

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003973.D
 Acq On : 17 Jul 2018 02:41
 Operator : VA/AP
 Sample : J3542-01RE
 Misc : 6.34G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 08:49:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	157787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	46479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	76107	71.12	ug/l	0.00
Spiked Amount			Recovery	=	142.24%	
35) Dibromofluoromethane	7.88	113	62859	62.09	ug/l	0.00
Spiked Amount			Recovery	=	124.18%	
50) Toluene-d8	10.33	98	159408	40.58	ug/l	0.00
Spiked Amount			Recovery	=	81.16%	
62) 4-Bromofluorobenzene	12.62	95	49946	35.26	ug/l	0.00
Spiked Amount			Recovery	=	70.52%	

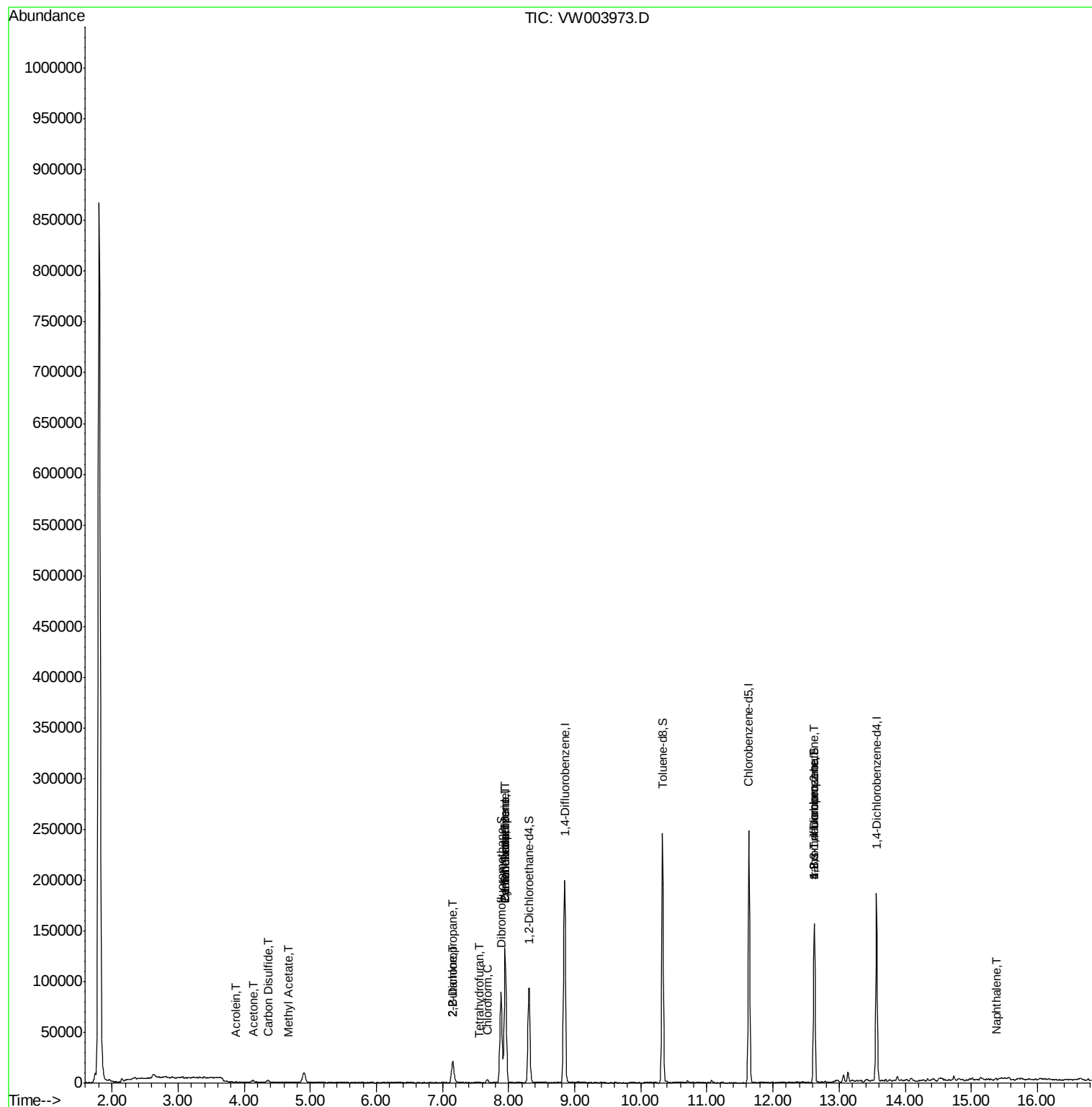
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.88	56	138	1.818	ug/l #	74
16) Acetone	4.14	43	3243	12.612	ug/l #	81
17) Carbon Disulfide	4.35	76	4075	1.403	ug/l #	92
18) Methyl Acetate	4.68	43	1318	2.135	ug/l #	58
20) Methylene Chloride	4.90	84	7365	Below Cal	#	95
25) 2-Butanone	7.15	43	1273	3.679	ug/l #	75
26) 2,2-Dichloropropane	7.16	77	1416	1.303	ug/l #	52
29) Tetrahydrofuran	7.56	42	236	1.095	ug/l #	36
30) Chloroform	7.68	83	2552	1.355	ug/l	92
31) Cyclohexane	7.95	56	2639	1.487	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	8465	5.214	ug/l #	48
38) Carbon Tetrachloride	7.95	117	9886	6.517	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	25815	55.946	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25815	123.750	ug/l #	11
95) Naphthalene	15.38	128	1910	1.054	ug/l	97

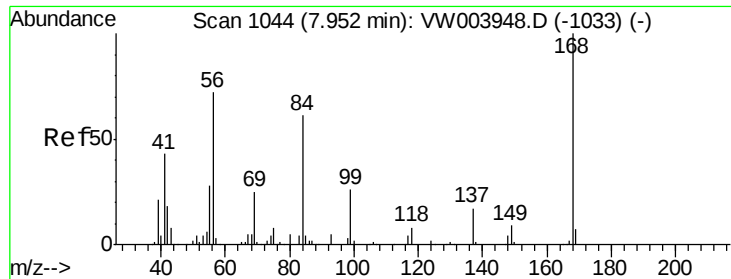
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003973.D

Acq: 17 Jul 2018 02:41

Instrument :

MSVOA_W

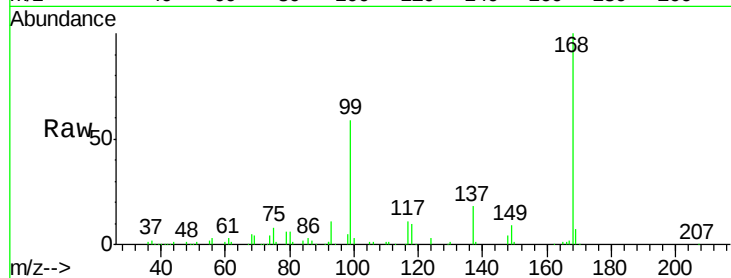
ClientSampleId :

Tot Ion:168 Resp: 95733

Ion Ratio Lower Upper

168 100

99 58.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

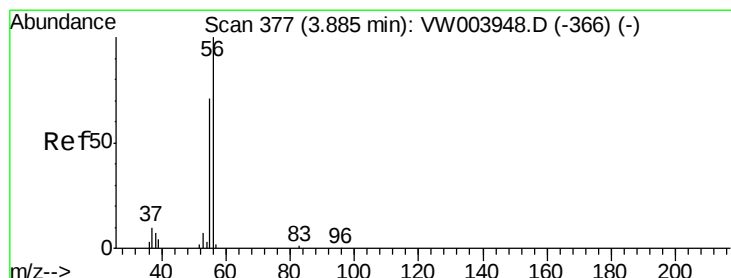
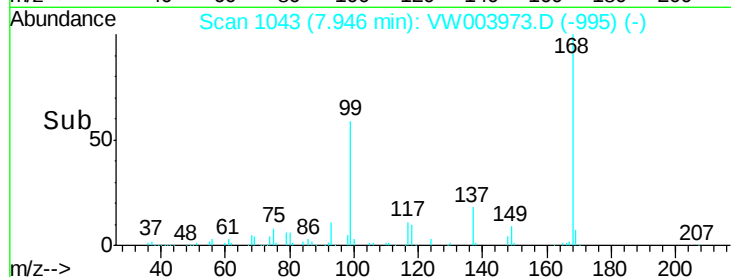
20000

10000

0

7.90 8.00

Time-->



#13

Acrolein

Concen: 1.818 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VW003973.D

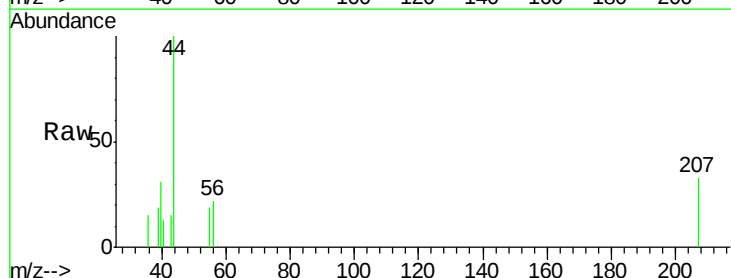
Acq: 17 Jul 2018 02:41

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 94.9 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.88

120

100

80

60

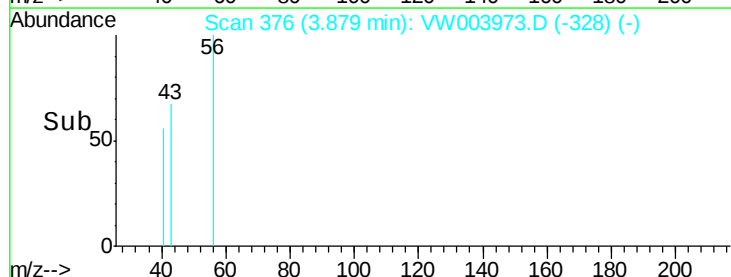
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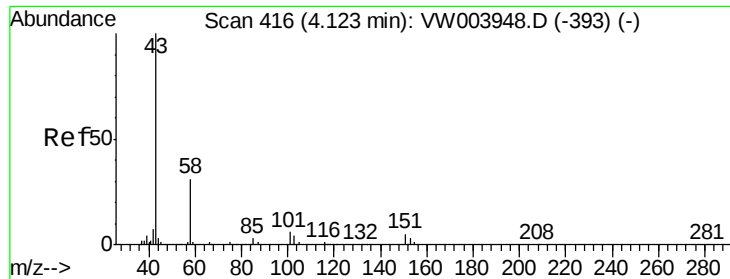
20

0

3.86 3.88 3.90 3.92

Time-->





#16

Acetone

Concen: 12.612 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW003973.D

Acq: 17 Jul 2018 02:41

Instrument :

MSVOA_W

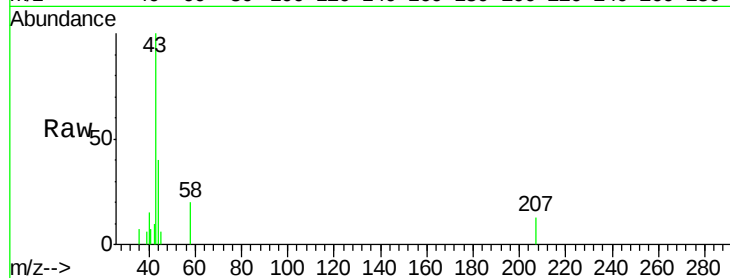
ClientSampled :

Tot Ion: 43 Resp: 3243

Ion Ratio Lower Upper

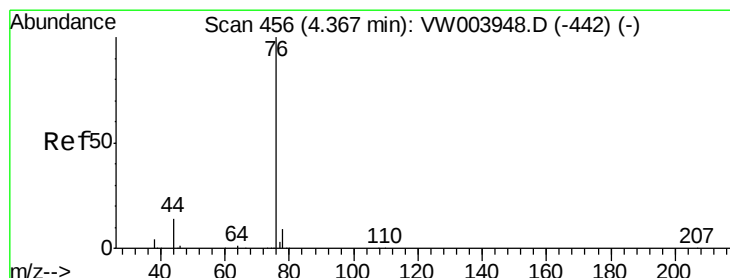
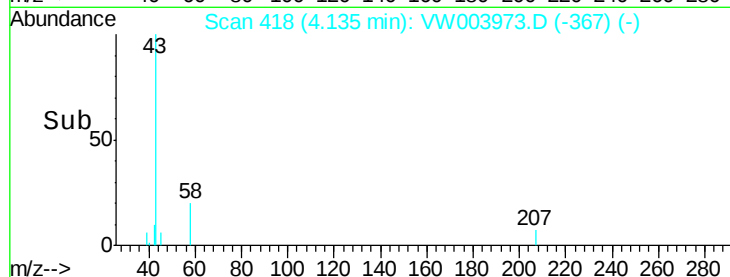
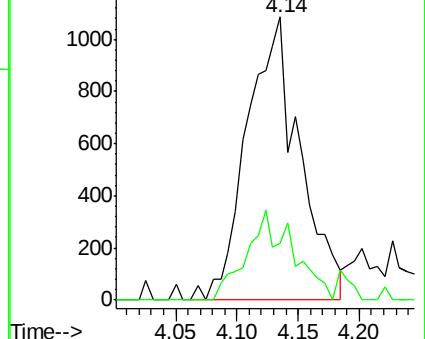
43 100

58 20.0 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.403 ug/l

RT: 4.35 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW003973.D

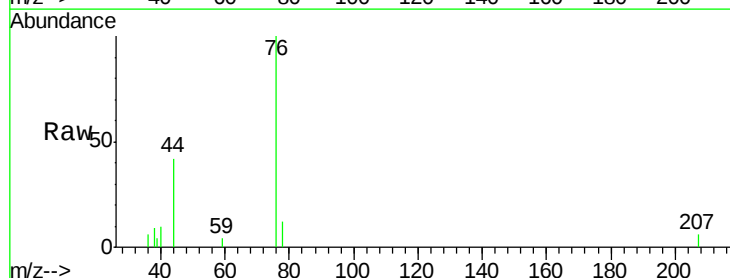
Acq: 17 Jul 2018 02:41

Tgt Ion: 76 Resp: 4075

Ion Ratio Lower Upper

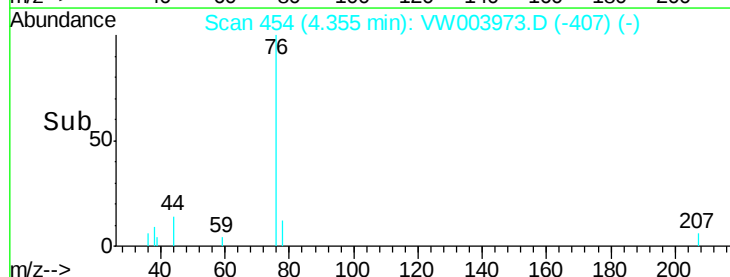
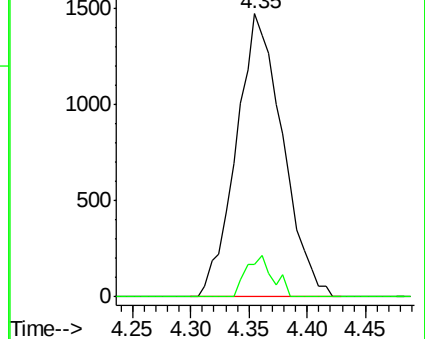
76 100

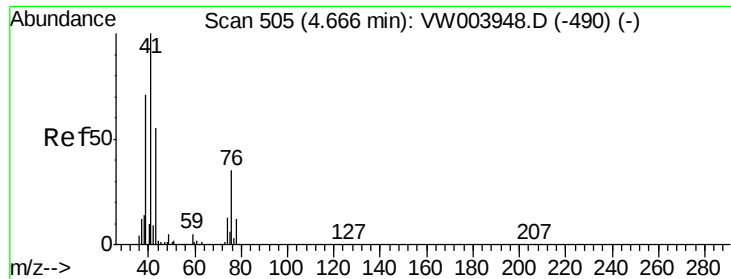
78 11.7 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

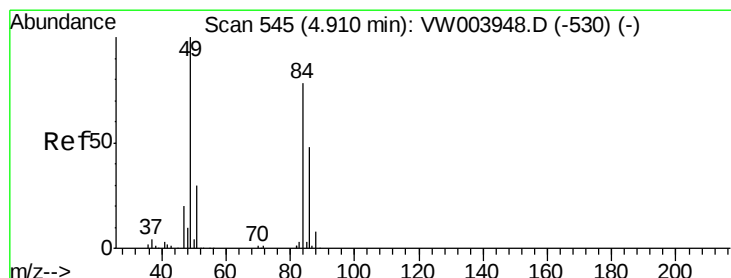
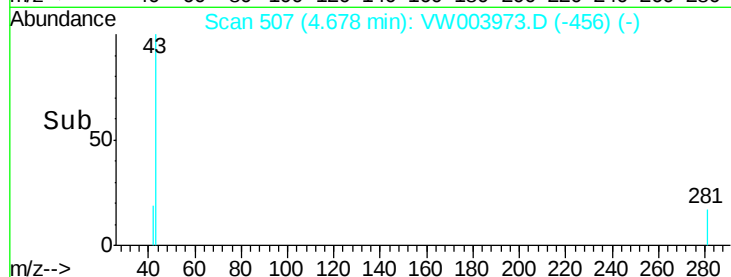
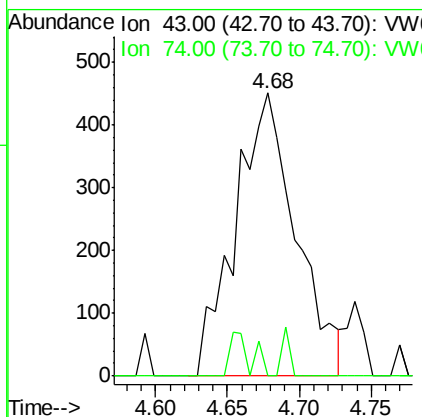
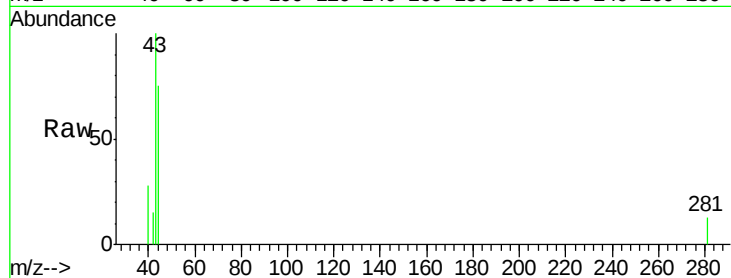




#18
Methvl Acetate
Concen: 2.135 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

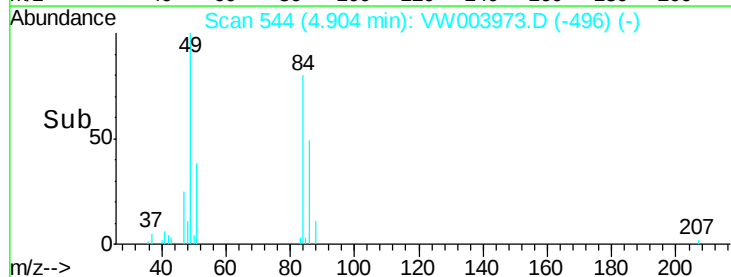
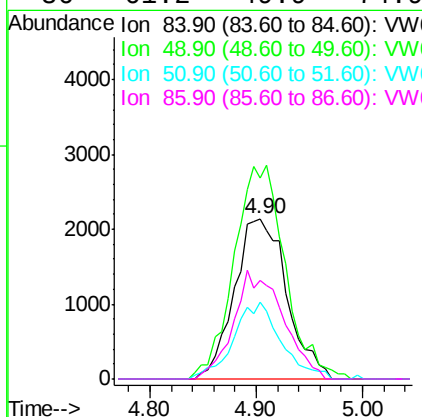
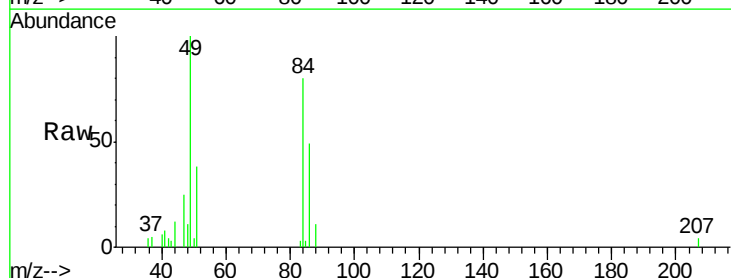
Instrument :
MSVOA_W
ClientSampled :

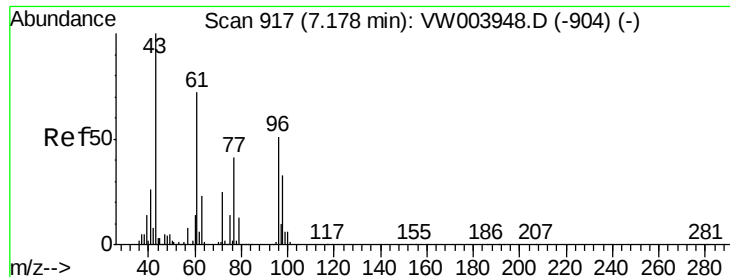
Tot Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
74 2.1 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

Tgt Ion: 84 Resp: 7365
Ion Ratio Lower Upper
84 100
49 125.6 102.9 154.3
51 48.1 30.9 46.3#
86 61.2 49.9 74.9





#25

2-Butanone

Concen: 3.679 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.03 min

Lab File: VW003973.D

Acq: 17 Jul 2018 02:41

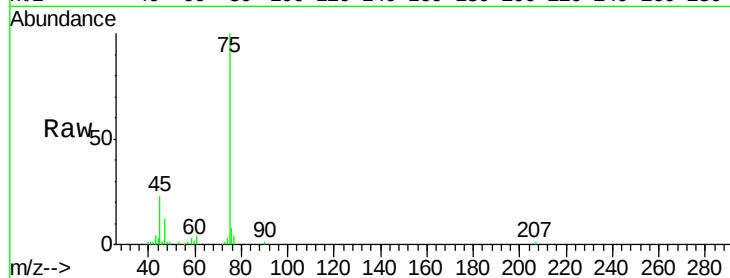
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1273

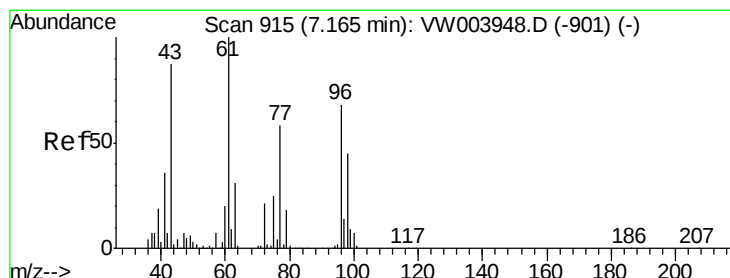
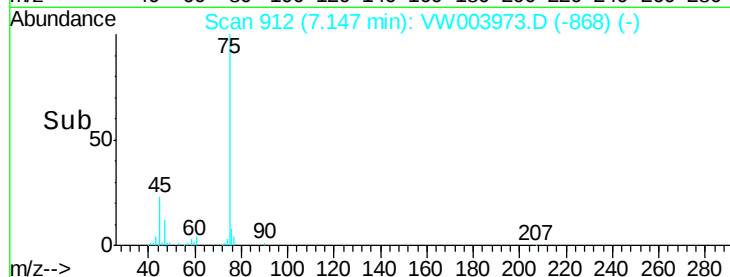
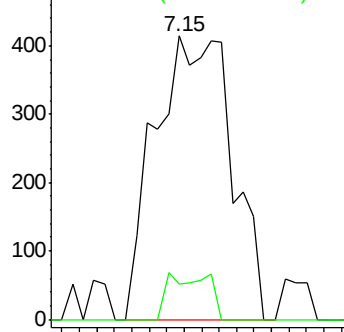
Ion Ratio Lower Upper

43 100

72 12.3 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.303 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003973.D

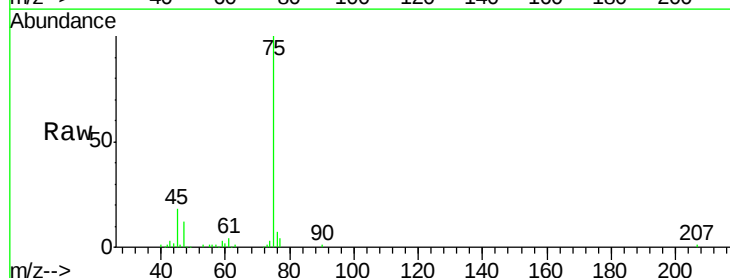
Acq: 17 Jul 2018 02:41

Tgt Ion: 77 Resp: 1416

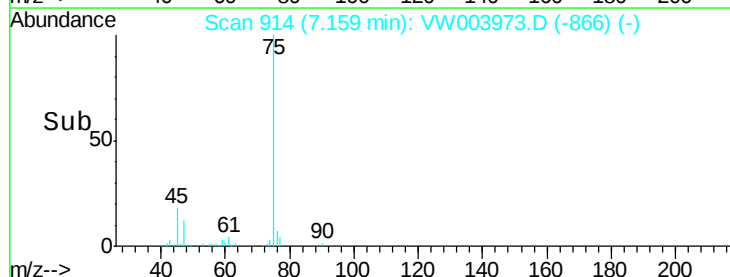
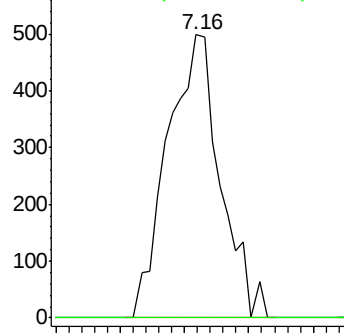
Ion Ratio Lower Upper

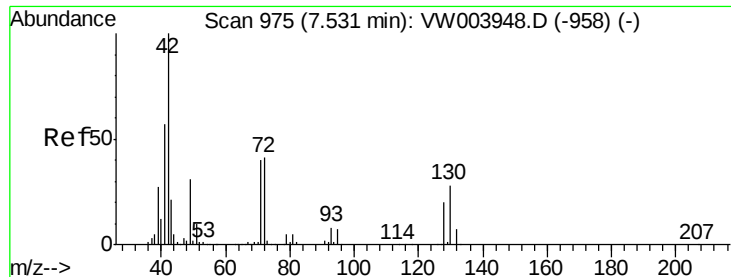
77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW

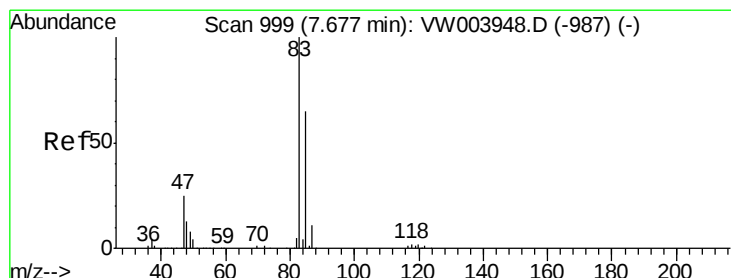
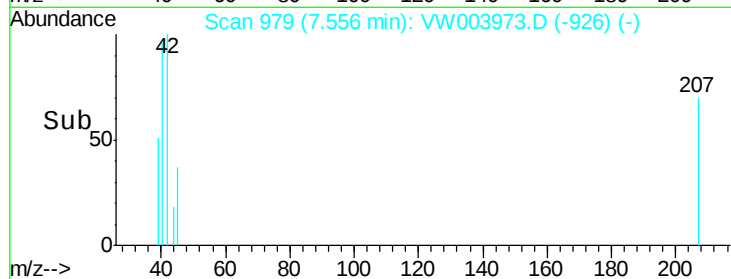
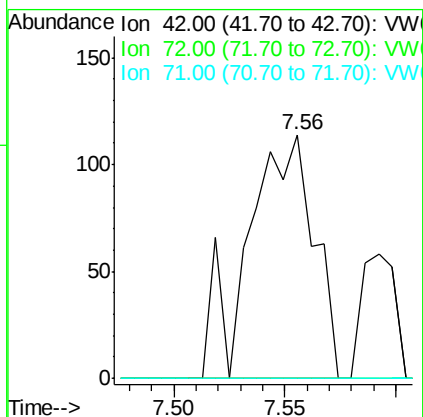
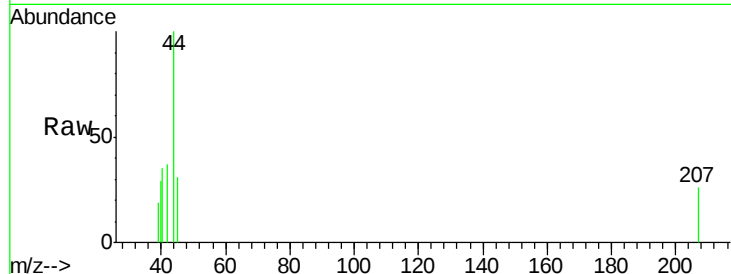




#29
Tetrahydrofuran
Concen: 1.095 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

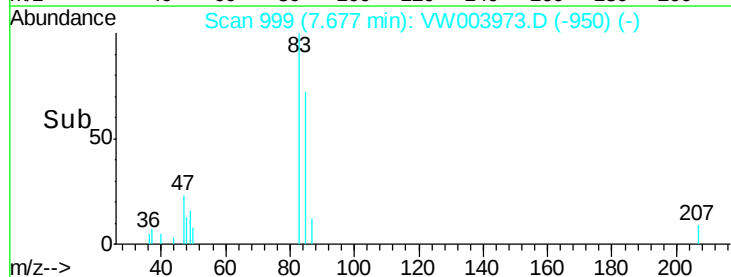
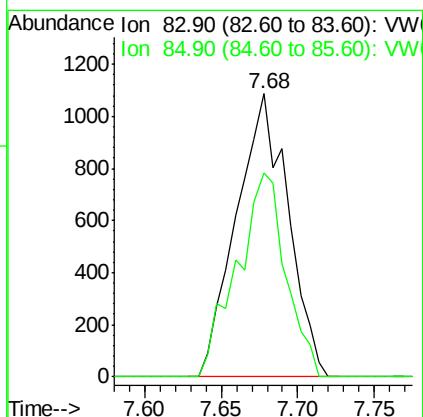
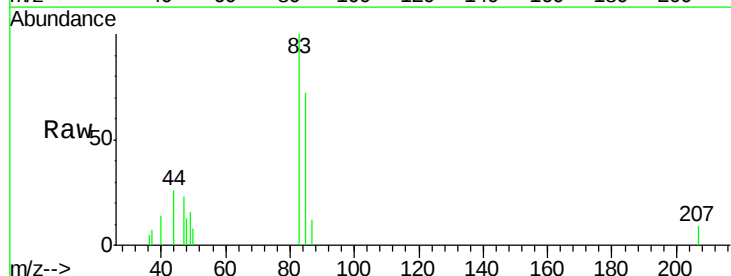
Instrument :
MSVOA_W
ClientSampled :

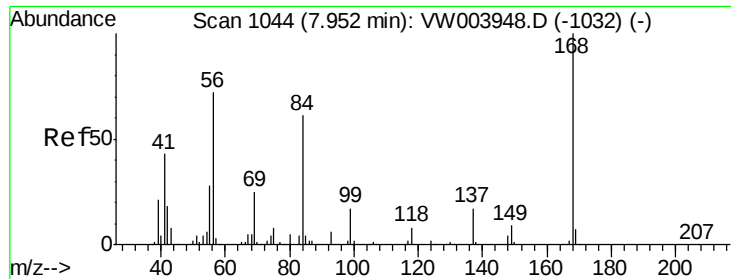
Tot Ion: 42 Resp: 236
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 30.5 45.7#



#30
Chloroform
Concen: 1.355 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

Tgt Ion: 83 Resp: 2552
Ion Ratio Lower Upper
83 100
85 71.8 52.2 78.4

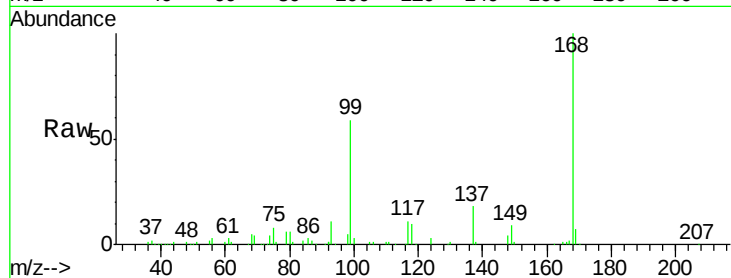




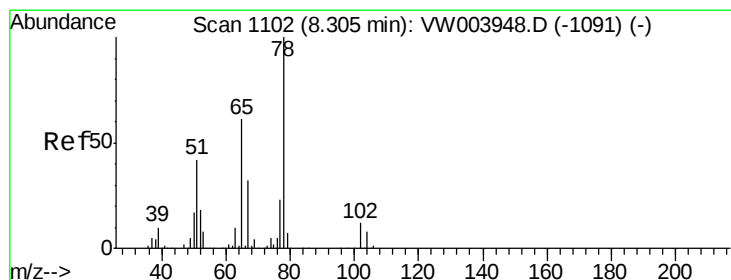
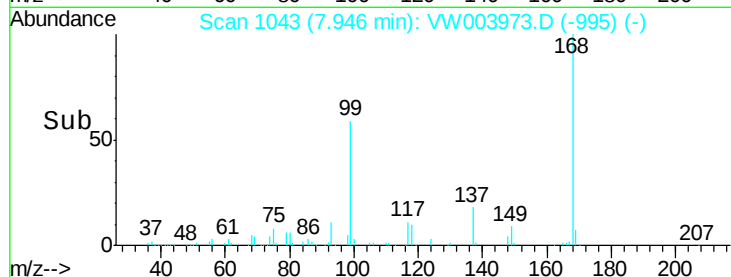
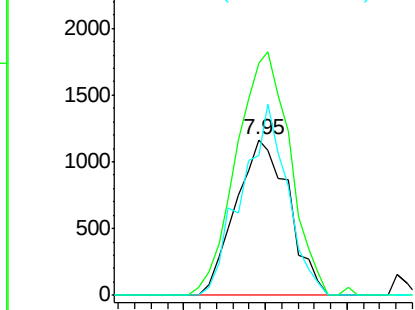
#31
Cvclohexane
Concen: 1.487 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 2639
Ion Ratio Lower Upper
56 100
69 149.4 27.8 41.8#
84 89.9 67.2 100.8

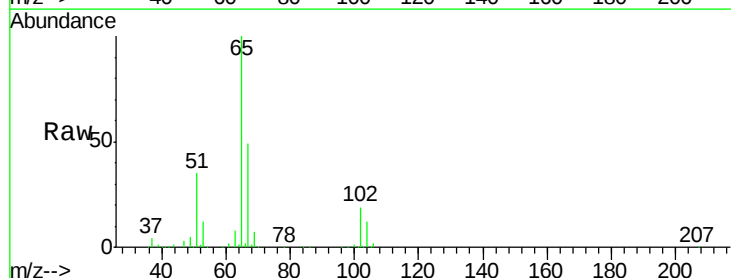


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

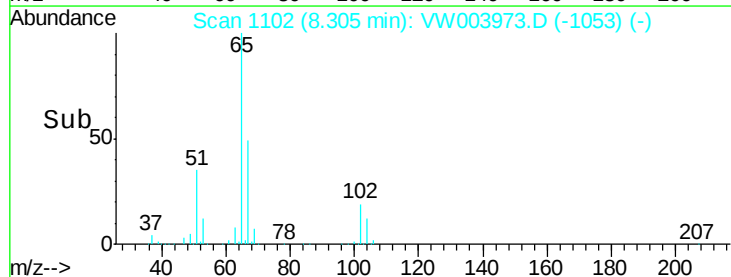
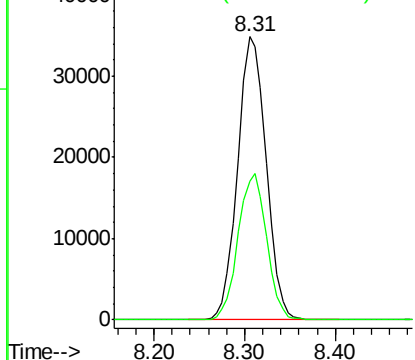


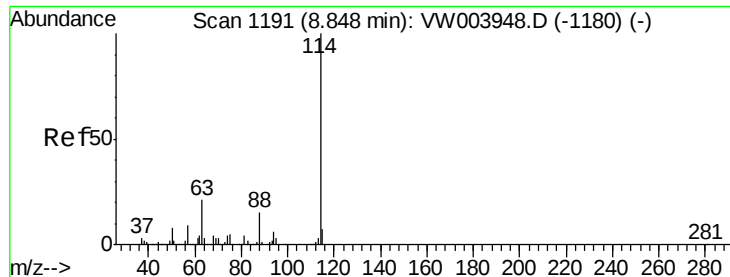
#33
1,2-Dichloroethane-d4
Concen: 71.121 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

Tgt Ion: 65 Resp: 76107
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0



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

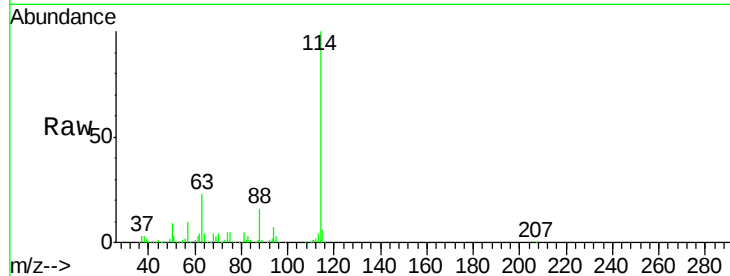




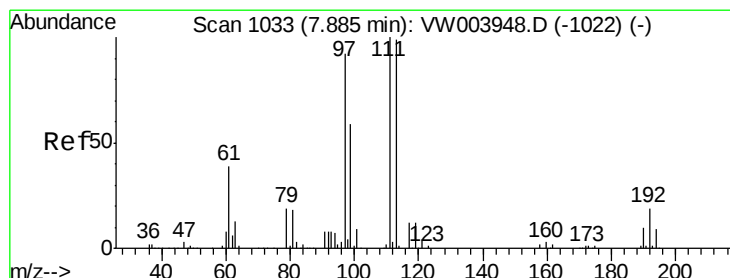
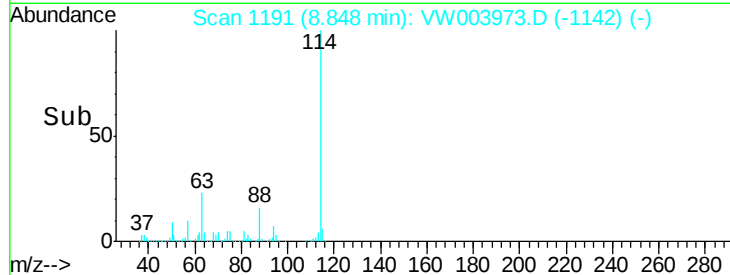
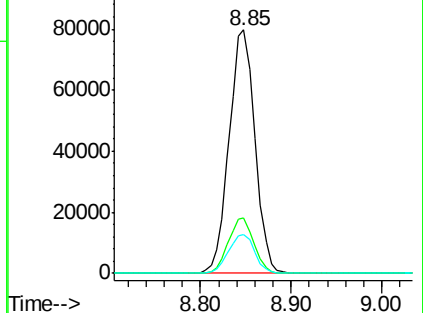
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 157787
Ion Ratio Lower Upper
114 100
63 22.5 0.0 42.8
88 16.1 0.0 30.4

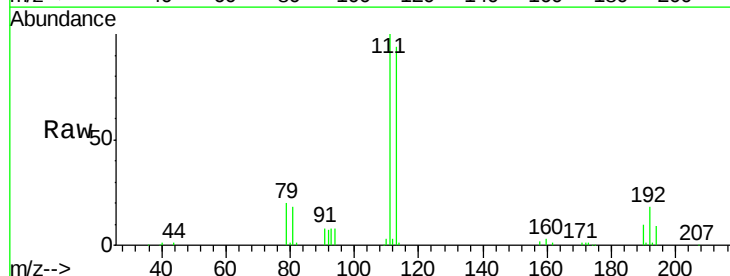


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

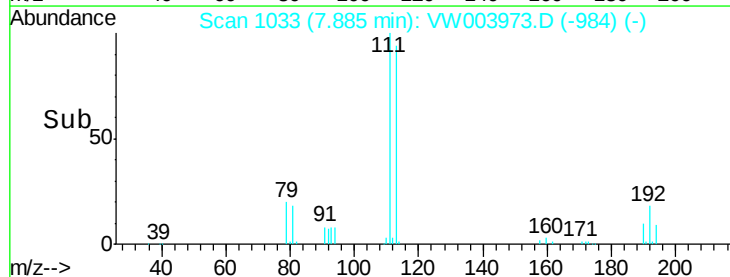
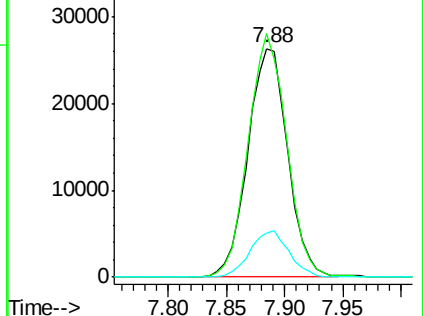


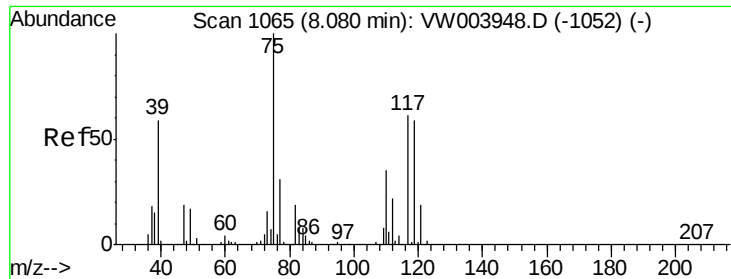
#35
Dibromofluoromethane
Concen: 62.089 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

Tgt Ion:113 Resp: 62859
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.9 15.8 23.6



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

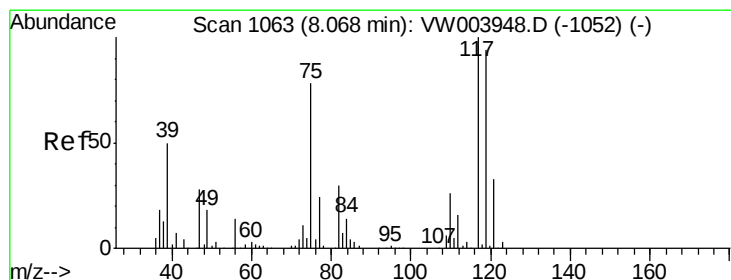
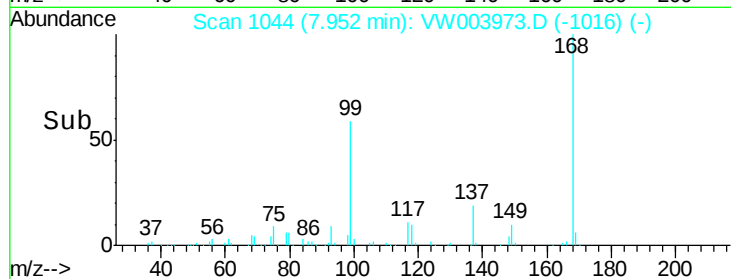
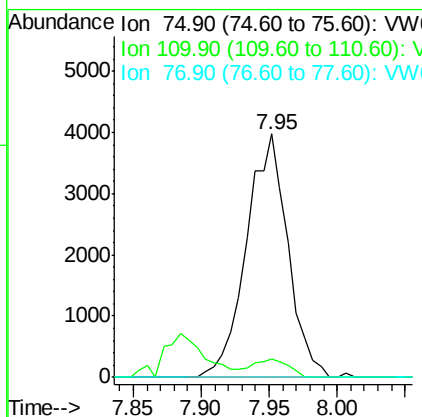
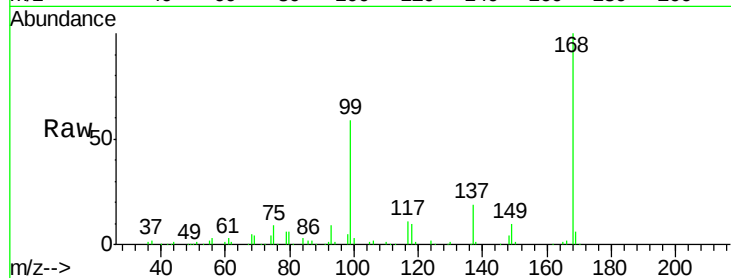




#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003973.D
 Acq: 17 Jul 2018 02:41

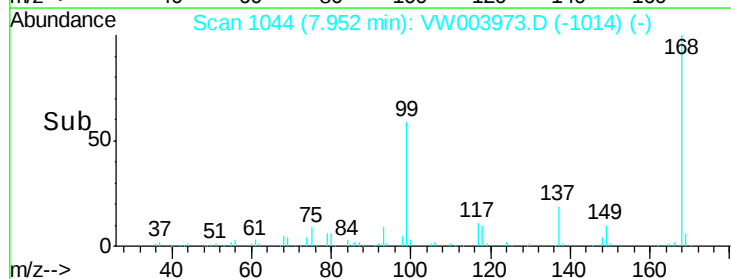
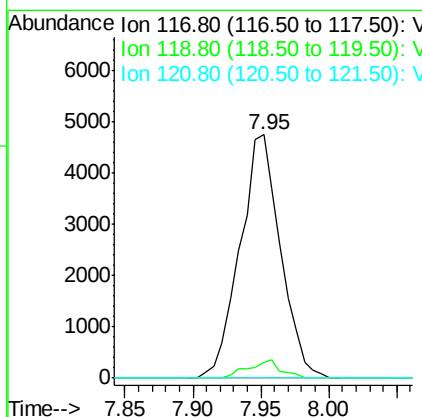
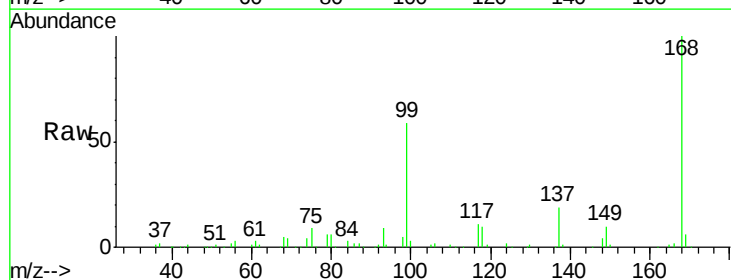
Instrument :
 MSVOA_W
 ClientSampled :

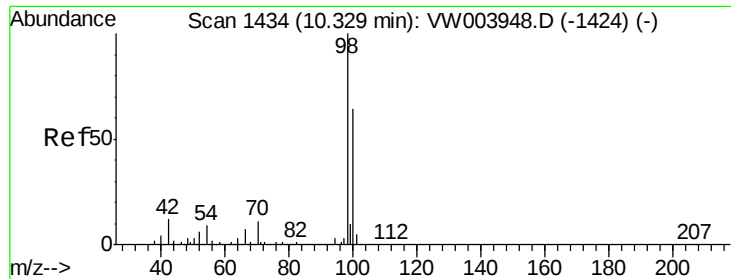
Tot Ion: 75 Resp: 8465
 Ion Ratio Lower Upper
 75 100
 110 6.5 17.0 51.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.517 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003973.D
 Acq: 17 Jul 2018 02:41

Tgt Ion: 117 Resp: 9886
 Ion Ratio Lower Upper
 117 100
 119 6.6 75.3 112.9#
 121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 40.579 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003973.D

Acq: 17 Jul 2018 02:41

Instrument :

MSVOA_W

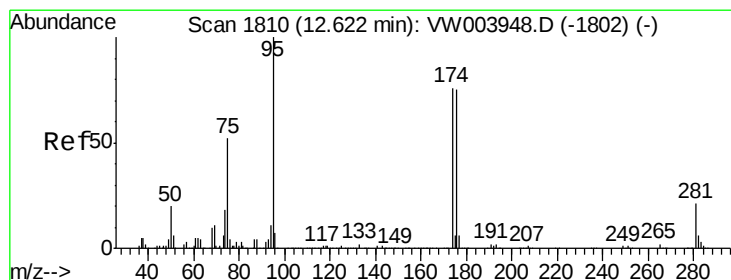
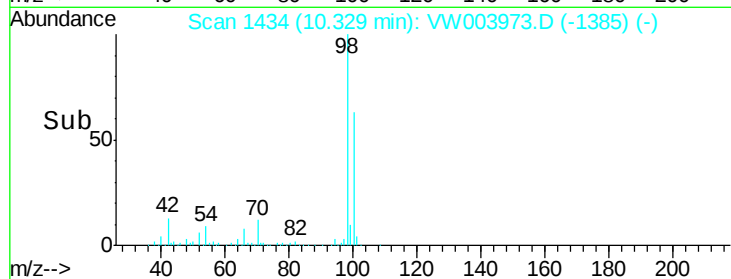
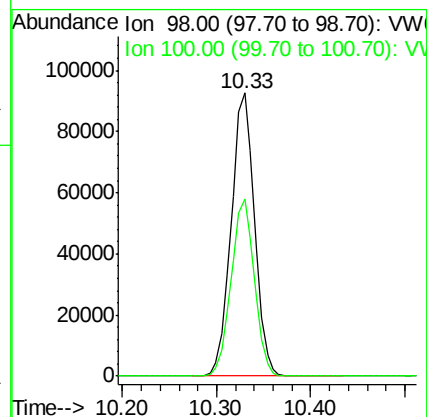
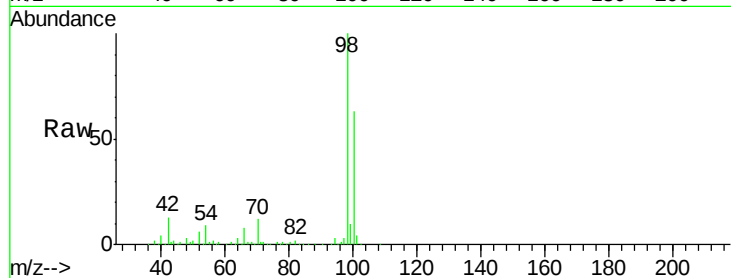
ClientSampled :

Tot Ion: 98 Resp: 159408

Ion Ratio Lower Upper

98 100

100 62.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 35.258 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003973.D

Acq: 17 Jul 2018 02:41

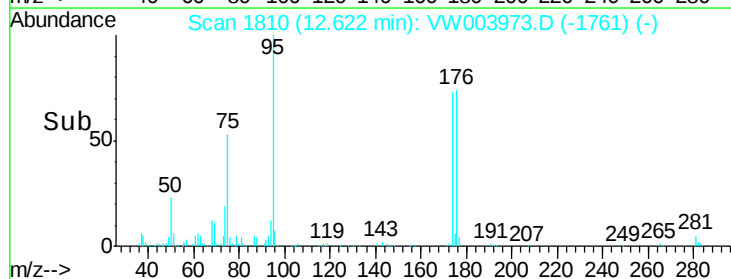
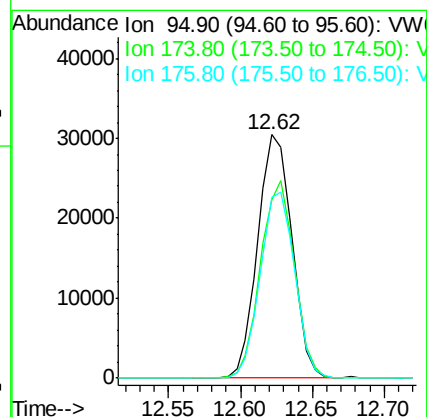
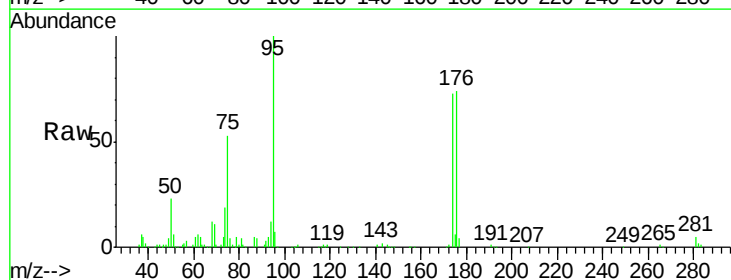
Tgt Ion: 95 Resp: 49946

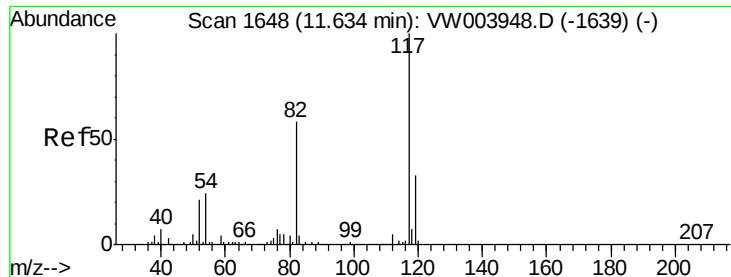
Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.2

176 77.0 0.0 155.8

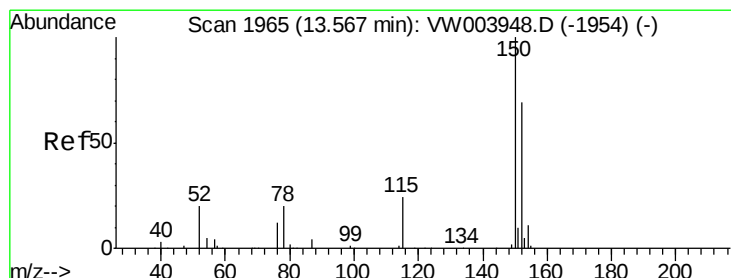
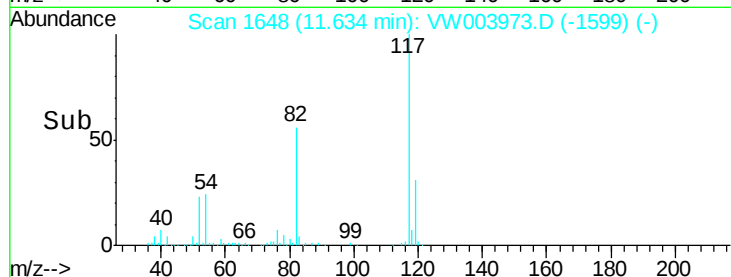
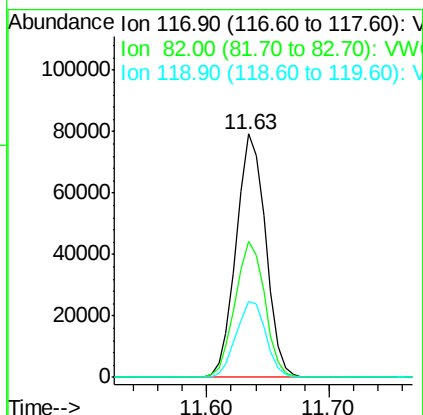
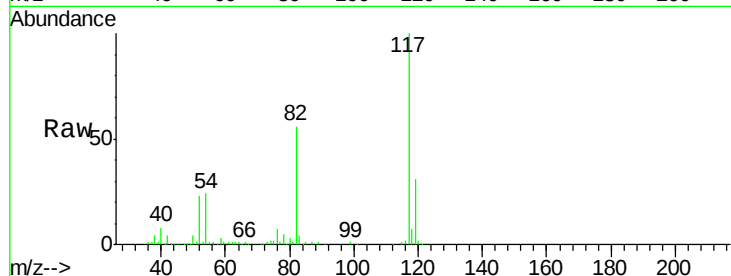




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

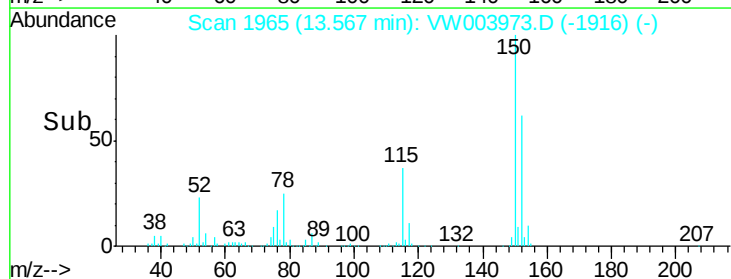
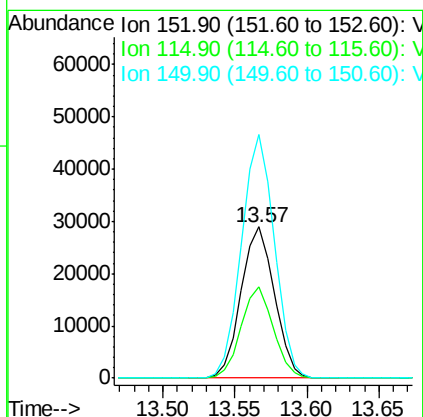
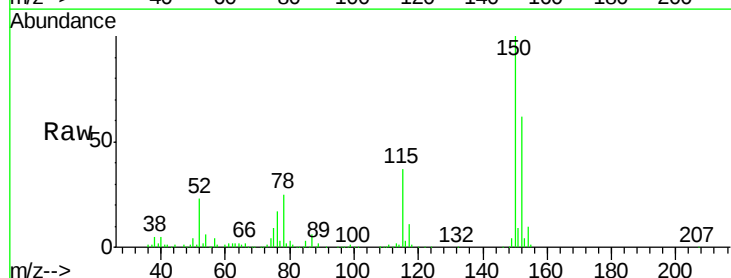
Instrument :
MSVOA_W
ClientSampled :

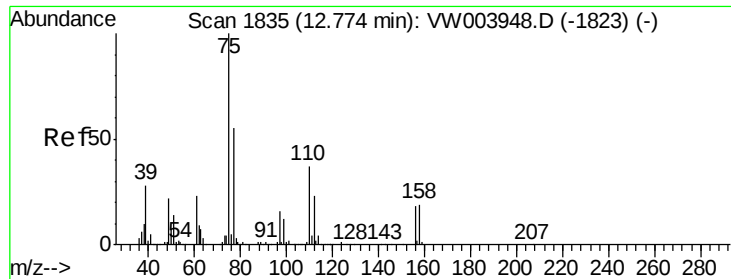
Tot Ion:117 Resp: 132328
Ion Ratio Lower Upper
117 100
82 55.9 46.5 69.7
119 31.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003973.D
Acq: 17 Jul 2018 02:41

Tgt Ion:152 Resp: 46479
Ion Ratio Lower Upper
152 100
115 58.4 29.2 87.6
150 158.6 0.0 345.2

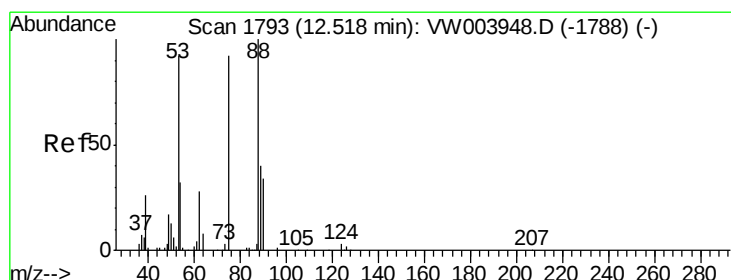
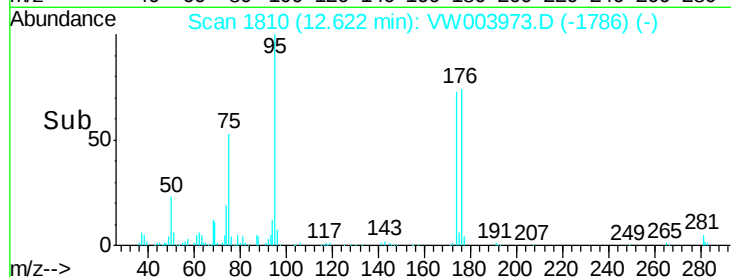
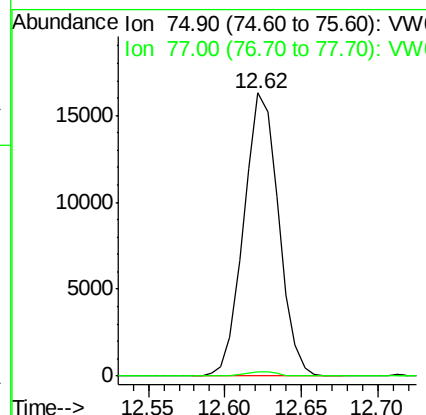
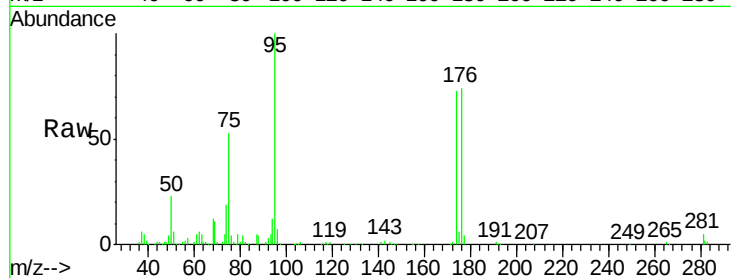




#76
 1,2,3-Trichloropropane
 Concen: 55.946 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003973.D
 Acq: 17 Jul 2018 02:41

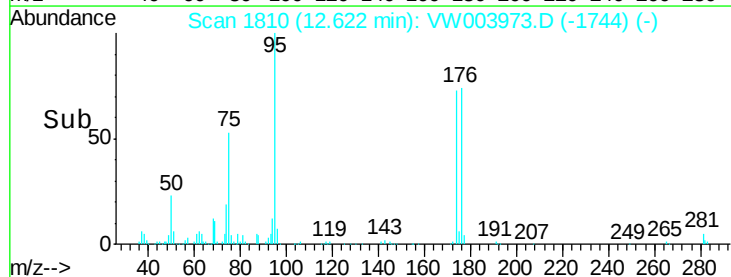
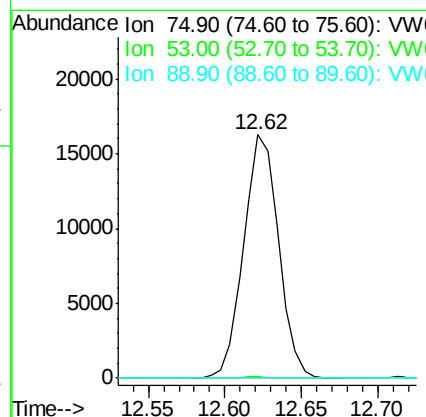
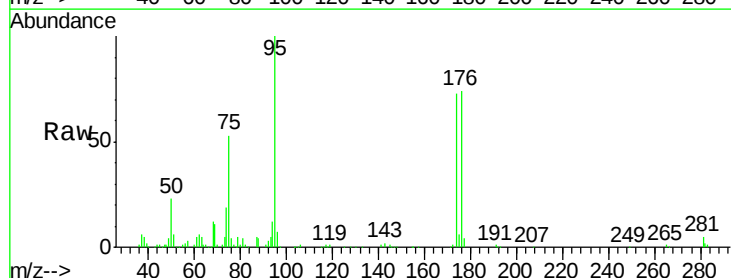
Instrument :
 MSVOA_W
 ClientSampleId :

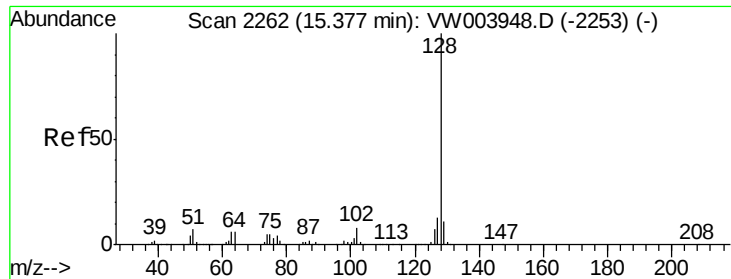
Tot Ion: 75 Resp: 25815
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.750 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003973.D
 Acq: 17 Jul 2018 02:41

Tgt Ion: 75 Resp: 25815
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.6 116.4#
 89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 1.054 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

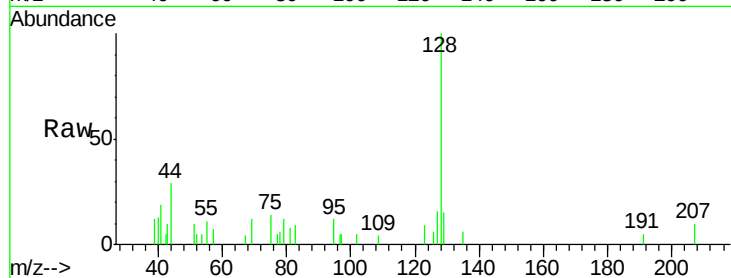
Lab File: VW003973.D

Acq: 17 Jul 2018 02:41

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:128 Resp: 1910

Ion Ratio Lower Upper

128 100

127 13.8 10.7 16.1

129 12.7 8.7 13.1

