

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003723.D
 Acq On : 05 Jul 2018 16:09
 Operator : SY/AP
 Sample : J3858-02
 Misc : 11.35G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:36:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	100533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	158562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	55487	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	62374	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
35) Dibromofluoromethane	7.88	113	51793	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.33	98	151665	37.36	ug/l	0.00
Spiked Amount			Recovery	=	74.72%	
62) 4-Bromofluorobenzene	12.62	95	47130	32.31	ug/l	0.00
Spiked Amount			Recovery	=	64.62%	

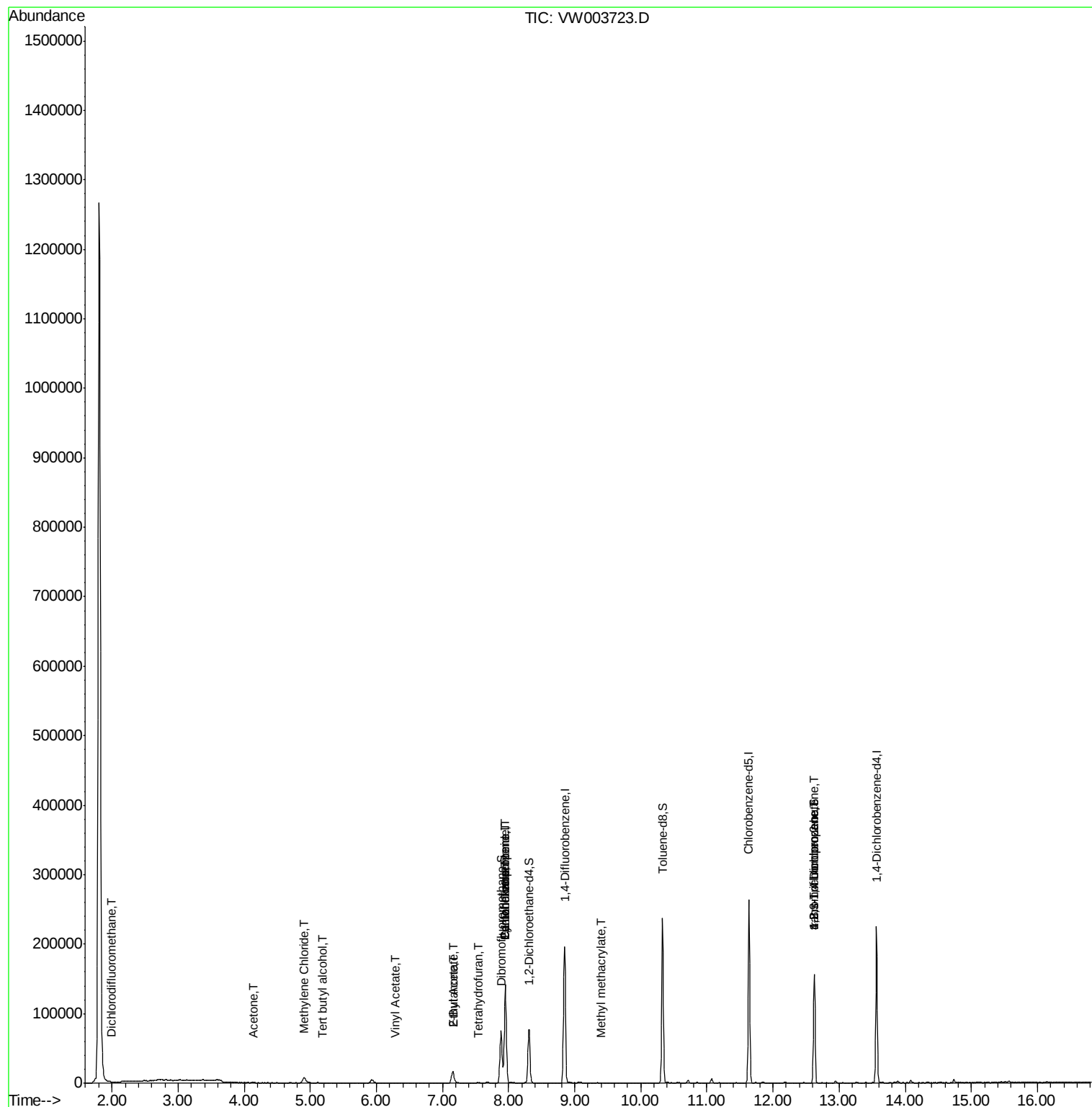
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	174	5.158	ug/l #	43
11) Tert butyl alcohol	5.18	59	205	2.733	ug/l #	71
16) Acetone	4.14	43	979	3.422	ug/l #	46
20) Methylene Chloride	4.91	84	5662	1.960	ug/l #	92
23) Vinyl Acetate	6.28	43	24	13.874	ug/l #	74
25) 2-Butanone	7.15	43	1254	3.423	ug/l #	50
29) Tetrahydrofuran	7.54	42	308	1.403	ug/l #	36
31) Cyclohexane	7.95	56	2817	1.537	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	8413	5.286	ug/l #	52
37) Ethyl Acetate	7.15	43	1254	1.619	ug/l #	1
38) Carbon Tetrachloride	7.95	117	10199	6.736	ug/l #	18
48) Methyl methacrylate	9.40	41	27	3.397	ug/l #	13
76) 1,2,3-Trichloropropane	12.62	75	24773	49.655	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	24773	105.215	ug/l #	9

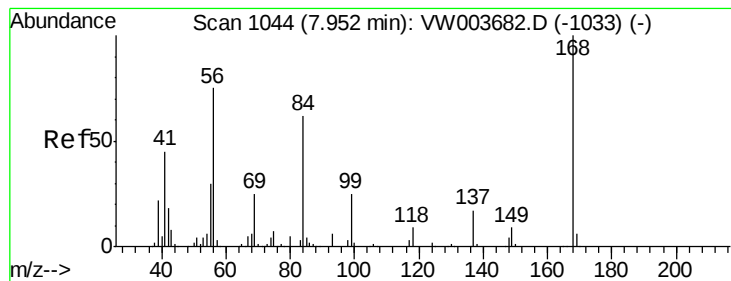
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

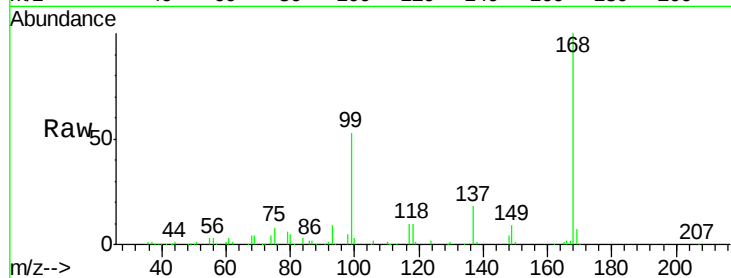
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 100533

Ion Ratio Lower Upper

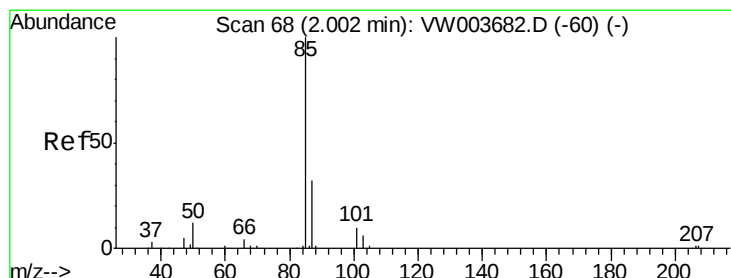
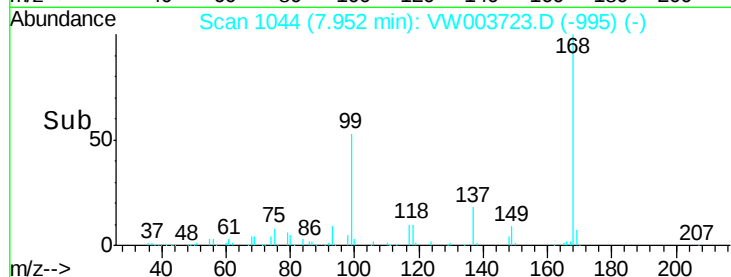
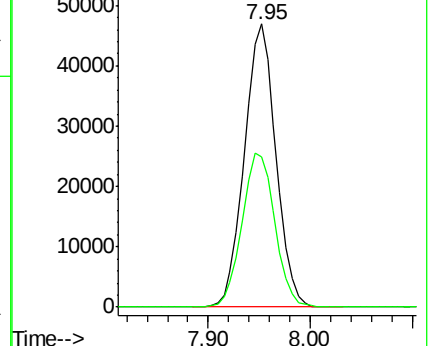
168 100

99 53.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.158 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003723.D

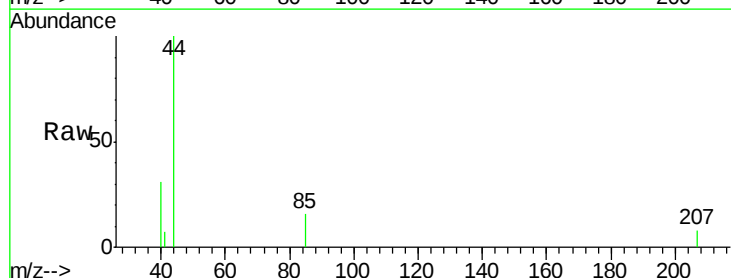
Acq: 05 Jul 2018 16:09

Tgt Ion: 85 Resp: 174

Ion Ratio Lower Upper

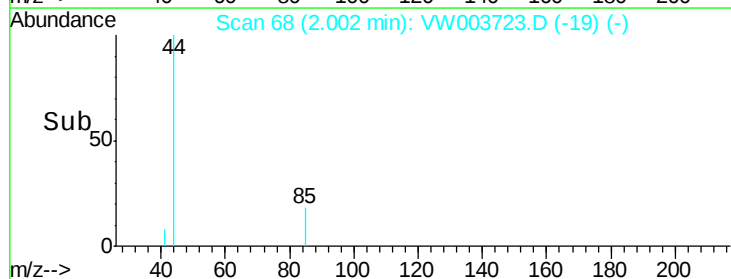
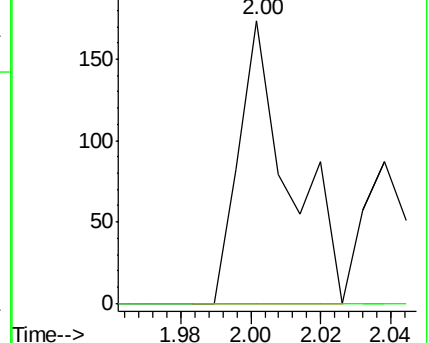
85 100

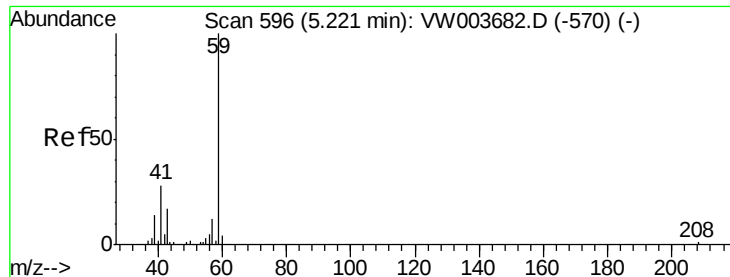
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



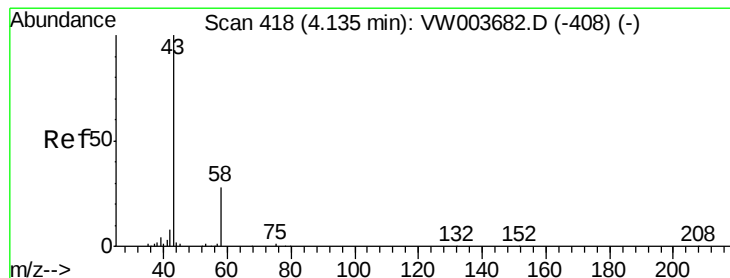
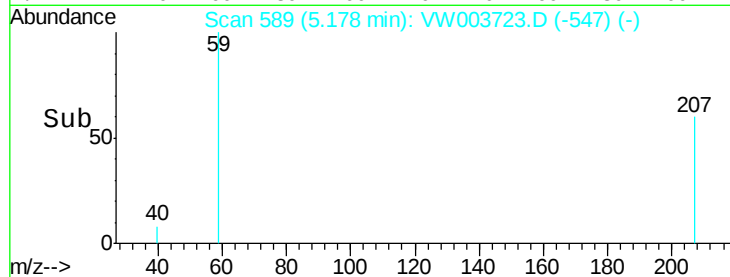
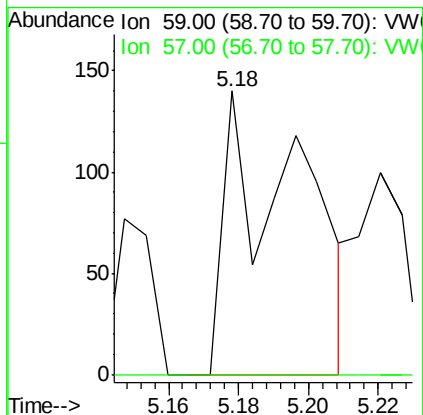
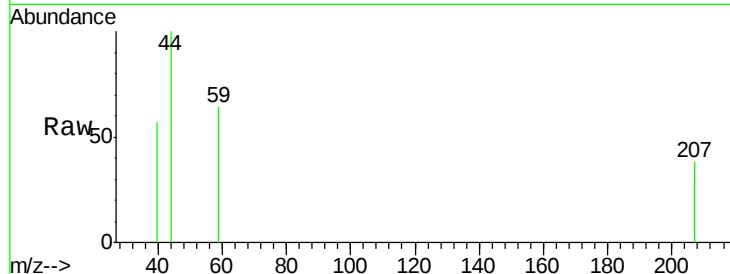


#11

Tert butyl alcohol
 Concen: 2.733 ug/l
 RT: 5.18 min Scan# 589
 Delta R.T. -0.04 min
 Lab File: VW003723.D
 Acq: 05 Jul 2018 16:09

Instrument :
 MSVOA_W
 ClientSampled :

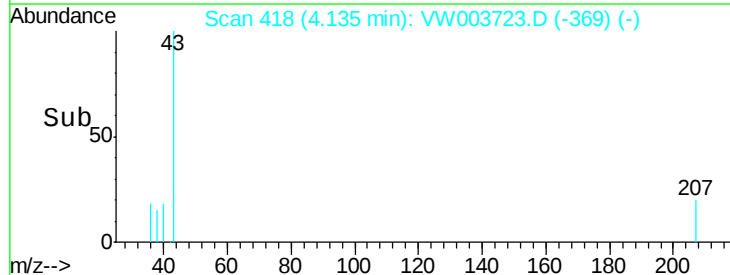
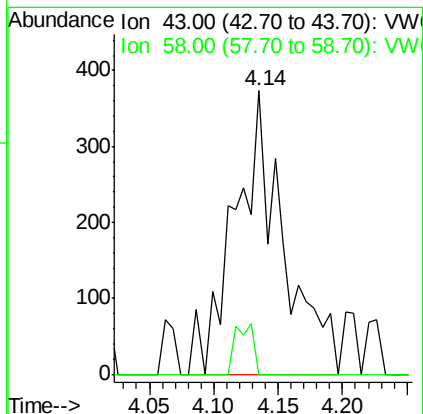
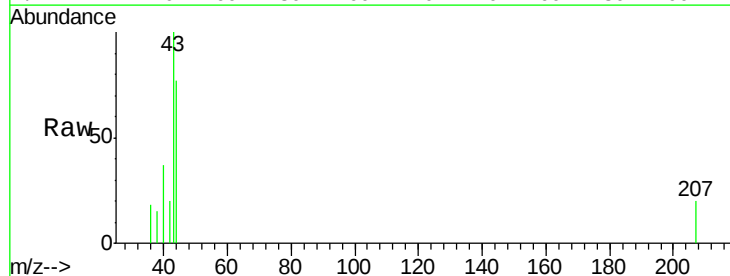
Tot Ion: 59 Resp: 205
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

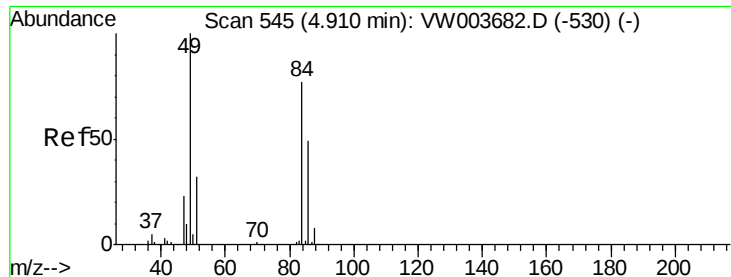


#16

Acetone
 Concen: 3.422 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VW003723.D
 Acq: 05 Jul 2018 16:09

Tgt Ion: 43 Resp: 979
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.7 34.1#

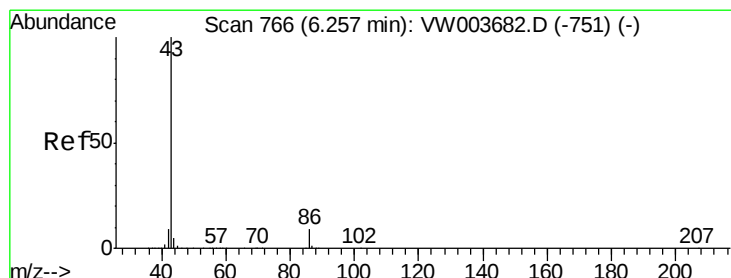
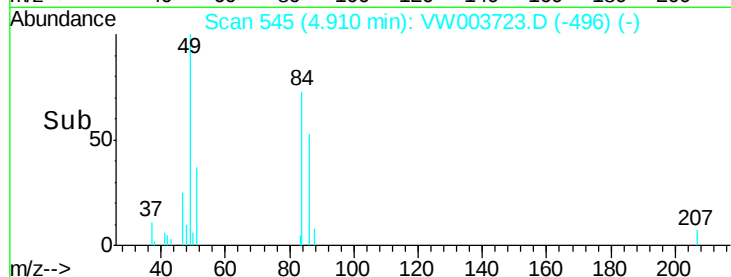
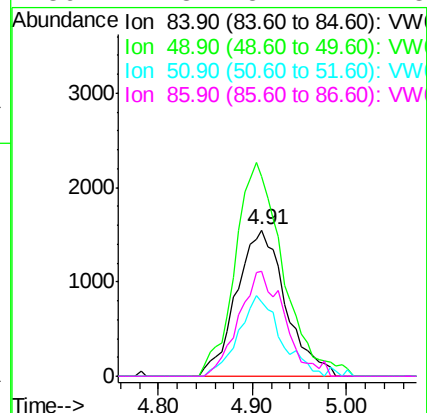
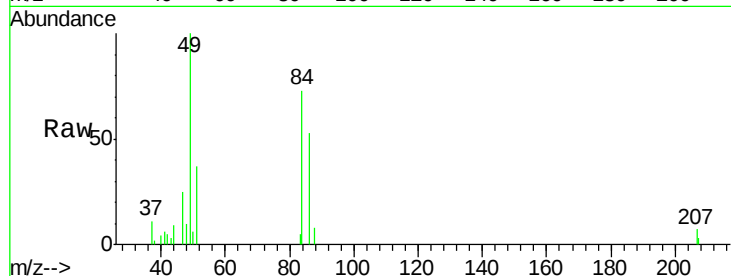




#20
Methvlene Chloride
Concen: 1.960 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003723.D
Acq: 05 Jul 2018 16:09

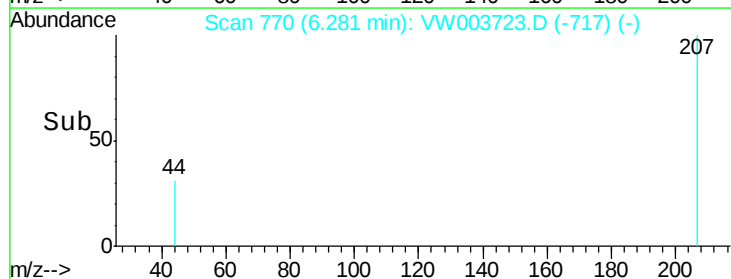
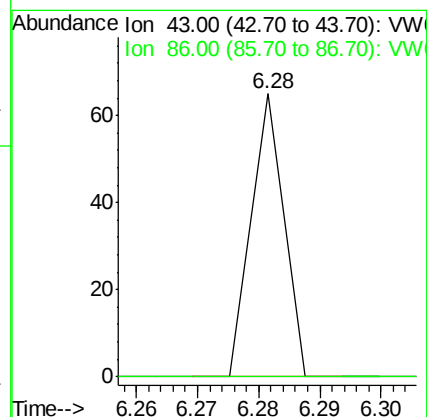
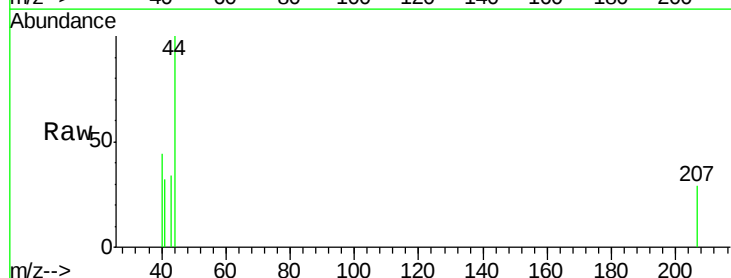
Instrument :
MSVOA_W
ClientSampleId :

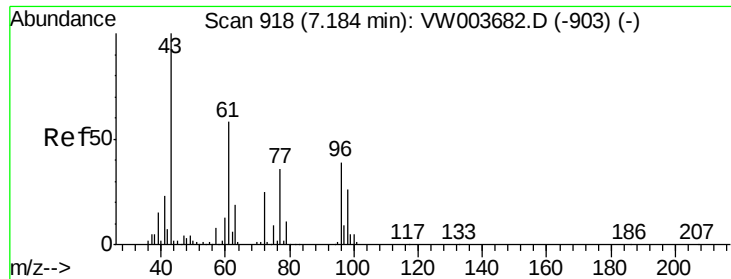
Tot Ion: 84 Resp: 5662
Ion Ratio Lower Upper
84 100
49 136.4 104.6 156.8
51 51.0 33.2 49.8#
86 71.8 51.7 77.5



#23
Vinyl Acetate
Concen: 13.874 ug/l
RT: 6.28 min Scan# 770
Delta R.T. 0.03 min
Lab File: VW003723.D
Acq: 05 Jul 2018 16:09

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#25

2-Butanone

Concen: 3.423 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

Instrument :

MSVOA_W

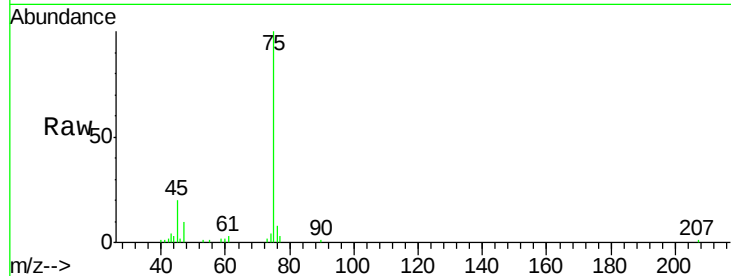
ClientSampled :

Tot Ion: 43 Resp: 1254

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

400

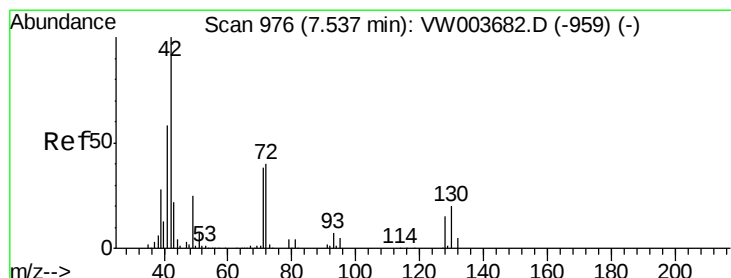
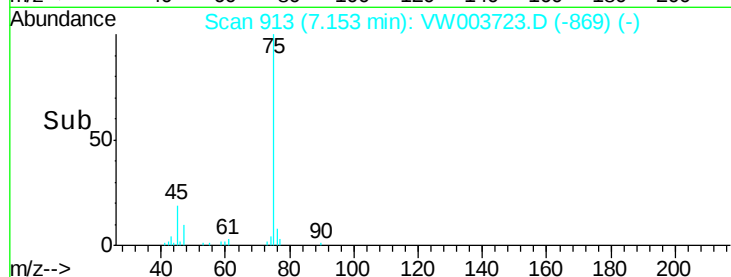
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 1.403 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

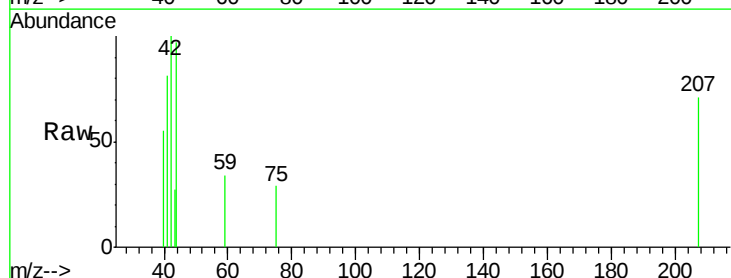
Tgt Ion: 42 Resp: 308

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

250

200

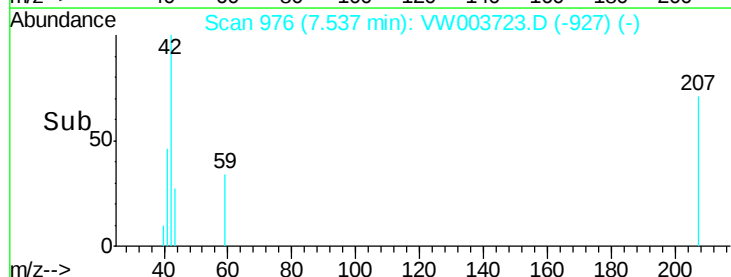
150

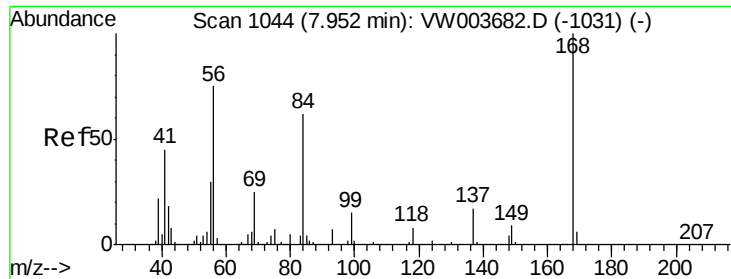
100

50

0

Time-->

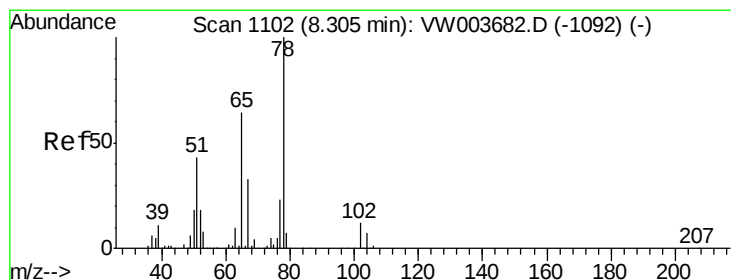
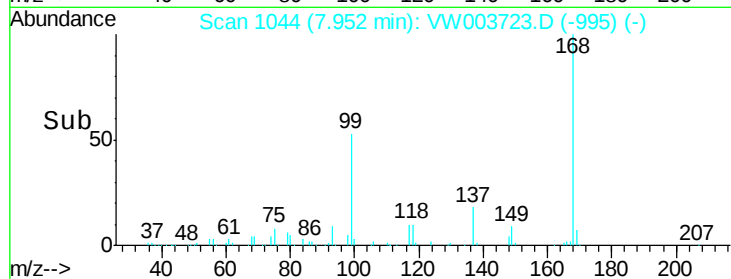
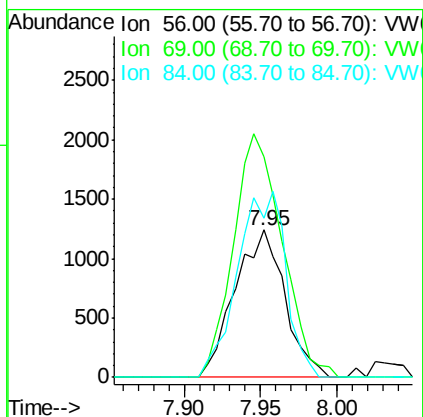
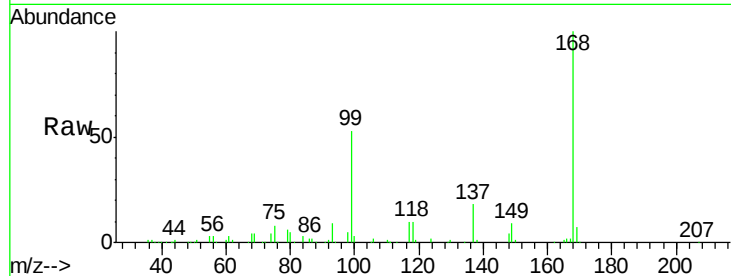




#31
Cyclohexane
Concen: 1.537 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003723.D
Acq: 05 Jul 2018 16:09

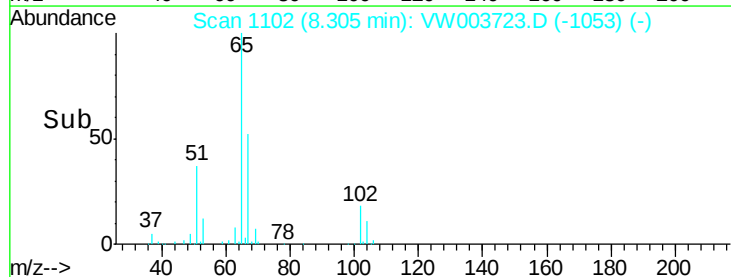
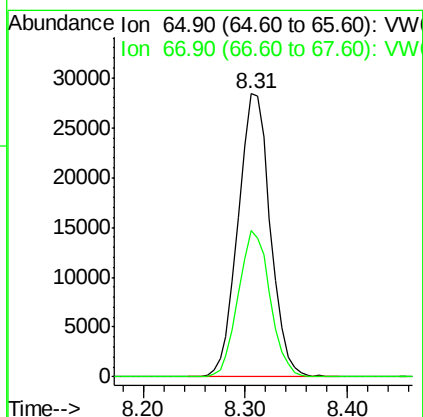
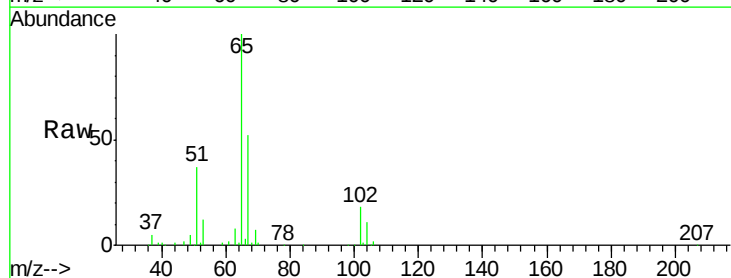
Instrument :
MSVOA_W
ClientSampled :

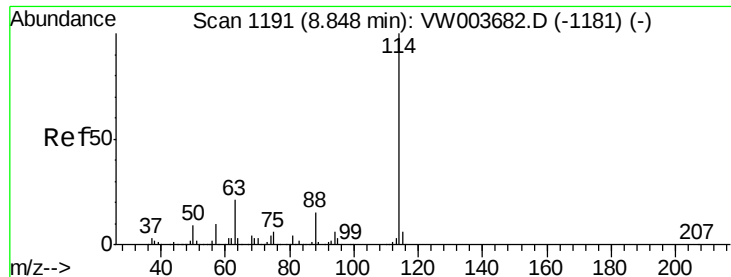
Tot Ion: 56 Resp: 2817
Ion Ratio Lower Upper
56 100
69 149.7 27.0 40.4#
84 107.7 65.4 98.0#



#33
1,2-Dichloroethane-d4
Concen: 52.041 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003723.D
Acq: 05 Jul 2018 16:09

Tgt Ion: 65 Resp: 62374
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

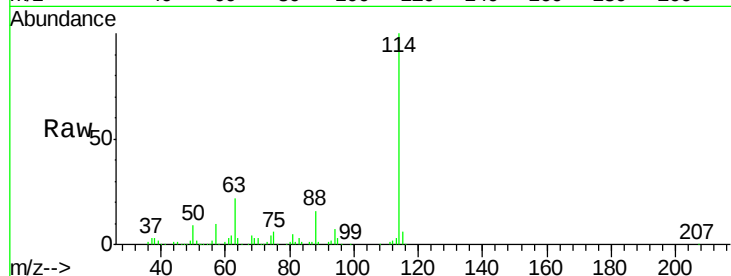
Tot Ion:114 Resp: 158562

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.6

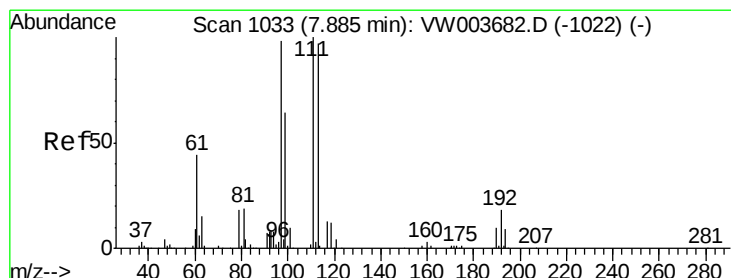
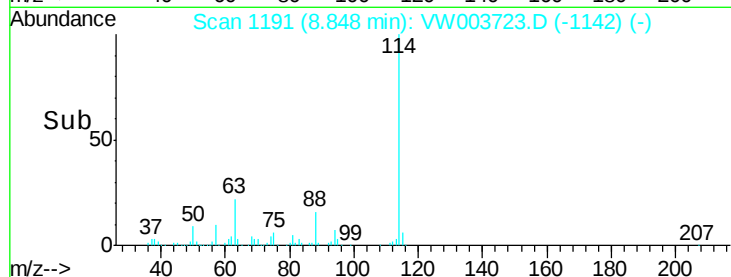
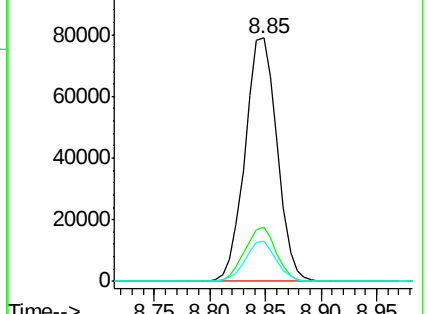
88 16.2 0.0 29.8



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: 50.083 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

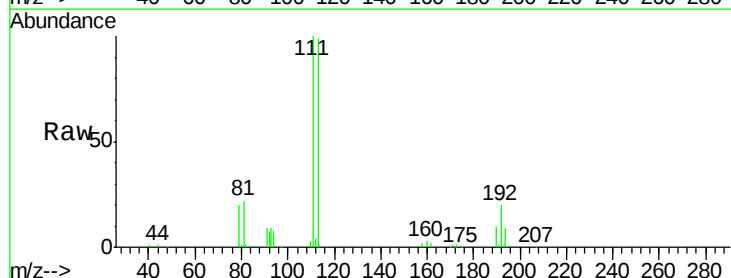
Tgt Ion:113 Resp: 51793

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

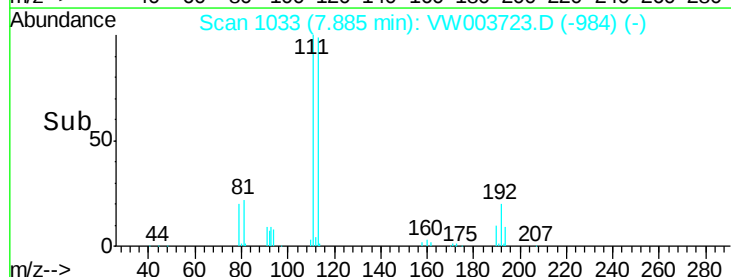
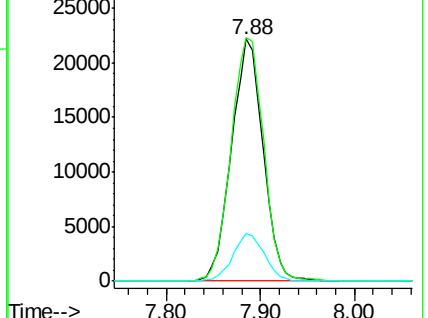
192 19.5 15.8 23.6

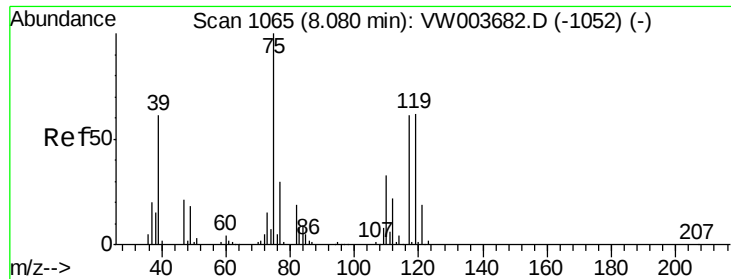


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.286 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

Instrument :
MSVOA_W
ClientSampled :

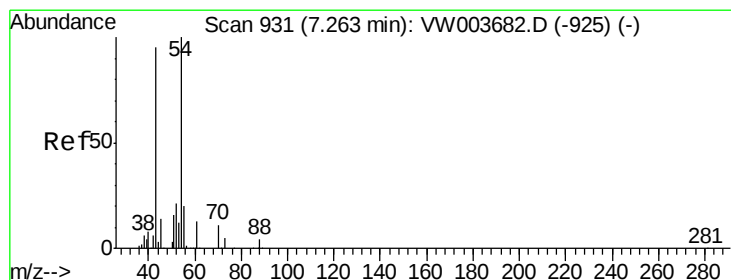
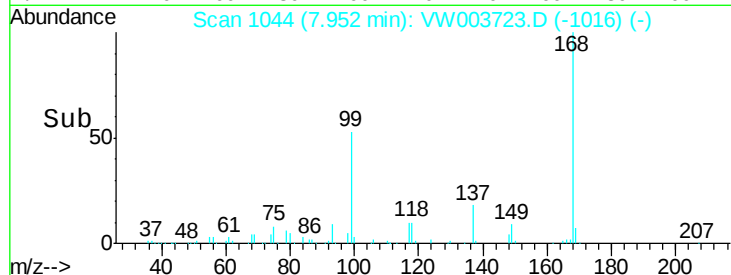
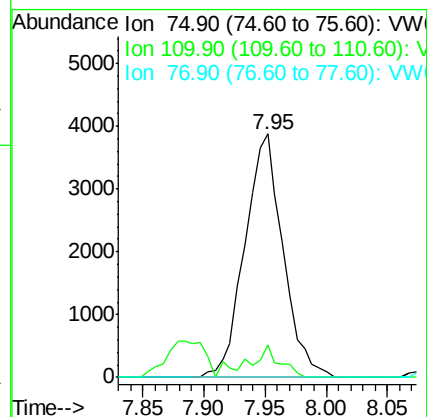
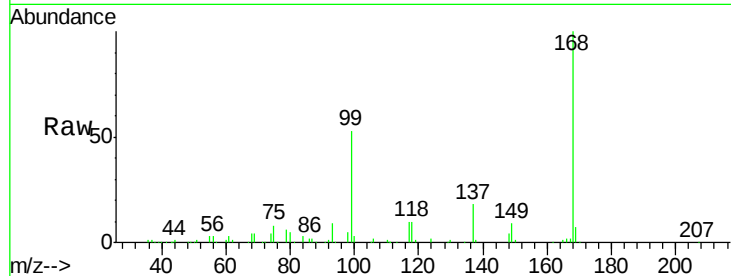
Tot Ion: 75 Resp: 8413

Ion Ratio Lower Upper

75 100

110 10.9 16.9 50.6#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.619 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.11 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

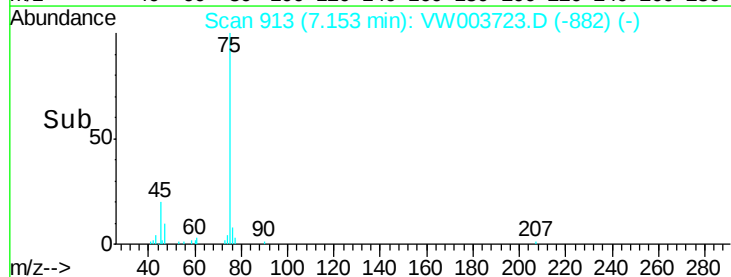
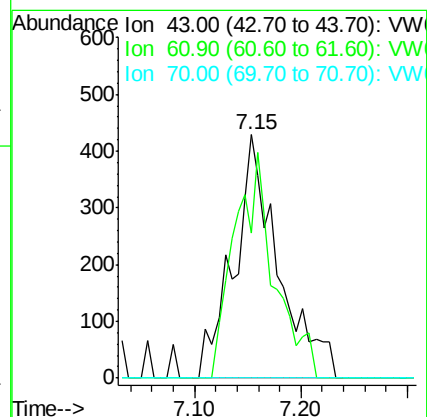
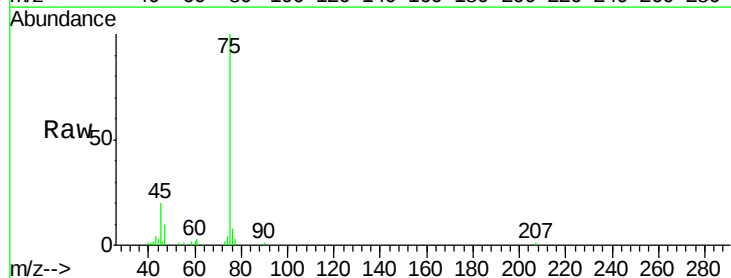
Tgt Ion: 43 Resp: 1254

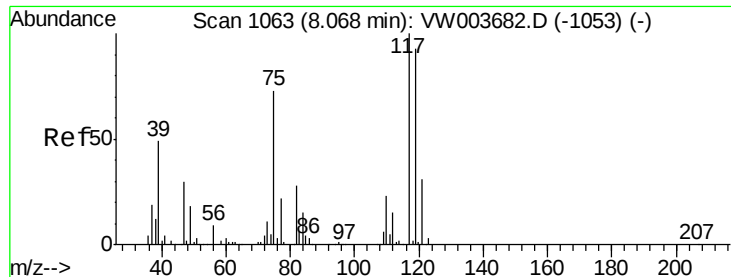
Ion Ratio Lower Upper

43 100

61 83.2 10.5 15.7#

70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.736 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

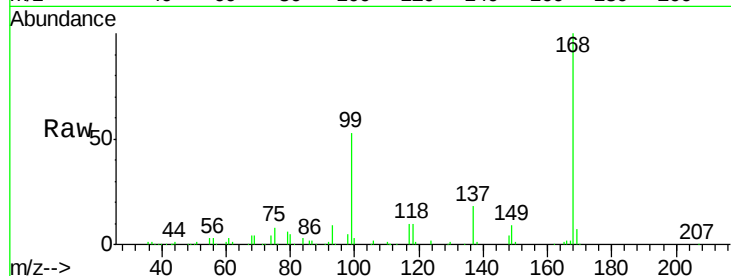
Tot Ion:117 Resp: 10199

Ion Ratio Lower Upper

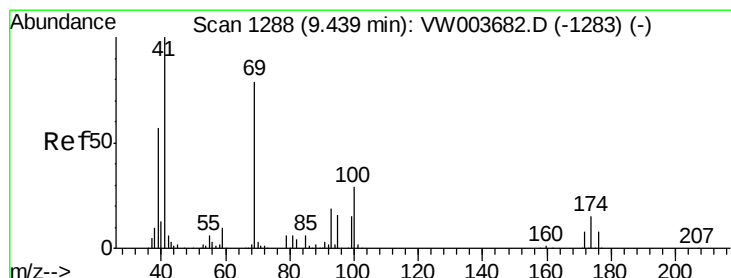
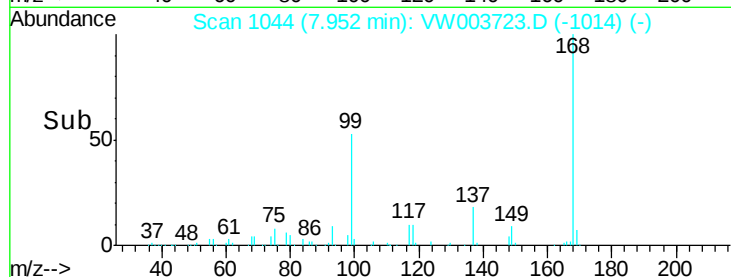
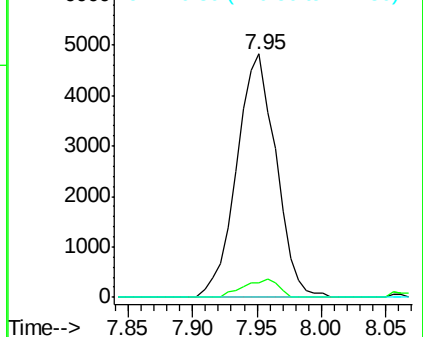
117 100

119 6.0 74.1 111.1#

121 0.0 25.0 37.4#



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



#48

Methyl methacrylate

Concen: 3.397 ug/l

RT: 9.40 min Scan# 1282

Delta R.T. -0.04 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

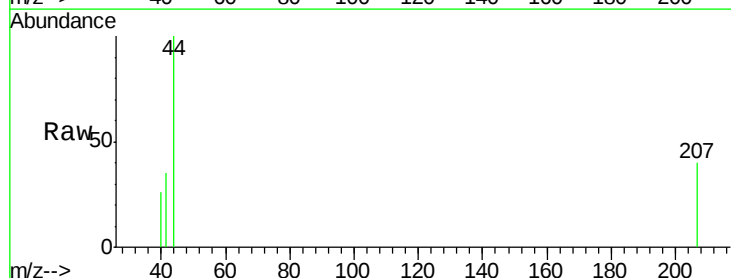
Tgt Ion: 41 Resp: 27

Ion Ratio Lower Upper

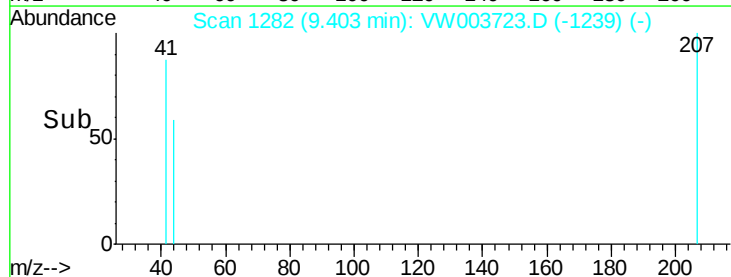
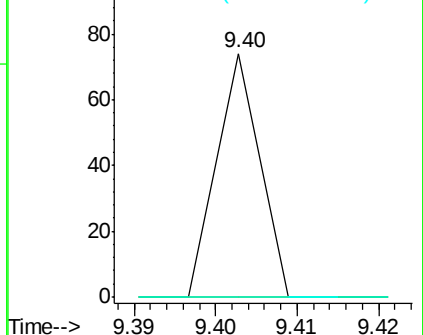
41 100

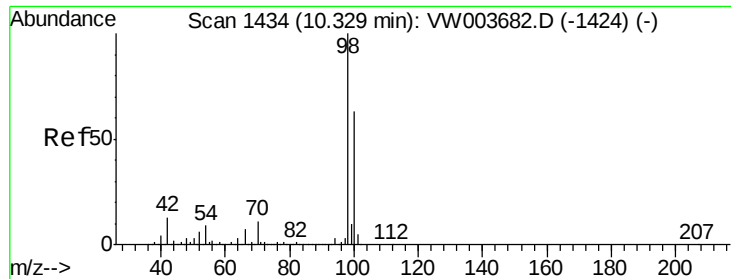
69 0.0 65.4 98.2#

39 0.0 50.0 75.0#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 37.358 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

Instrument :

MSVOA_W

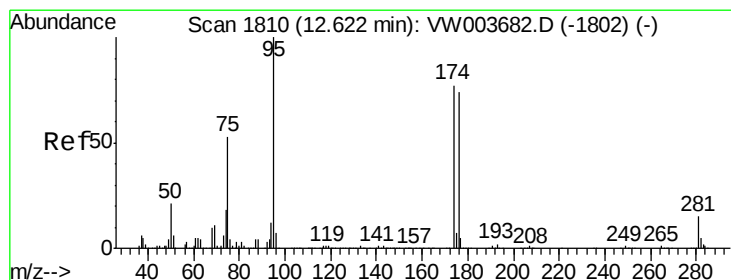
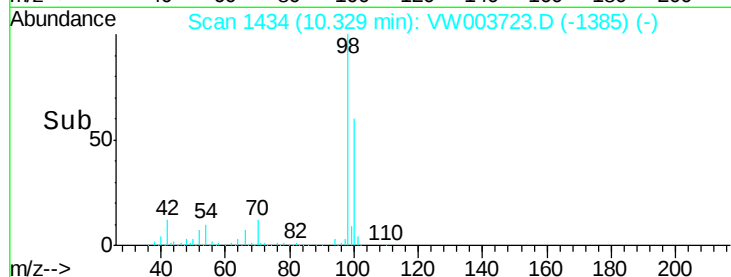
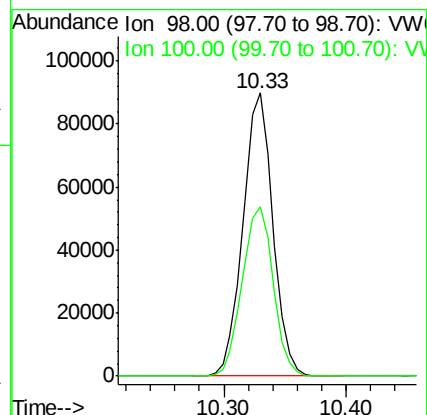
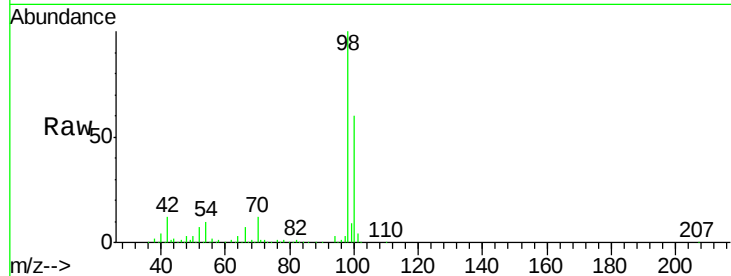
ClientSampled :

Tot Ion: 98 Resp: 151665

Ion Ratio Lower Upper

98 100

100 62.3 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 32.314 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003723.D

Acq: 05 Jul 2018 16:09

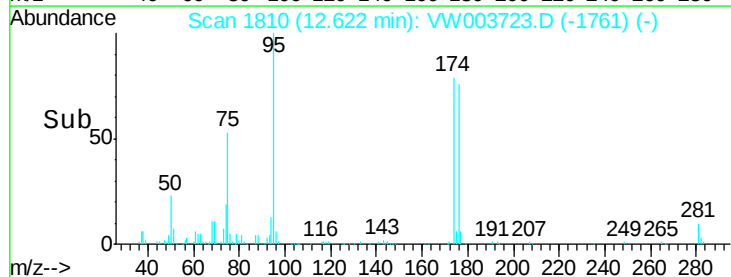
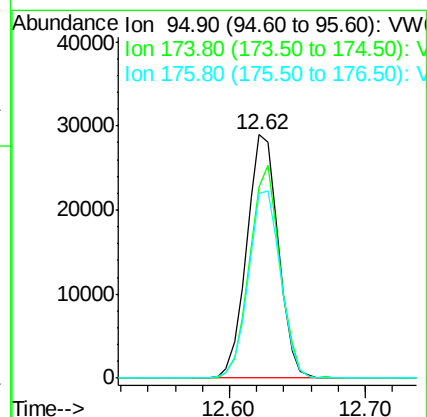
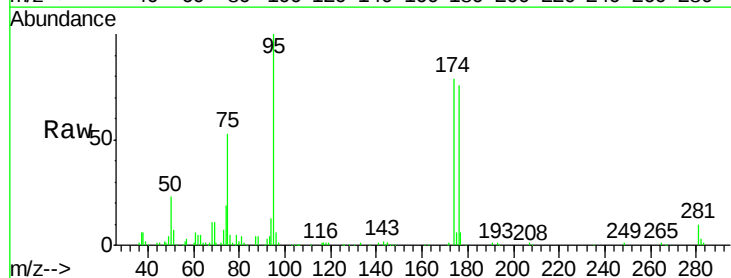
Tgt Ion: 95 Resp: 47130

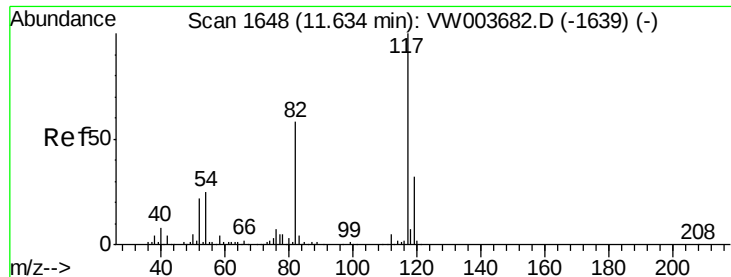
Ion Ratio Lower Upper

95 100

174 83.9 0.0 161.2

176 78.3 0.0 155.0

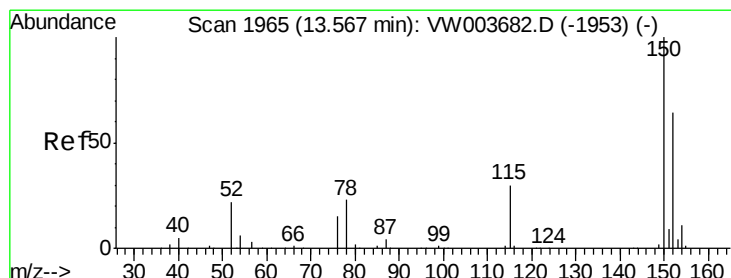
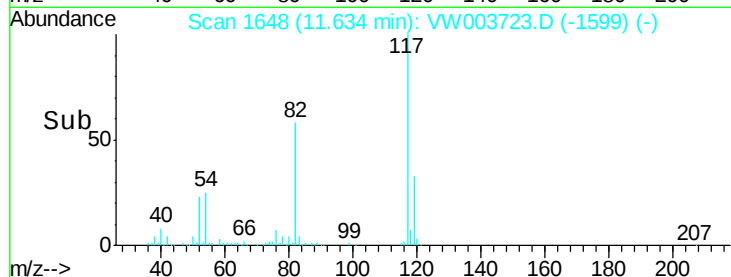
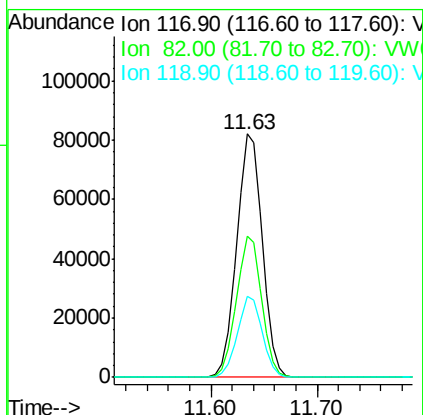
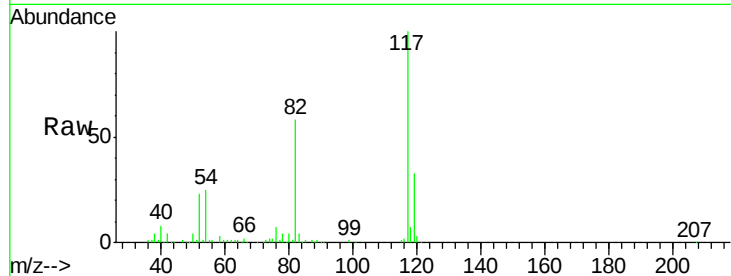




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003723.D
Acq: 05 Jul 2018 16:09

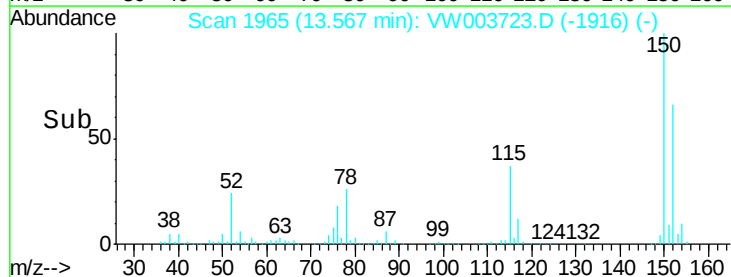
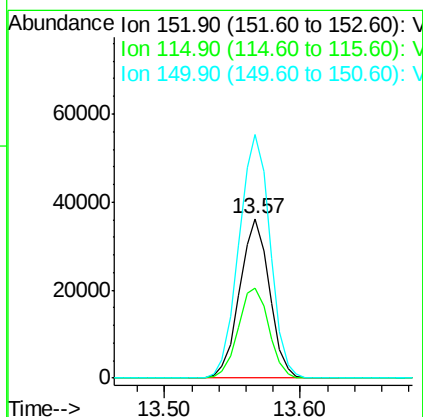
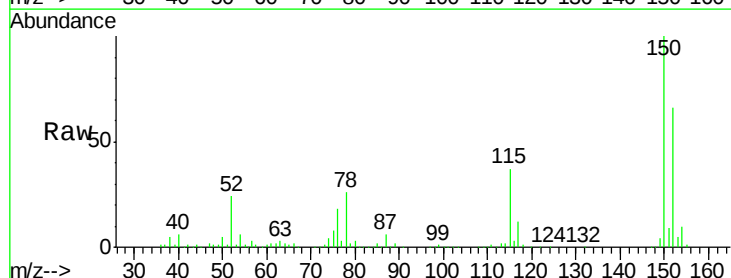
Instrument :
MSVOA_W
ClientSampleId :

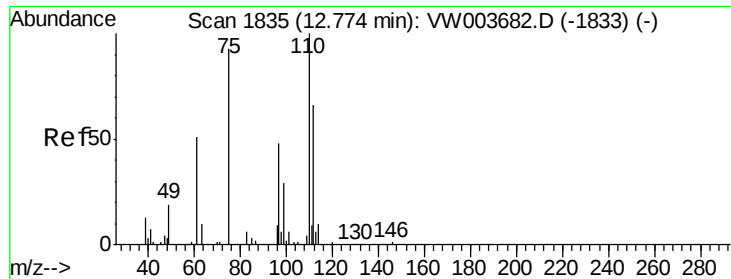
Tot Ion:117 Resp: 139095
Ion Ratio Lower Upper
117 100
82 57.8 46.0 69.0
119 33.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003723.D
Acq: 05 Jul 2018 16:09

Tgt Ion:152 Resp: 55487
Ion Ratio Lower Upper
152 100
115 58.0 29.3 88.0
150 159.2 0.0 352.0

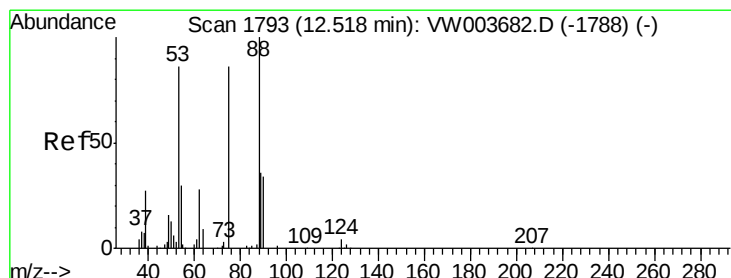
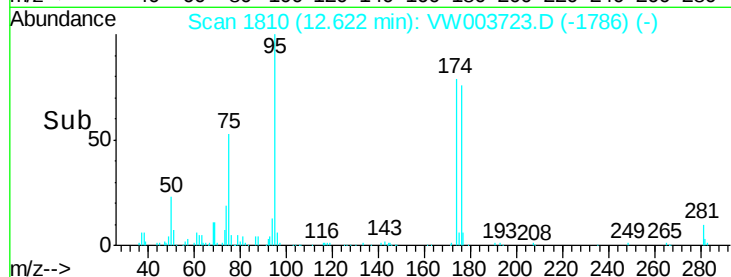
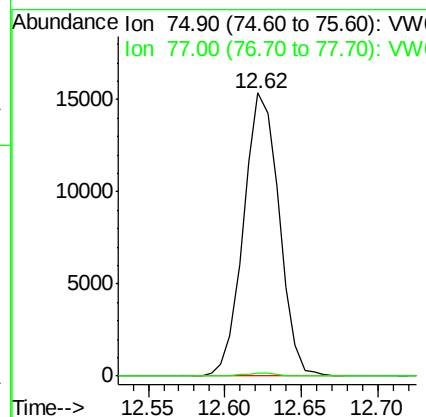
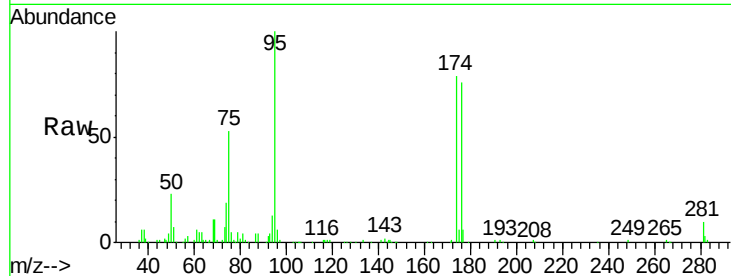




#76
 1,2,3-Trichloropropane
 Concen: 49.655 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003723.D
 Acq: 05 Jul 2018 16:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 24773
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.215 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003723.D
 Acq: 05 Jul 2018 16:09

Tgt Ion: 75 Resp: 24773
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.4 123.6#
 89 0.0 35.9 53.9#

