

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003730.D
 Acq On : 05 Jul 2018 19:11
 Operator : SY/AP
 Sample : J3845-09
 Misc : 5.06G/7ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:37:13 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	146003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	247044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	108915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	93001	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
35) Dibromofluoromethane	7.88	113	80987	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.33	98	248804	39.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.68%	
62) 4-Bromofluorobenzene	12.63	95	86470	38.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.10%	

Target Compounds

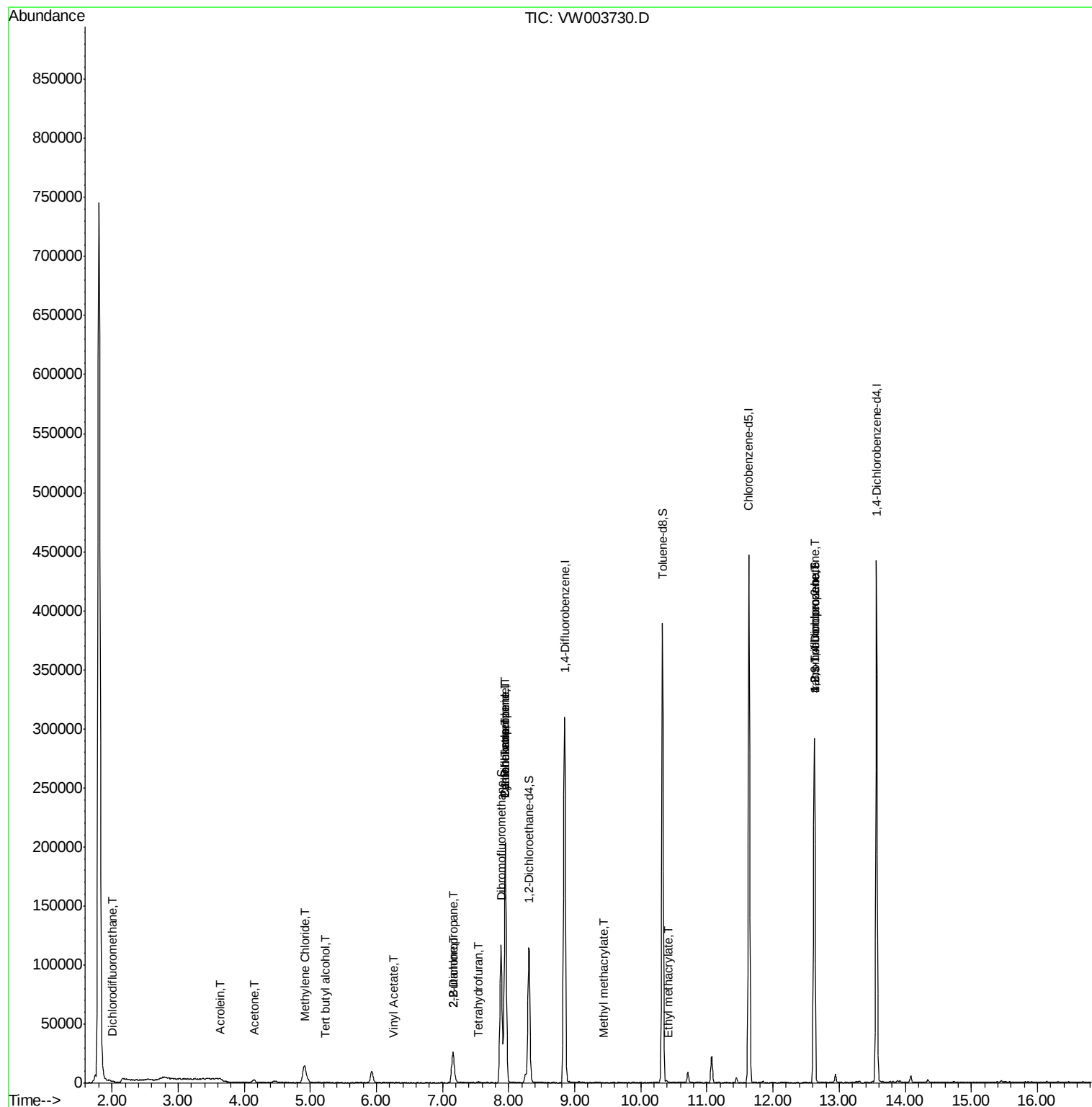
						Qvalue
2) Dichlorodifluoromethane	2.01	85	112	4.997	ug/l #	43
11) Tert butyl alcohol	5.23	59	240	2.203	ug/l #	71
13) Acrolein	3.65	56	53	1.003	ug/l #	1
16) Acetone	4.15	43	4309	10.370	ug/l	99
20) Methylene Chloride	4.92	84	12892	5.103	ug/l	96
23) Vinyl Acetate	6.26	43	80	13.886	ug/l #	74
25) 2-Butanone	7.16	43	1741	3.272	ug/l #	73
26) 2,2-Dichloropropane	7.16	77	1796	1.002	ug/l #	52
29) Tetrahydrofuran	7.55	42	585	1.834	ug/l #	60
31) Cyclohexane	7.95	56	3814	1.433	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	12543	5.058	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15171	6.431	ug/l #	19
48) Methyl methacrylate	9.44	41	23	3.382	ug/l #	1
56) Ethyl methacrylate	10.43	69	42	3.606	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	46296	47.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46296	100.171	ug/l #	9

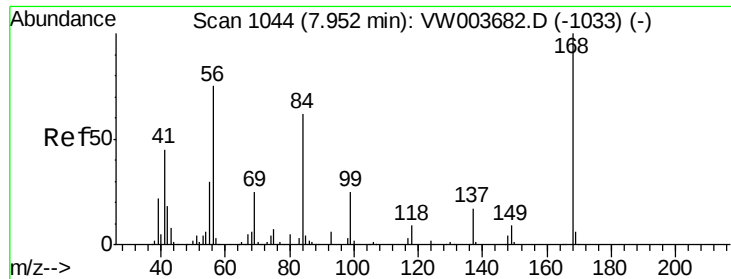
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 2018
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: VW003730.D

Acq: 05 Jul 2018 19:11

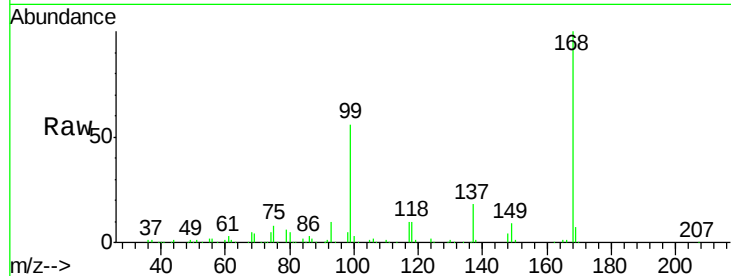
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 146003

Ion Ratio Lower Upper

168 100

99 56.4 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

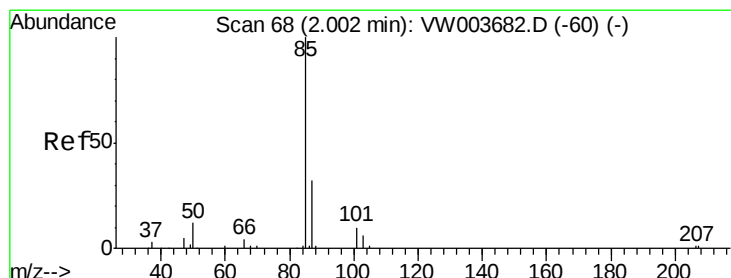
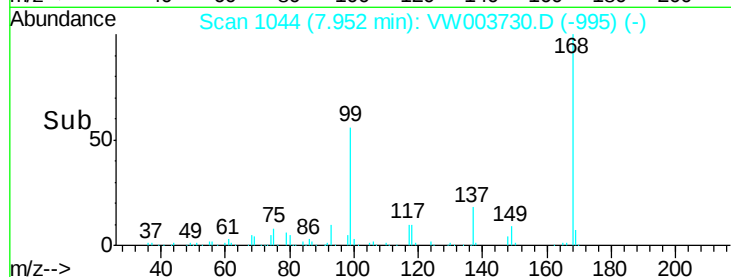
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 4.997 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003730.D

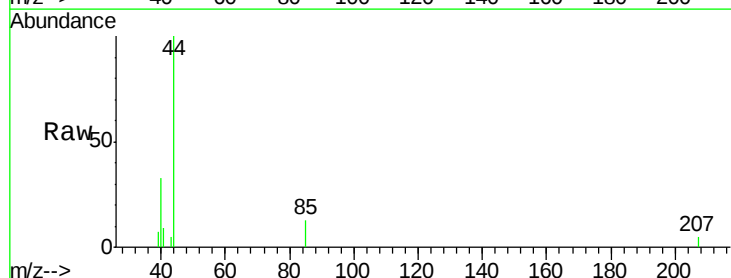
Acq: 05 Jul 2018 19:11

Tgt Ion: 85 Resp: 112

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

2.01

150

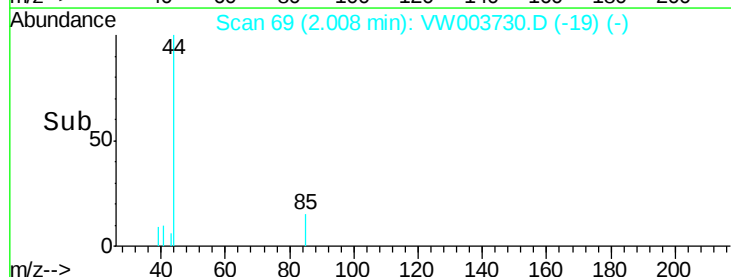
100

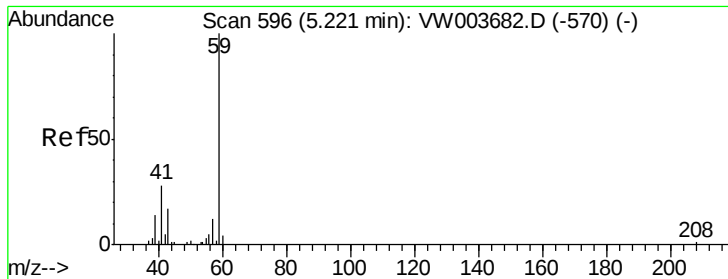
50

0

1.98 2.00 2.02

Time-->

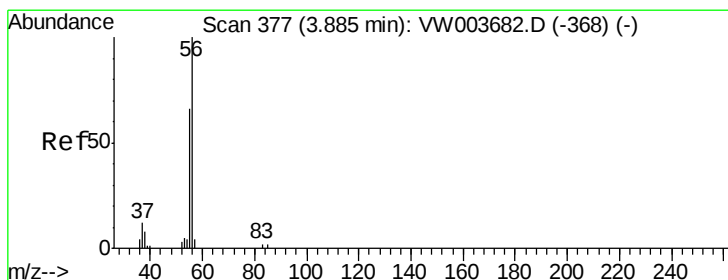
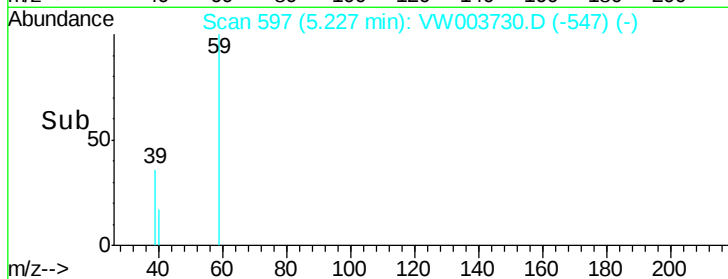
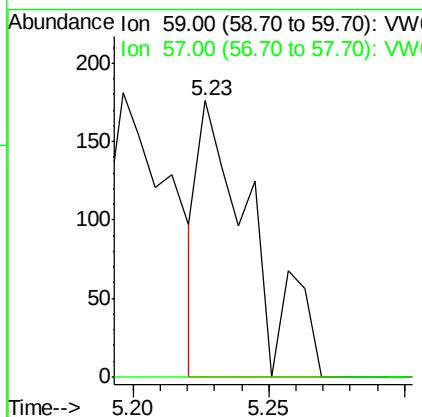
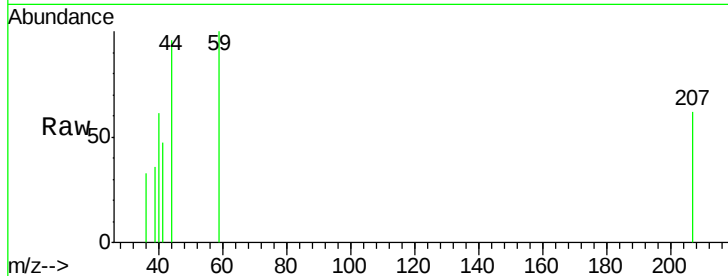




#11
Tert butvl alcohol
Concen: 2.203 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

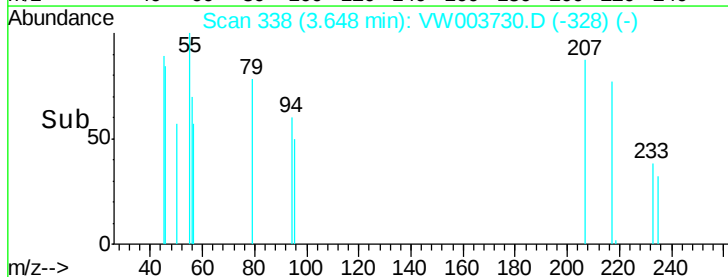
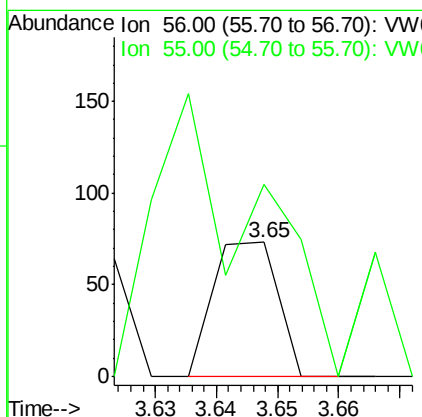
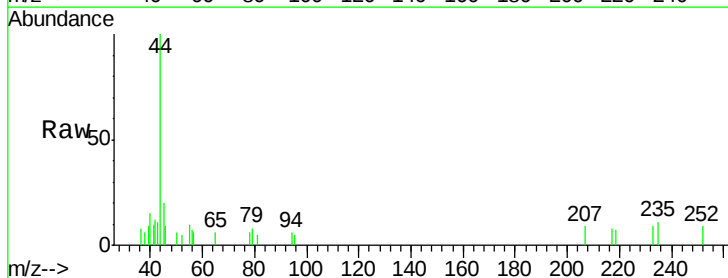
Instrument :
MSVOA_W
ClientSampled :

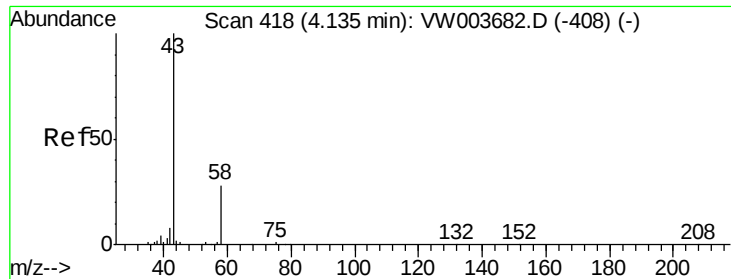
Tot Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 1.003 ug/l
RT: 3.65 min Scan# 338
Delta R.T. -0.24 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 381.1 54.7 82.1#

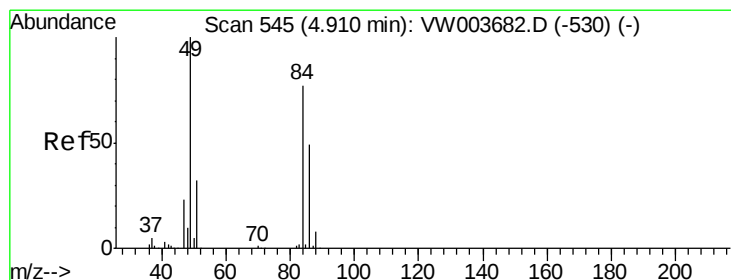
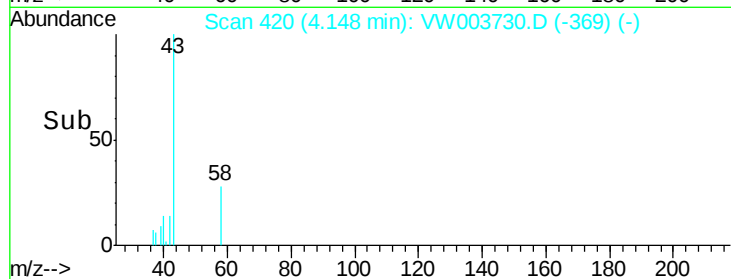
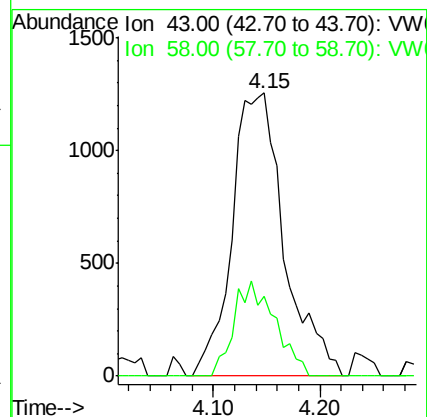
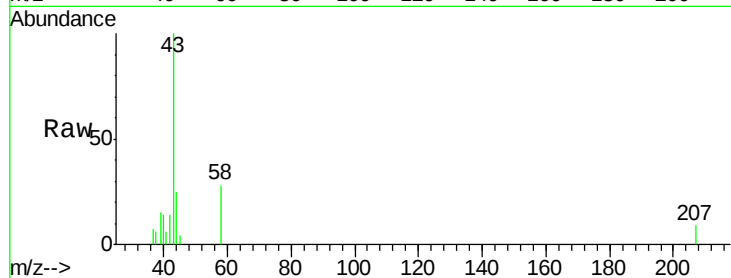




#16
Acetone
Concen: 10.370 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.01 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

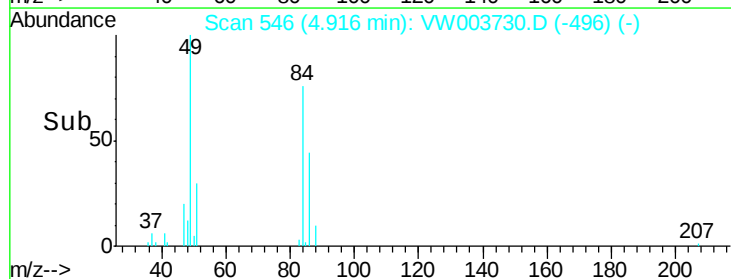
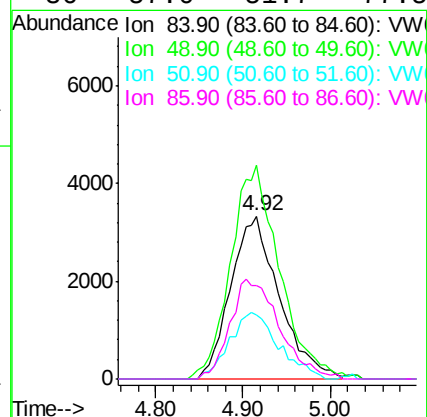
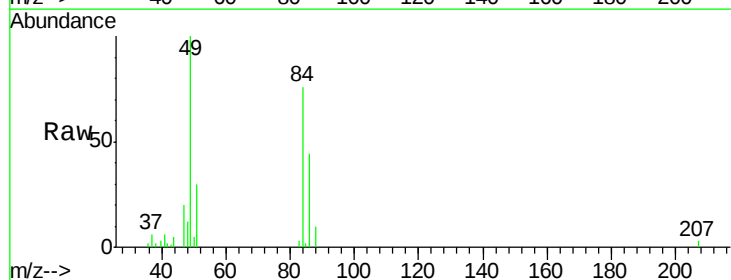
Instrument :
MSVOA_W
ClientSampled :

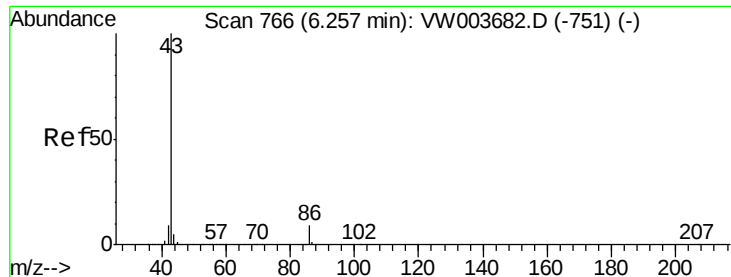
Tot Ion: 43 Resp: 4309
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1



#20
Methylene Chloride
Concen: 5.103 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

Tgt Ion: 84 Resp: 12892
Ion Ratio Lower Upper
84 100
49 128.4 104.6 156.8
51 39.4 33.2 49.8
86 57.0 51.7 77.5





#23

Vinyl Acetate

Concen: 13.886 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003730.D

Acq: 05 Jul 2018 19:11

Instrument :

MSVOA_W

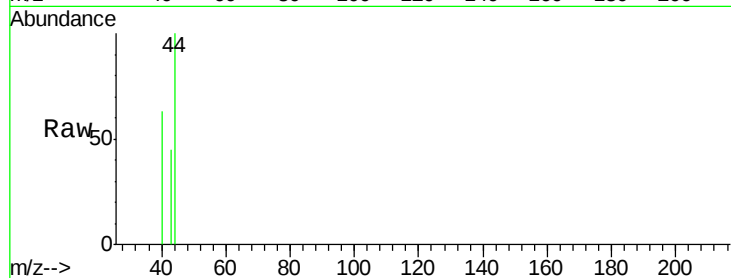
ClientSampleId :

Tot Ion: 43 Resp: 80

Ion Ratio Lower Upper

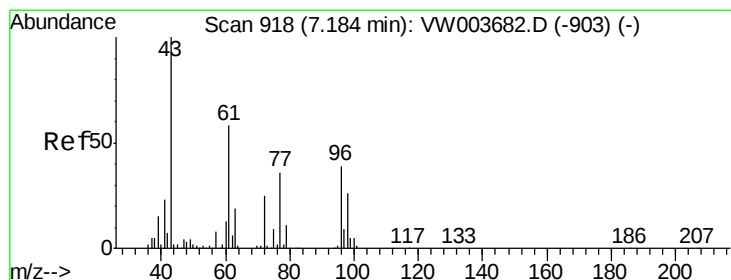
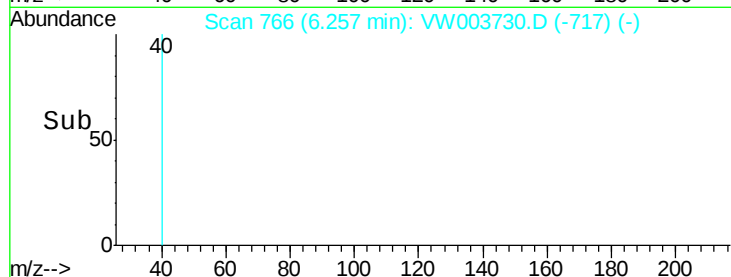
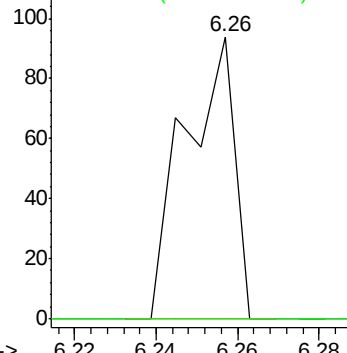
43 100

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



#25

2-Butanone

Concen: 3.272 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW003730.D

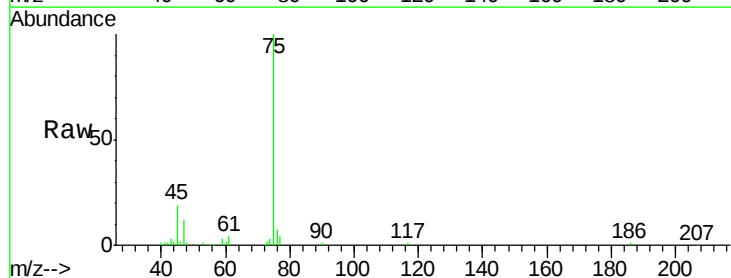
Acq: 05 Jul 2018 19:11

Tgt Ion: 43 Resp: 1741

Ion Ratio Lower Upper

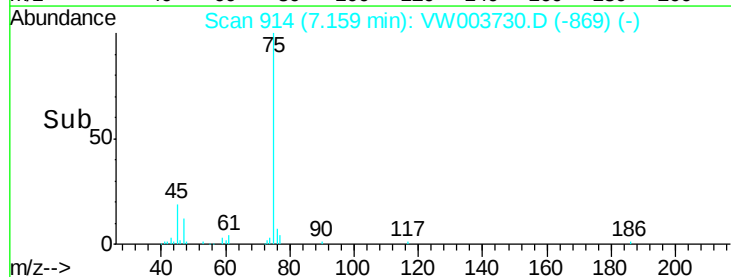
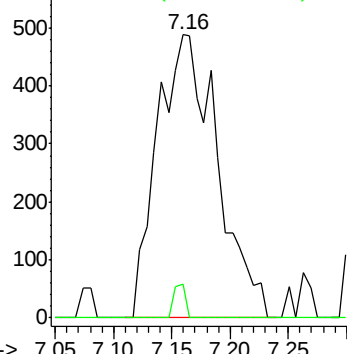
43 100

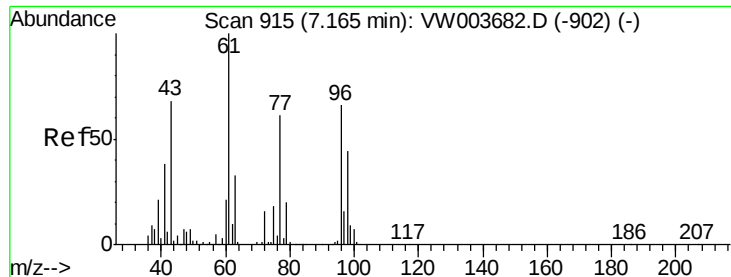
72 11.7 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.002 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003730.D

Acq: 05 Jul 2018 19:11

Instrument :

MSVOA_W

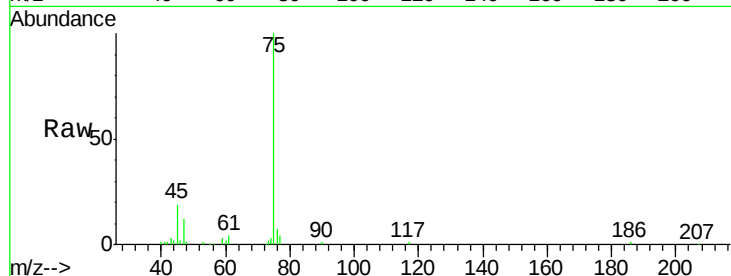
ClientSampleId :

Tot Ion: 77 Resp: 1796

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

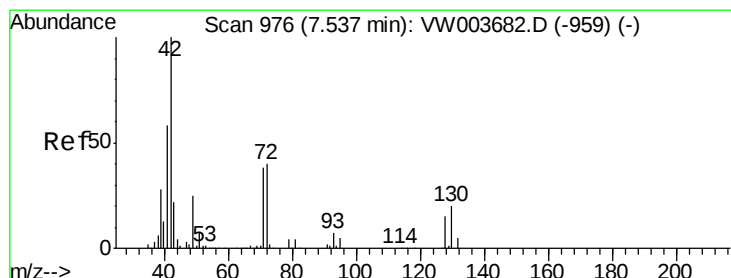
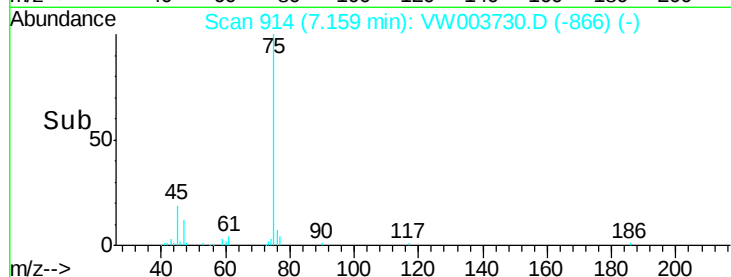
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 1.834 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW003730.D

Acq: 05 Jul 2018 19:11

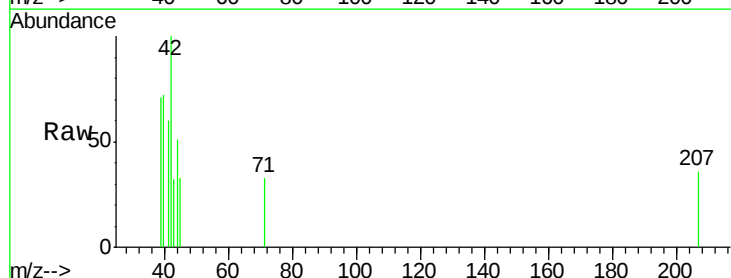
Tgt Ion: 42 Resp: 585

Ion Ratio Lower Upper

42 100

72 15.2 32.0 48.0#

71 14.2 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

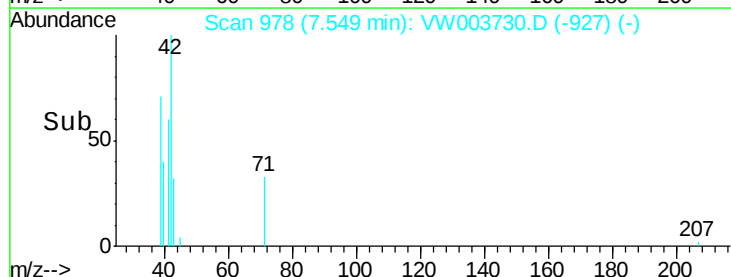
300

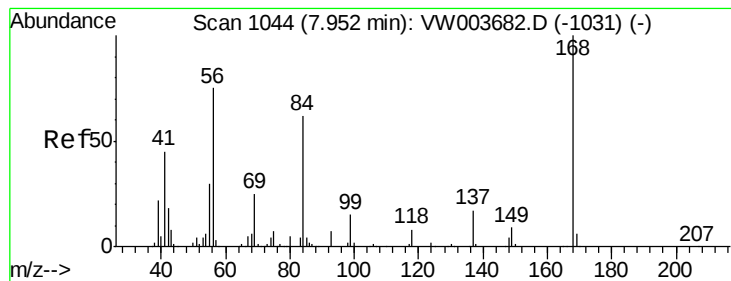
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.433 ug/l

RT: 7.95 min Scan# 1043

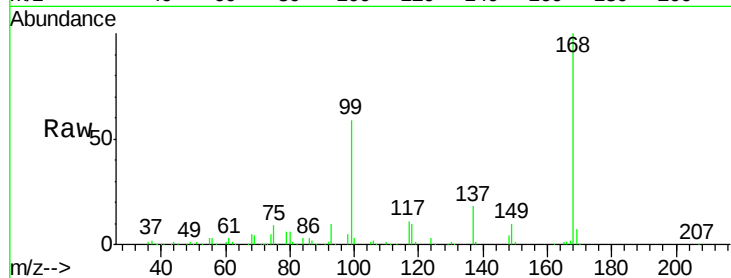
Delta R.T. -0.01 min

Lab File: VW003730.D

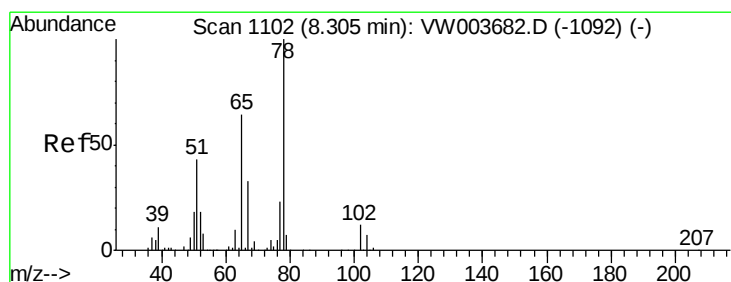
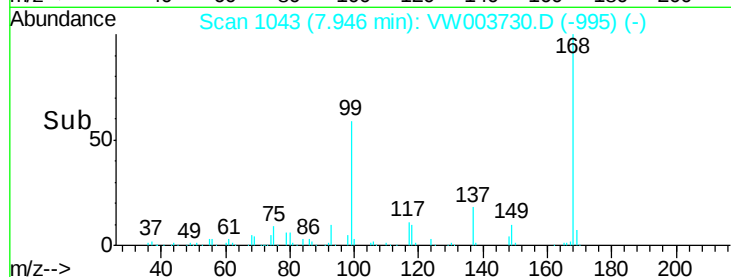
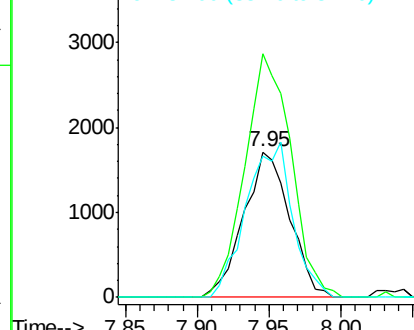
Acq: 05 Jul 2018 19:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	56	Resp:	3814
Ion	Ratio	Lower	Upper
56	100		
69	167.3	27.0	40.4#
84	97.1	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: 53.429 ug/l

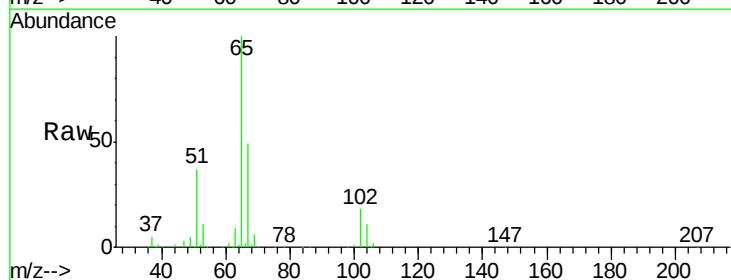
RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

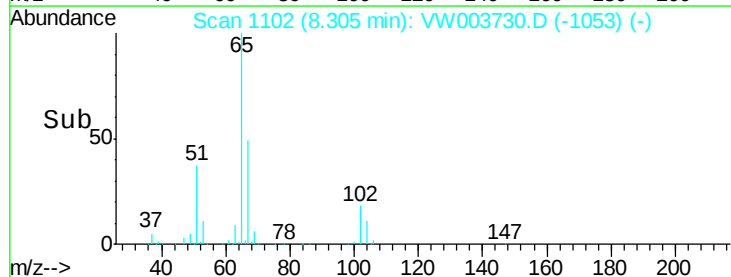
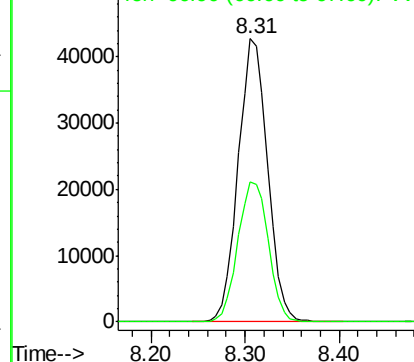
Lab File: VW003730.D

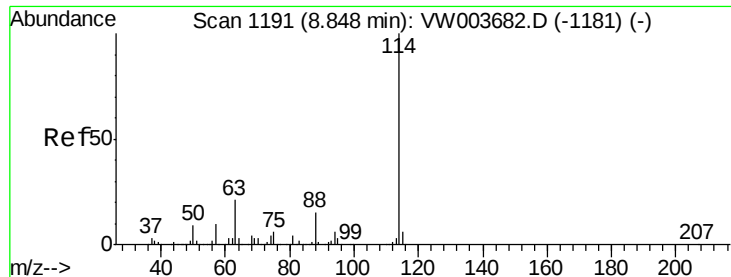
Acq: 05 Jul 2018 19:11

Tgt Ion:	65	Resp:	93001
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.0



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

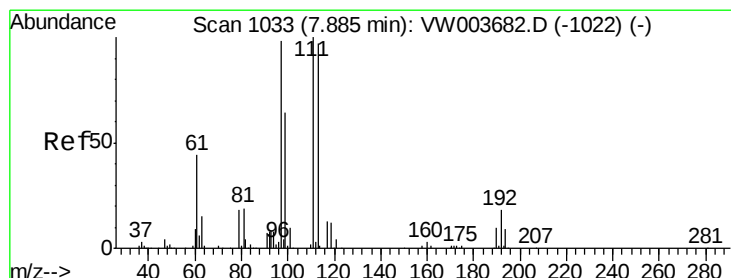
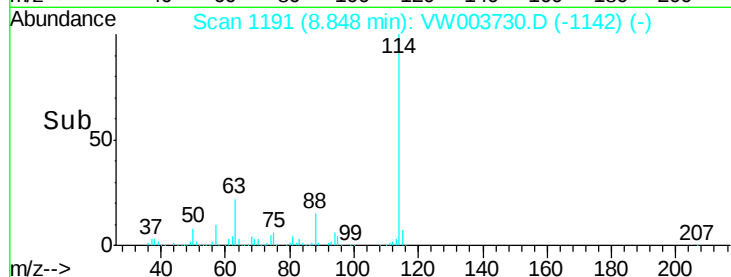
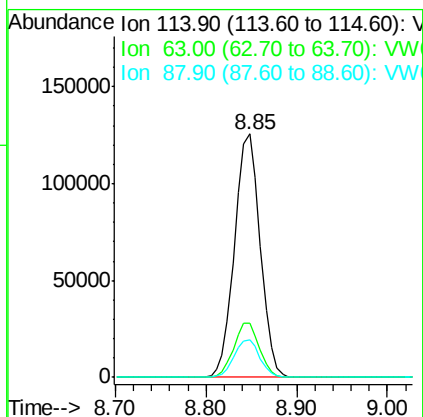
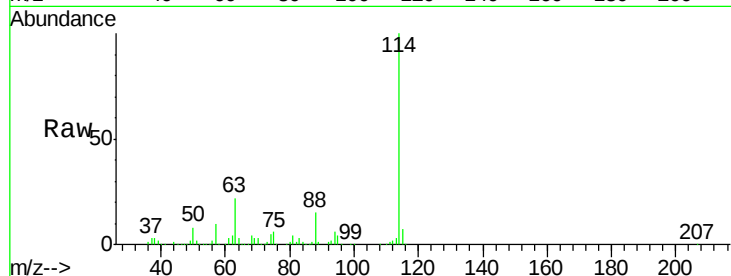




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003730.D
 Acq: 05 Jul 2018 19:11

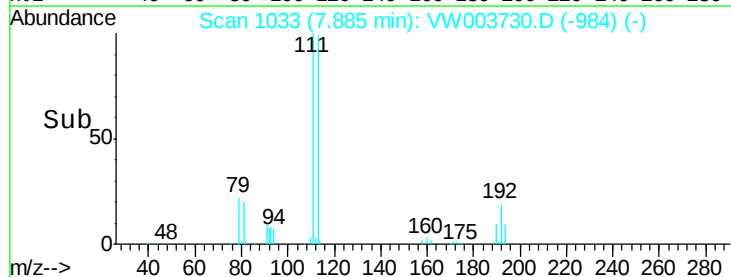
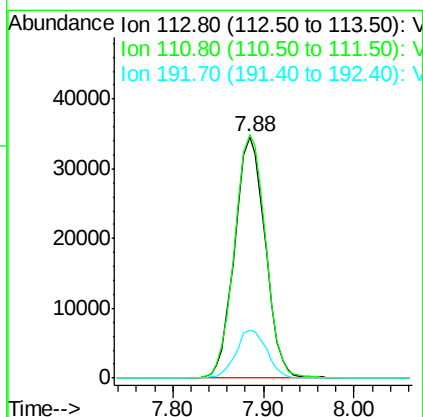
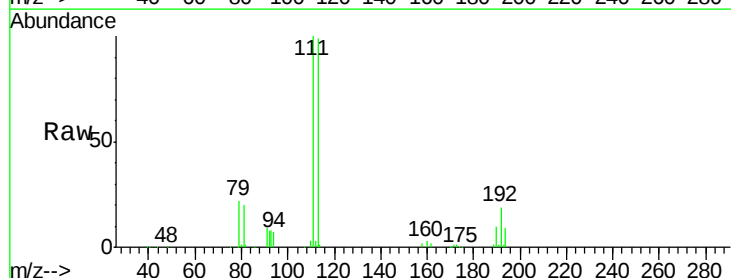
Instrument :
 MSVOA_W
 ClientSampleId :

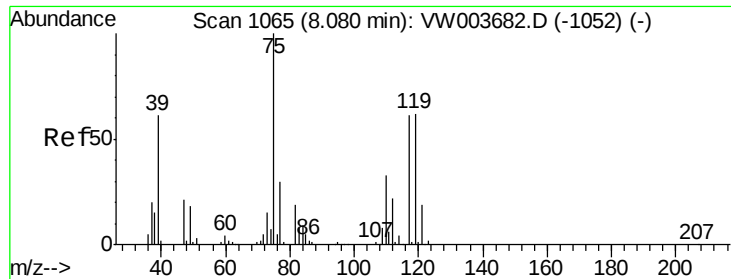
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.6
88	15.2	0.0	29.8



#35
 Dibromofluoromethane
 Concen: 50.264 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003730.D
 Acq: 05 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	20.1	15.8	23.6

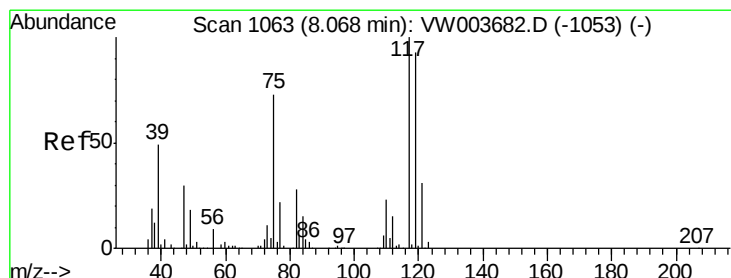
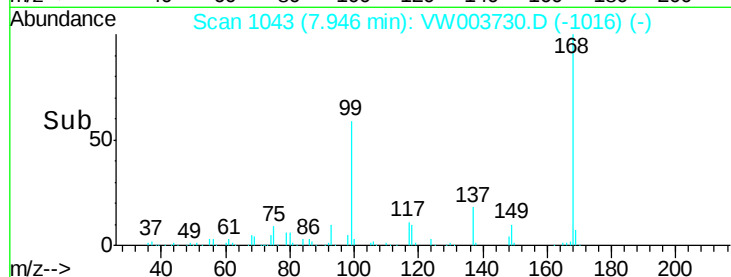
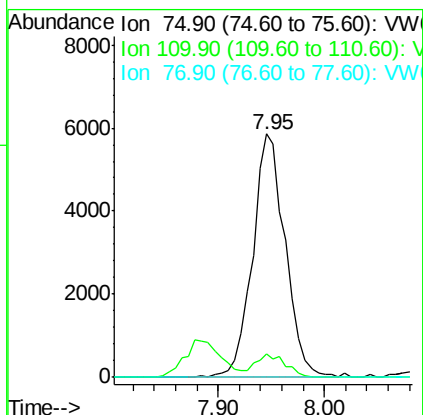
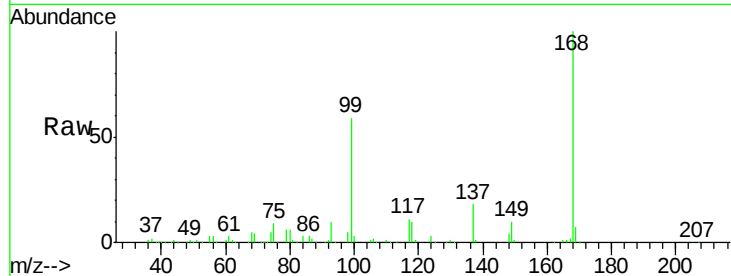




#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003730.D
 Acq: 05 Jul 2018 19:11

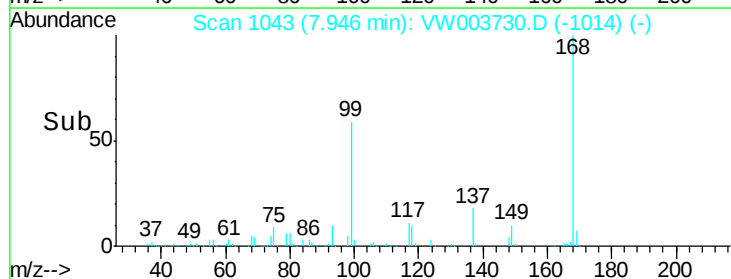
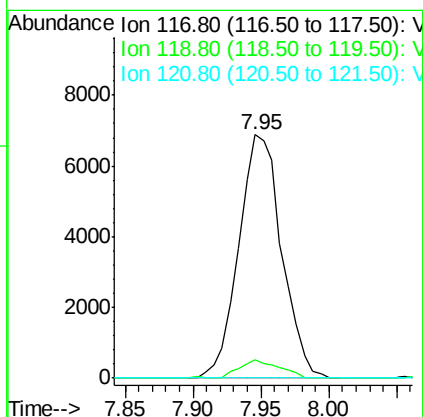
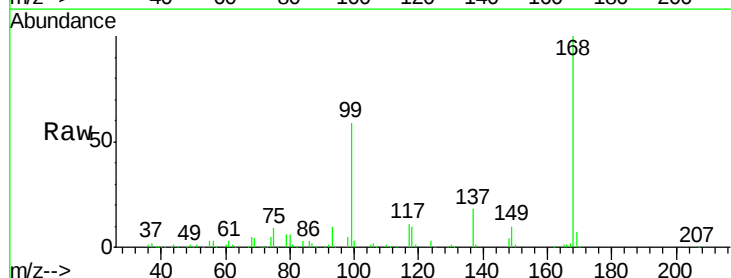
Instrument :
 MSVOA_W
 ClientSampled :

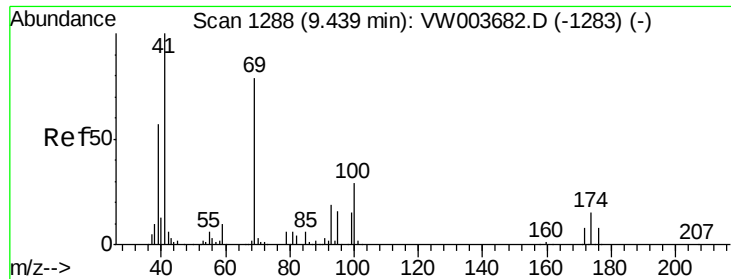
Tot Ion	75	Resp	12543
Ion Ratio	Lower	Upper	
75	100		
110	8.5	16.9	50.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.431 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003730.D
 Acq: 05 Jul 2018 19:11

Tgt Ion	117	Resp	15171
Ion Ratio	Lower	Upper	
117	100		
119	7.6	74.1	111.1#
121	0.0	25.0	37.4#

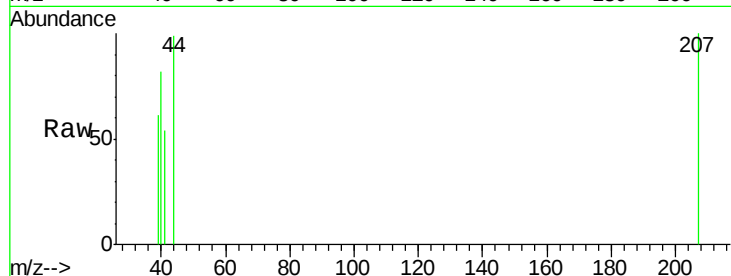




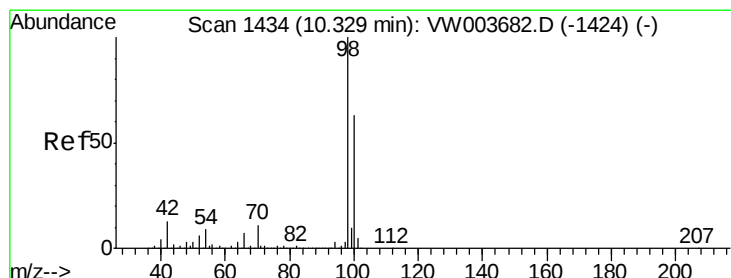
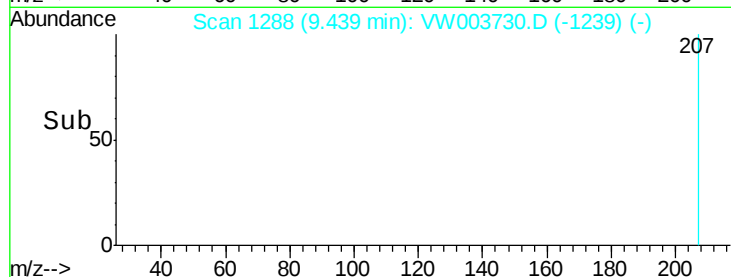
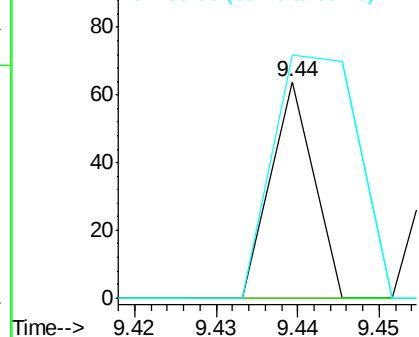
#48
Methvl methacrvlate
Concen: 3.382 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 23
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 226.1 50.0 75.0#

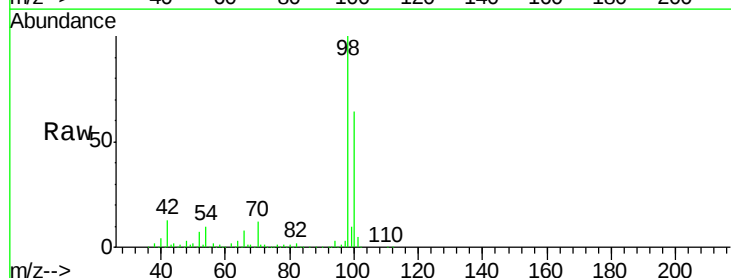


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

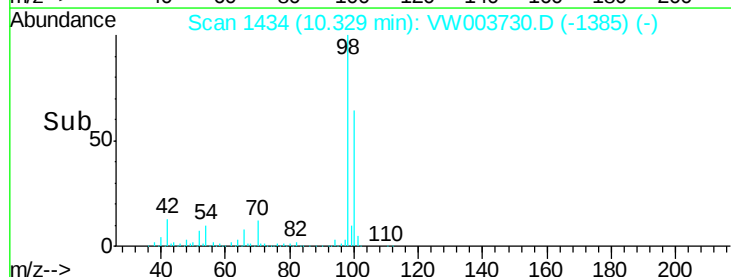
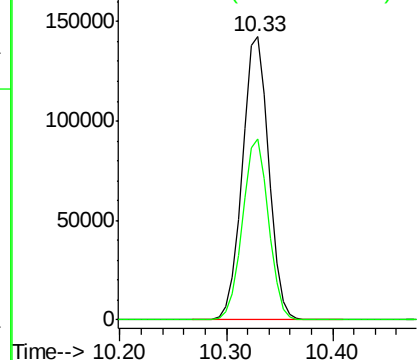


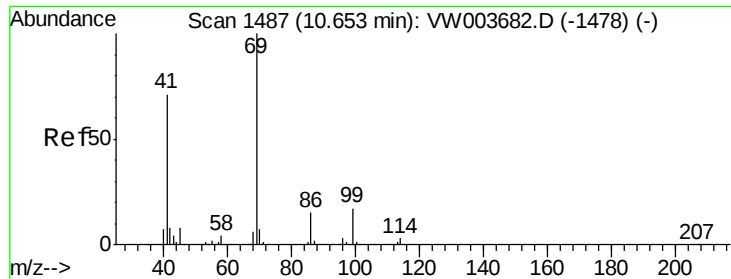
#50
Toluene-d8
Concen: 39.335 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

Tgt Ion: 98 Resp: 248804
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2



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

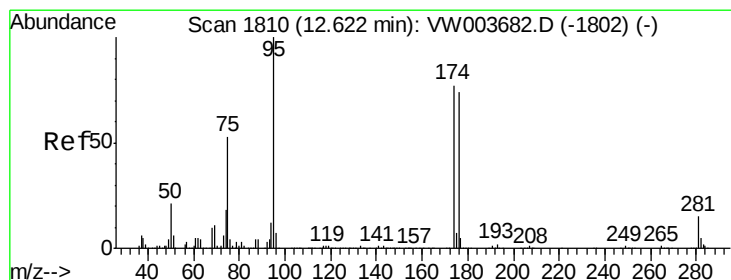
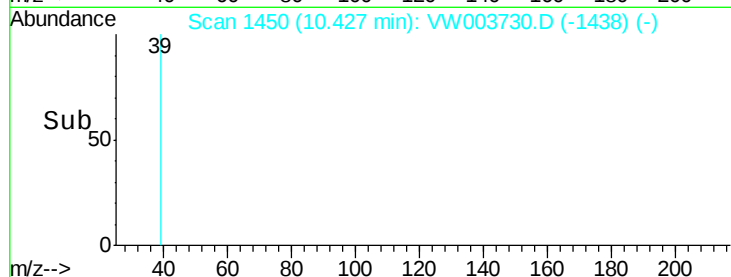
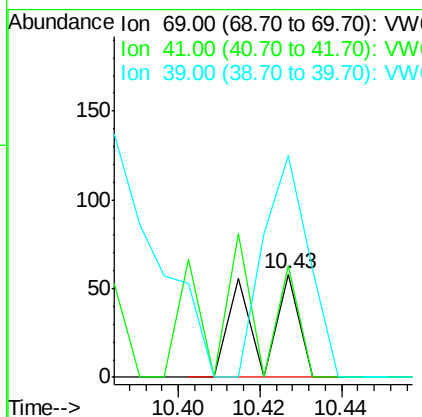
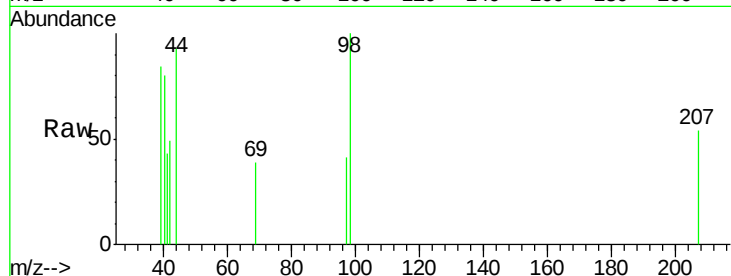




#56
Ethyl methacrylate
Concen: 3.606 ug/l
RT: 10.43 min Scan# 1450
Delta R.T. -0.23 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

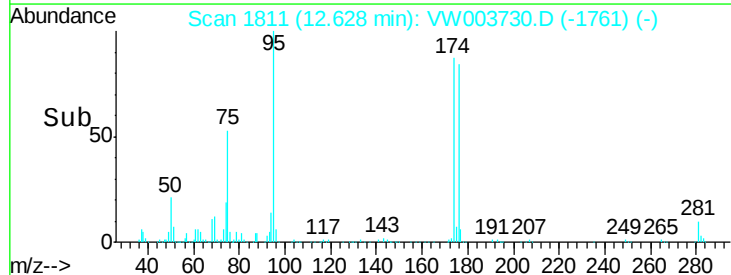
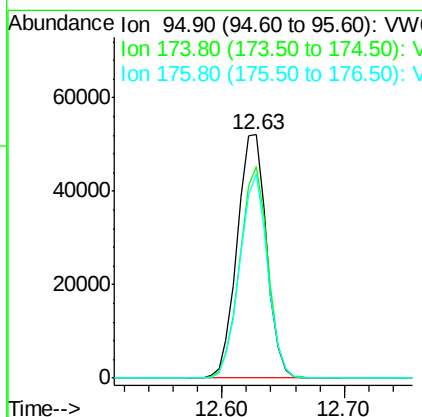
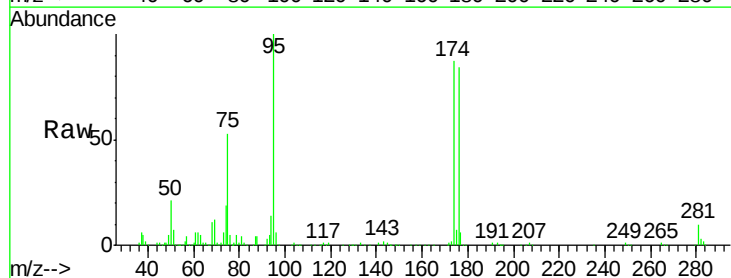
Instrument :
MSVOA_W
ClientSampled :

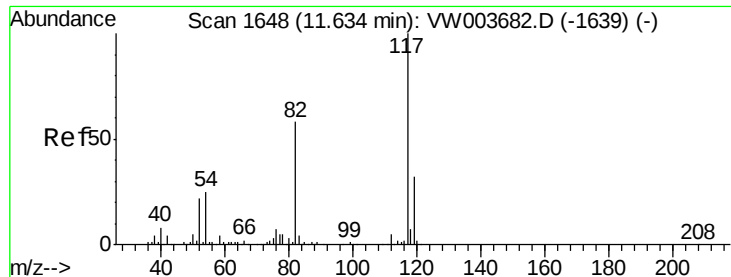
Tot Ion: 69 Resp: 42
Ion Ratio Lower Upper
69 100
41 126.2 57.5 86.3#
39 233.3 29.4 44.0#



#62
4-Bromofluorobenzene
Concen: 38.053 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

Tgt Ion: 95 Resp: 86470
Ion Ratio Lower Upper
95 100
174 84.0 0.0 161.2
176 79.6 0.0 155.0

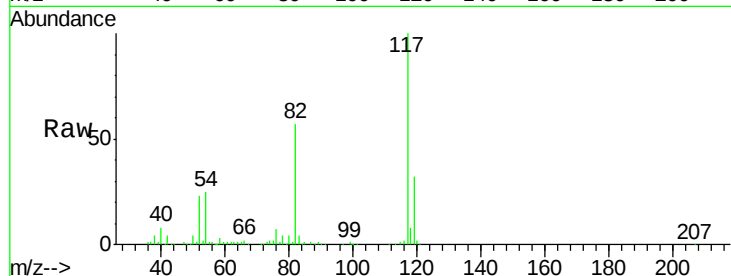




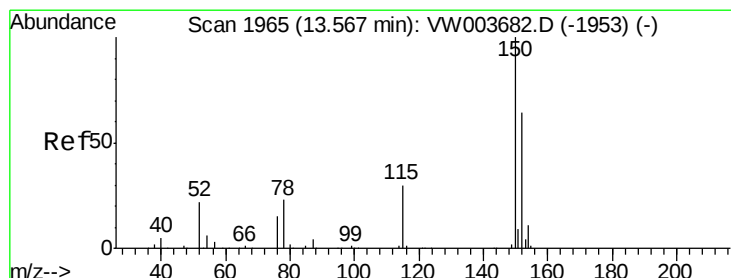
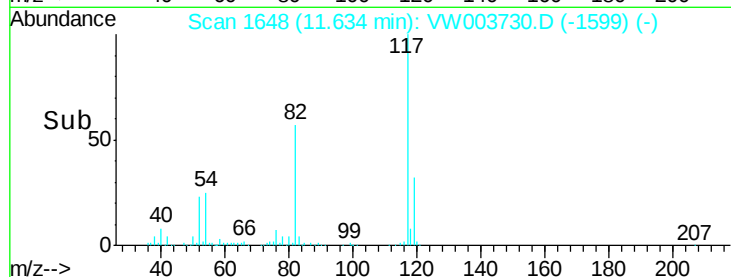
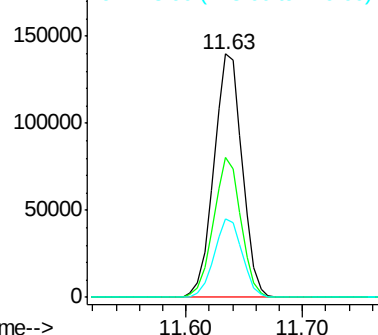
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.0	69.0
119	32.4	25.4	38.0

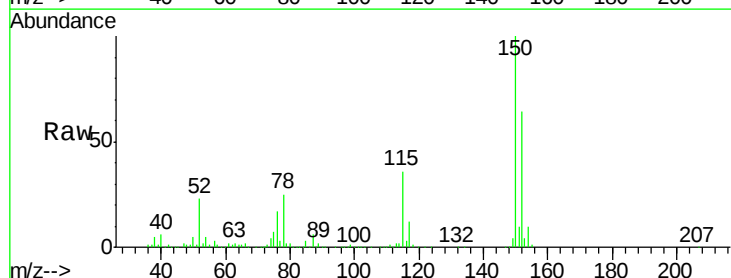


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

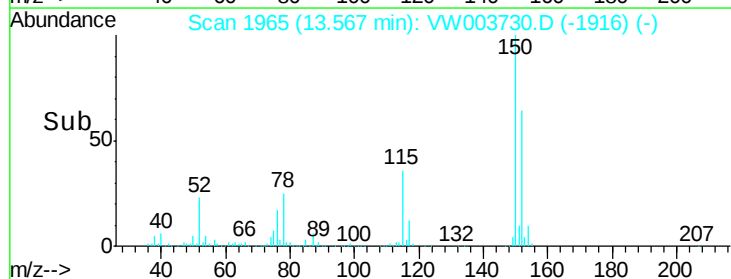
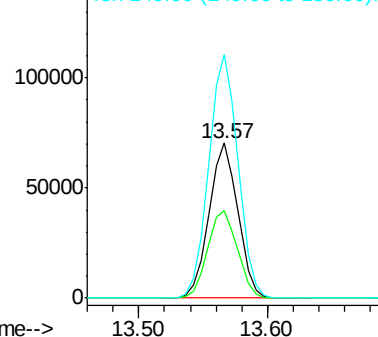


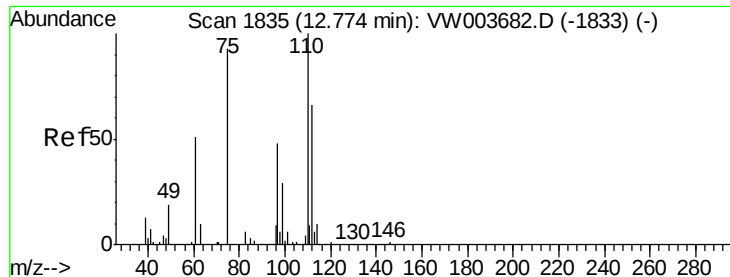
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003730.D
Acq: 05 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.3	88.0
150	158.9	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: 47.275 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003730.D

Acq: 05 Jul 2018 19:11

Instrument :

MSVOA_W

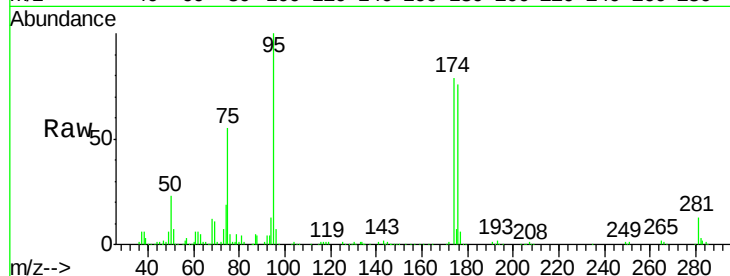
ClientSampleId :

Tot Ion: 75 Resp: 46296

Ion Ratio Lower Upper

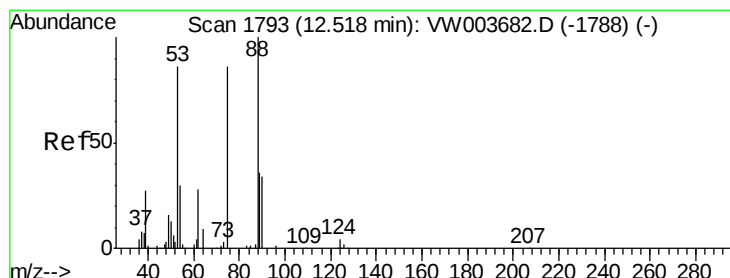
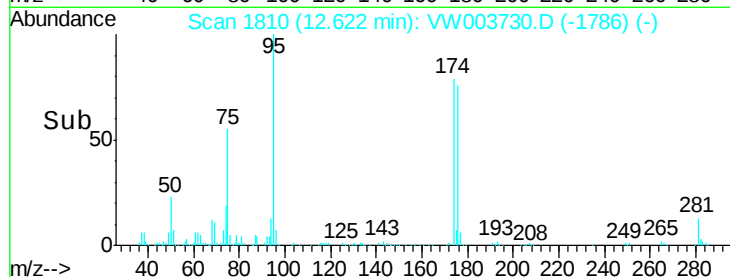
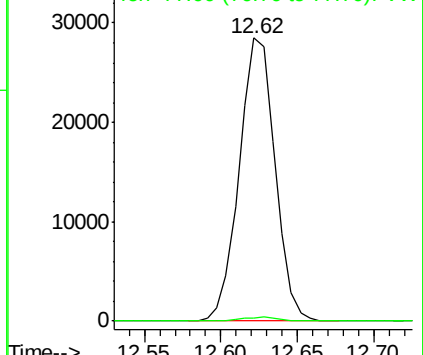
75 100

77 1.4 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: 100.171 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003730.D

Acq: 05 Jul 2018 19:11

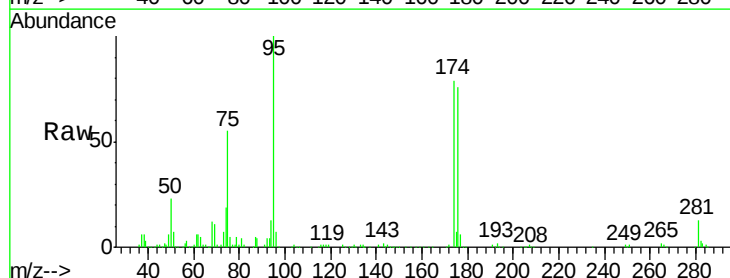
Tgt Ion: 75 Resp: 46296

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

