

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000941.D
 Acq On : 24 Jan 2018 11:42
 Operator : JC/SY
 Sample : VW0124SBL01
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 15:09:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

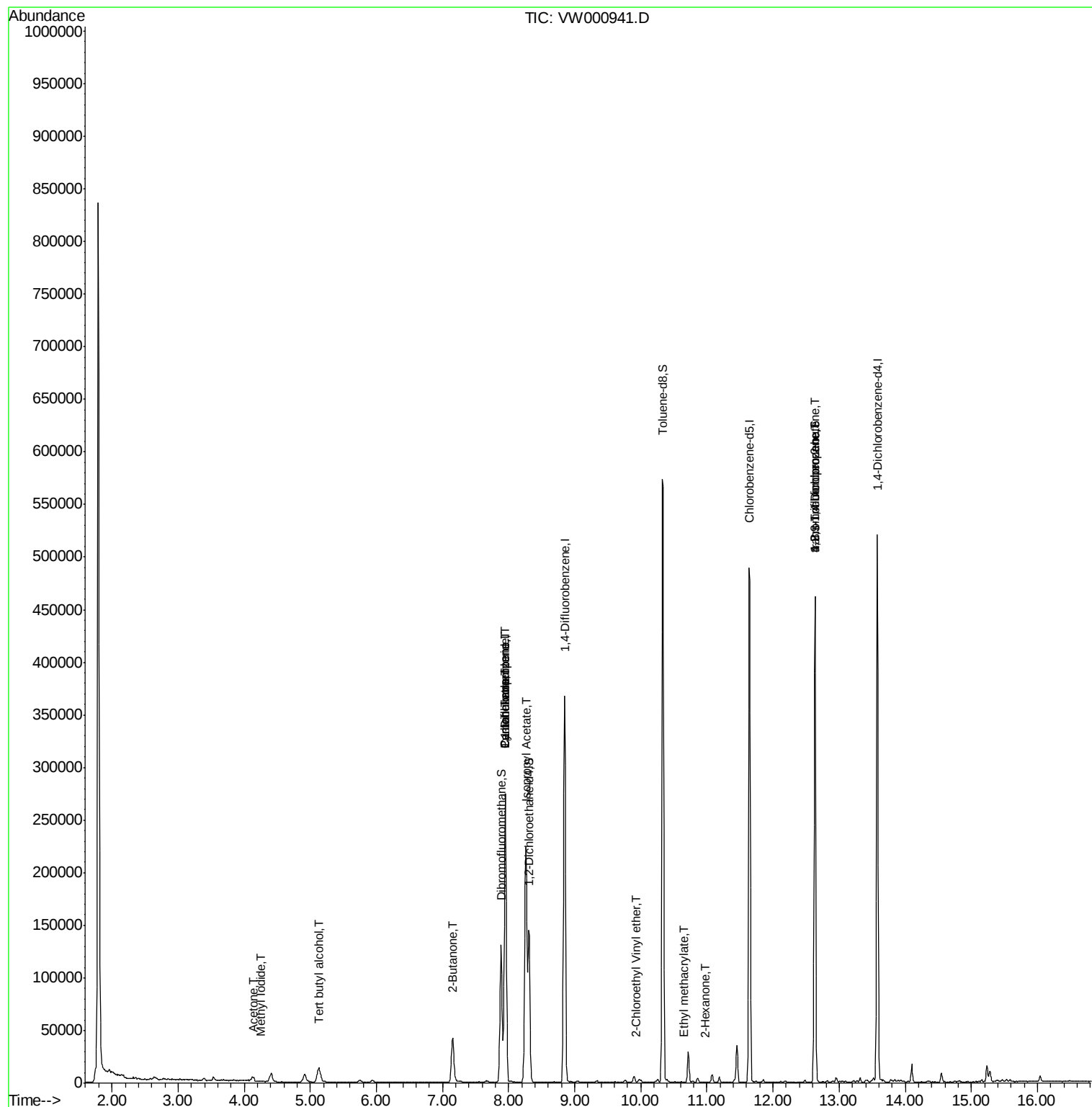
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	316846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	283903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	114696	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	7.88	113	89854	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
50) Toluene-d8	10.34	98	392515	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.63	95	130544	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.26	142	476	5.058	ug/l #	40
11) Tert butyl alcohol	5.12	59	12335	55.594	ug/l #	81
16) Acetone	4.14	43	6936	25.169	ug/l #	85
20) Methylene Chloride	4.91	84	5015	Below Cal		96
25) 2-Butanone	7.15	43	2449	2.706	ug/l #	76
31) Cyclohexane	7.95	56	4658	1.397	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14569	4.819	ug/l #	49
38) Carbon Tetrachloride	7.95	117	20334	6.097	ug/l #	17
43) Isopropyl Acetate	8.26	43	5284	1.827	ug/l #	26
56) Ethyl methacrylate	10.66	69	27	3.258	ug/l #	26
58) 2-Chloroethyl Vinyl ether	9.93	63	45	25.881	ug/l #	45
59) 2-Hexanone	10.98	43	195	14.799	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	66792	40.695	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	66792	97.370	ug/l #	11

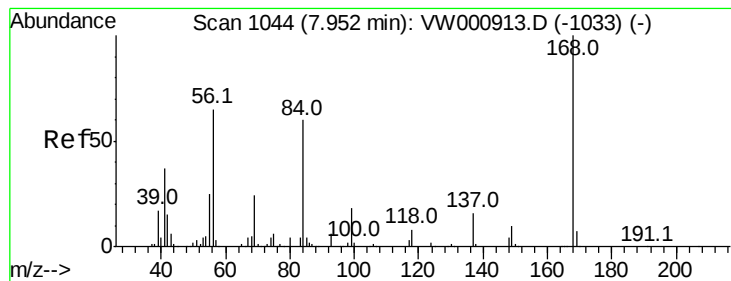
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

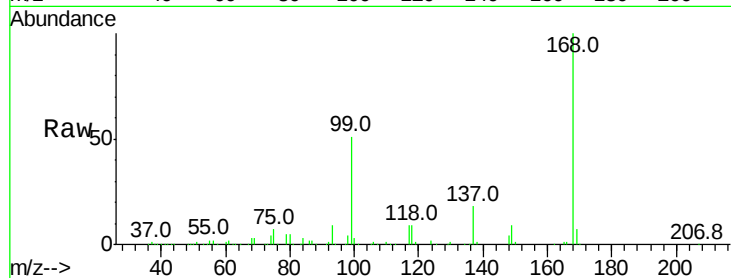
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 213461

Ion Ratio Lower Upper

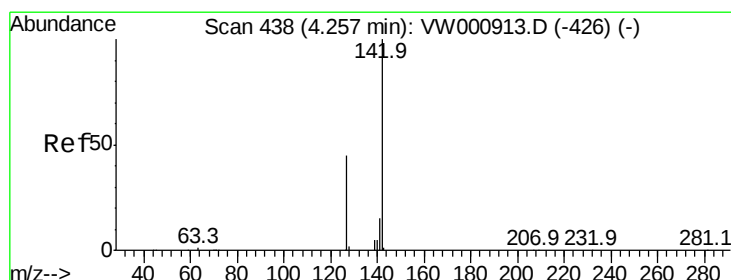
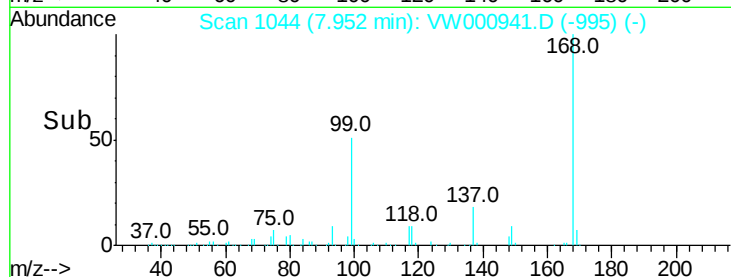
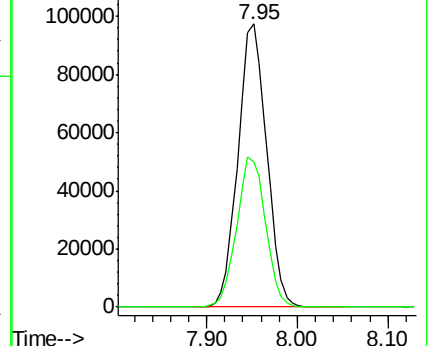
168 100

99 51.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 5.058 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

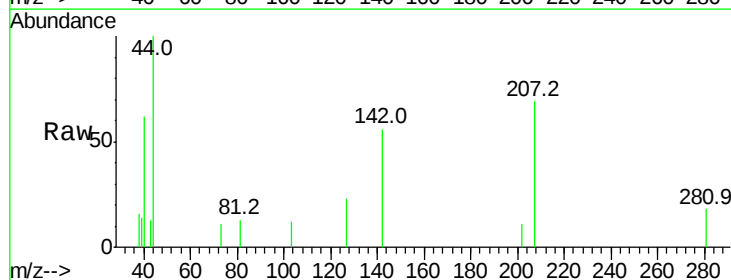
Tgt Ion:142 Resp: 476

Ion Ratio Lower Upper

142 100

127 0.0 35.5 53.3#

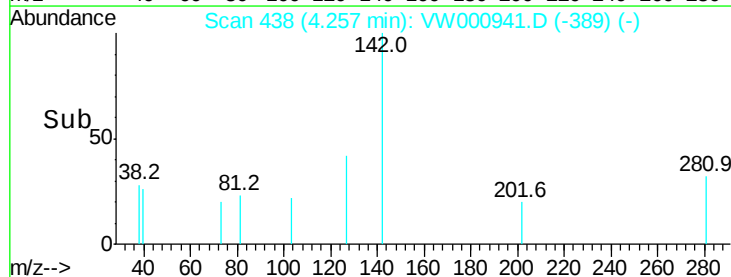
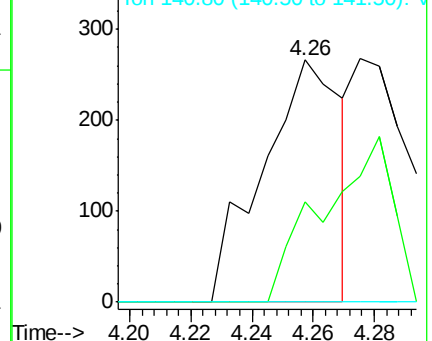
141 0.0 11.7 17.5#

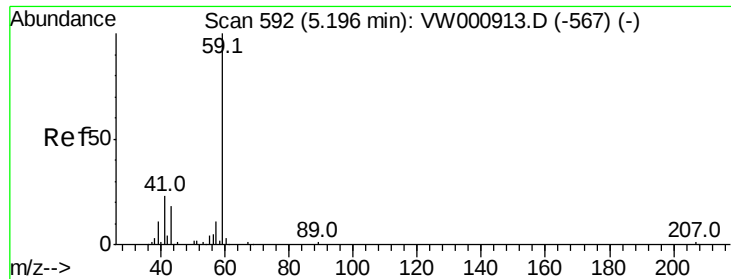


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



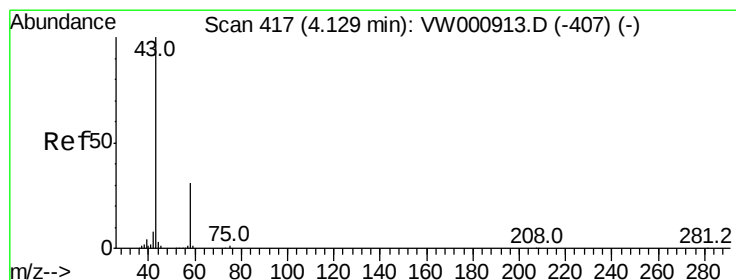
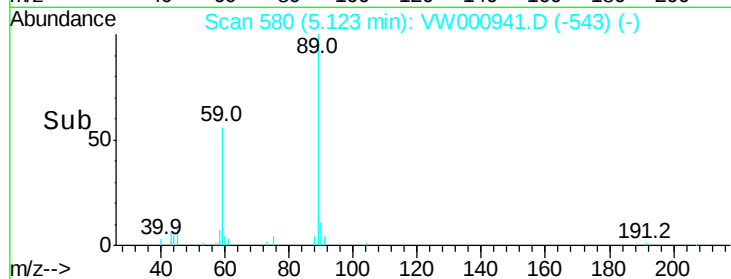
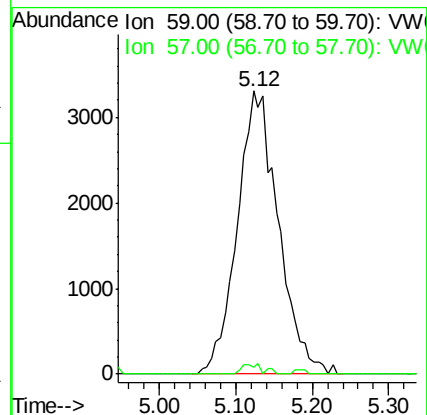
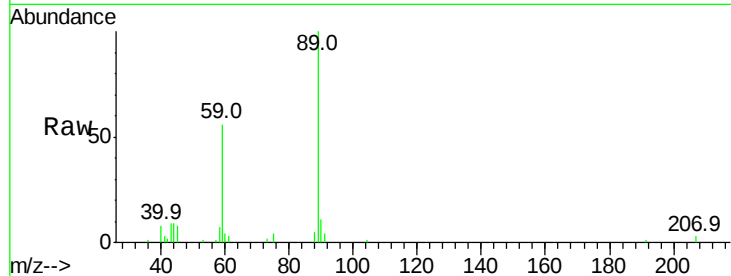


#11

Tert butyl alcohol
 Concen: 55.594 ug/l
 RT: 5.12 min Scan# 580
 Delta R.T. -0.07 min
 Lab File: VW000941.D
 Acq: 24 Jan 2018 11:42

Instrument :
 MSVOA_W
 ClientSampleId :

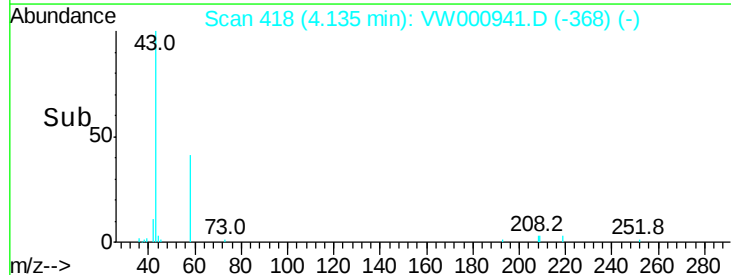
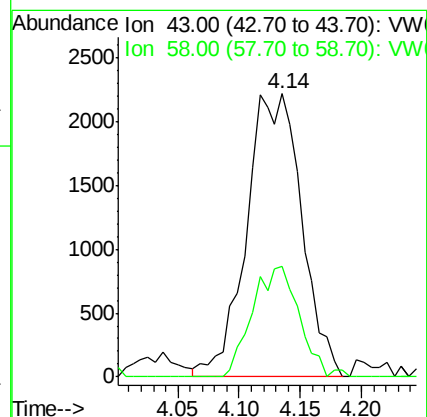
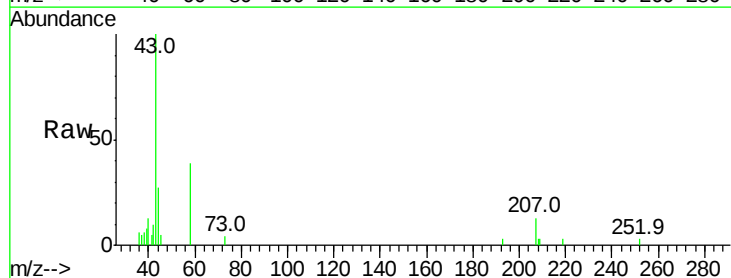
Tot Ion: 59 Resp: 12335
 Ion Ratio Lower Upper
 59 100
 57 1.8 7.0 10.6#

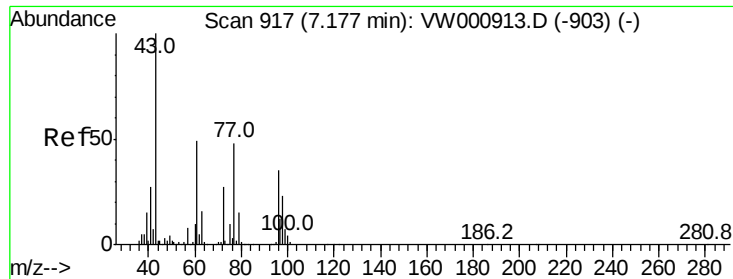


#16

Acetone
 Concen: 25.169 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VW000941.D
 Acq: 24 Jan 2018 11:42

Tgt Ion: 43 Resp: 6936
 Ion Ratio Lower Upper
 43 100
 58 39.3 24.9 37.3#





#25

2-Butanone

Concen: 2.706 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

Instrument :

MSVOA_W

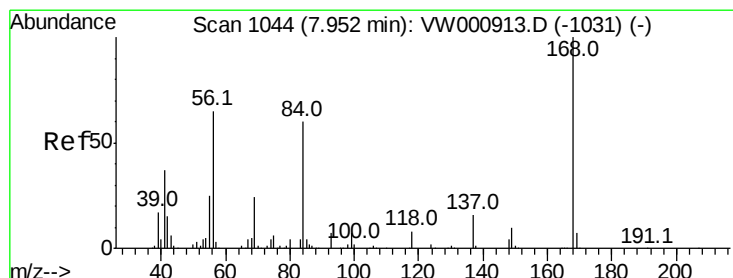
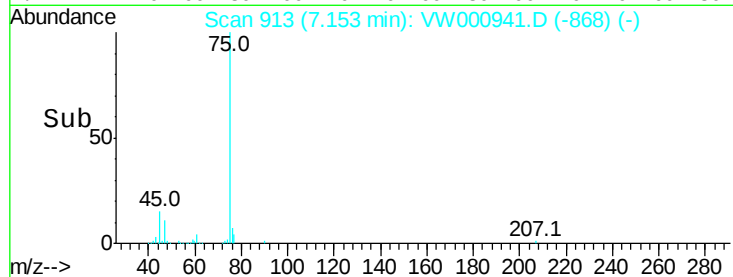
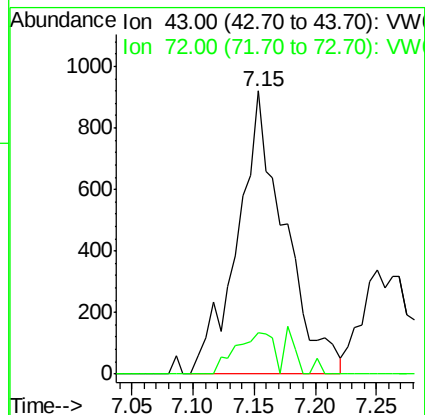
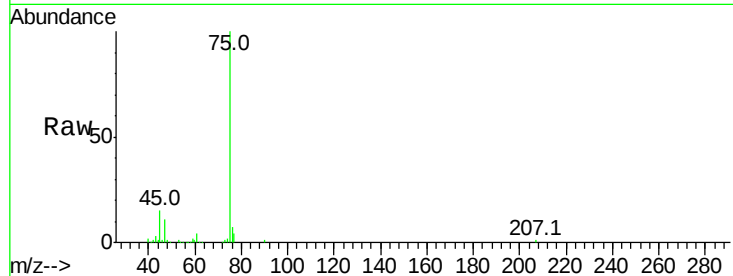
ClientSampled :

Tot Ion: 43 Resp: 2449

Ion Ratio Lower Upper

43 100

72 14.5 21.5 32.3#



#31

Cyclohexane

Concen: 1.397 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

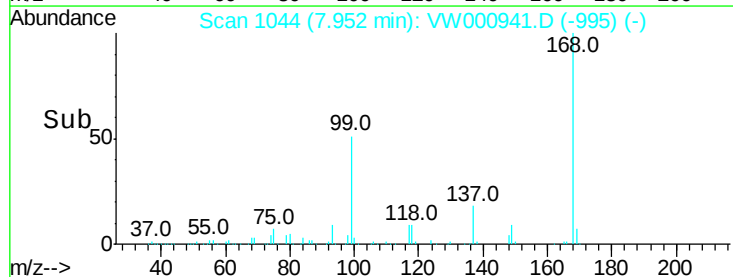
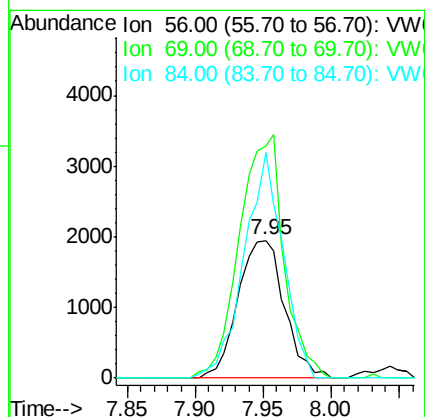
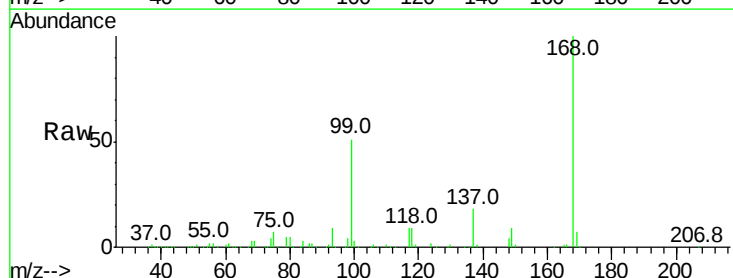
Tgt Ion: 56 Resp: 4658

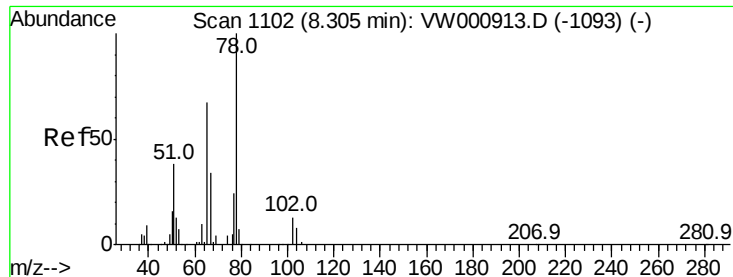
Ion Ratio Lower Upper

56 100

69 168.7 29.2 43.8#

84 163.9 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 56.059 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

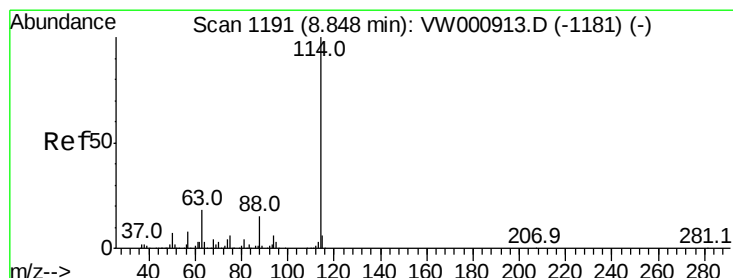
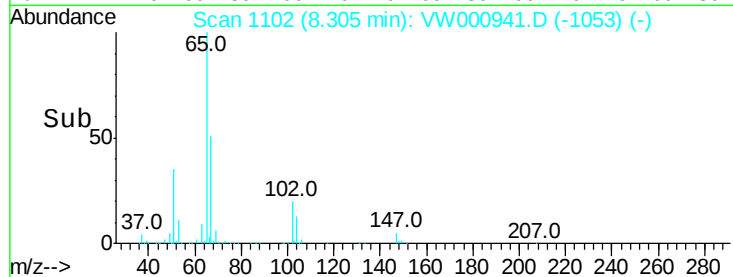
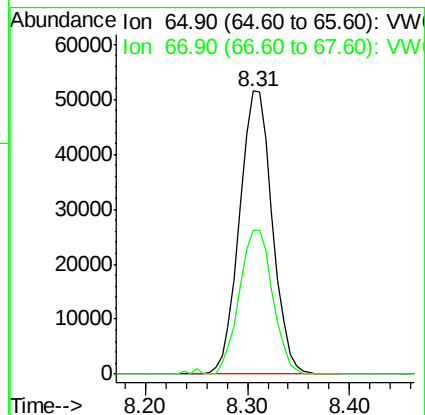
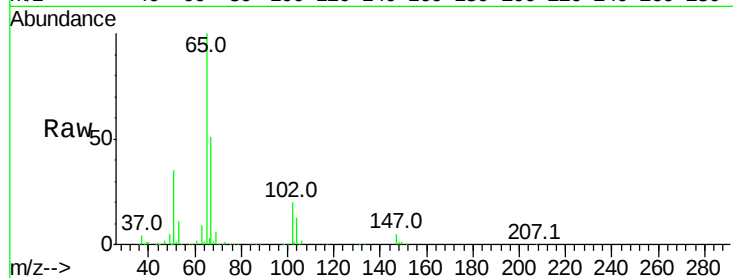
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 114696

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

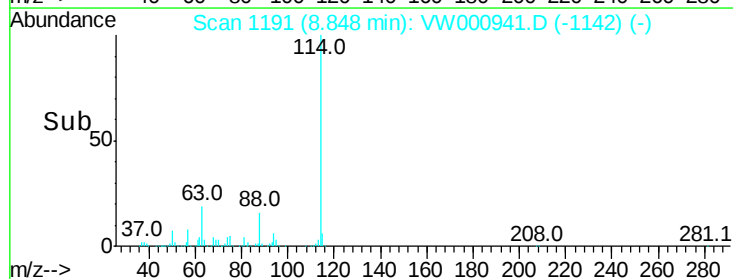
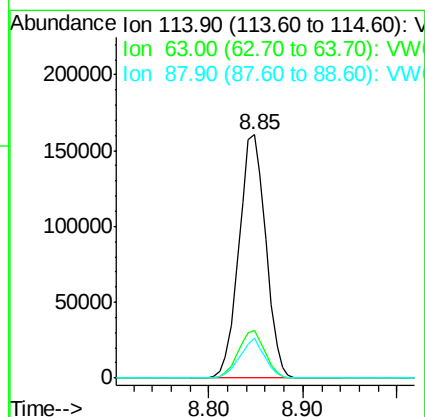
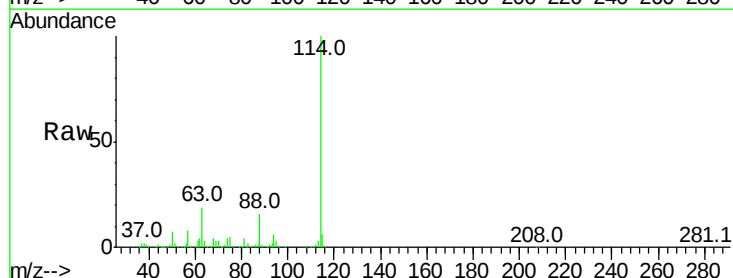
Tgt Ion: 114 Resp: 316846

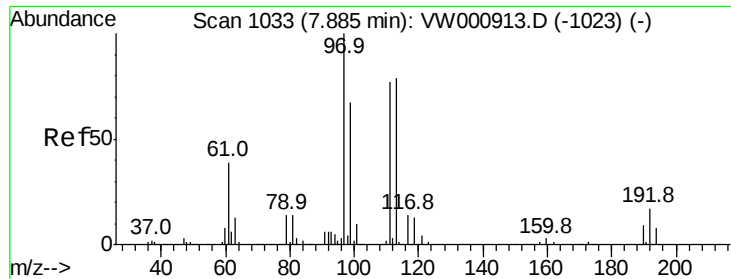
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 16.2 0.0 29.8

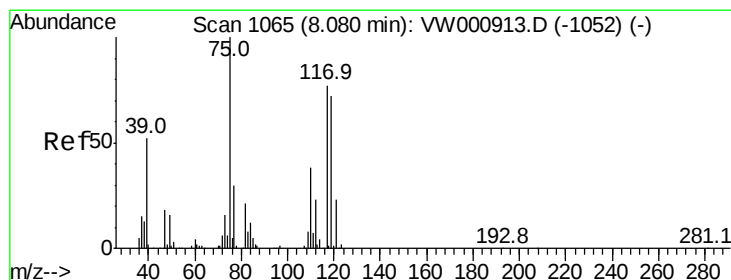
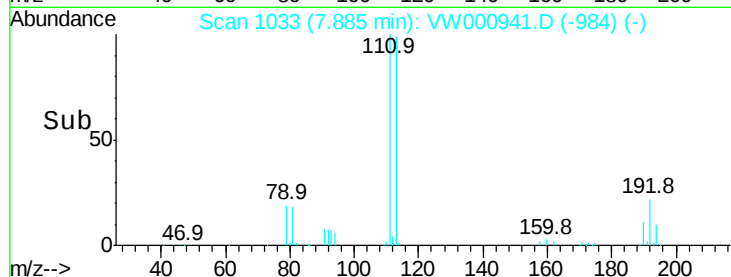
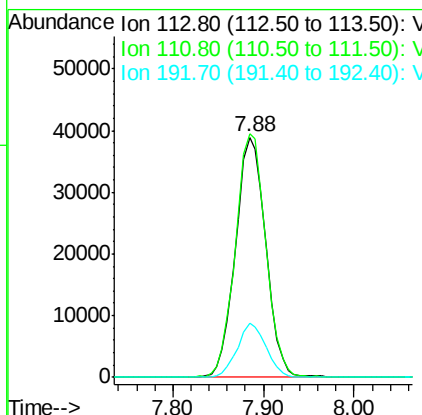
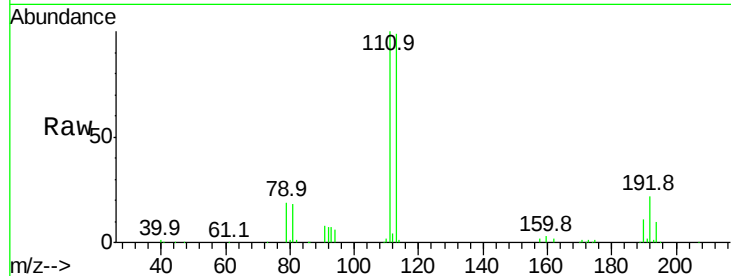




#35
 Dibromofluoromethane
 Concen: 46.292 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW000941.D
 Acq: 24 Jan 2018 11:42

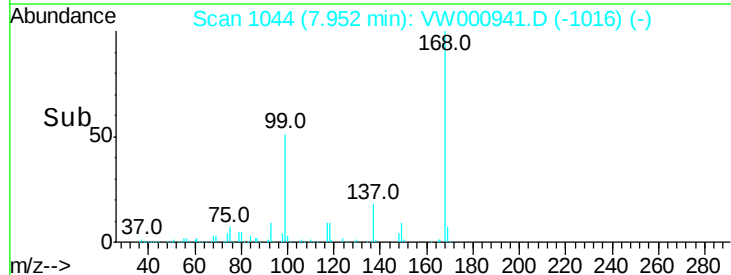
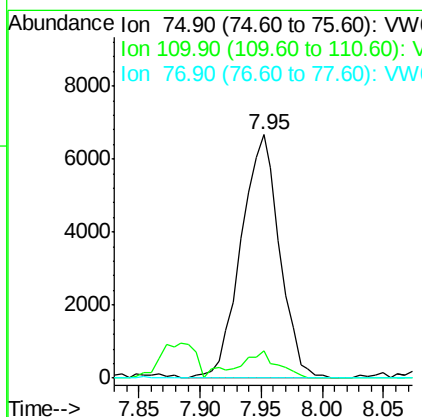
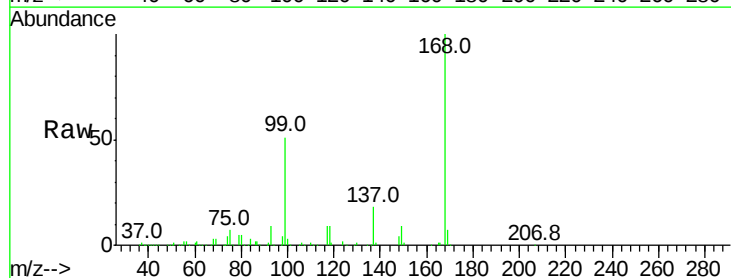
Instrument :
 MSVOA_W
 ClientSampleId :

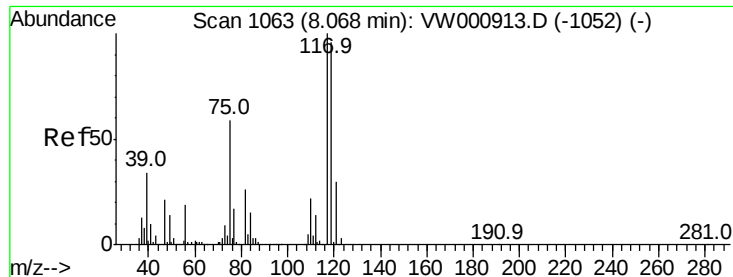
Tot Ion:113 Resp: 89854
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.4 120.6
 192 21.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW000941.D
 Acq: 24 Jan 2018 11:42

Tgt Ion: 75 Resp: 14569
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.6 56.0#
 77 0.0 24.6 36.8#

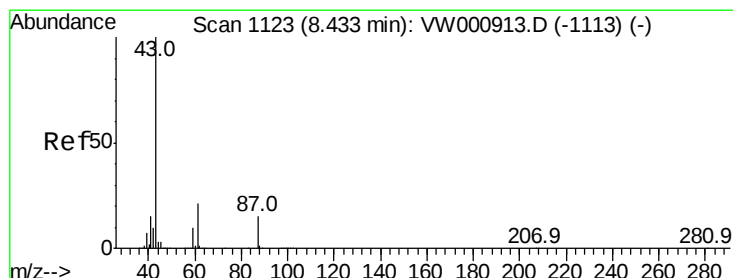
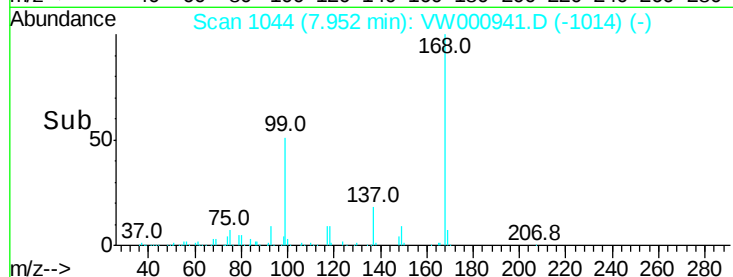
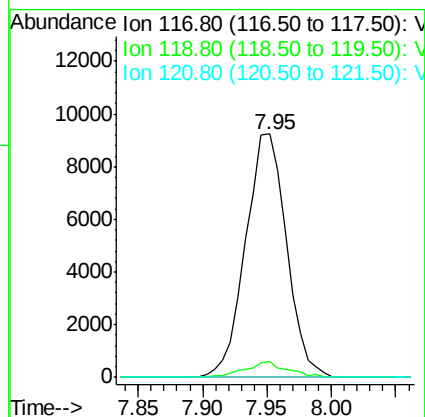
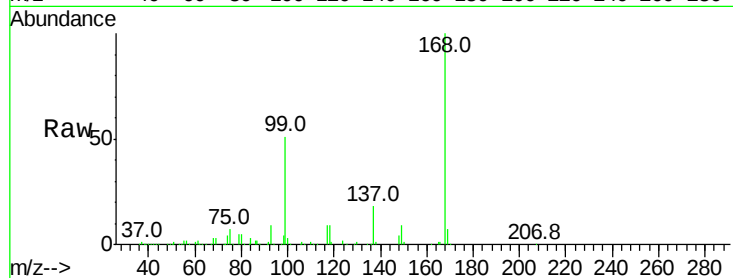




#38
Carbon Tetrachloride
Concen: 6.097 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW000941.D
Acq: 24 Jan 2018 11:42

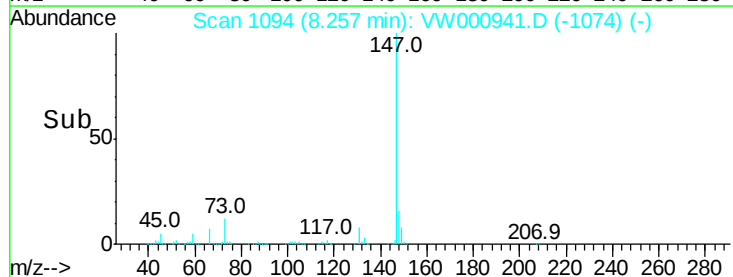
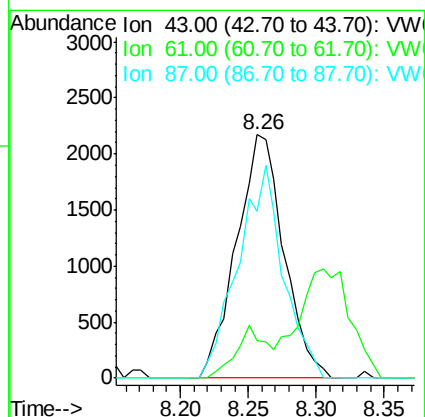
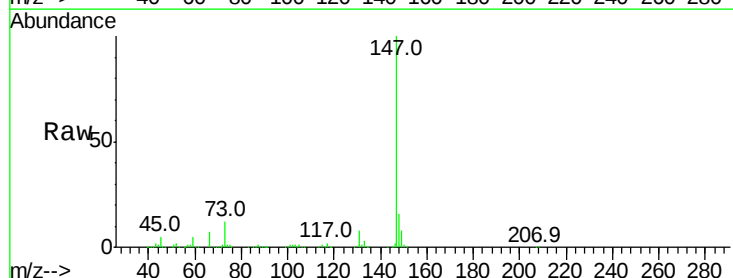
Instrument :
MSVOA_W
ClientSampleId :

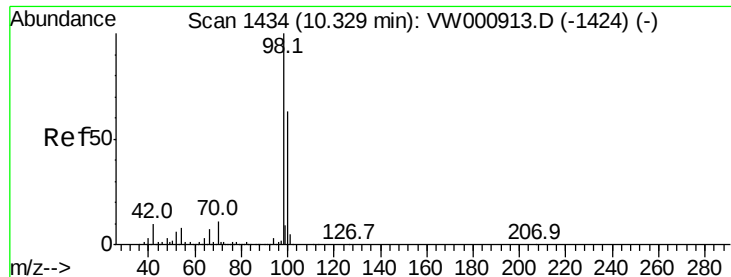
Tot Ion:117 Resp: 20334
Ion Ratio Lower Upper
117 100
119 6.4 76.5 114.7#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 1.827 ug/l
RT: 8.26 min Scan# 1094
Delta R.T. -0.18 min
Lab File: VW000941.D
Acq: 24 Jan 2018 11:42

Tgt Ion: 43 Resp: 5284
Ion Ratio Lower Upper
43 100
61 14.0 23.6 35.4#
87 83.3 11.7 17.5#





#50

Toluene-d8

Concen: 51.295 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

Instrument :

MSVOA_W

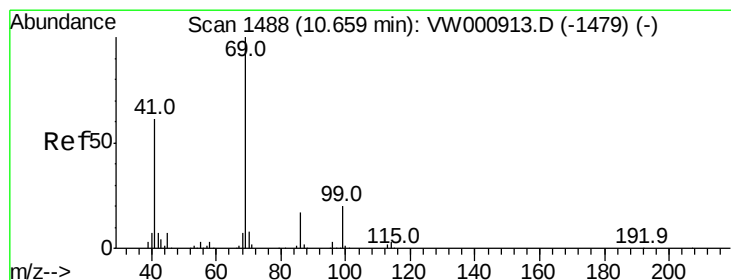
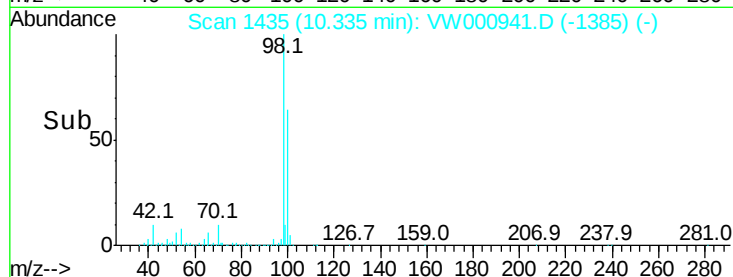
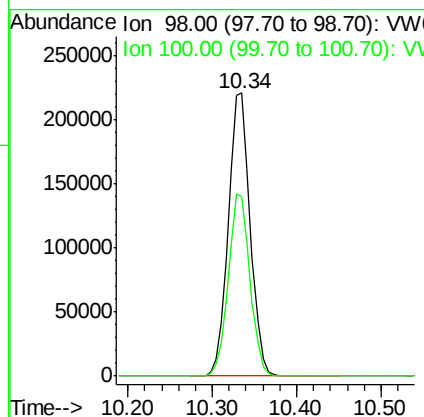
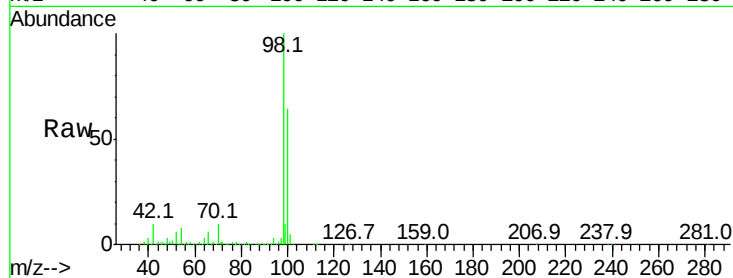
ClientSampled :

Tot Ion: 98 Resp: 392515

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.258 ug/l

RT: 10.66 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

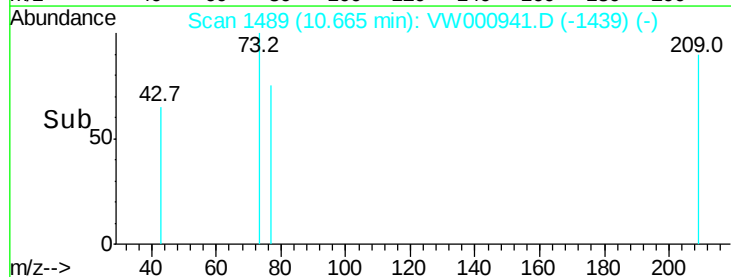
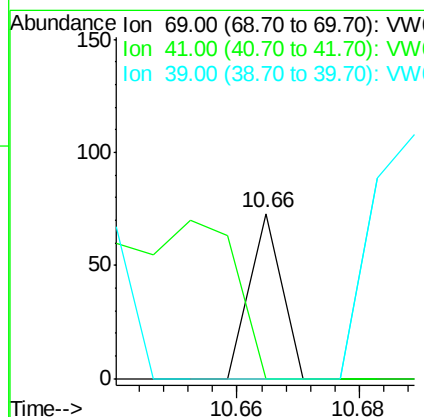
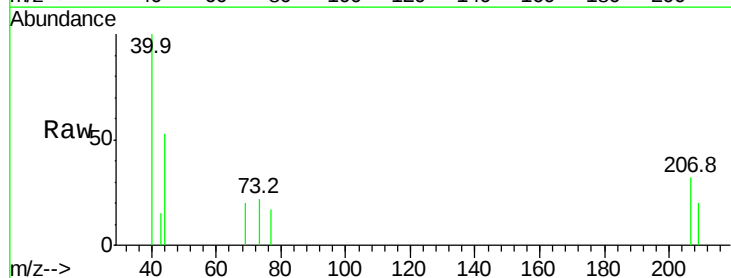
Tgt Ion: 69 Resp: 27

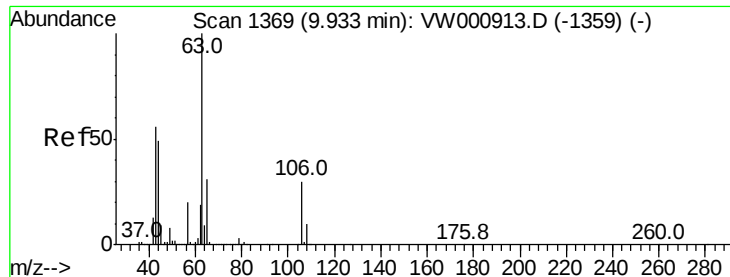
Ion Ratio Lower Upper

69 100

41 0.0 50.3 75.5#

39 0.0 28.6 42.8#

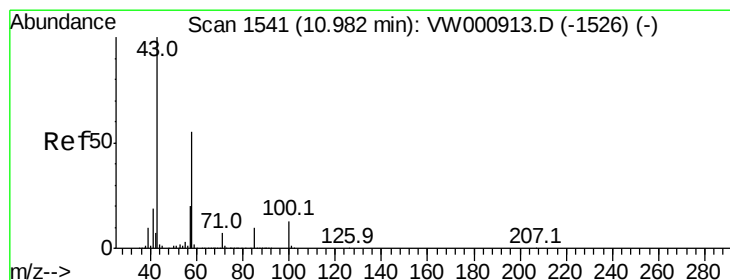
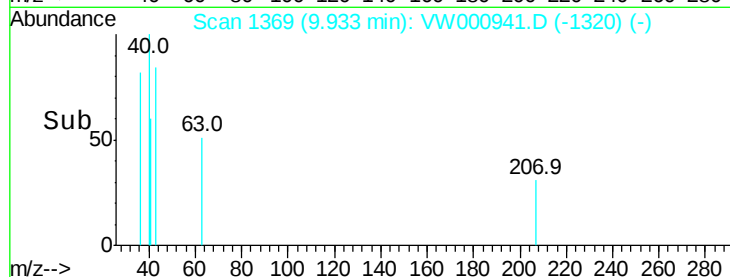
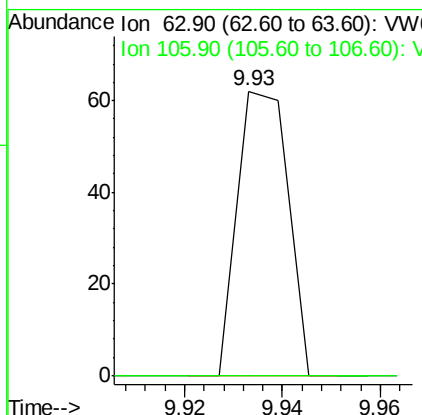
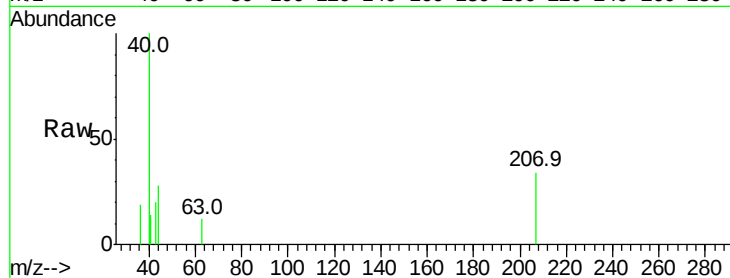




#58
 2-Chloroethyl Vinyl ether
 Concen: 25.881 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000941.D
 Acq: 24 Jan 2018 11:42

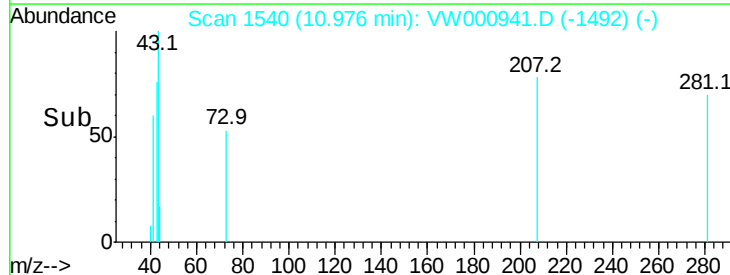
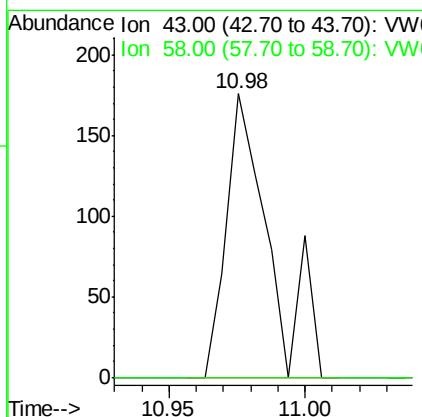
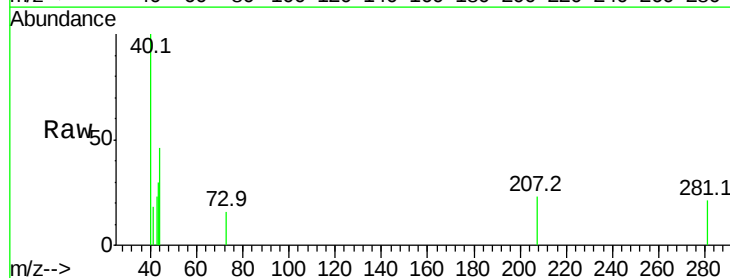
Instrument :
 MSVOA_W
 ClientSampleId :

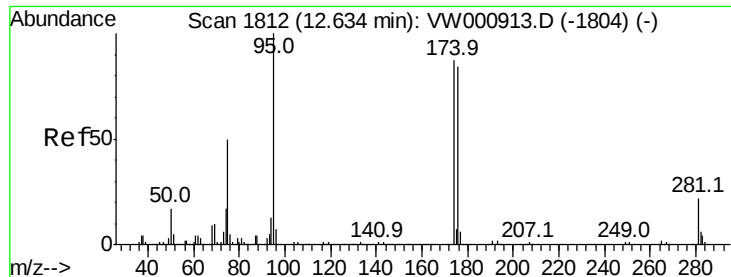
Tot Ion: 63 Resp: 45
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.8 35.8#



#59
 2-Hexanone
 Concen: 14.799 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: VW000941.D
 Acq: 24 Jan 2018 11:42

Tgt Ion: 43 Resp: 195
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.4 82.2#

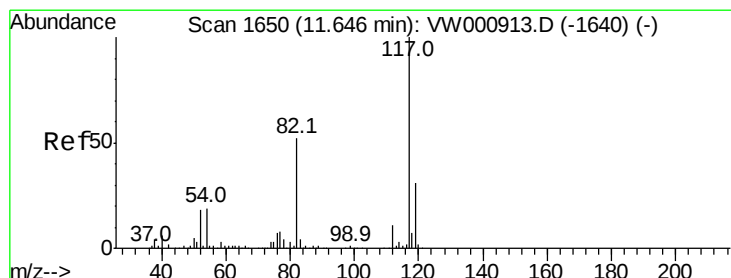
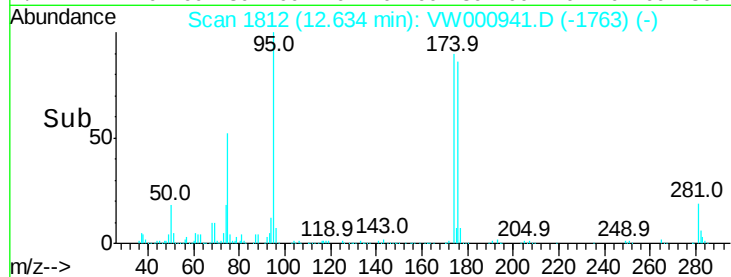
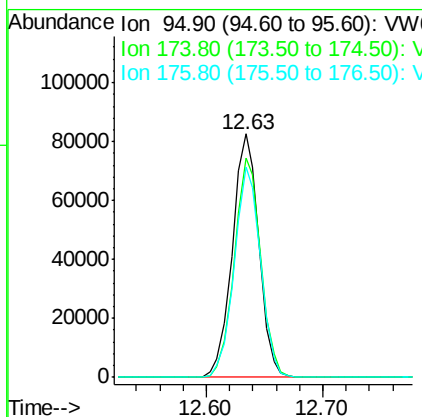
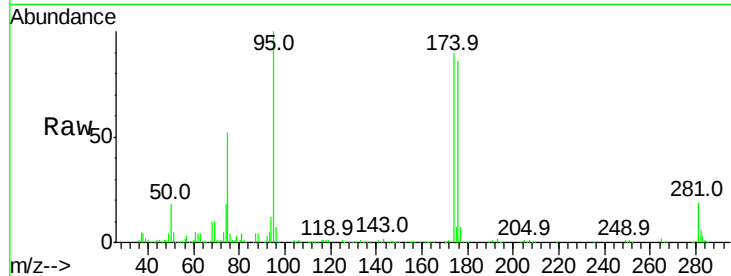




#62
4-Bromofluorobenzene
Concen: 46.844 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VW000941.D
Acq: 24 Jan 2018 11:42

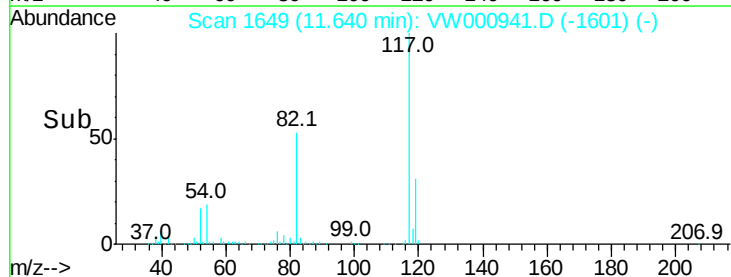
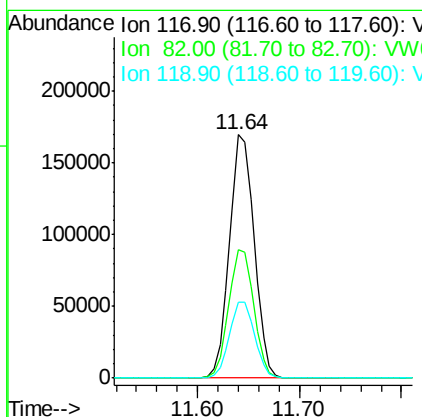
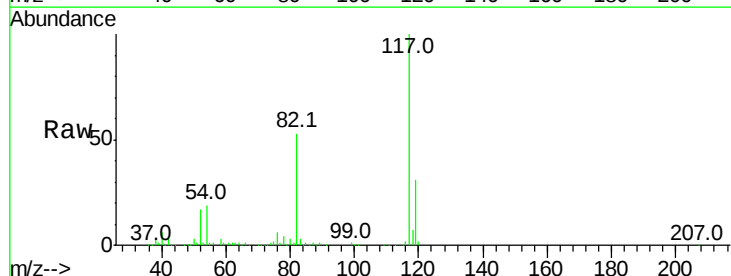
Instrument :
MSVOA_W
ClientSampleId :

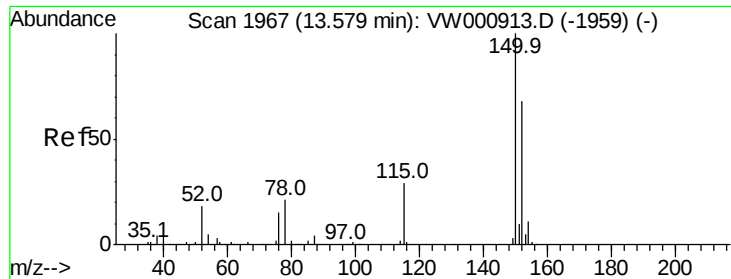
Tot Ion: 95 Resp: 130544
Ion Ratio Lower Upper
95 100
174 89.7 0.0 176.8
176 85.9 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VW000941.D
Acq: 24 Jan 2018 11:42

Tgt Ion: 117 Resp: 283903
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.6
119 31.3 25.2 37.8



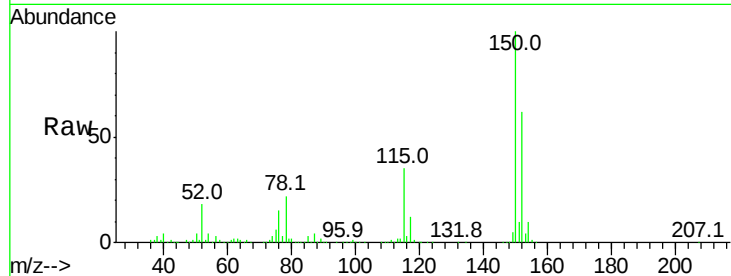


#72

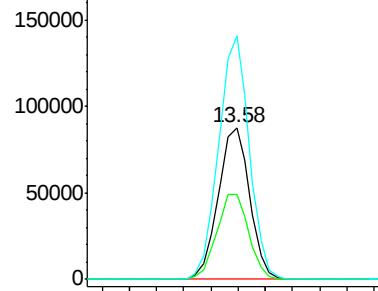
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VW000941.D
Acq: 24 Jan 2018 11:42

Instrument :
MSVOA_W
ClientSampleId :

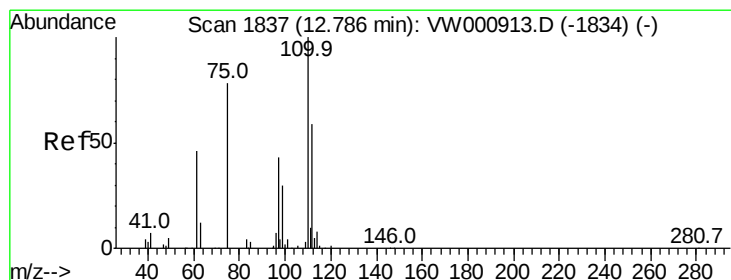
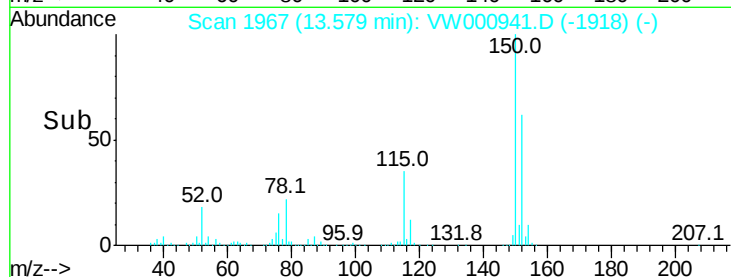
Tot Ion:152 Resp: 141836
Ion Ratio Lower Upper
152 100
115 57.2 28.5 85.5
150 156.3 0.0 342.0



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



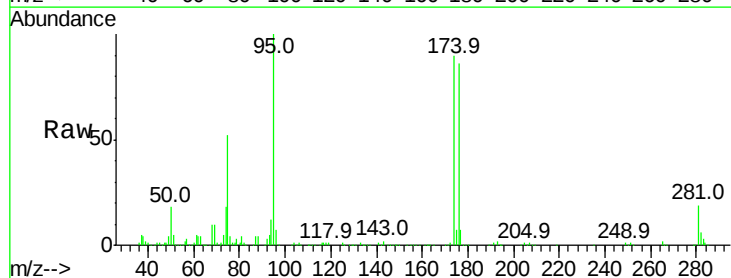
Time-->



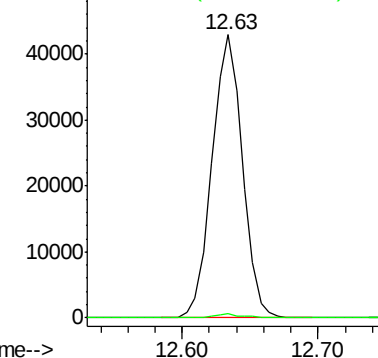
#76

1,2,3-Trichloropropane
Concen: 40.695 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. -0.15 min
Lab File: VW000941.D
Acq: 24 Jan 2018 11:42

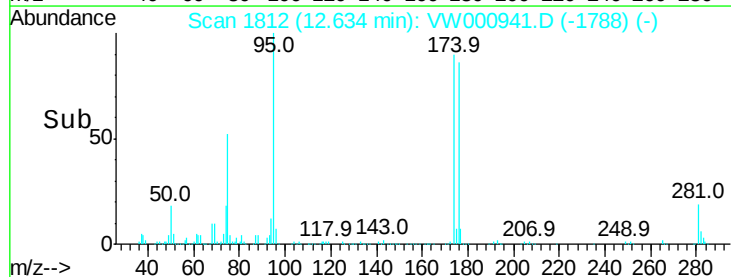
Tgt Ion: 75 Resp: 66792
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

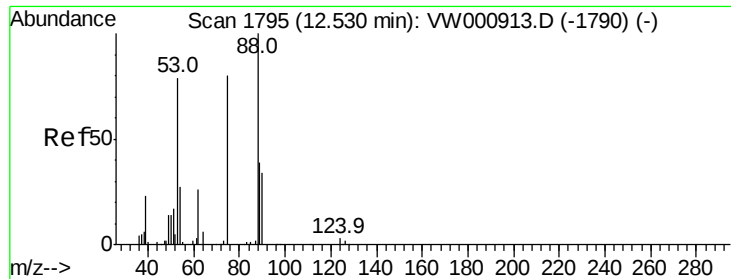


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 97.370 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000941.D

Acq: 24 Jan 2018 11:42

Instrument :

MSVOA_W

ClientSampleId :

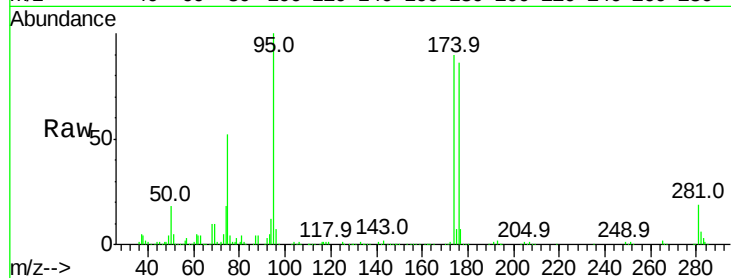
Tot Ion: 75 Resp: 66792

Ion Ratio Lower Upper

75 100

53 0.1 77.5 116.3#

89 0.0 38.2 57.4#



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

