

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070518\
 Data File : VW003732.D
 Acq On : 05 Jul 2018 20:03
 Operator : SY/AP
 Sample : J3845-11
 Misc : 5.04G/7ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 06 02:37:29 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	138272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	238248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	213514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91525	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	90700	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	7.88	113	80332	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	10.33	98	247833	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	
62) 4-Bromofluorobenzene	12.62	95	75770	34.58	ug/l	0.00
Spiked Amount			Recovery	=	69.16%	

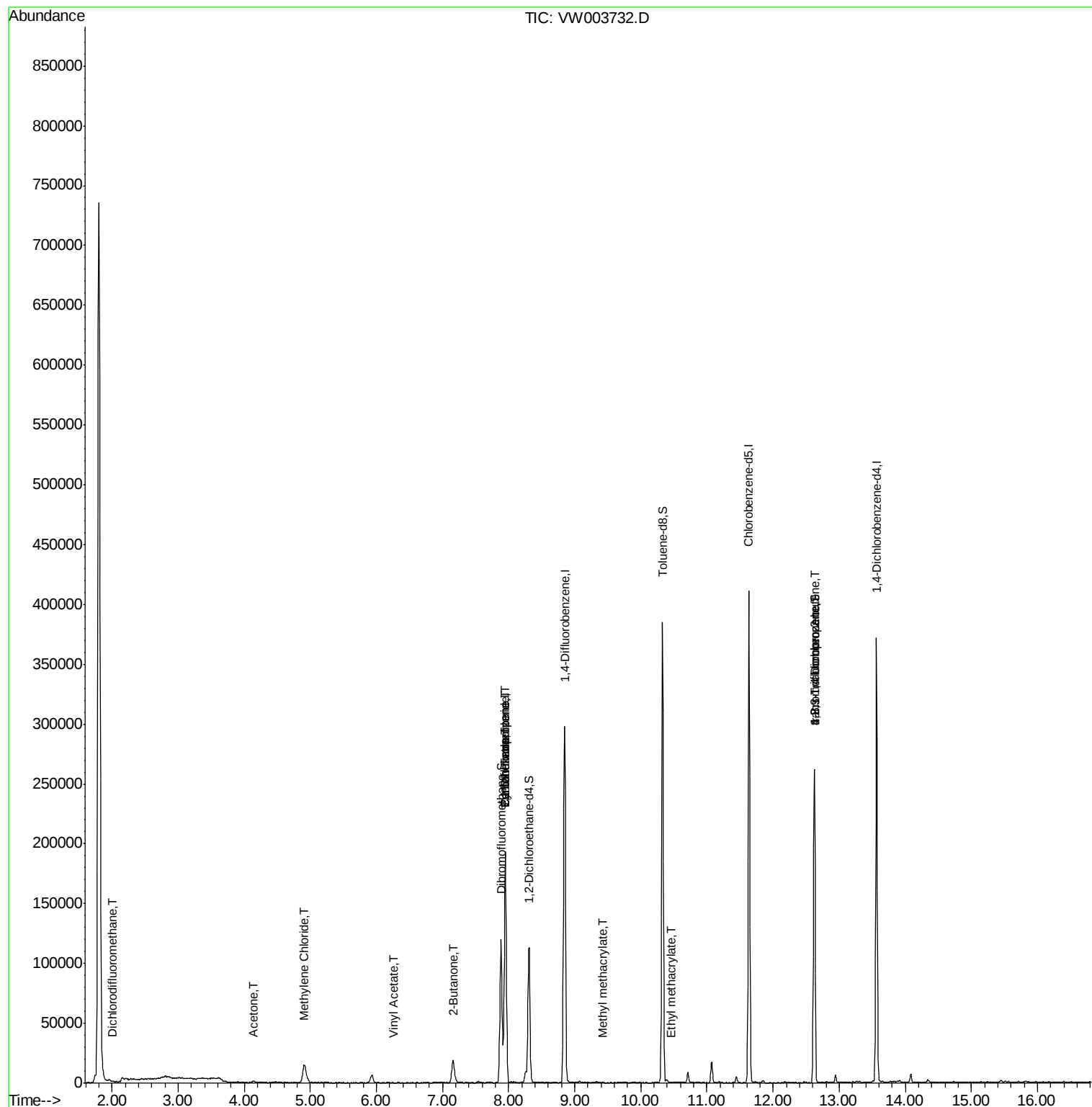
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	87	4.974	ug/l #	43
16) Acetone	4.14	43	2270	5.769	ug/l	90
20) Methylene Chloride	4.92	84	13345	5.910	ug/l	91
23) Vinyl Acetate	6.26	43	71	13.885	ug/l #	74
25) 2-Butanone	7.15	43	646	1.282	ug/l #	50
31) Cyclohexane	7.95	56	3810	1.512	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	11405	4.769	ug/l #	50
38) Carbon Tetrachloride	7.95	117	13869	6.096	ug/l #	17
48) Methyl methacrylate	9.43	41	19	3.379	ug/l #	1
56) Ethyl methacrylate	10.46	69	23	3.597	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	41241	50.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41241	106.189	ug/l #	9

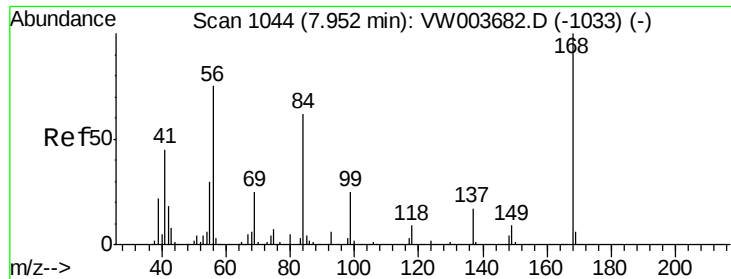
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003732.D

Acq: 05 Jul 2018 20:03

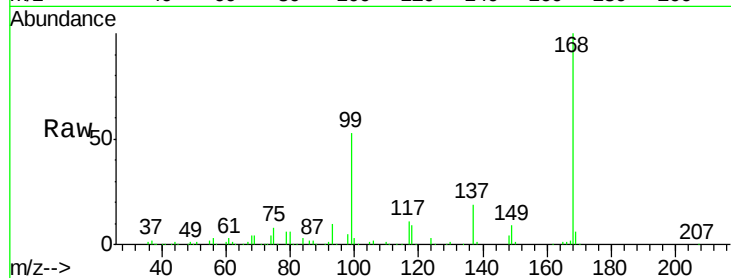
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 138272

Ion Ratio Lower Upper

168 100

99 53.3 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

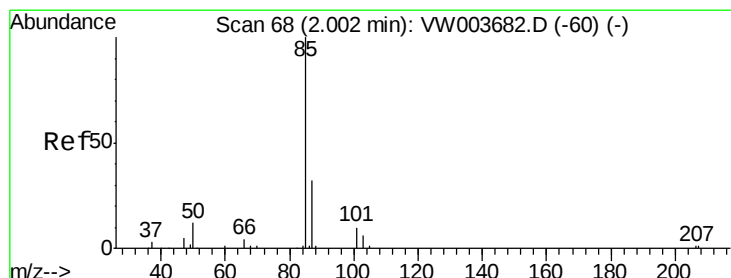
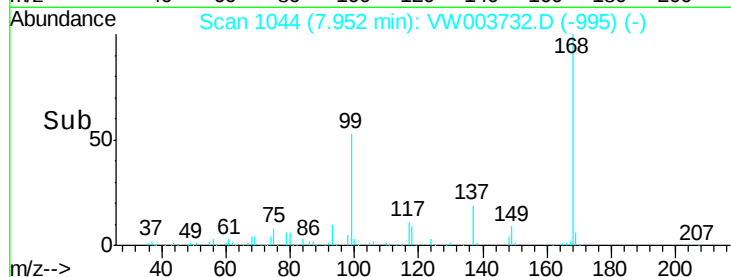
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 4.974 ug/l

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW003732.D

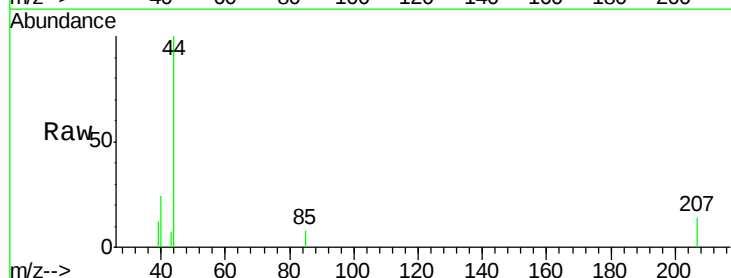
Acq: 05 Jul 2018 20:03

Tgt Ion: 85 Resp: 87

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

80

60

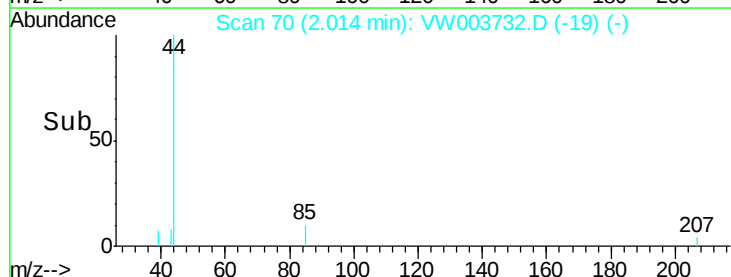
40

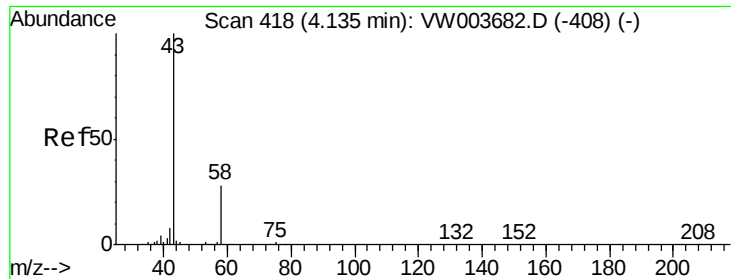
20

0

1.98 2.00 2.02 2.04

Time-->





#16

Acetone

Concen: 5.769 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003732.D

Acq: 05 Jul 2018 20:03

Instrument :

MSVOA_W

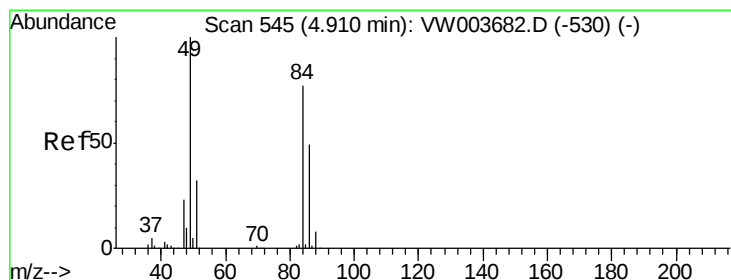
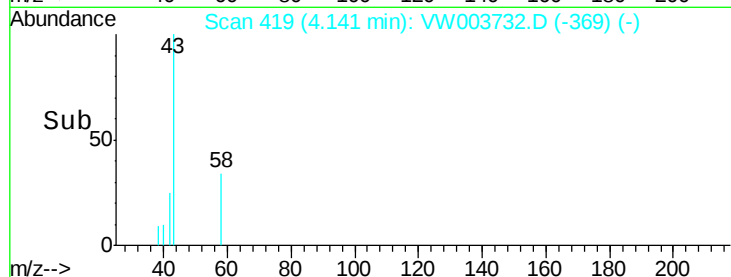
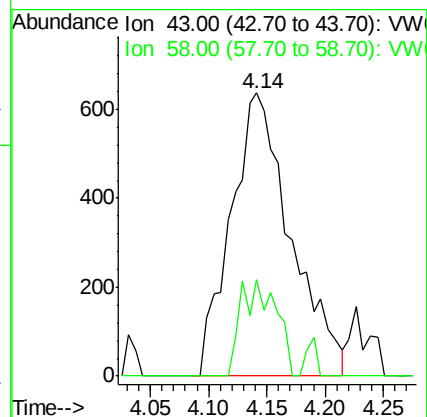
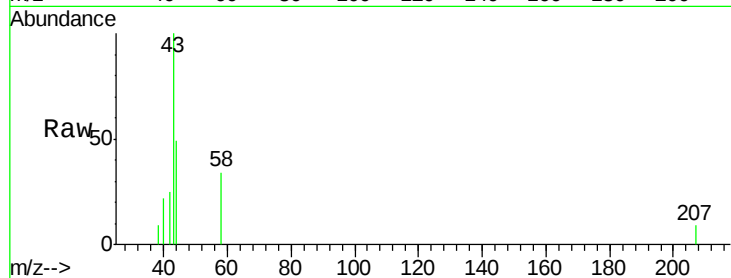
ClientSampled :

Tot Ion: 43 Resp: 2270

Ion Ratio Lower Upper

43 100

58 33.9 22.7 34.1



#20

Methylene Chloride

Concen: 5.910 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003732.D

Acq: 05 Jul 2018 20:03

Tgt Ion: 84 Resp: 13345

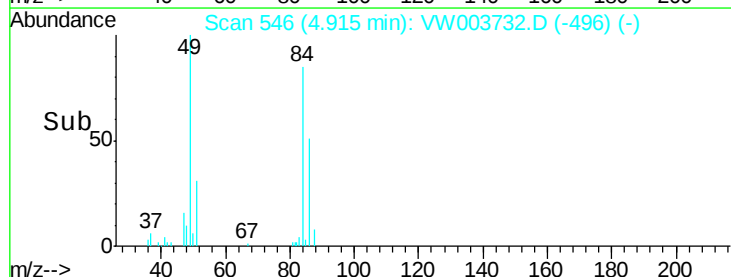
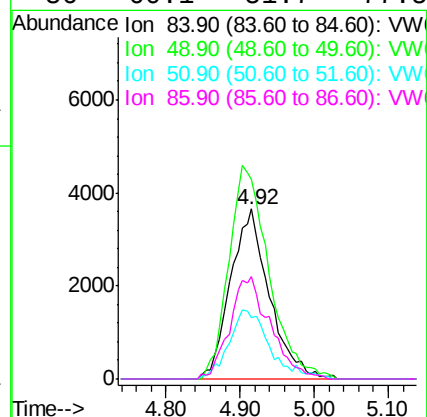
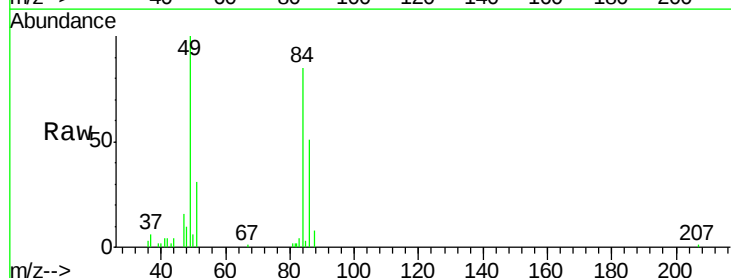
Ion Ratio Lower Upper

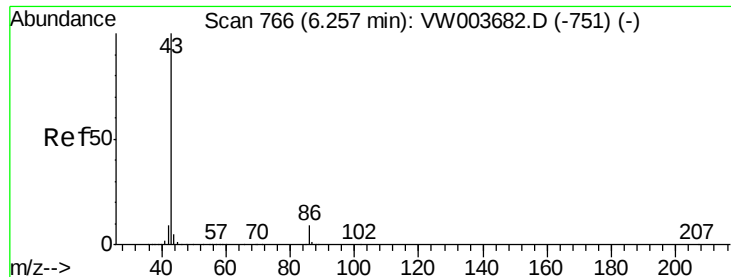
84 100

49 117.3 104.6 156.8

51 35.8 33.2 49.8

86 60.1 51.7 77.5





#23

Vinyl Acetate

Concen: 13.885 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW003732.D

Acq: 05 Jul 2018 20:03

Instrument :

MSVOA_W

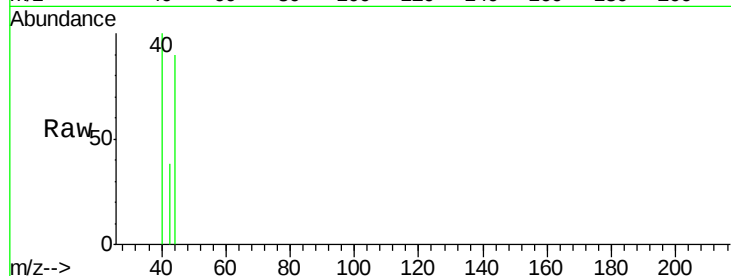
ClientSampleId :

Tot Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

86 0.0 7.5 11.3#



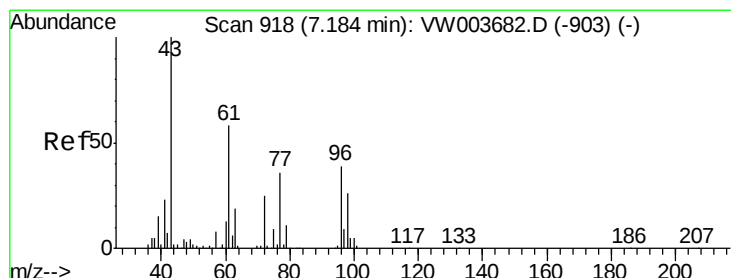
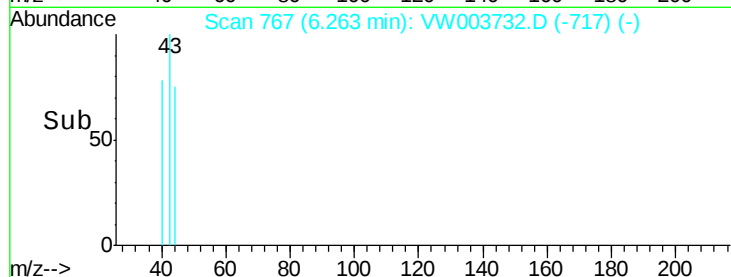
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

6.24 6.26 6.28

Time-->



#25

2-Butanone

Concen: 1.282 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW003732.D

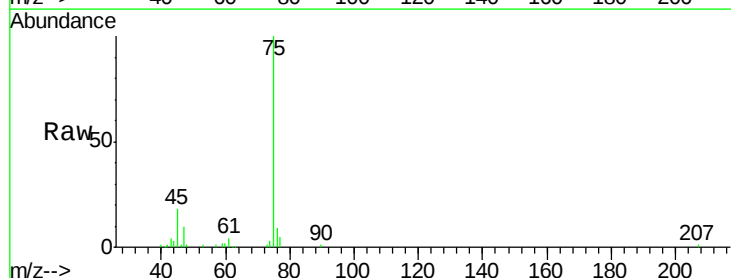
Acq: 05 Jul 2018 20:03

Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



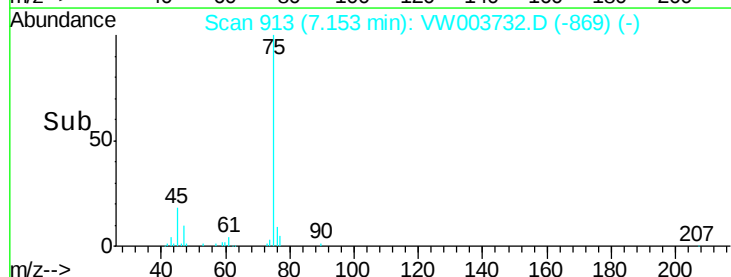
Abundance Ion 43.00 (42.70 to 43.70): VW

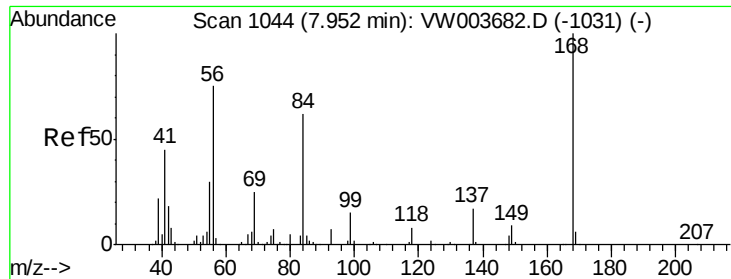
Ion 72.00 (71.70 to 72.70): VW

7.15

7.12 7.14 7.16

Time-->

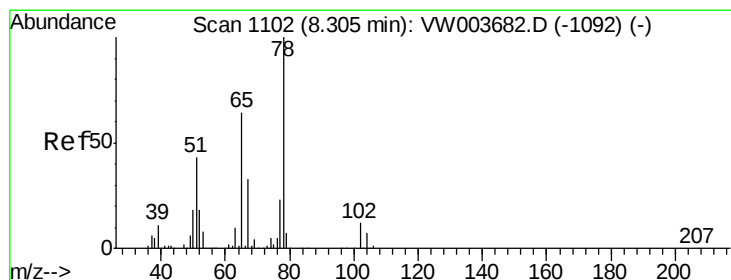
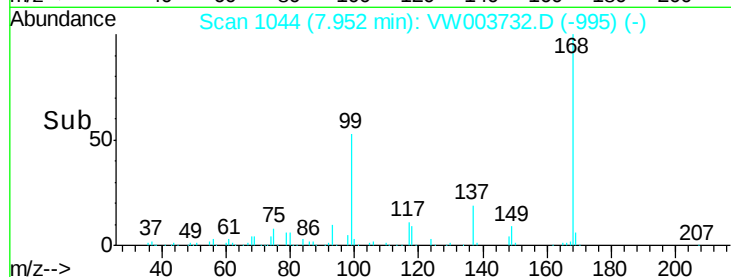
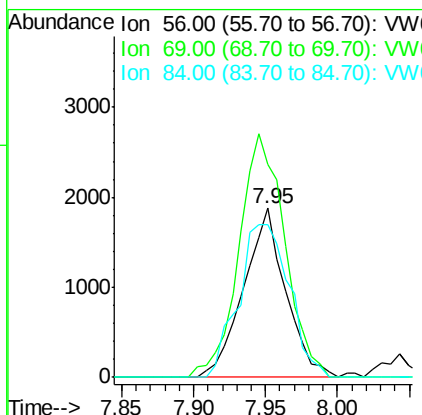
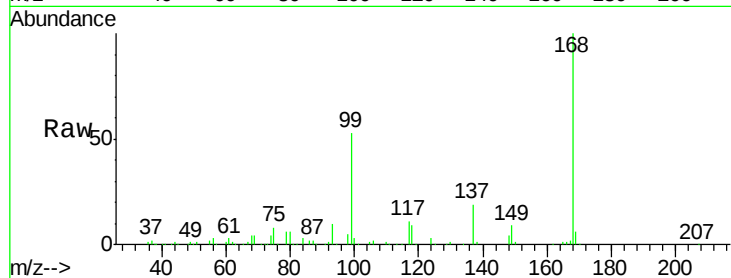




#31
Cyclohexane
Concen: 1.512 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003732.D
Acq: 05 Jul 2018 20:03

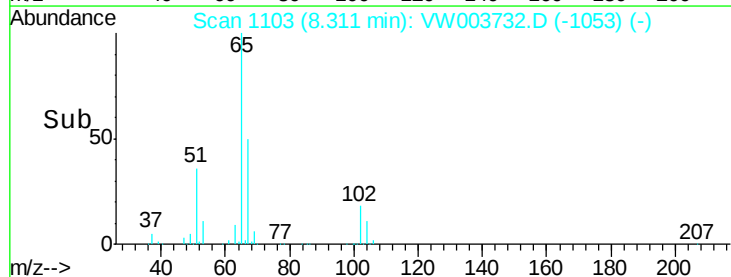
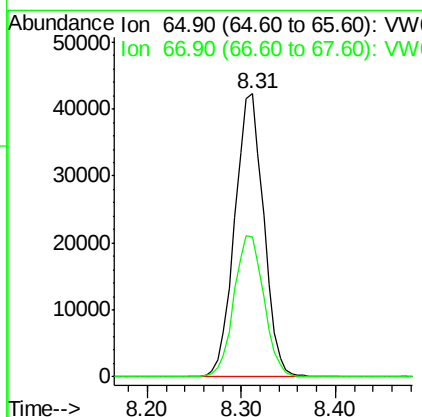
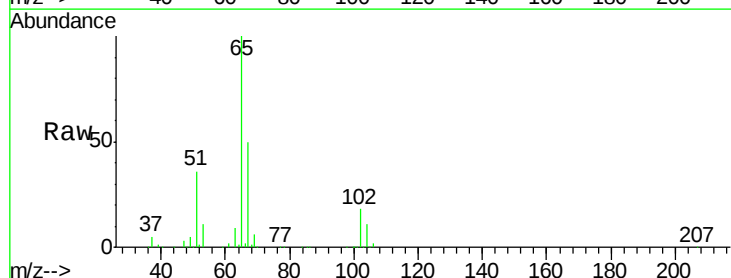
Instrument :
MSVOA_W
ClientSampled :

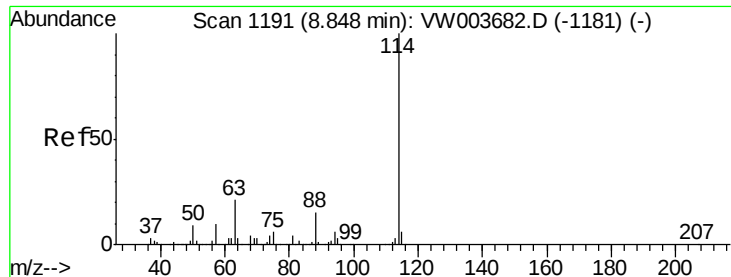
Tot Ion: 56 Resp: 3810
Ion Ratio Lower Upper
56 100
69 125.6 27.0 40.4#
84 90.4 65.4 98.0



#33
1,2-Dichloroethane-d4
Concen: 55.020 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003732.D
Acq: 05 Jul 2018 20:03

Tgt Ion: 65 Resp: 90700
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0

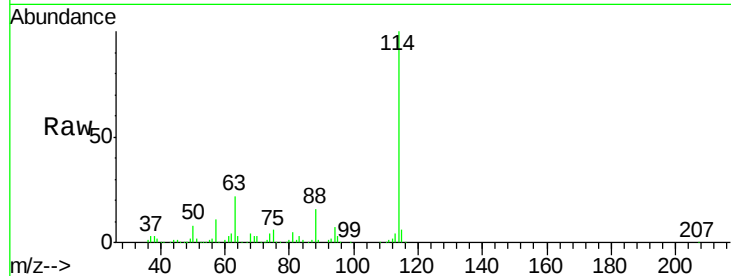




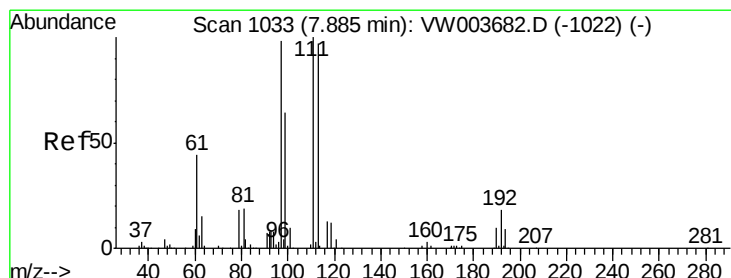
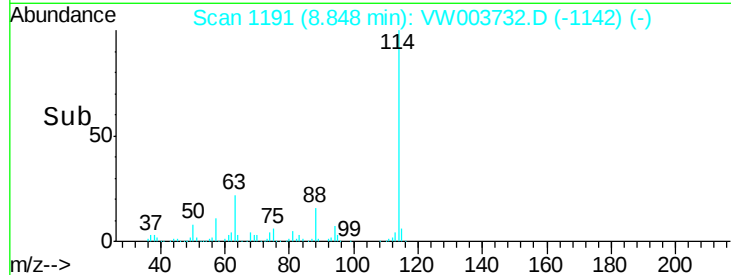
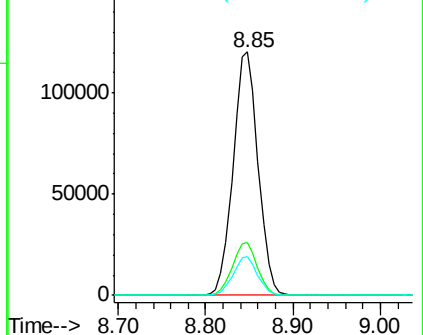
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003732.D
 Acq: 05 Jul 2018 20:03

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	41.6
88	15.8	0.0	29.8

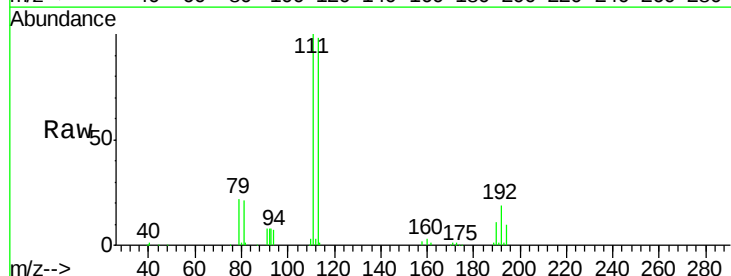


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

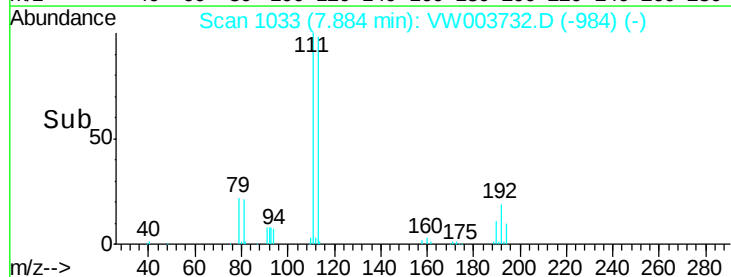
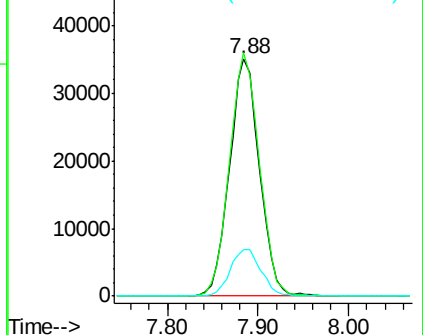


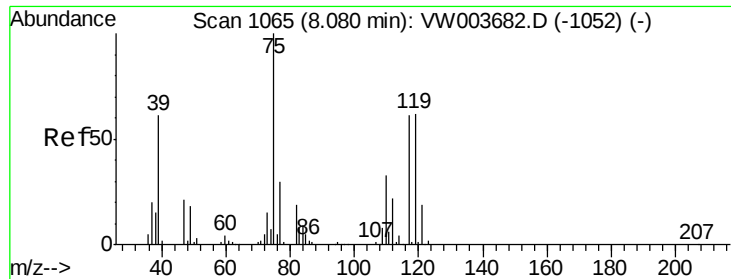
#35
 Dibromofluoromethane
 Concen: 51.698 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003732.D
 Acq: 05 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	20.1	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: 4.769 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003732.D

Acq: 05 Jul 2018 20:03

Instrument :

MSVOA_W

ClientSampled :

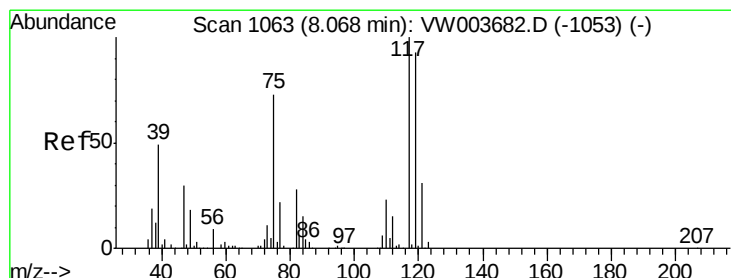
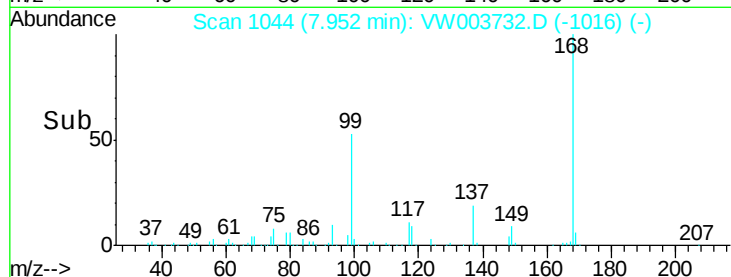
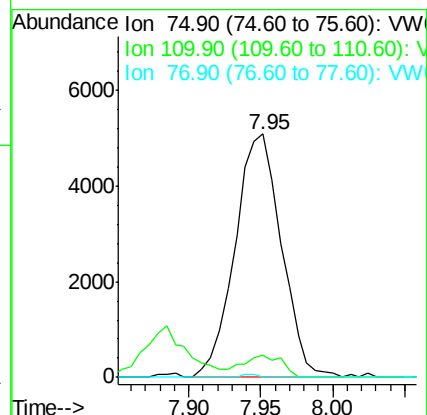
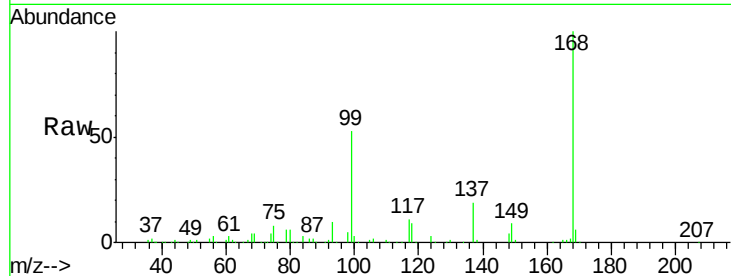
Tot Ion: 75 Resp: 11405

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.6#

77 0.3 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003732.D

Acq: 05 Jul 2018 20:03

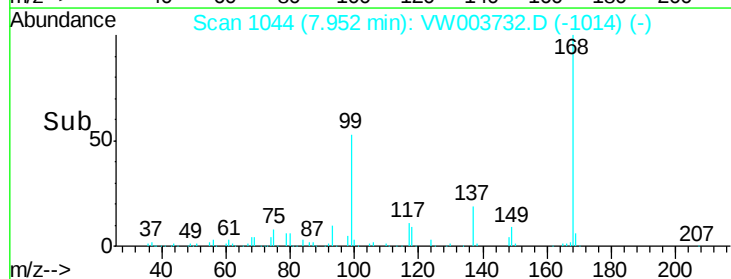
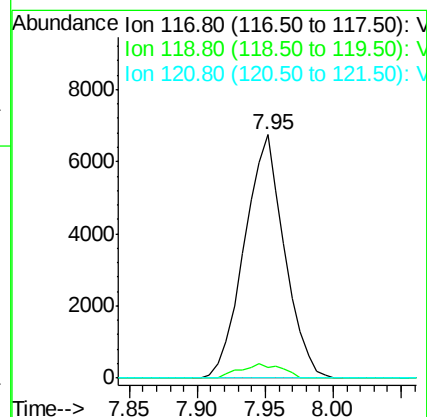
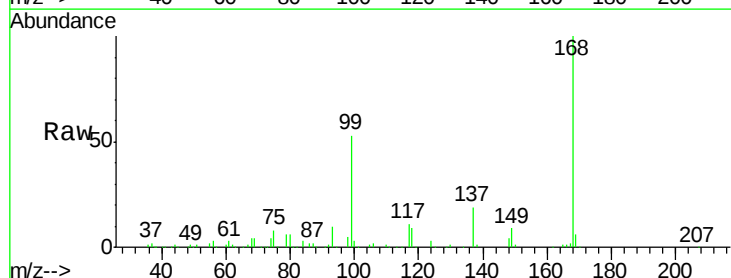
Tgt Ion: 117 Resp: 13869

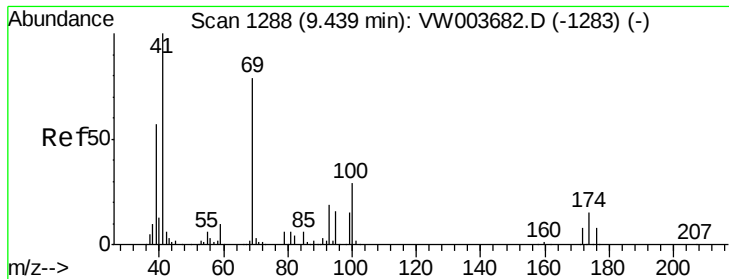
Ion Ratio Lower Upper

117 100

119 4.3 74.1 111.1#

121 0.0 25.0 37.4#

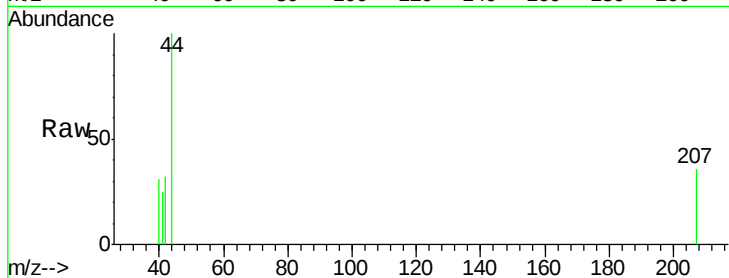




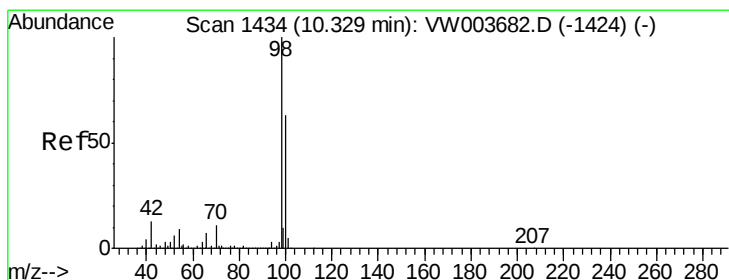
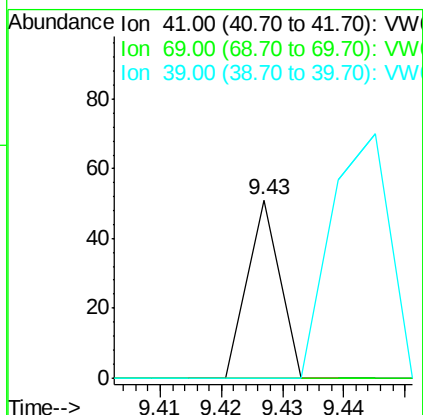
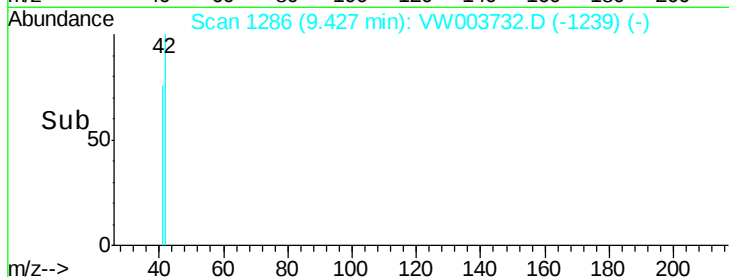
#48
Methvl methacrylate
Concen: 3.379 ug/l
RT: 9.43 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VW003732.D
Acq: 05 Jul 2018 20:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 242.1 50.0 75.0#

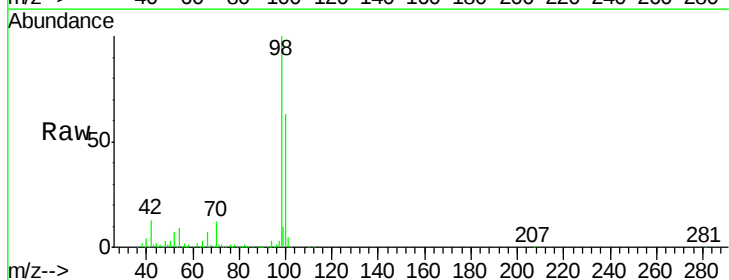


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

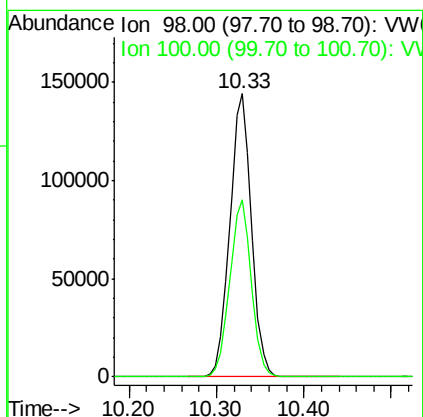
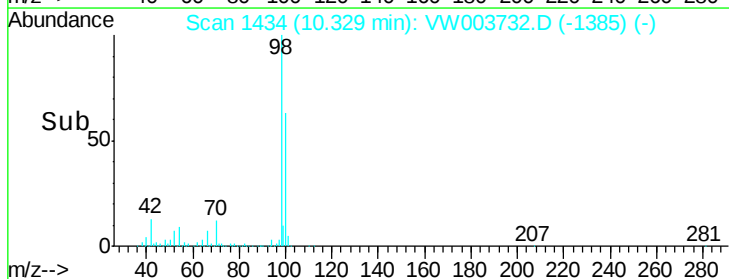


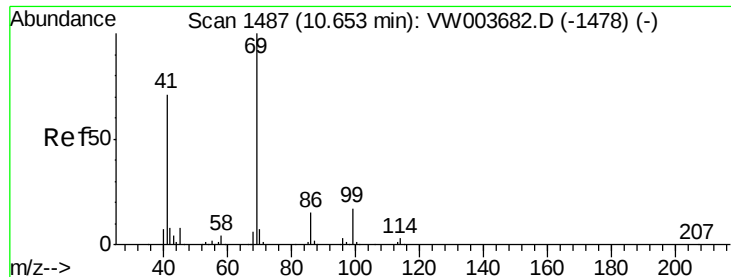
#50
Toluene-d8
Concen: 40.628 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003732.D
Acq: 05 Jul 2018 20:03

Tgt Ion: 98 Resp: 247833
Ion Ratio Lower Upper
98 100
100 62.1 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: 3.597 ug/l

RT: 10.46 min Scan# 1455

Delta R.T. -0.19 min

Lab File: VW003732.D

Acq: 05 Jul 2018 20:03

Instrument :

MSVOA_W

ClientSampleId :

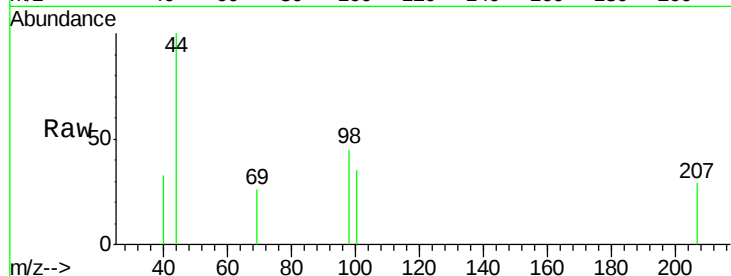
Tot Ion: 69 Resp: 23

Ion Ratio Lower Upper

69 100

41 169.6 57.5 86.3#

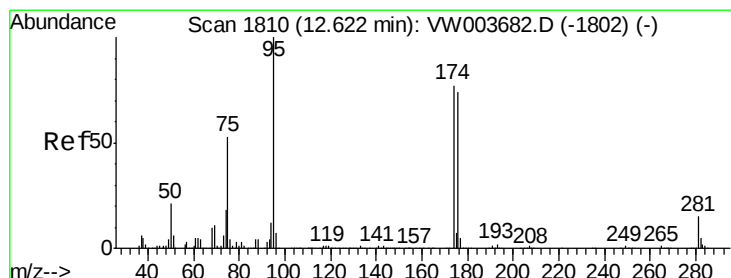
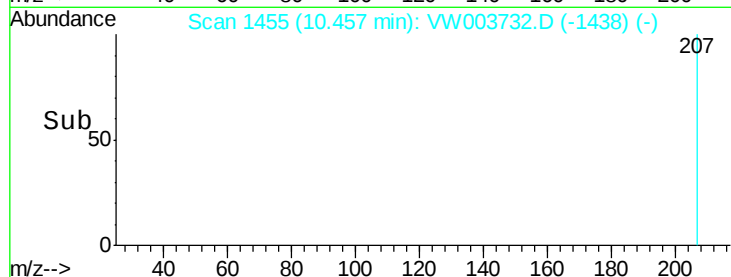
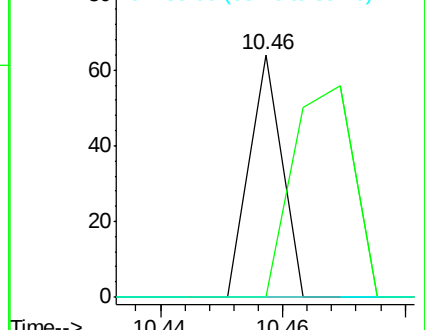
39 0.0 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 34.575 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003732.D

Acq: 05 Jul 2018 20:03

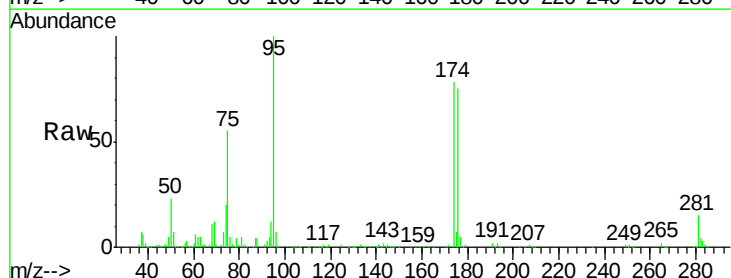
Tgt Ion: 95 Resp: 75770

Ion Ratio Lower Upper

95 100

174 83.5 0.0 161.2

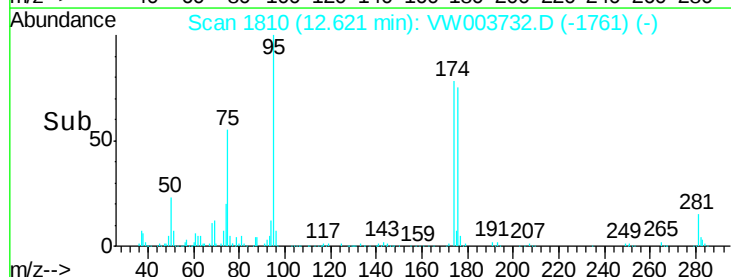
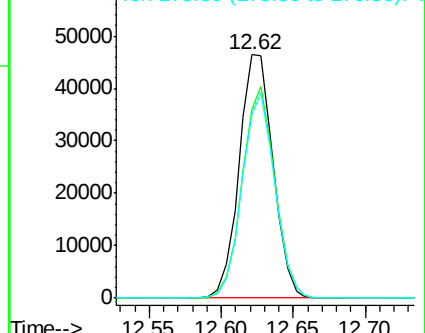
176 81.0 0.0 155.0

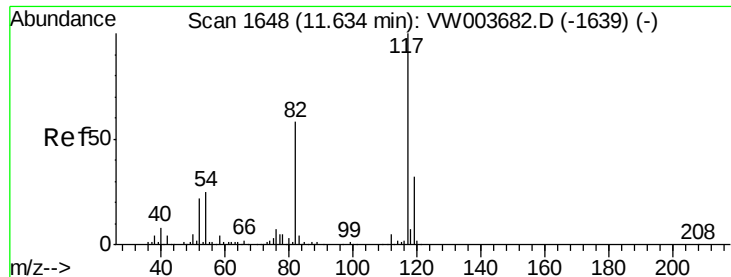


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

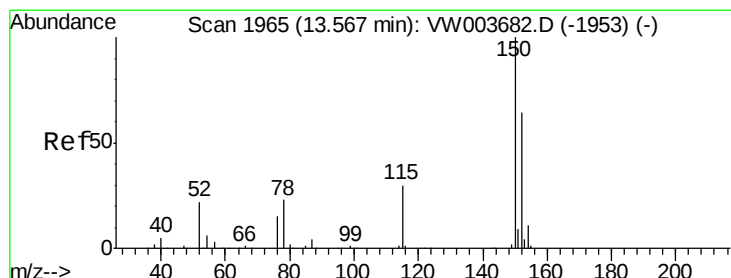
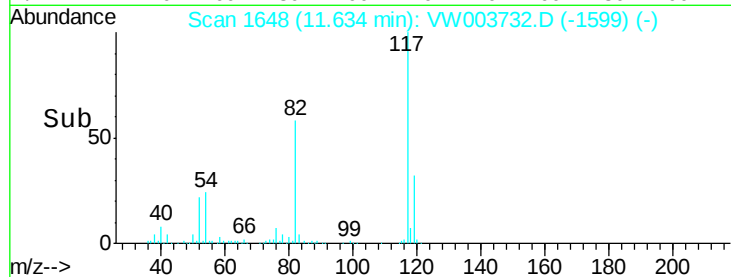
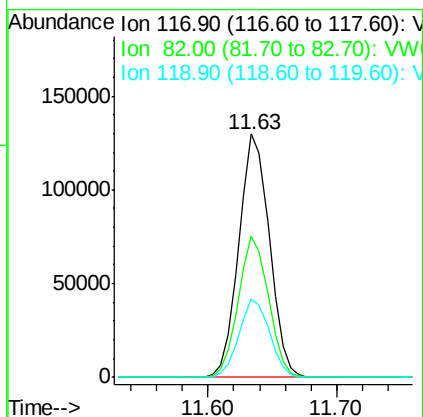
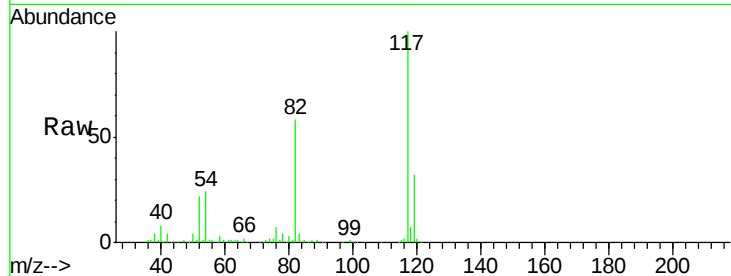




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003732.D
Acq: 05 Jul 2018 20:03

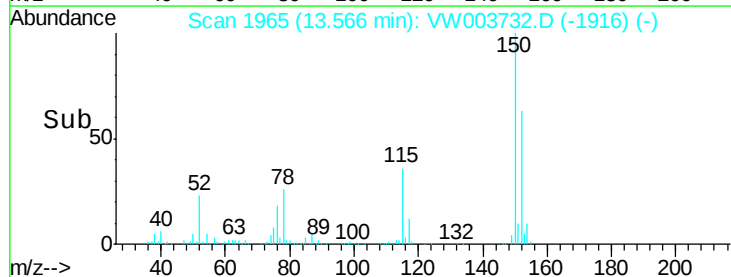
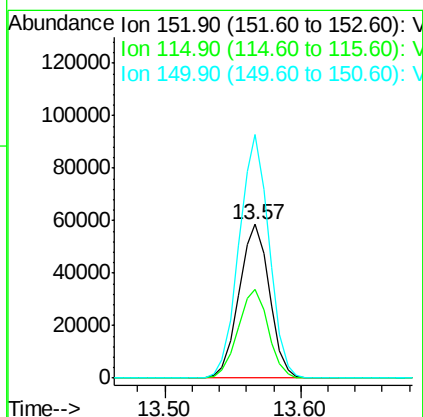
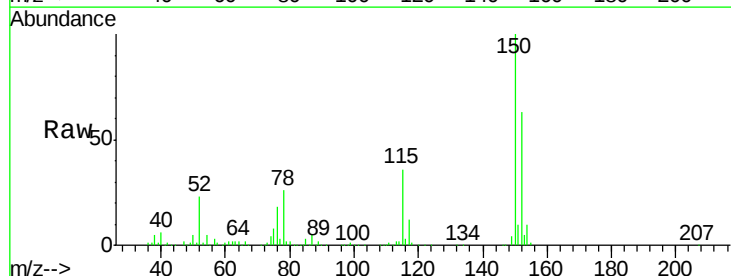
Instrument :
MSVOA_W
ClientSampleId :

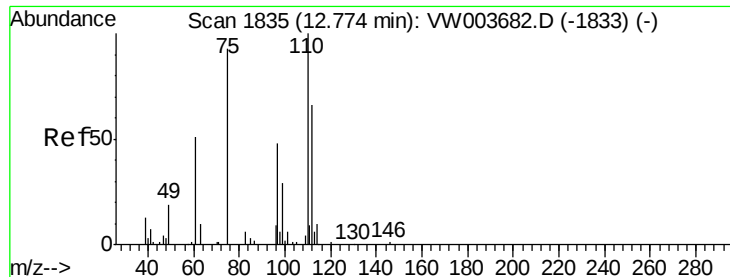
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.0	69.0
119	32.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003732.D
Acq: 05 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.3	88.0
150	155.8	0.0	352.0

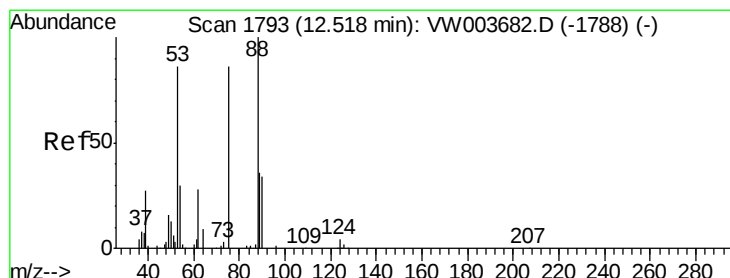
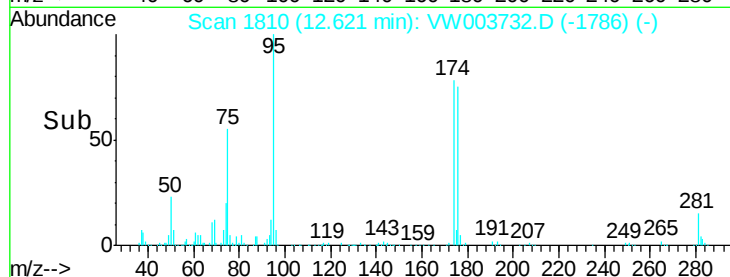
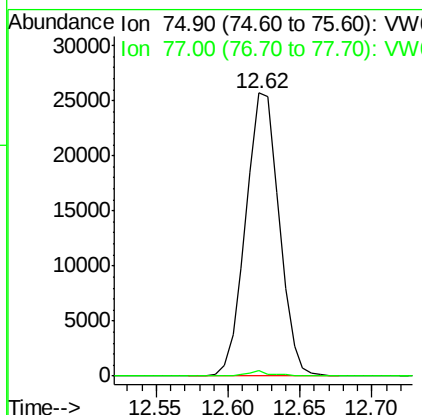
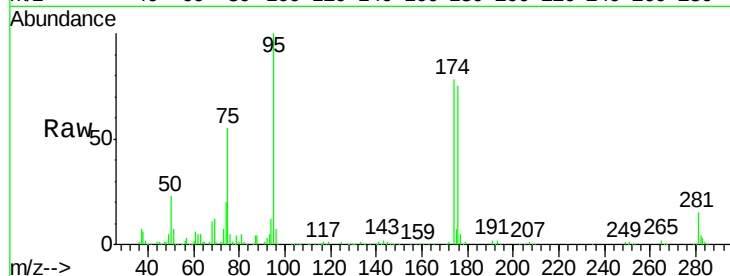




#76
 1,2,3-Trichloropropane
 Concen: 50.114 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003732.D
 Acq: 05 Jul 2018 20:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 41241
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.189 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003732.D
 Acq: 05 Jul 2018 20:03

Tgt Ion: 75 Resp: 41241
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.4 123.6#
 89 0.1 35.9 53.9#

