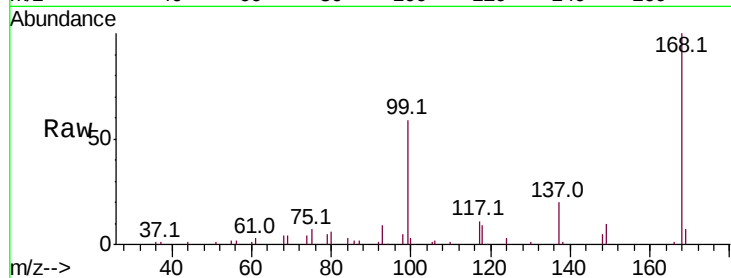
ClientSampleId :

Tot Ion:168 Resp: 30346

Ion Ratio Lower Upper

168 100

99 58.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

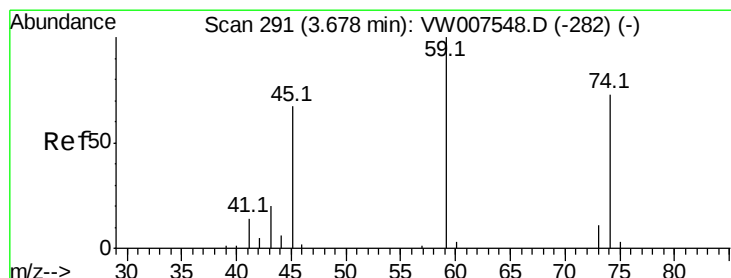
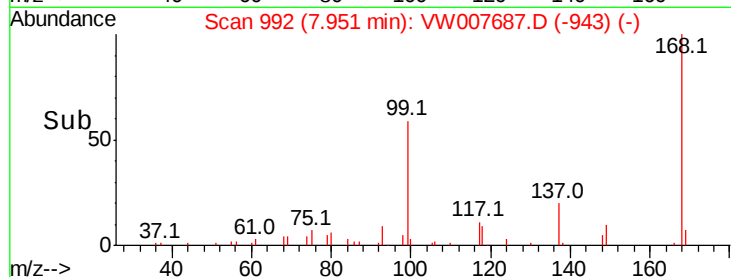
15000

10000

5000

0

Time--> 7.85 7.90 7.95 8.00



#8

Diethyl Ether

Concen: 1.752 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007687.D

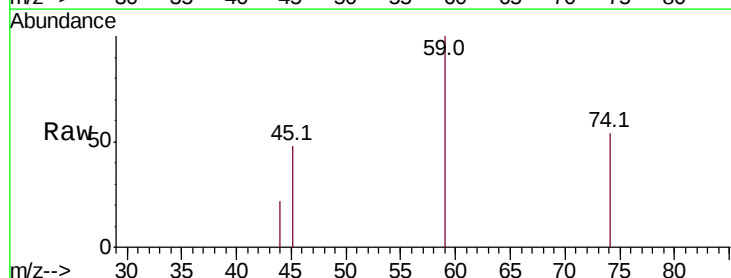
Acq: 19 Dec 2018 05:50

Tgt Ion: 74 Resp: 257

Ion Ratio Lower Upper

74 100

45 99.2 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

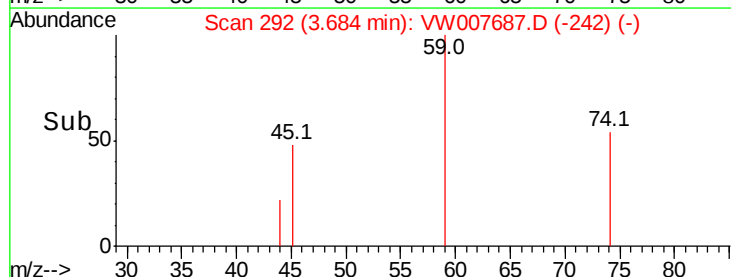
150

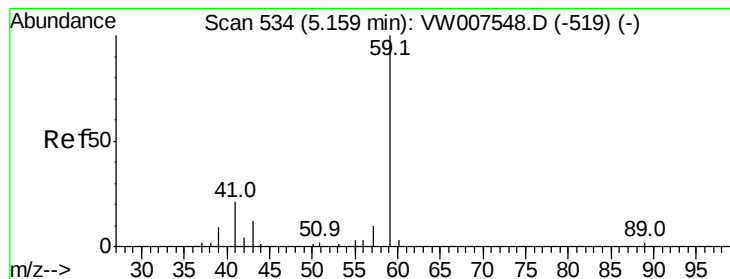
100

50

0

Time--> 3.65 3.70



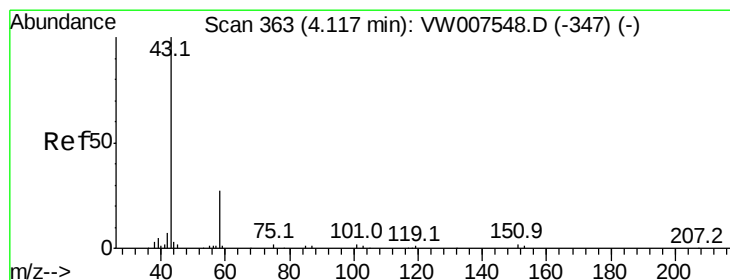
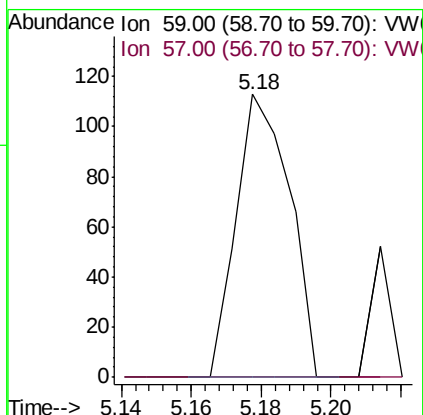
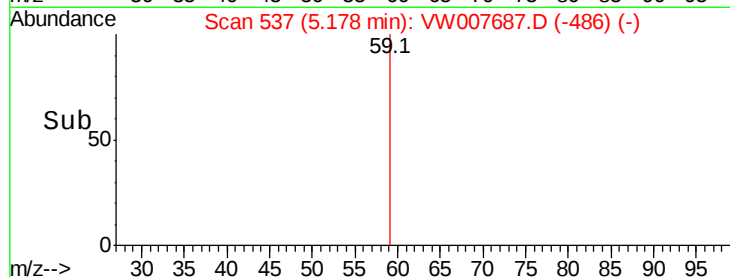
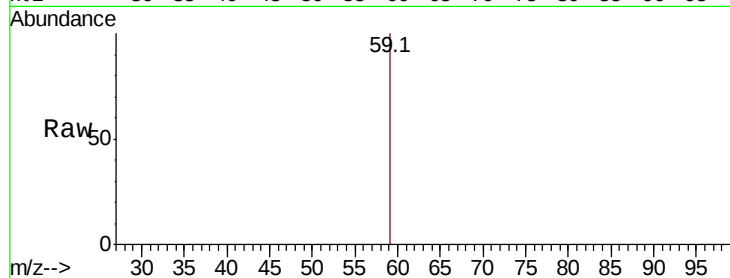


#11

Tert butyl alcohol
 Concen: 5.190 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007687.D
 Acq: 19 Dec 2018 05:50

Instrument :
 MSVOA_D
 ClientSampled :

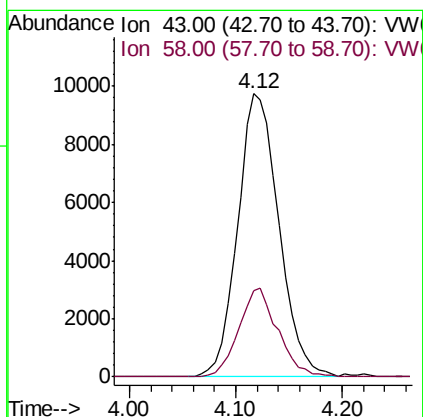
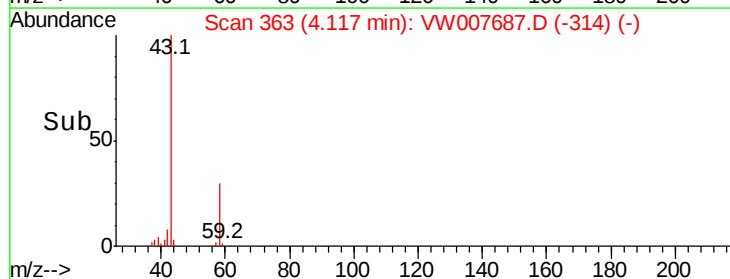
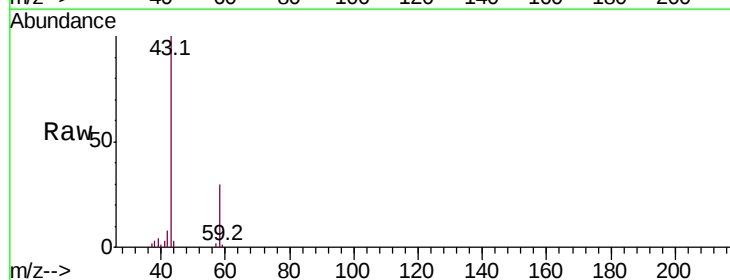
Tot Ion: 59 Resp: 120
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

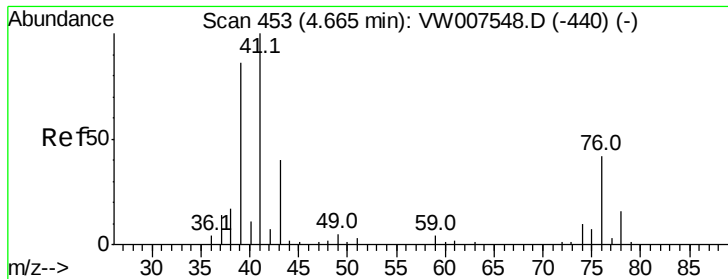


#16

Acetone
 Concen: 449.721 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW007687.D
 Acq: 19 Dec 2018 05:50

Tgt Ion: 43 Resp: 26446
 Ion Ratio Lower Upper
 43 100
 58 30.3 24.9 37.3

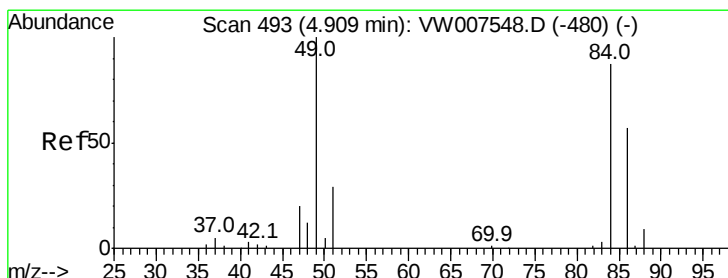
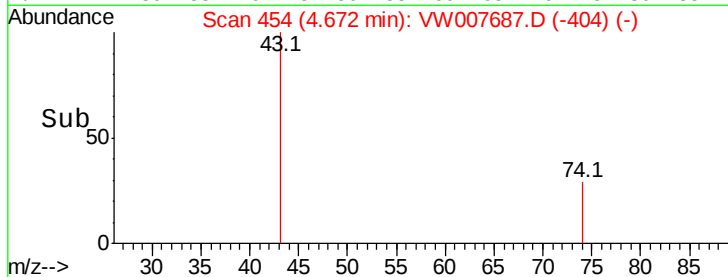
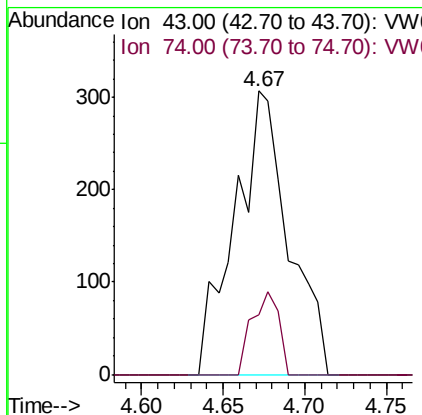
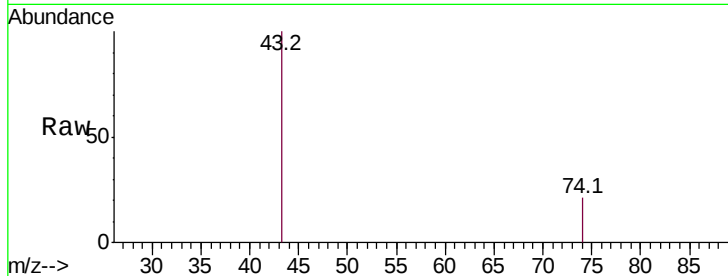




#18
Methyl Acetate
Concen: 4.436 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

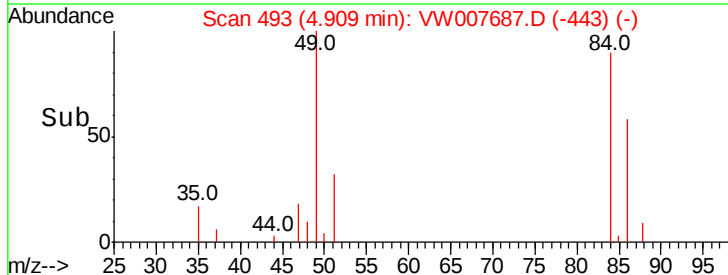
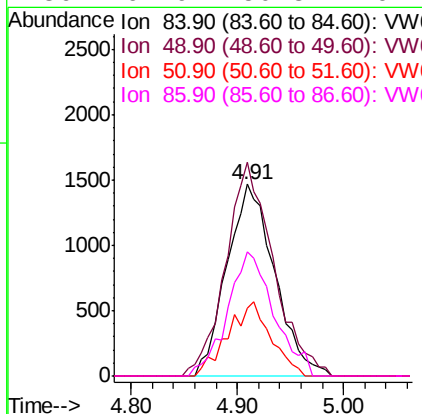
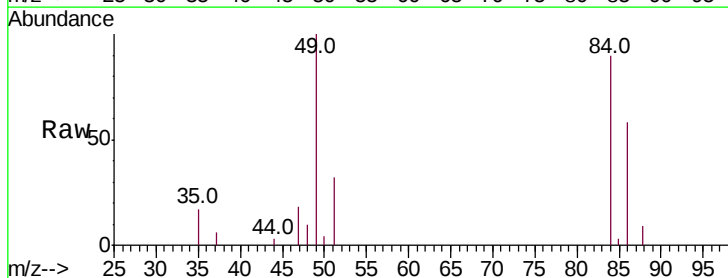
Instrument :
MSVOA_D
ClientSampled :

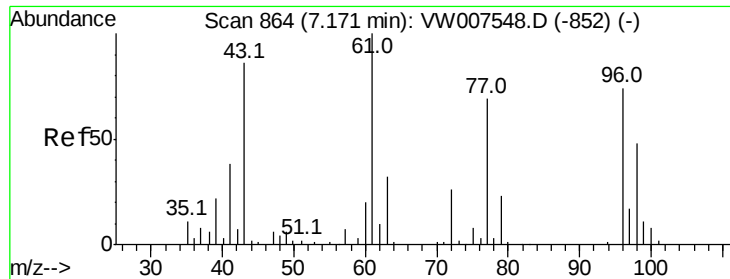
Tot Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
74 14.5 21.1 31.7#



#20
Methylene Chloride
Concen: 11.270 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

Tgt Ion: 84 Resp: 4600
Ion Ratio Lower Upper
84 100
49 111.5 87.1 130.7
51 35.2 28.2 42.2
86 64.9 50.8 76.2





#25

2-Butanone

Concen: 20.698 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007687.D

Acq: 19 Dec 2018 05:50

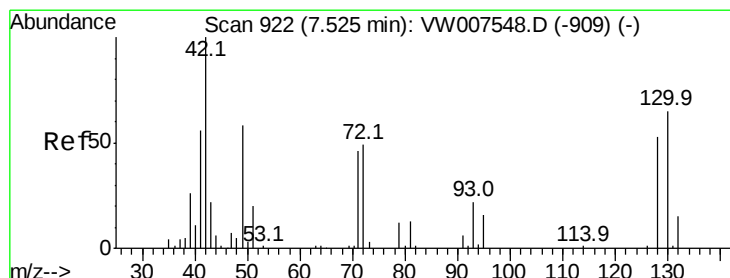
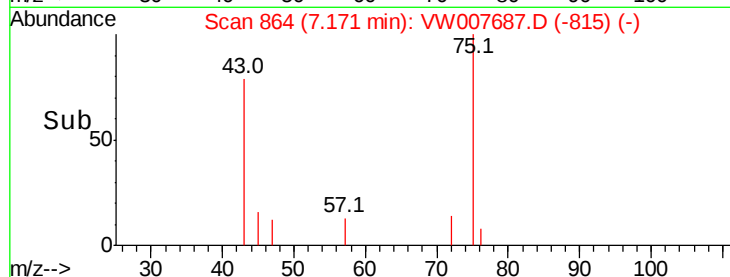
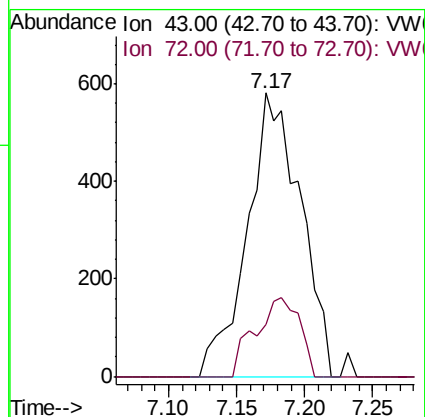
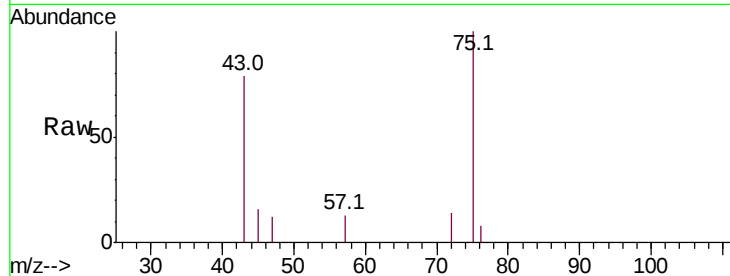
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

72 18.2 23.4 35.2#



#29

Tetrahydrofuran

Concen: 4.136 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW007687.D

Acq: 19 Dec 2018 05:50

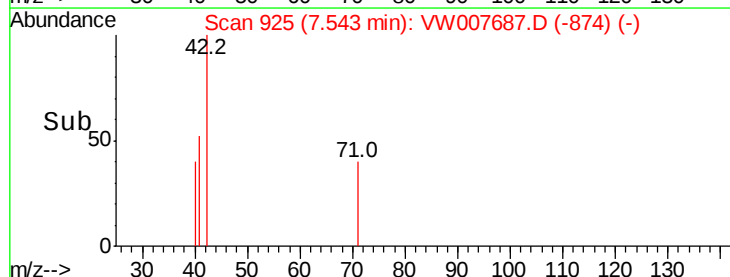
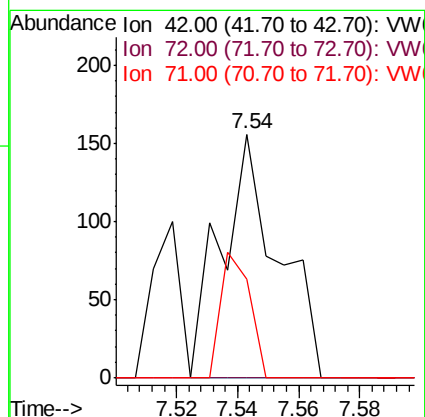
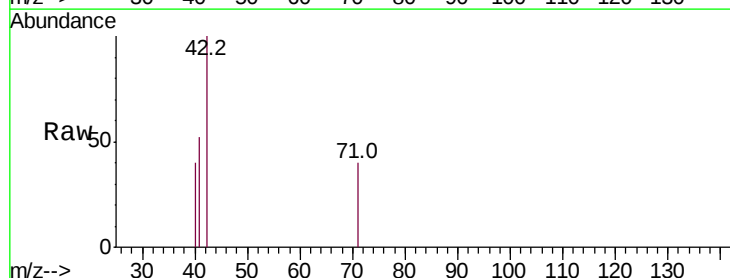
Tgt Ion: 42 Resp: 201

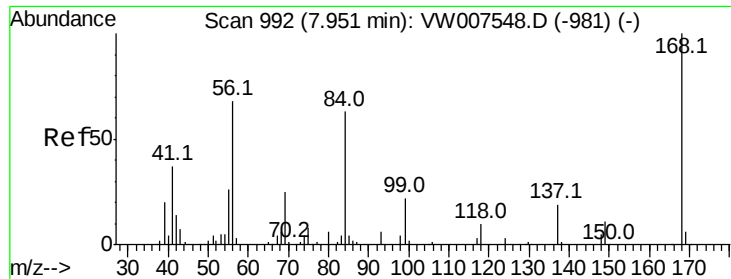
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

71 25.9 35.5 53.3#

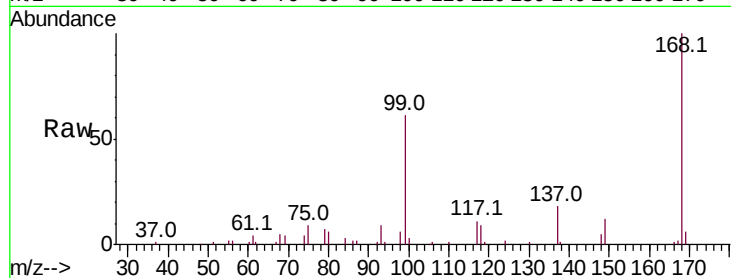




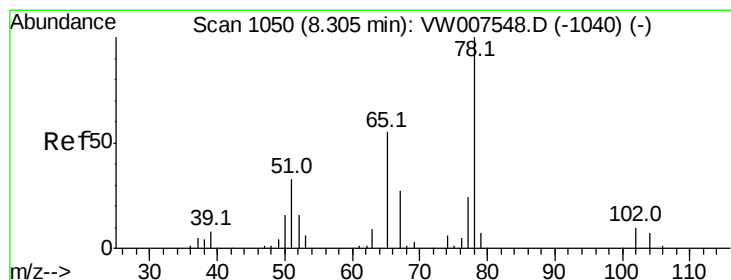
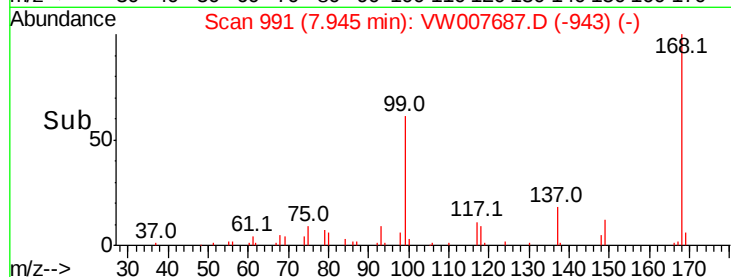
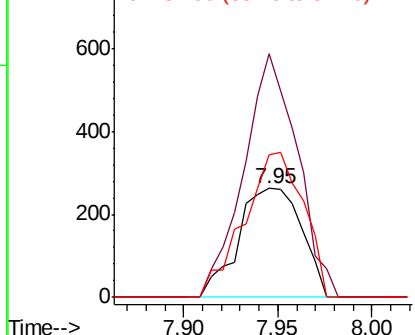
#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 612
Ion Ratio Lower Upper
56 100
69 223.6 28.9 43.3#
84 131.2 71.8 107.6#

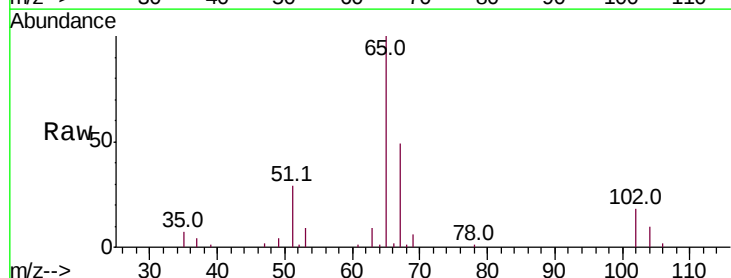


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

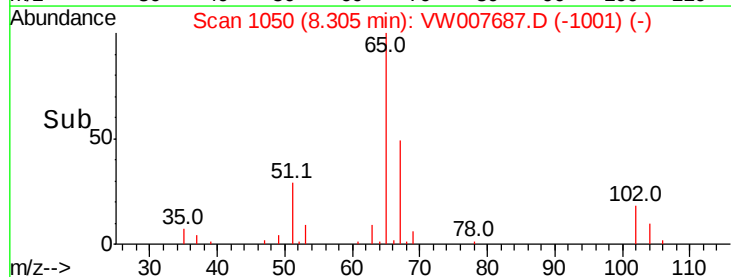
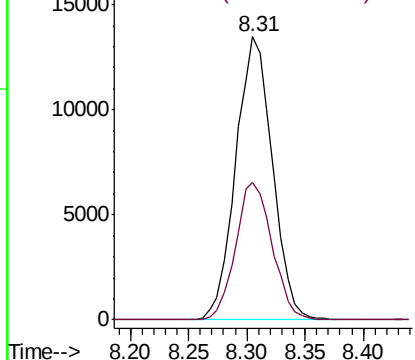


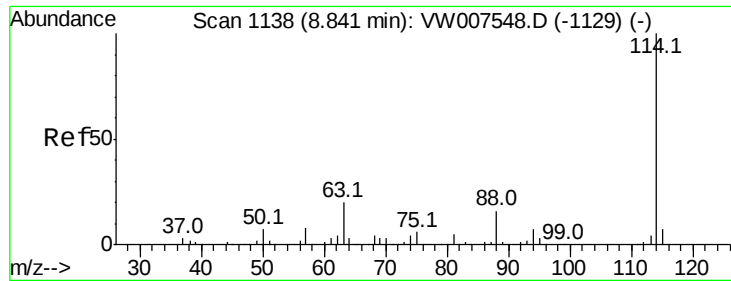
#33
1,2-Dichloroethane-d4
Concen: 87.660 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

Tgt Ion: 65 Resp: 29512
Ion Ratio Lower Upper
65 100
67 48.4 0.0 101.6



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

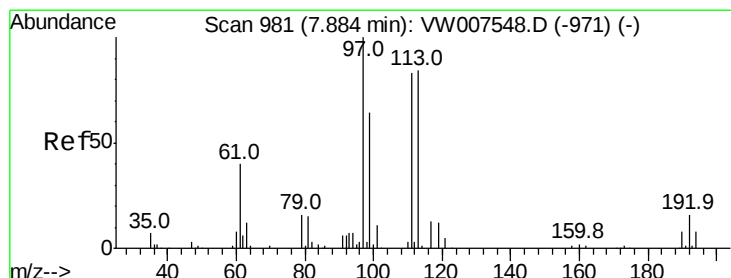
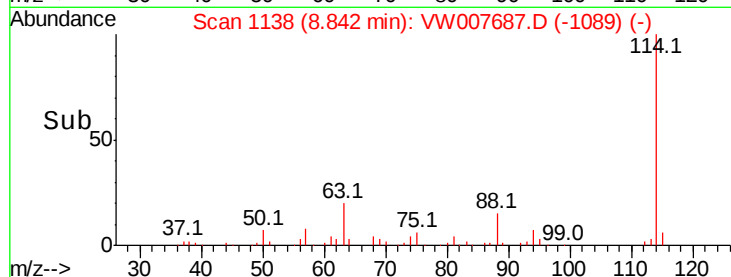
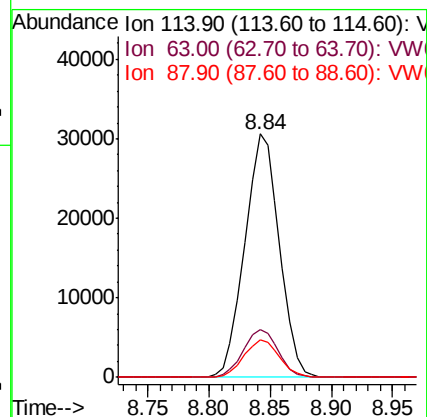
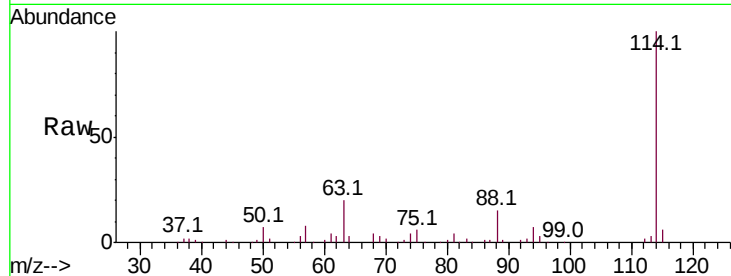




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007687.D
 Acq: 19 Dec 2018 05:50

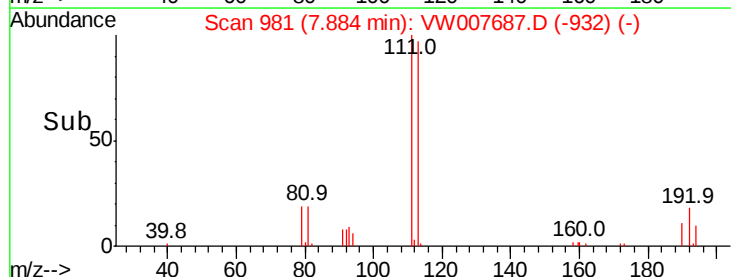
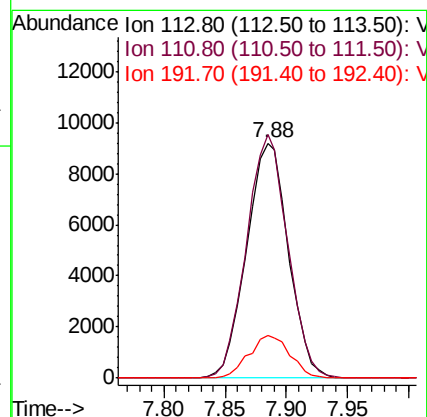
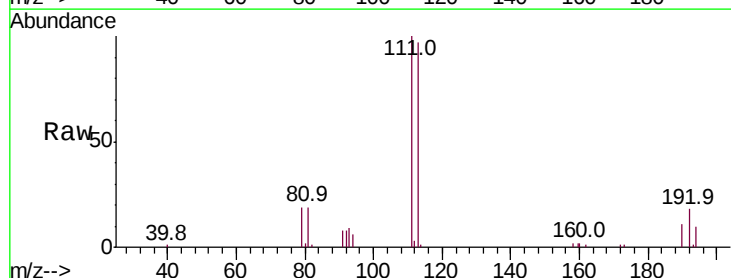
Instrument :
 MSVOA_D
 ClientSampleId :

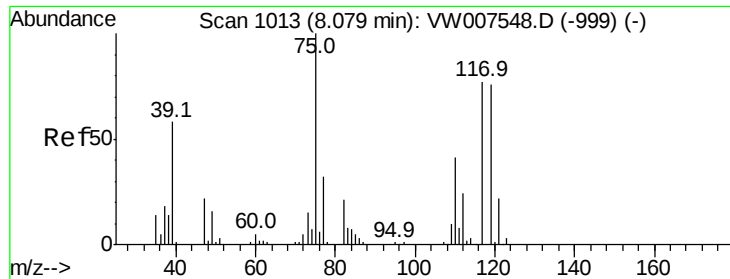
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.4	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 60.262 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007687.D
 Acq: 19 Dec 2018 05:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.0	14.6	21.8

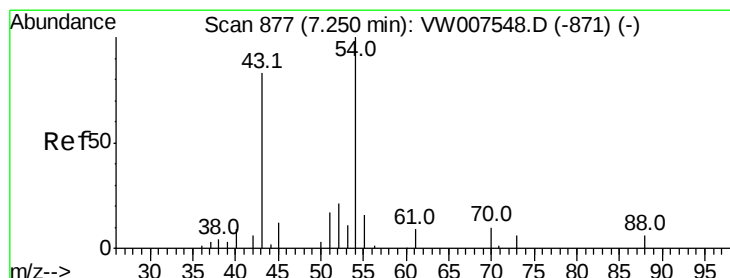
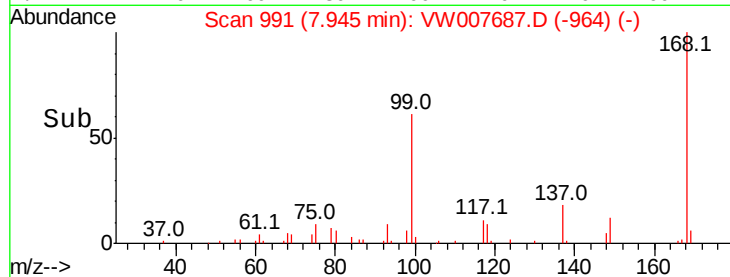
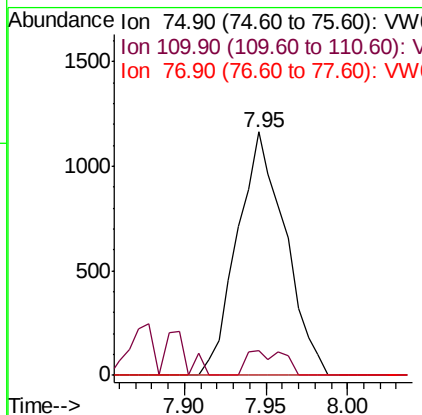
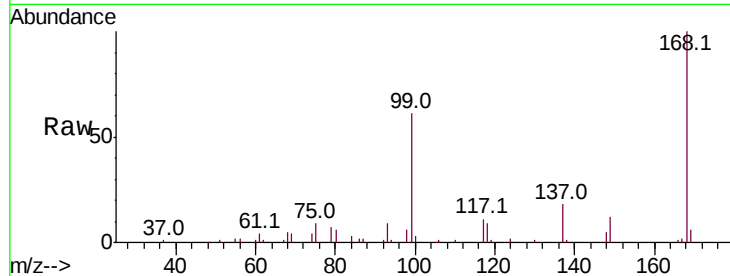




#36
 1,1-Dichloropropene
 Concen: 4.334 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007687.D
 Acq: 19 Dec 2018 05:50

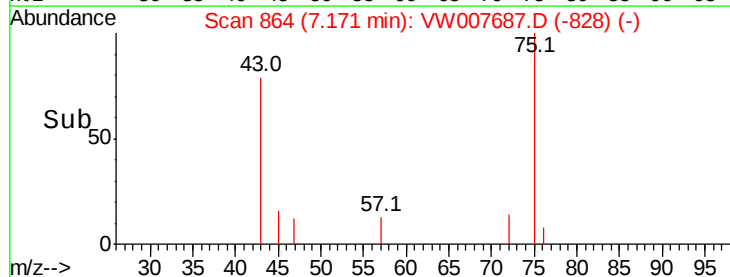
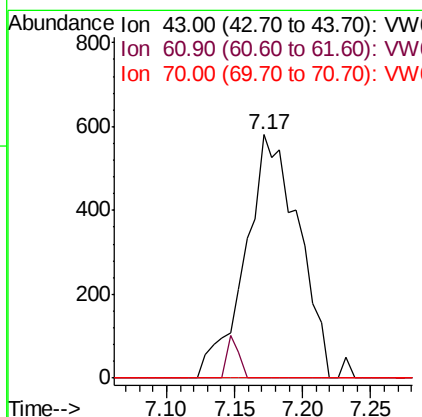
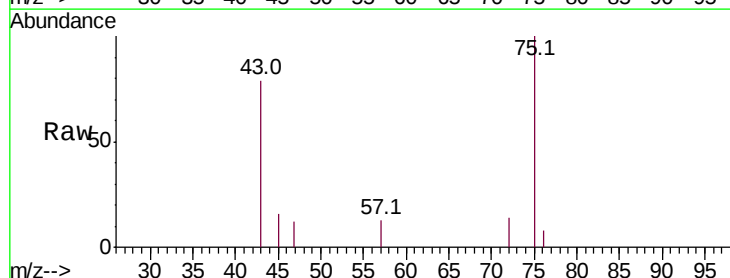
Instrument :
 MSVOA_D
 ClientSampled :

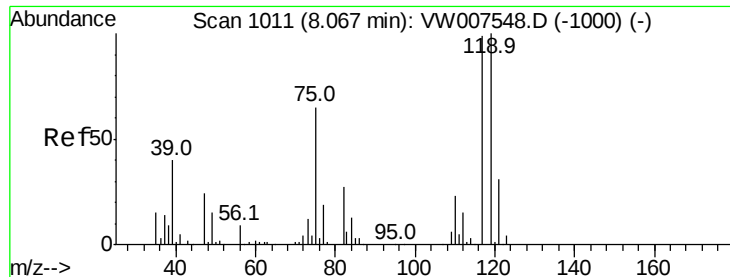
Tot Ion: 75 Resp: 2371
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.5 55.5#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 7.808 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW007687.D
 Acq: 19 Dec 2018 05:50

Tgt Ion: 43 Resp: 1589
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 10.0 15.0#

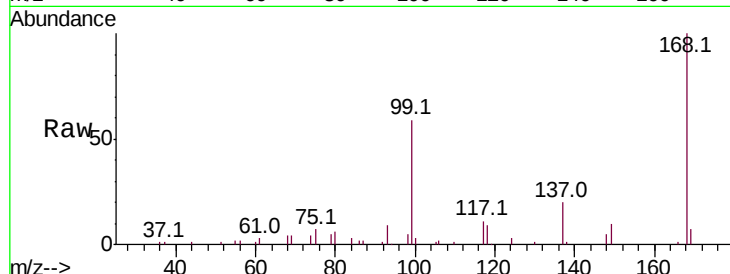




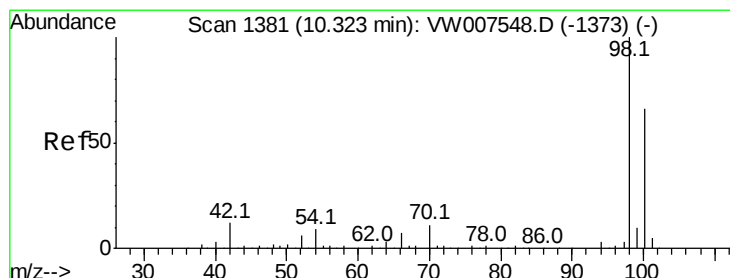
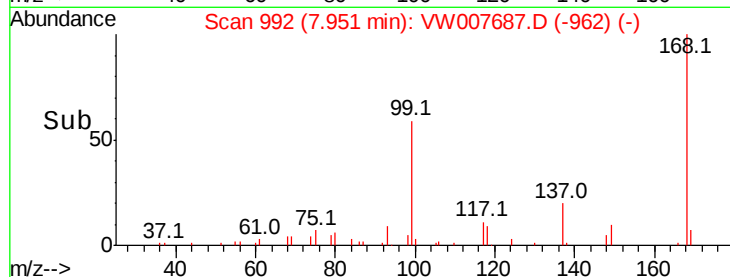
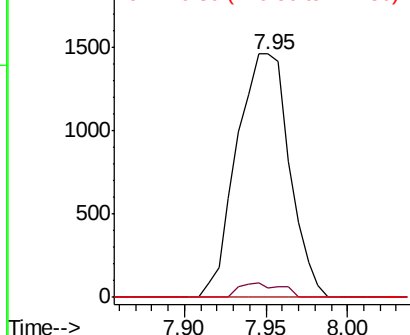
#38
Carbon Tetrachloride
Concen: 5.489 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 3268
Ion Ratio Lower Upper
117 100
119 3.6 74.3 111.5#
121 0.0 24.3 36.5#

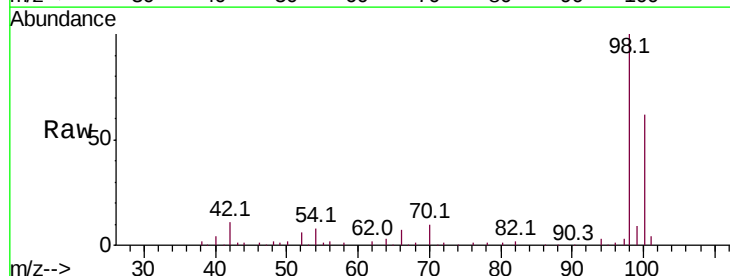


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

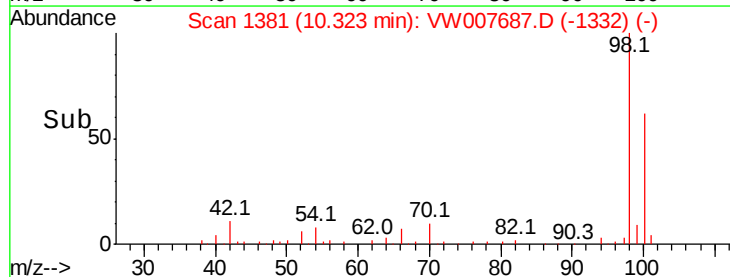
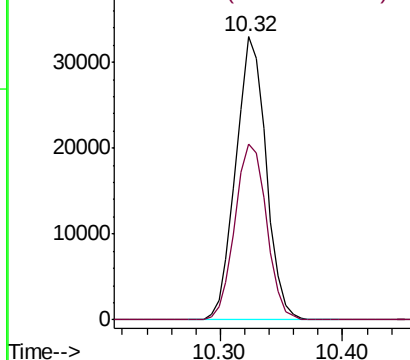


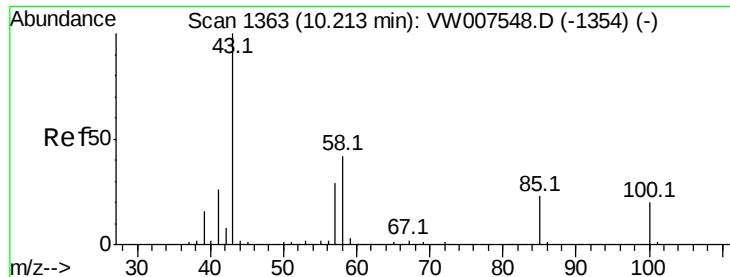
#50
Toluene-d8
Concen: 41.612 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

Tgt Ion: 98 Resp: 56646
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.511 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007687.D

Acq: 19 Dec 2018 05:50

Instrument :

MSVOA_D

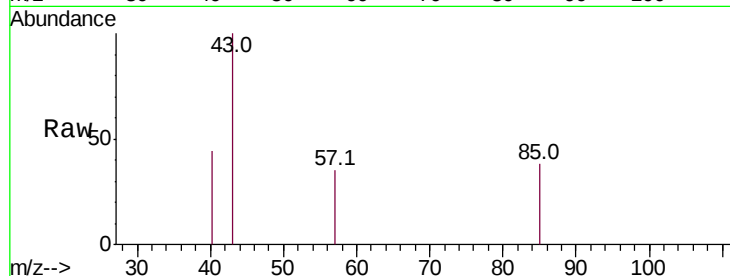
ClientSampled :

Tot Ion: 43 Resp: 287

Ion Ratio Lower Upper

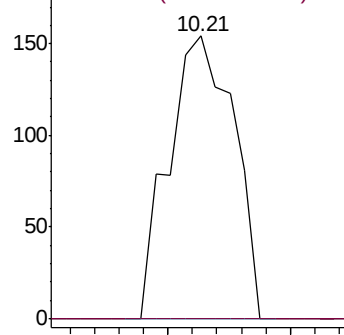
43 100

58 0.0 33.1 49.7#

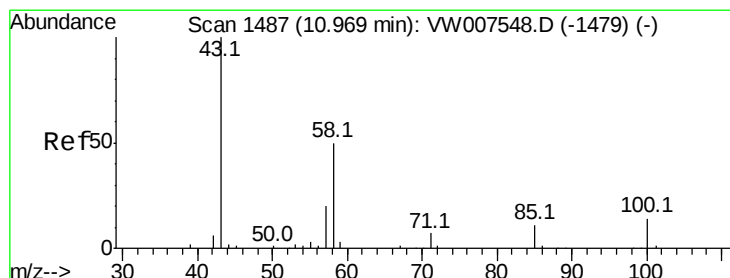
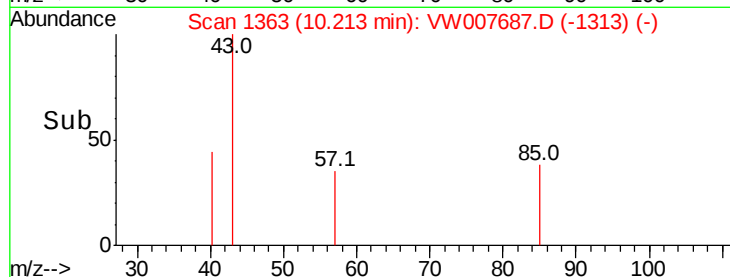


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#59

2-Hexanone

Concen: 1.990 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007687.D

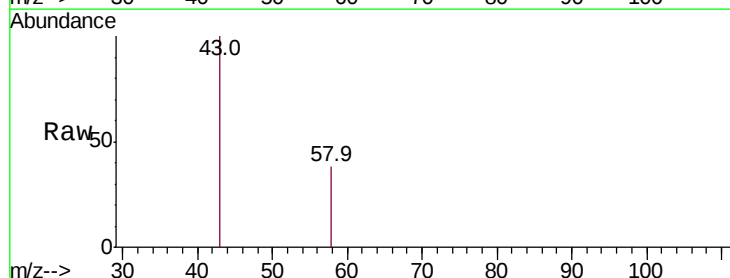
Acq: 19 Dec 2018 05:50

Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

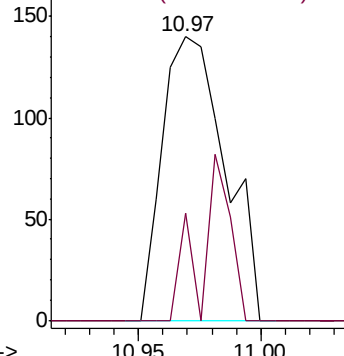
43 100

58 27.0 27.1 81.3#

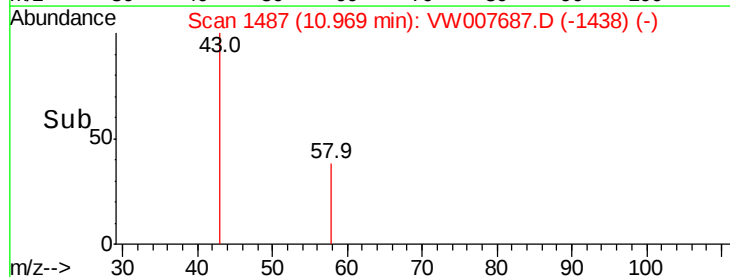


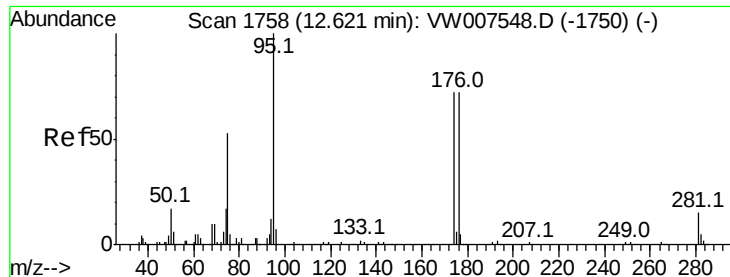
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

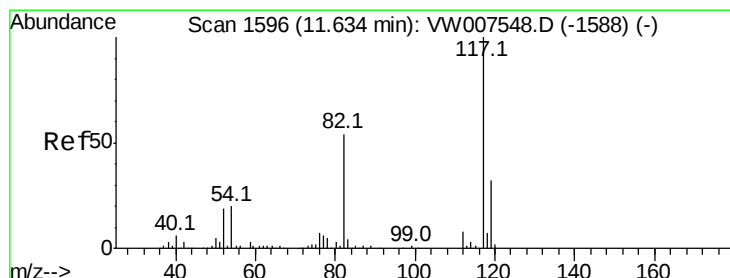
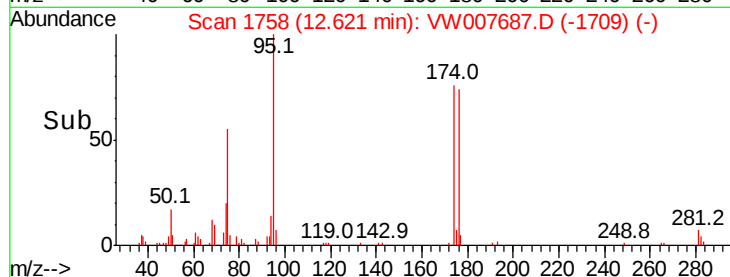
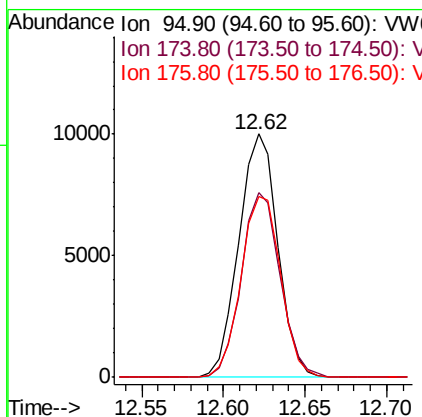
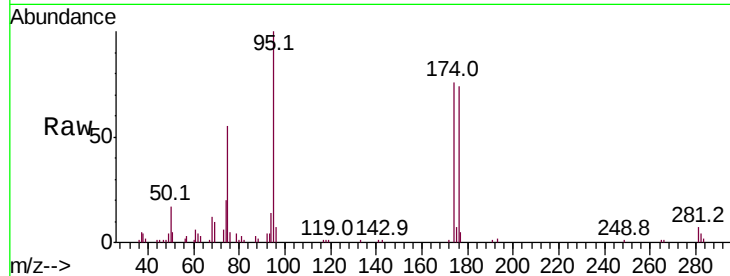




#62
4-Bromofluorobenzene
Concen: 33.350 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

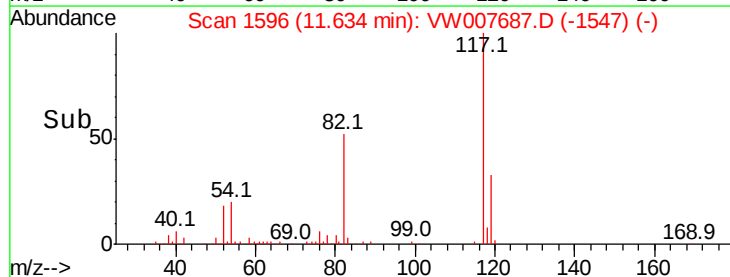
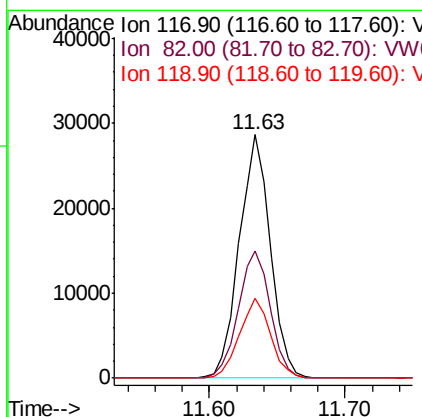
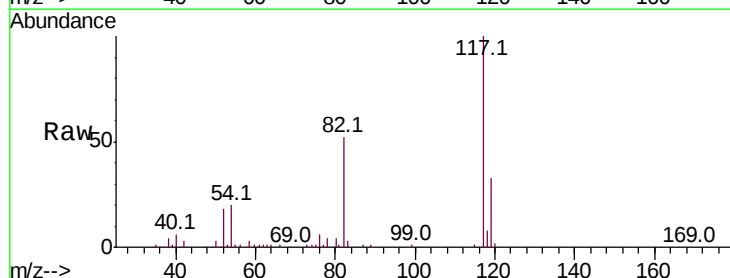
Instrument :
MSVOA_D
ClientSampled :

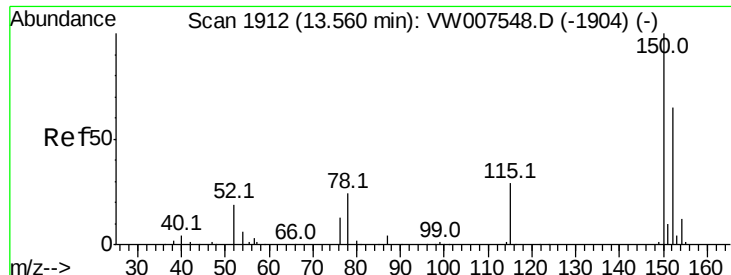
Tot Ion: 95 Resp: 16692
Ion Ratio Lower Upper
95 100
174 75.8 0.0 147.2
176 75.5 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007687.D
Acq: 19 Dec 2018 05:50

Tgt Ion: 117 Resp: 45539
Ion Ratio Lower Upper
117 100
82 52.4 42.3 63.5
119 32.7 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007687.D

Acq: 19 Dec 2018 05:50

Instrument :

MSVOA_D

ClientSampleId :

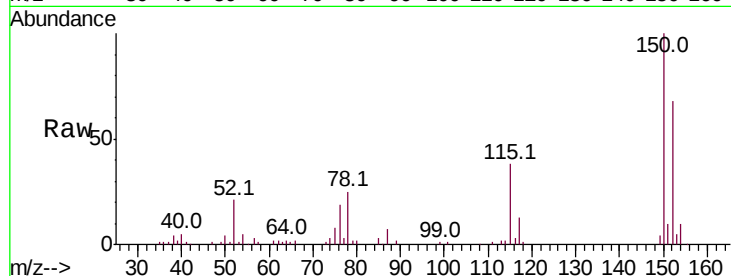
Tot Ion:152 Resp: 14277

Ion Ratio Lower Upper

152 100

115 58.8 31.4 94.2

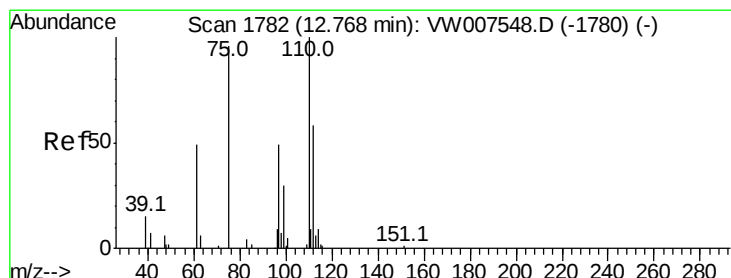
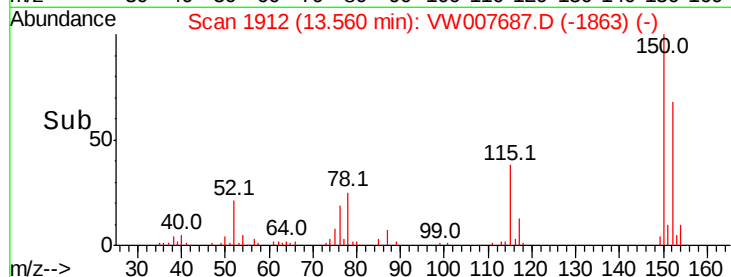
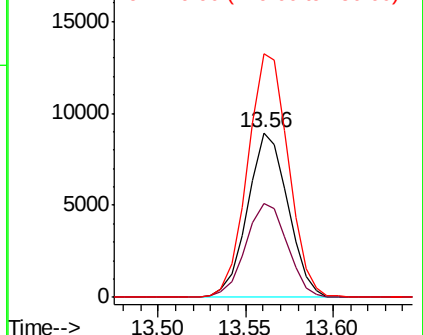
150 149.9 0.0 358.4



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: 74.126 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007687.D

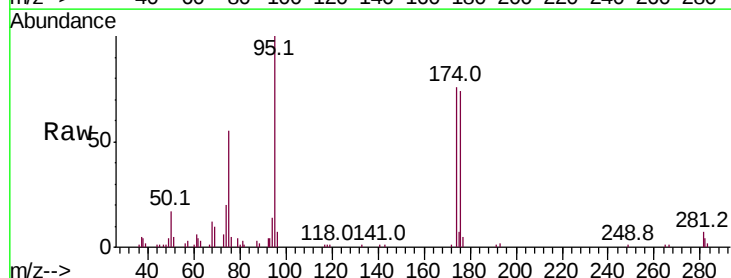
Acq: 19 Dec 2018 05:50

Tgt Ion: 75 Resp: 8726

Ion Ratio Lower Upper

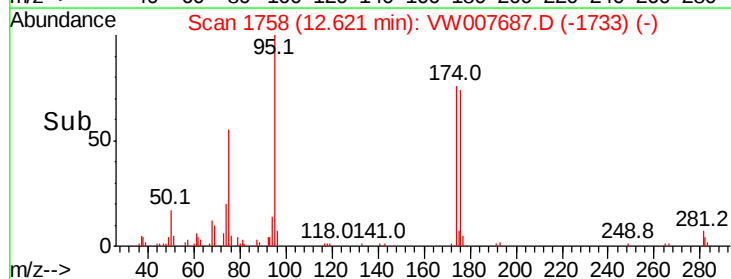
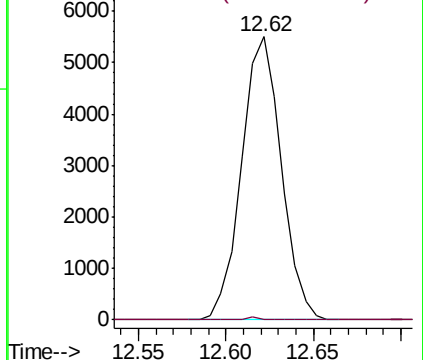
75 100

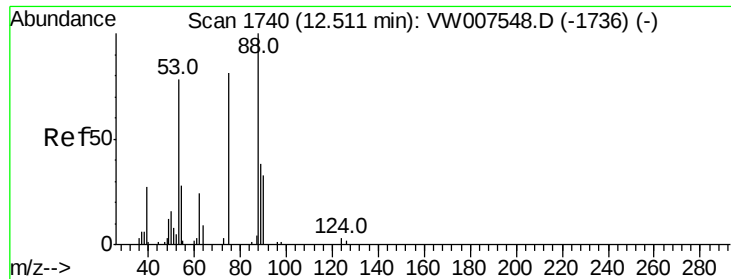
77 0.2 166.9 500.8#



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: 163.746 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007687.D

Acq: 19 Dec 2018 05:50

Instrument :

MSVOA_D

ClientSampleId :

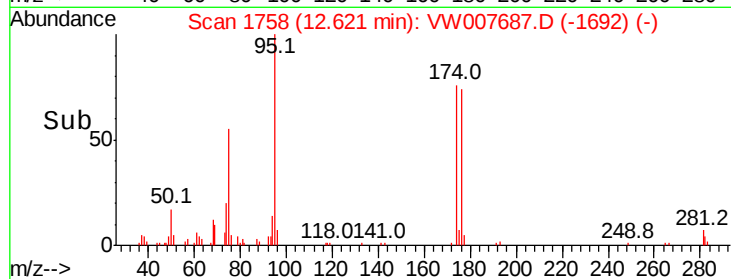
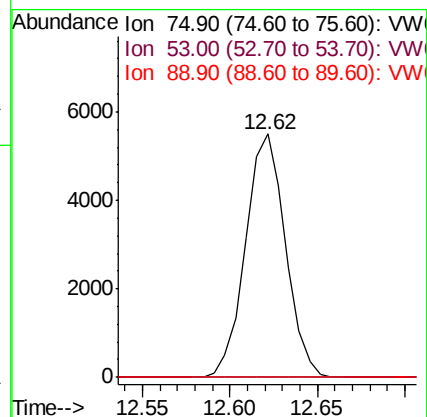
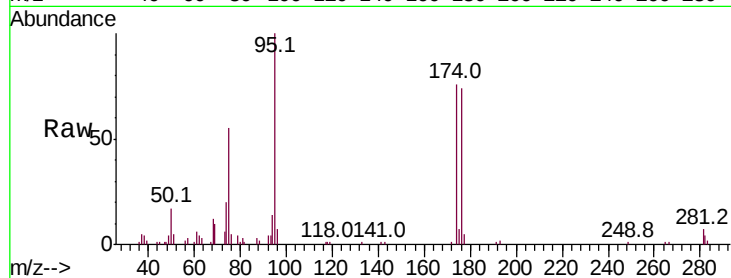
Tot Ion: 75 Resp: 8726

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.507 ug/l

RT: 14.35 min Scan# 2041

Delta R.T. -0.15 min

Lab File: VW007687.D

Acq: 19 Dec 2018 05:50

Tgt Ion: 75 Resp: 49

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.2#

157 0.0 51.1 153.4#

