

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003717.D
 Acq On : 05 Jul 2018 13:33
 Operator : SY/AP
 Sample : J3840-08
 Misc : 6.41G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:34:56 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	210034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	343169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	136487	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	106592	42.57	ug/l	0.00
Spiked Amount			Recovery	=	85.14%	
35) Dibromofluoromethane	7.88	113	94263	42.12	ug/l	0.00
Spiked Amount			Recovery	=	84.24%	
50) Toluene-d8	10.33	98	311799	35.49	ug/l	0.00
Spiked Amount			Recovery	=	70.98%	
62) 4-Bromofluorobenzene	12.62	95	104448	33.09	ug/l	0.00
Spiked Amount			Recovery	=	66.18%	

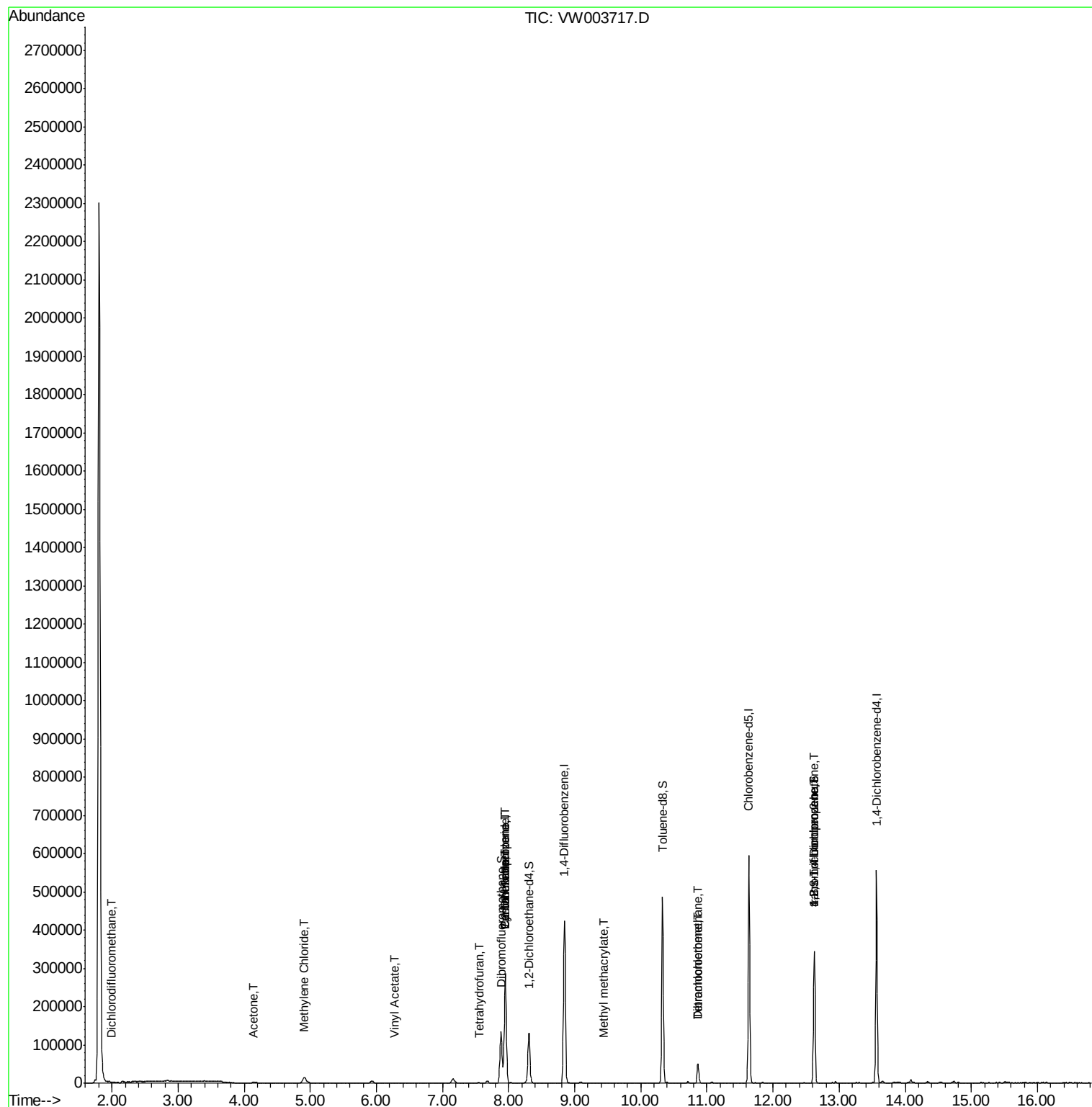
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	46	4.906	ug/l #	43
16) Acetone	4.15	43	3114	5.210	ug/l	90
20) Methylene Chloride	4.92	84	12715	2.375	ug/l	90
23) Vinyl Acetate	6.27	43	48	13.873	ug/l #	74
29) Tetrahydrofuran	7.56	42	622	1.356	ug/l #	84
31) Cyclohexane	7.95	56	5253	1.372	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17573	5.101	ug/l #	50
38) Carbon Tetrachloride	7.95	117	21038	6.420	ug/l #	18
48) Methyl methacrylate	9.44	41	133	3.438	ug/l #	13
60) Dibromochloromethane	10.87	129	9051	4.213	ug/l #	10
64) Tetrachloroethene	10.87	164	11177	5.368	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	56167	45.768	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56167	96.979	ug/l #	9

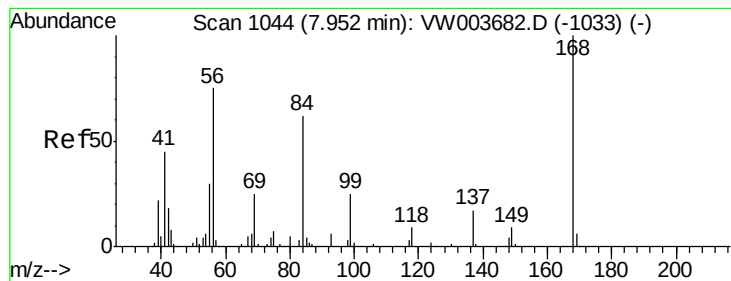
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003717.D

Acq: 05 Jul 2018 13:33

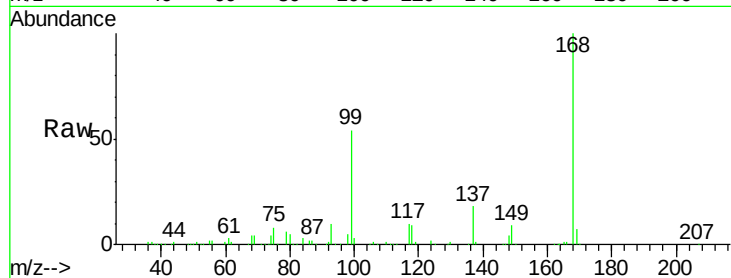
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 210034

Ion Ratio Lower Upper

168 100

99 54.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

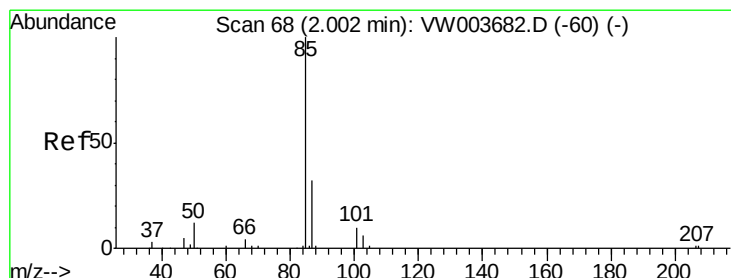
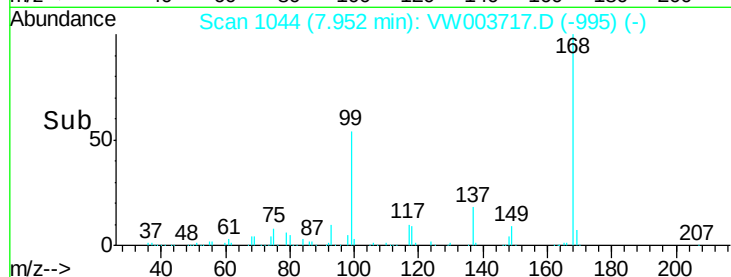
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.906 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW003717.D

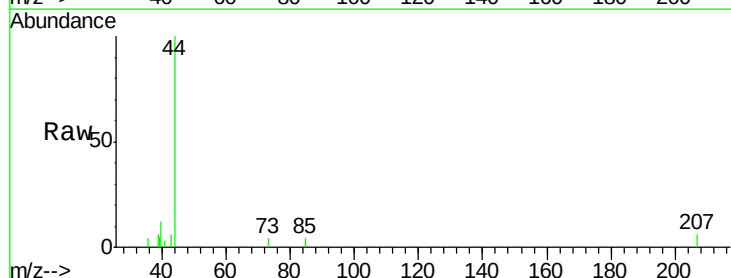
Acq: 05 Jul 2018 13:33

Tgt Ion: 85 Resp: 46

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

2.00

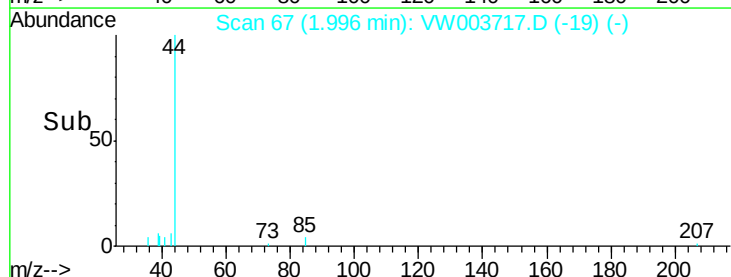
60

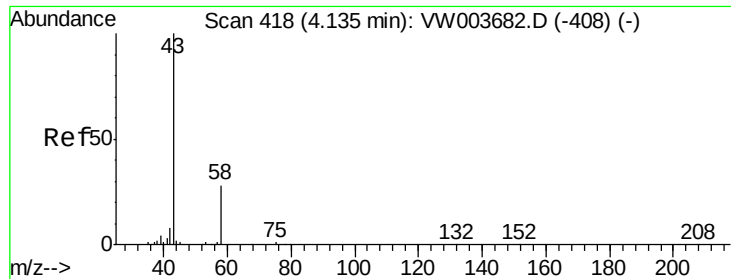
40

20

0

Time-->





#16

Acetone

Concen: 5.210 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003717.D

Acq: 05 Jul 2018 13:33

Instrument :

MSVOA_W

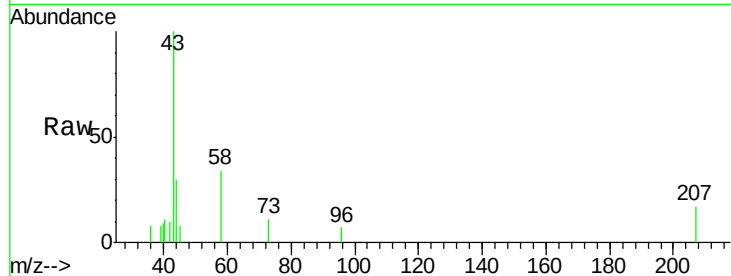
ClientSampled :

Tot Ion: 43 Resp: 3114

Ion Ratio Lower Upper

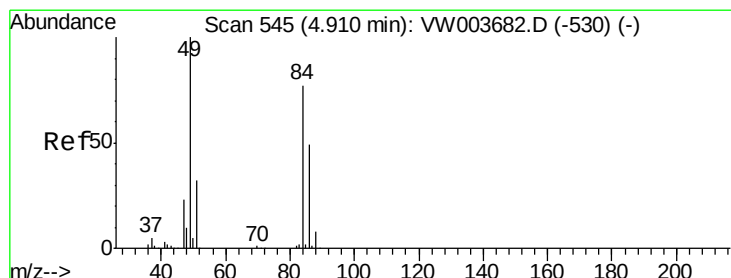
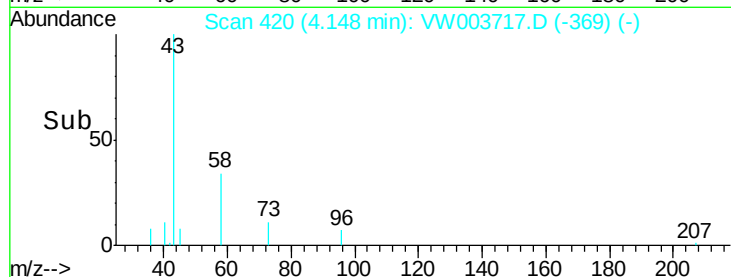
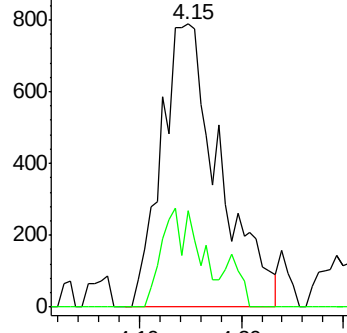
43 100

58 33.9 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.375 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003717.D

Acq: 05 Jul 2018 13:33

Tgt Ion: 84 Resp: 12715

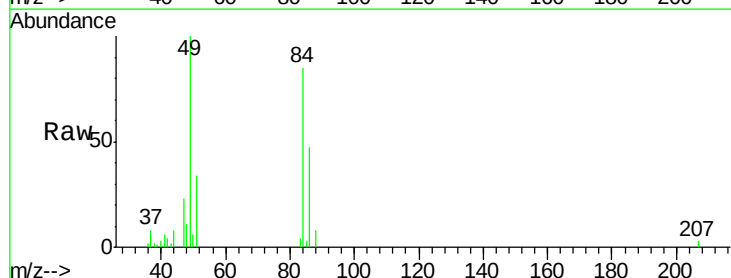
Ion Ratio Lower Upper

84 100

49 117.1 104.6 156.8

51 39.6 33.2 49.8

86 55.4 51.7 77.5

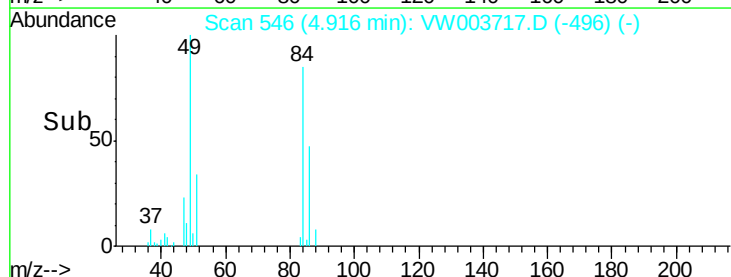
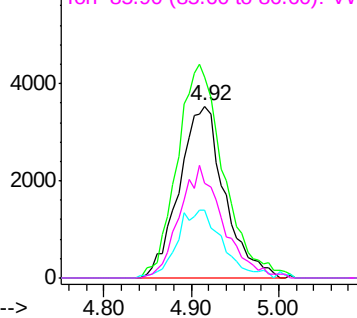


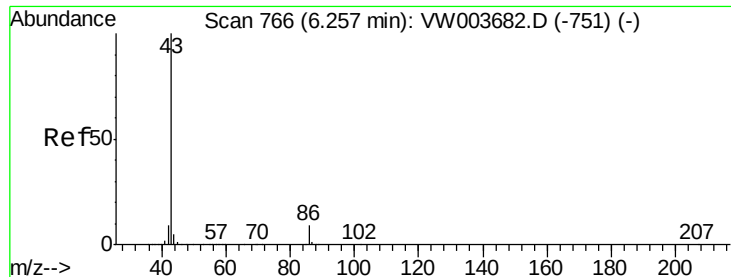
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#23

Vinyl Acetate

Concen: 13.873 ug/l

RT: 6.27 min Scan# 768

Delta R.T. 0.01 min

Lab File: VW003717.D

Acq: 05 Jul 2018 13:33

Instrument :

MSVOA_W

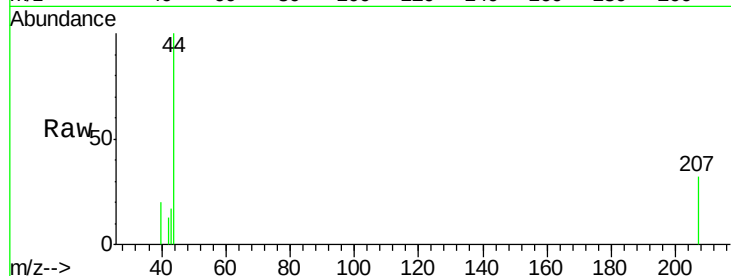
ClientSampled :

Tot Ion: 43 Resp: 48

Ion Ratio Lower Upper

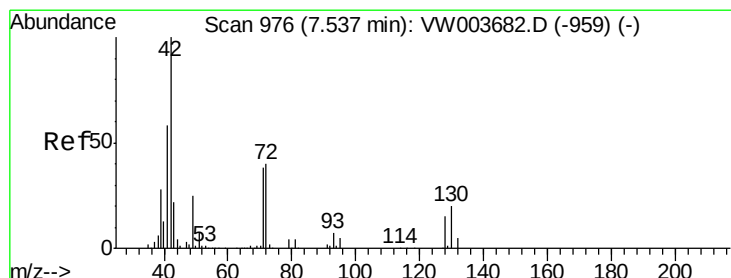
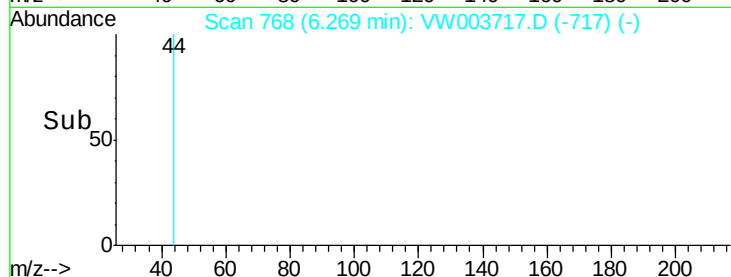
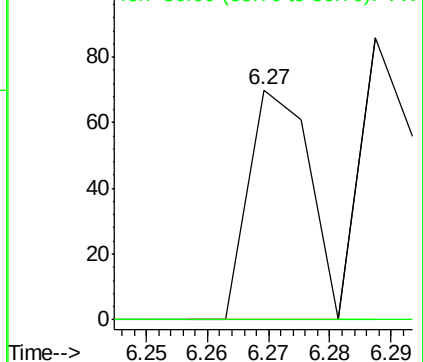
43 100

86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#29

Tetrahydrofuran

Concen: 1.356 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW003717.D

Acq: 05 Jul 2018 13:33

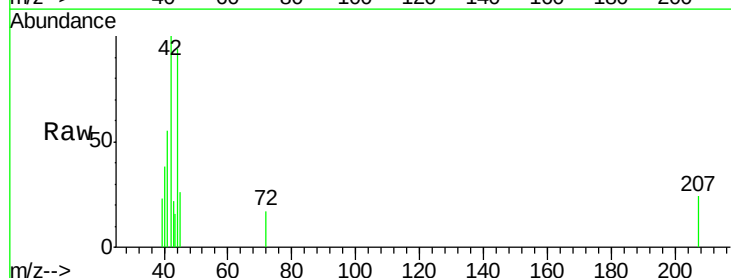
Tgt Ion: 42 Resp: 622

Ion Ratio Lower Upper

42 100

72 38.6 32.0 48.0

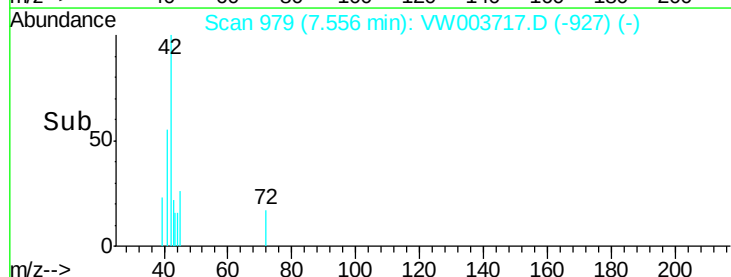
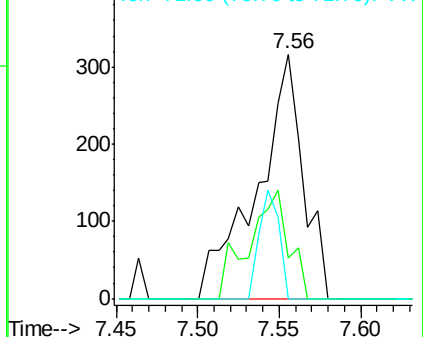
71 19.5 30.2 45.2#

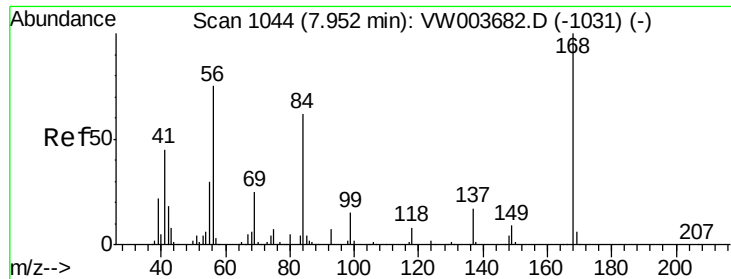


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

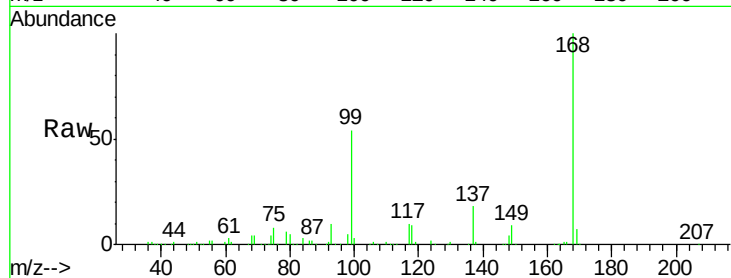




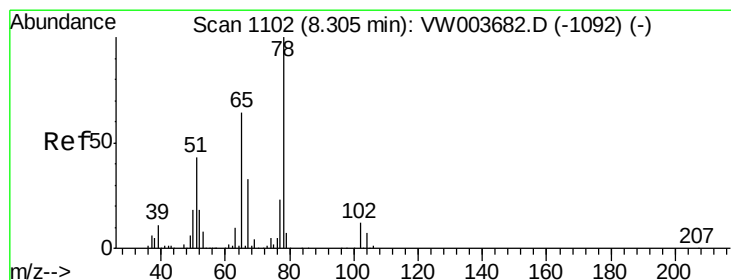
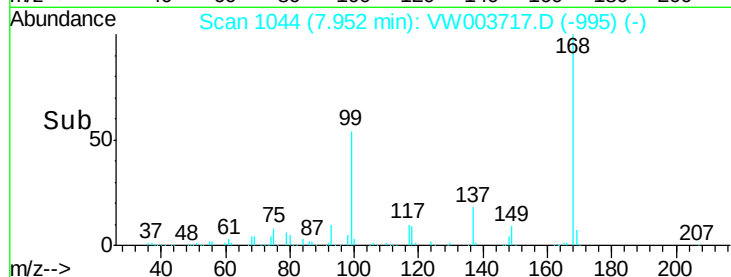
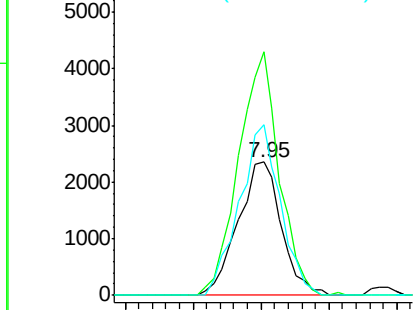
#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003717.D
Acq: 05 Jul 2018 13:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5253
Ion Ratio Lower Upper
56 100
69 183.2 27.0 40.4#
84 128.3 65.4 98.0#

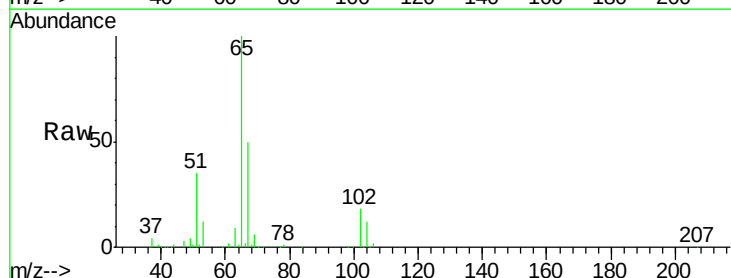


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

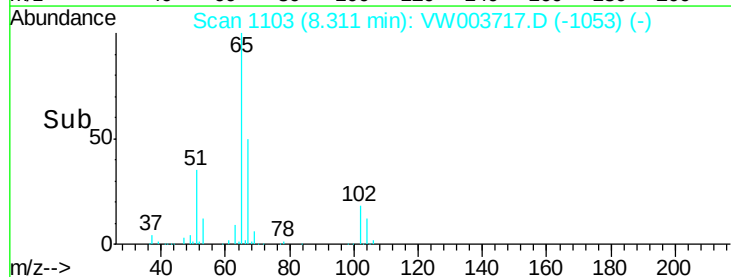
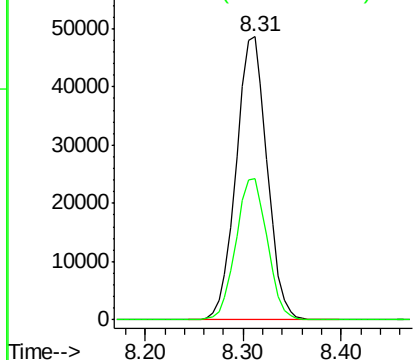


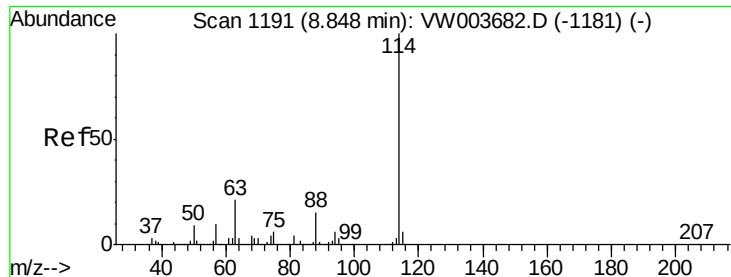
#33
1,2-Dichloroethane-d4
Concen: 42.568 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003717.D
Acq: 05 Jul 2018 13:33

Tgt Ion: 65 Resp: 106592
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.0



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: VW003717.D

Acq: 05 Jul 2018 13:33

Instrument :

MSVOA_W

ClientSampleId :

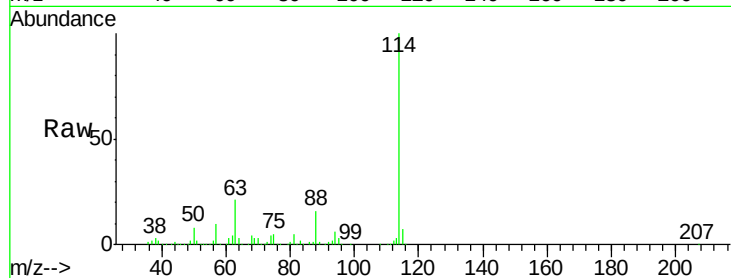
Tot Ion:114 Resp: 343169

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

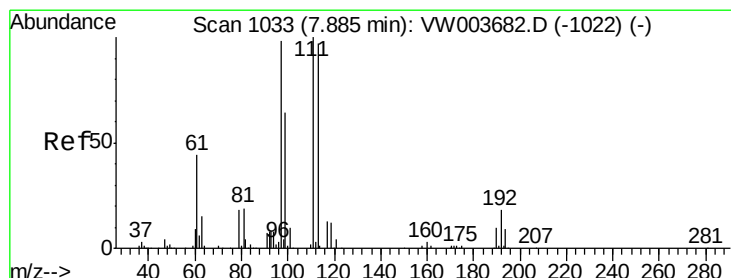
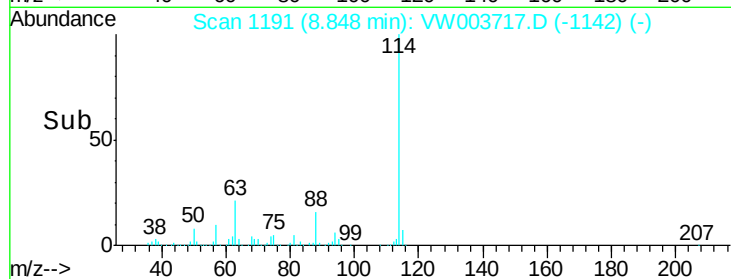
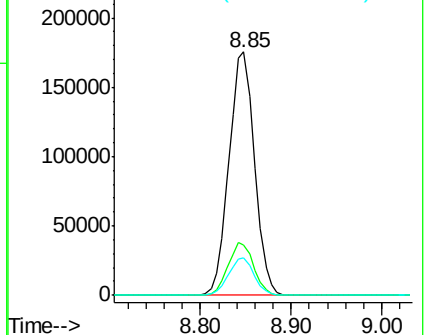
88 15.5 0.0 29.8



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: 42.116 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003717.D

Acq: 05 Jul 2018 13:33

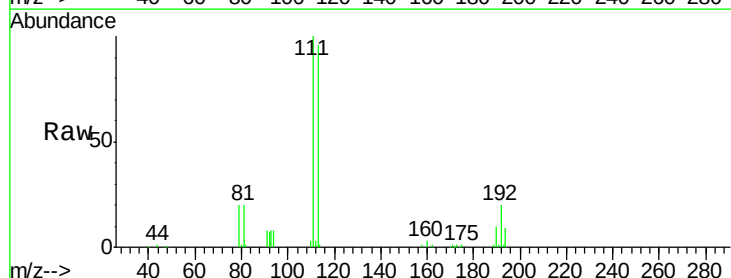
Tgt Ion:113 Resp: 94263

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

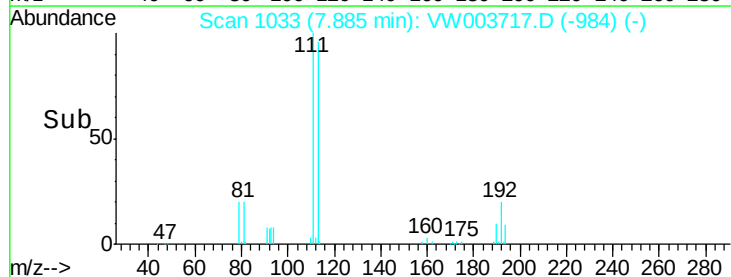
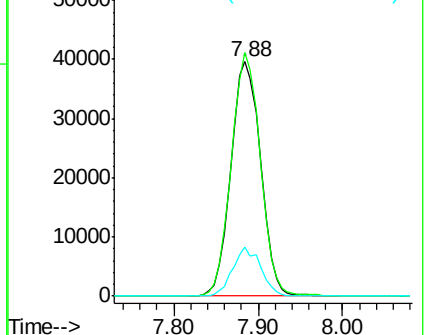
192 19.6 15.8 23.6

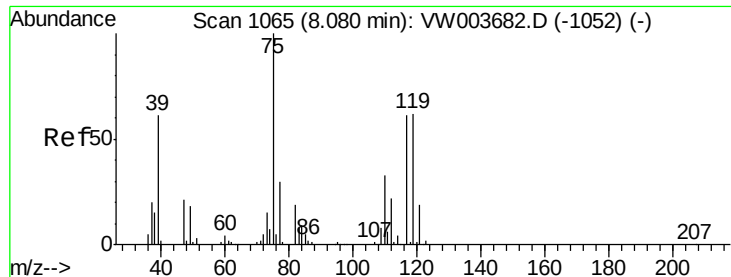


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

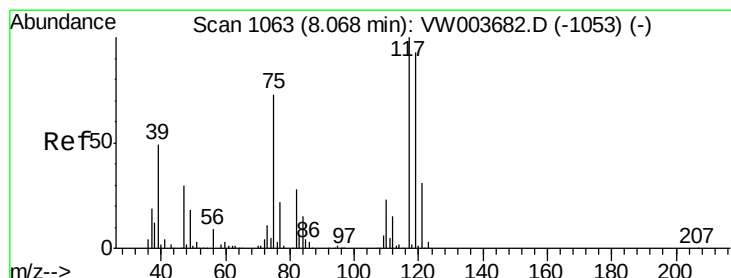
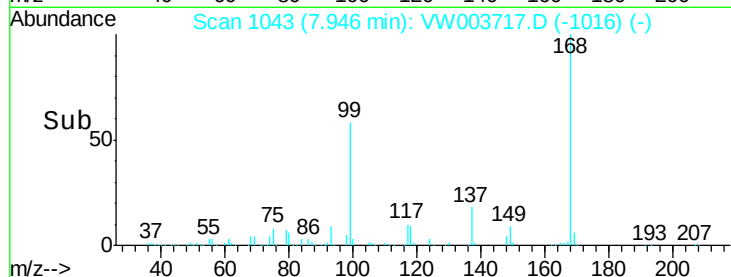
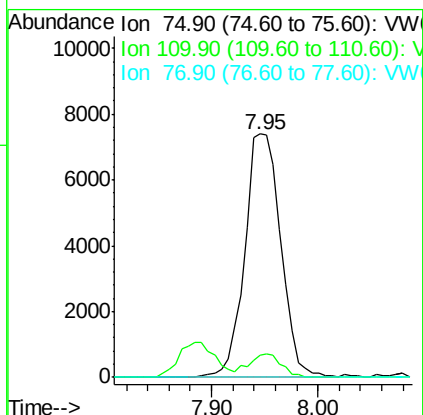
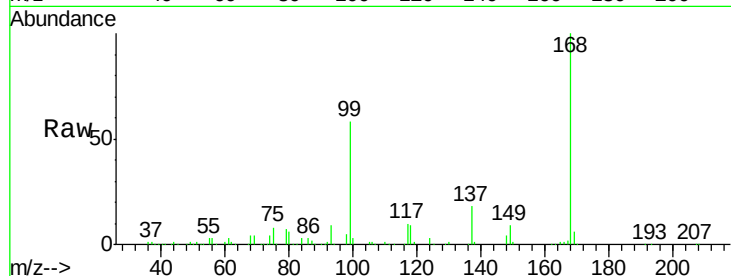




#36
 1,1-Dichloropropene
 Concen: 5.101 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003717.D
 Acq: 05 Jul 2018 13:33

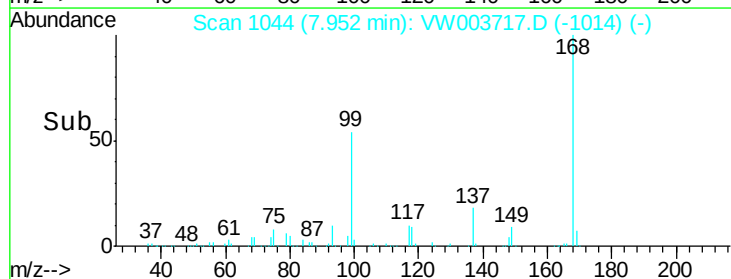
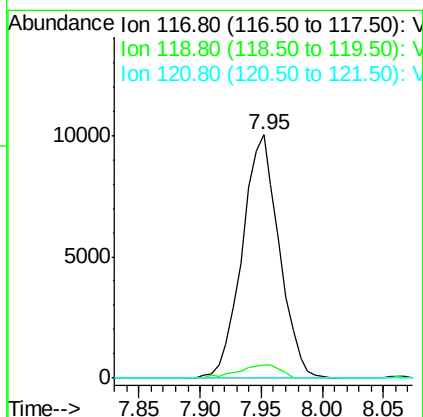
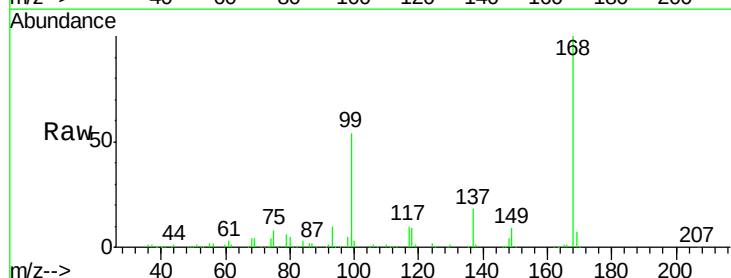
Instrument :
 MSVOA_W
 ClientSampleId :

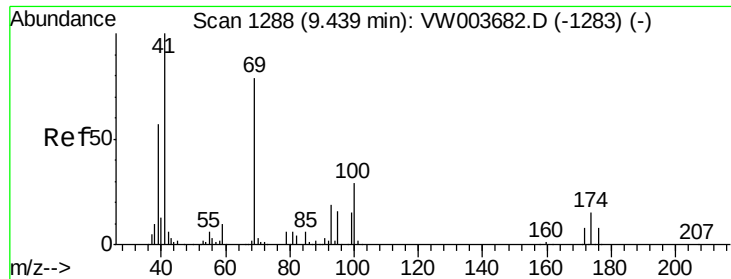
Tot Ion: 75 Resp: 17573
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.420 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003717.D
 Acq: 05 Jul 2018 13:33

Tgt Ion: 117 Resp: 21038
 Ion Ratio Lower Upper
 117 100
 119 5.3 74.1 111.1#
 121 0.0 25.0 37.4#

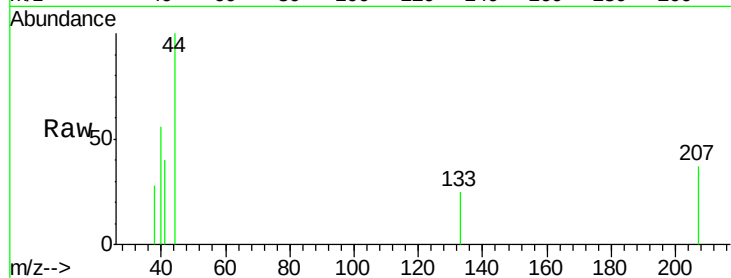




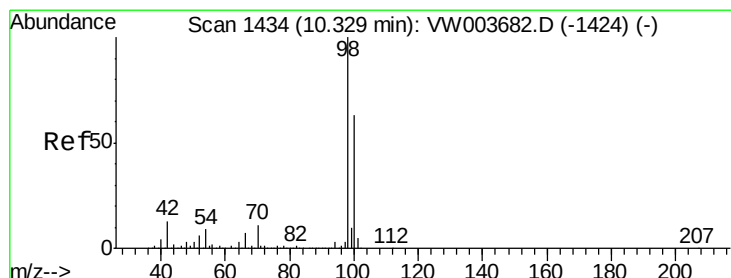
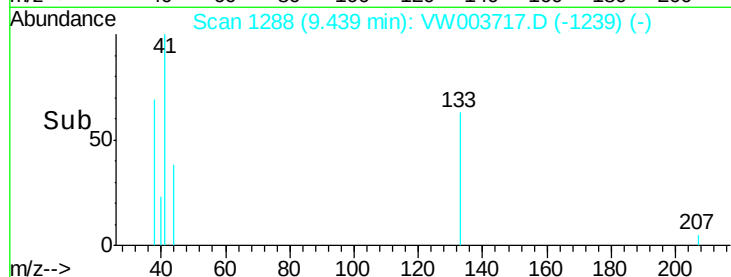
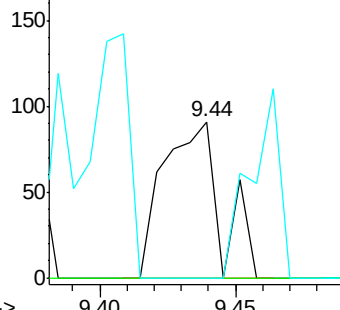
#48
Methvl methacrylate
Concen: 3.438 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003717.D
Acq: 05 Jul 2018 13:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 133
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 50.0 75.0#

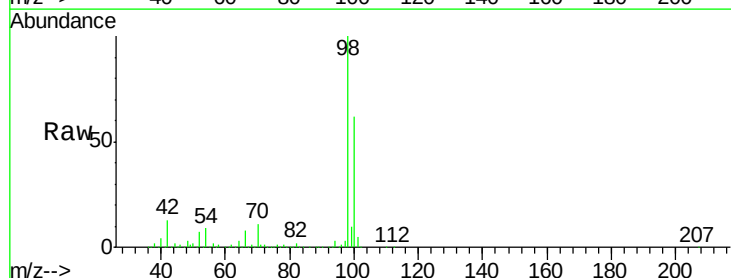


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

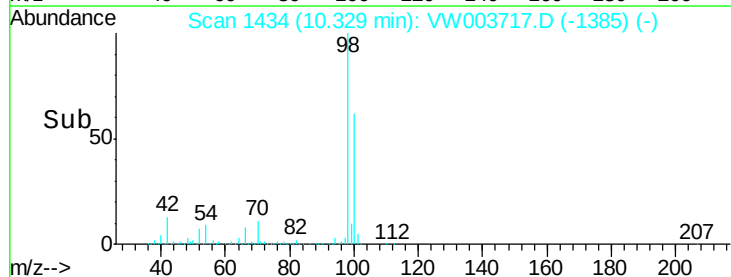
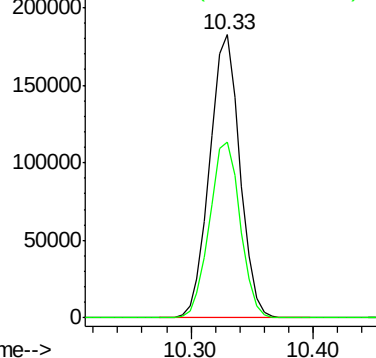


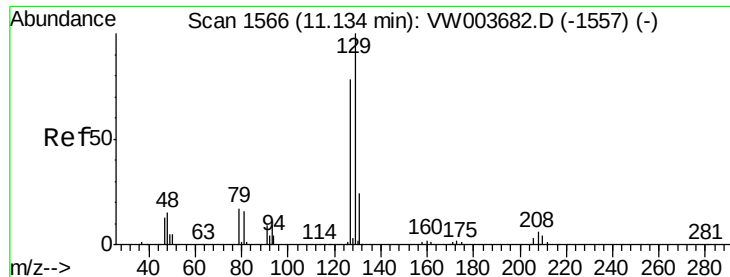
#50
Toluene-d8
Concen: 35.487 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003717.D
Acq: 05 Jul 2018 13:33

Tgt Ion: 98 Resp: 311799
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2



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

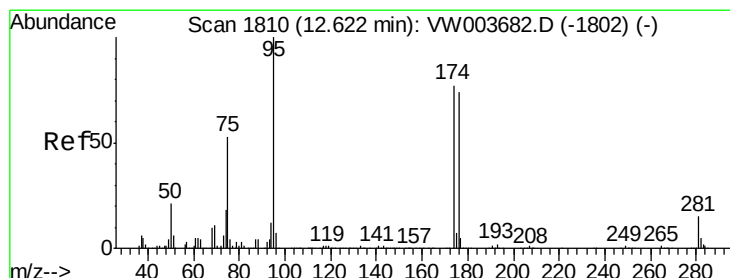
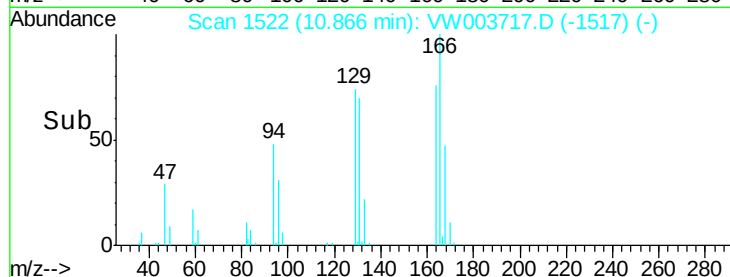
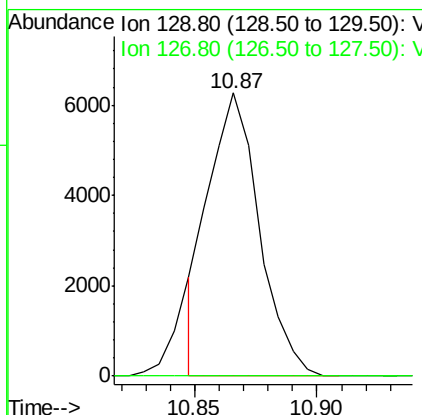
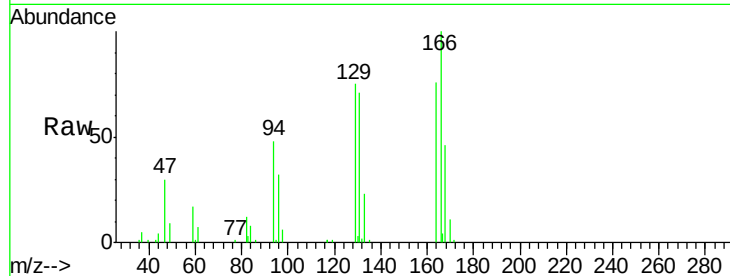




#60
 Dibromochloromethane
 Concen: 4.213 ug/l
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.27 min
 Lab File: VW003717.D
 Acq: 05 Jul 2018 13:33

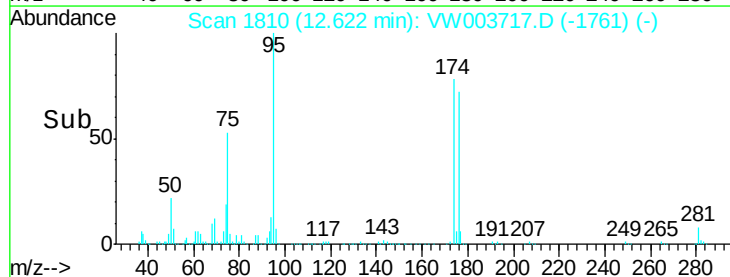
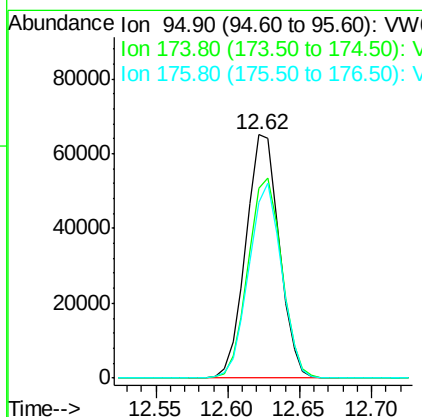
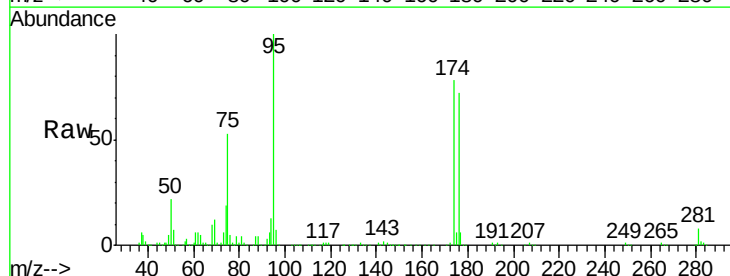
Instrument :
 MSVOA_W
 ClientSampleId :

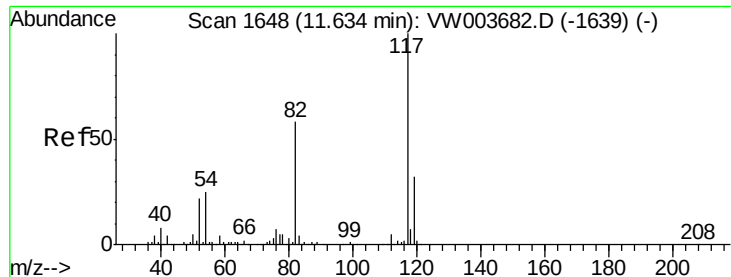
Tot Ion:129 Resp: 9051
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 33.089 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003717.D
 Acq: 05 Jul 2018 13:33

Tgt Ion: 95 Resp: 104448
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 161.2
 176 78.6 0.0 155.0

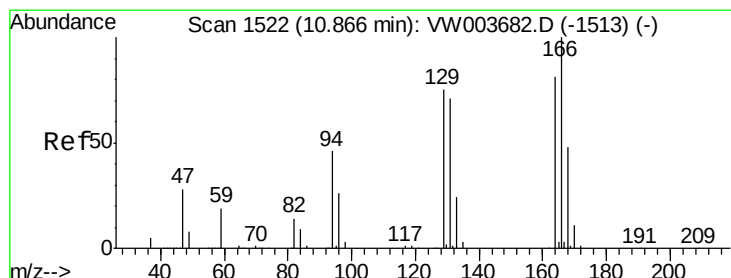
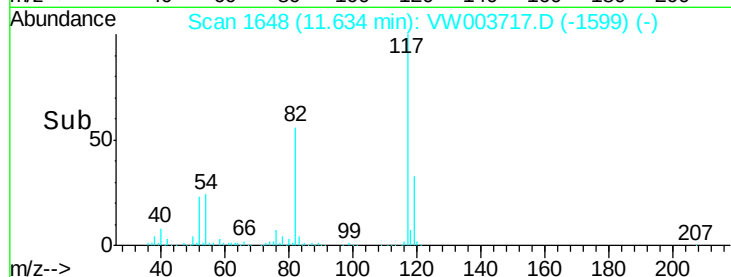
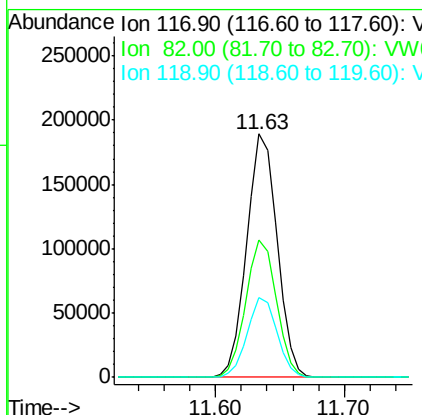
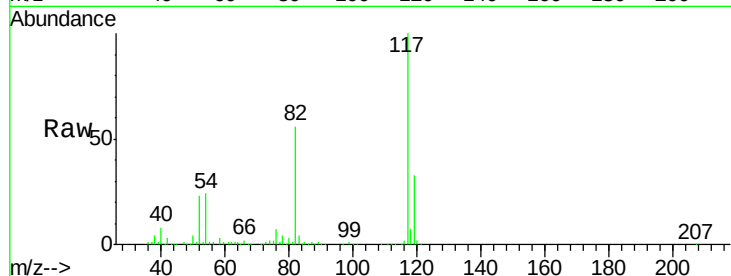




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003717.D
Acq: 05 Jul 2018 13:33

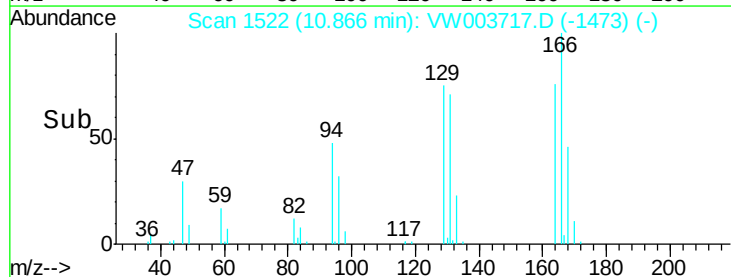
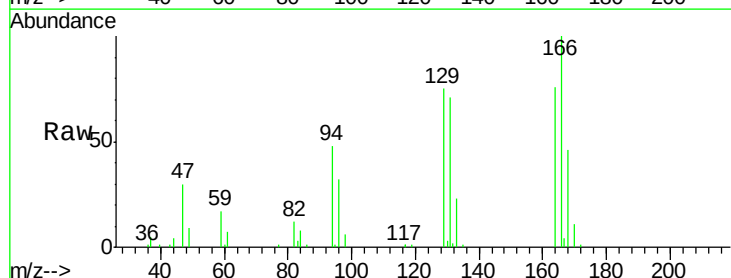
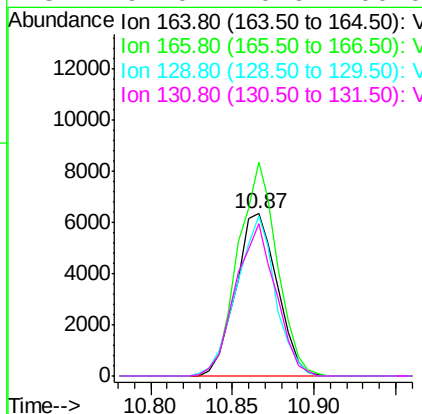
Instrument :
MSVOA_W
ClientSampleId :

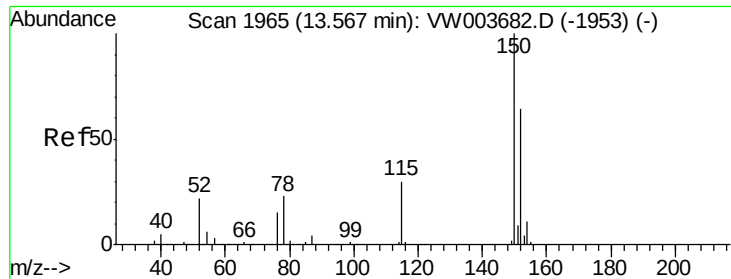
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	32.7	25.4	38.0



#64
Tetrachloroethene
Concen: 5.368 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003717.D
Acq: 05 Jul 2018 13:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	99.0	148.4
129	99.1	73.8	110.6
131	94.0	70.6	106.0

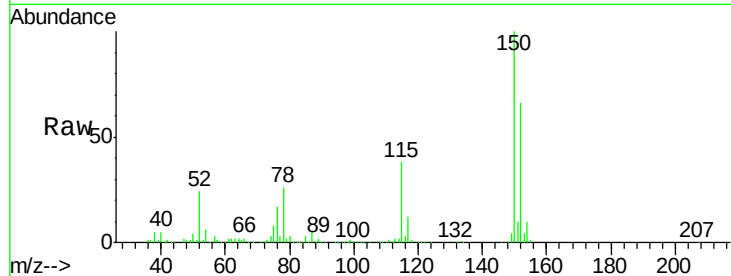




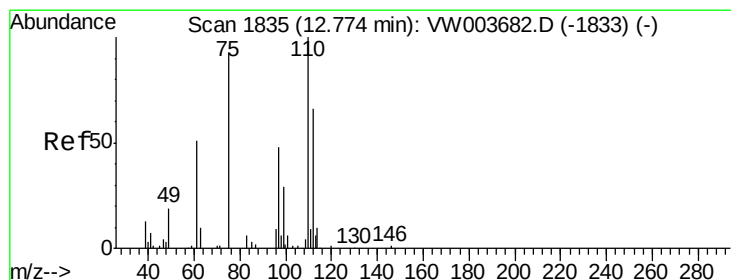
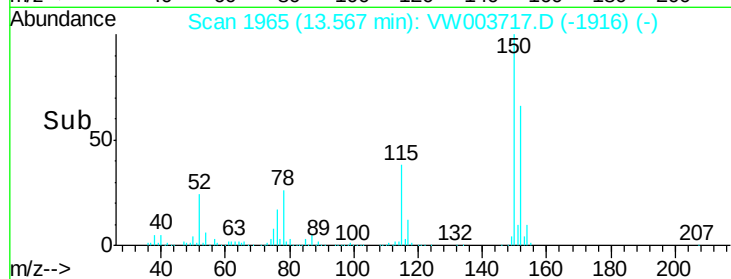
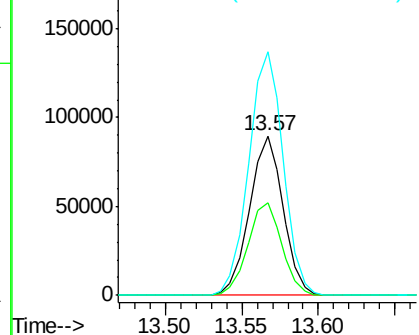
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW003717.D
 Acq: 05 Jul 2018 13:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:152 Resp: 136487
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.3 88.0
 150 156.7 0.0 352.0

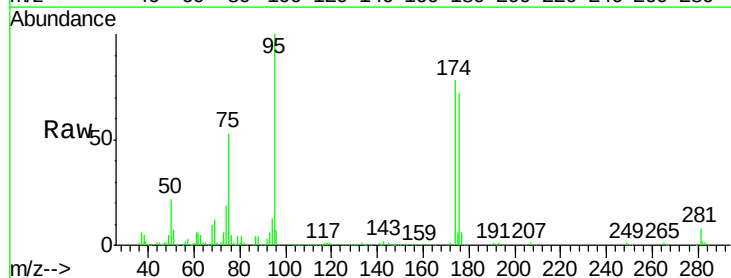


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

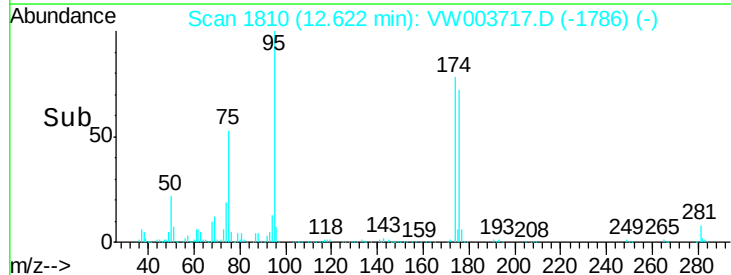
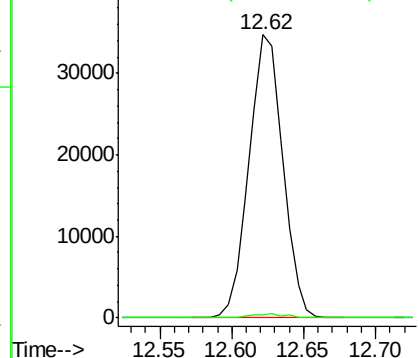


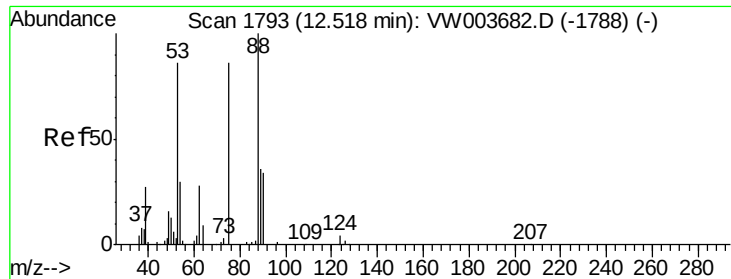
#76
 1,2,3-Trichloropropane
 Concen: 45.768 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003717.D
 Acq: 05 Jul 2018 13:33

Tgt Ion: 75 Resp: 56167
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



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: 96.979 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003717.D

Acq: 05 Jul 2018 13:33

Instrument :

MSVOA_W

ClientSampleId :

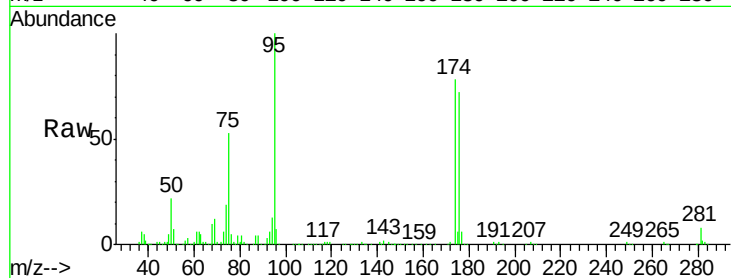
Tot Ion: 75 Resp: 56167

Ion Ratio Lower Upper

75 100

53 0.3 82.4 123.6#

89 0.1 35.9 53.9#



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

