

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070318\
 Data File : VW003692.D
 Acq On : 03 Jul 2018 12:21
 Operator : SY/AP
 Sample : J3771-01RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 REACTOR-PAD

Quant Time: Jul 03 13:44:13 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	202784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	337156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	148615	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	105245	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
35) Dibromofluoromethane	7.88	113	89782	40.83	ug/l	0.00
Spiked Amount			Recovery	=	81.66%	
50) Toluene-d8	10.33	98	309847	35.89	ug/l	0.00
Spiked Amount			Recovery	=	71.78%	
62) 4-Bromofluorobenzene	12.63	95	111799	36.05	ug/l	0.00
Spiked Amount			Recovery	=	72.10%	

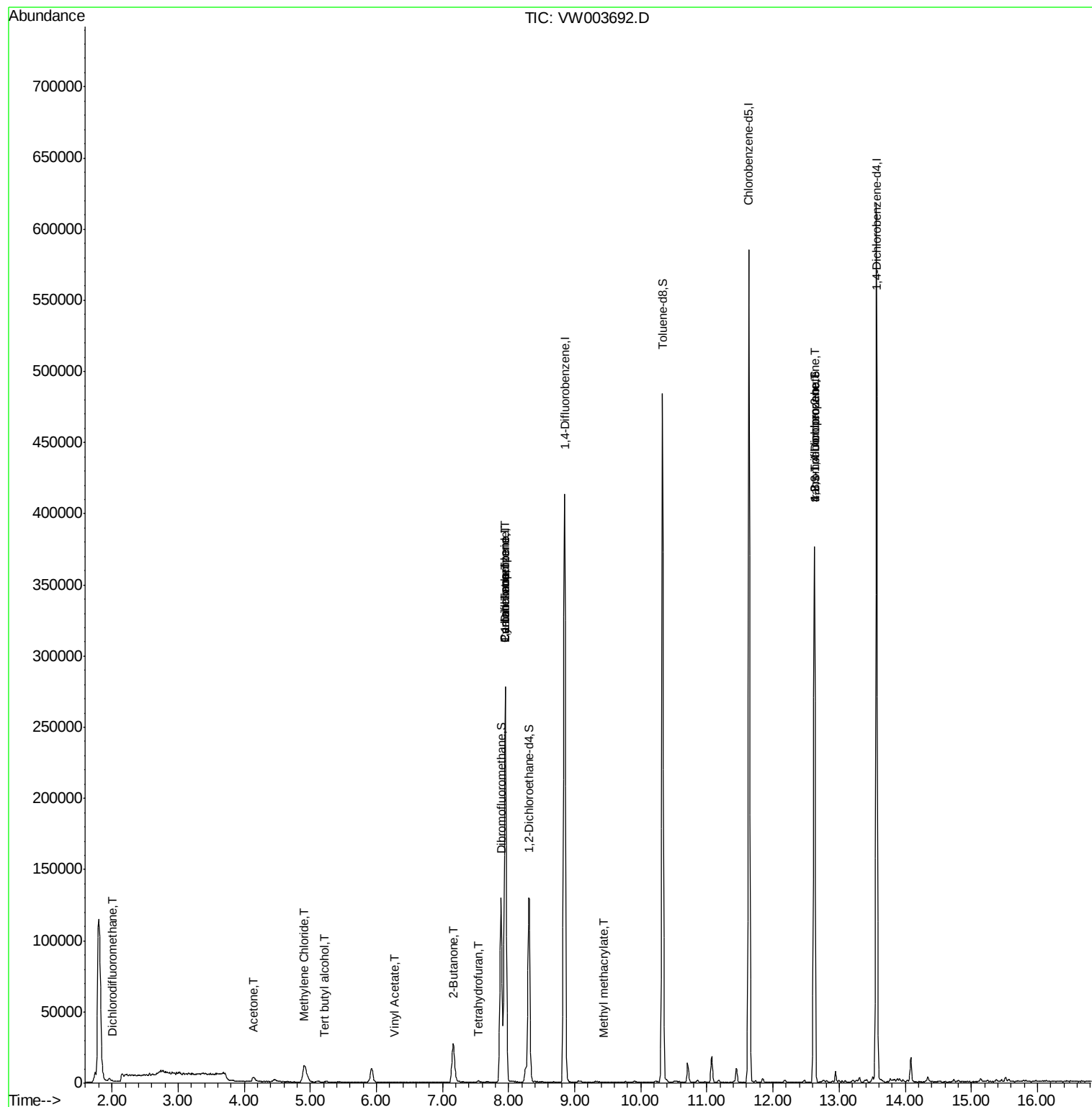
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	560	5.33	ug/l #	43
11) Tert butyl alcohol	5.21	59	163	1.08	ug/l #	71
16) Acetone	4.14	43	5805	10.06	ug/l	90
20) Methylene Chloride	4.90	84	11333	1.92	ug/l	95
23) Vinyl Acetate	6.27	43	373	13.94	ug/l #	74
25) 2-Butanone	7.16	43	2103	2.85	ug/l #	81
29) Tetrahydrofuran	7.54	42	634	1.43	ug/l	100
31) Cyclohexane	7.95	56	5139	1.39	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	17252	5.10	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20036	6.22	ug/l #	17
48) Methyl methacrylate	9.45	41	172	3.46	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	60579	45.33	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60579	96.06	ug/l #	9

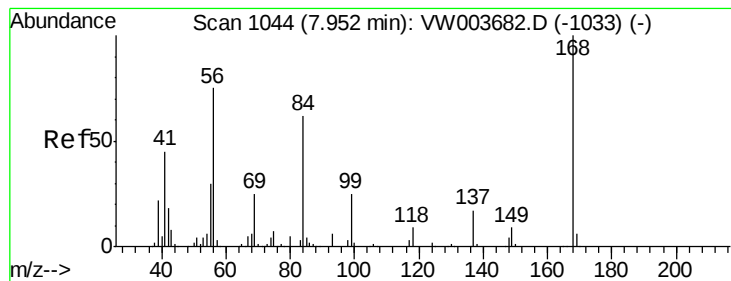
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003692.D

Acq: 03 Jul 2018 12:21

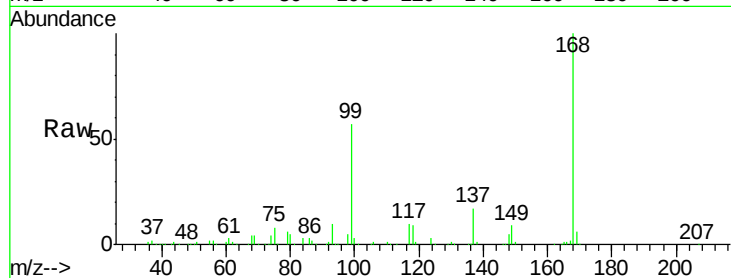
Instrument :
MSVOA_W
ClientSampleId :
REACTOR-PAD

Tot Ion:168 Resp: 202784

Ion Ratio Lower Upper

168 100

99 56.9 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

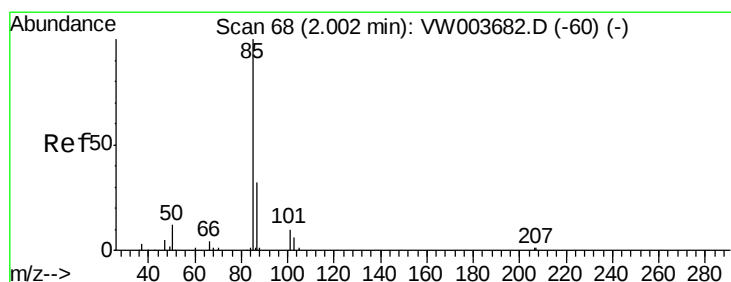
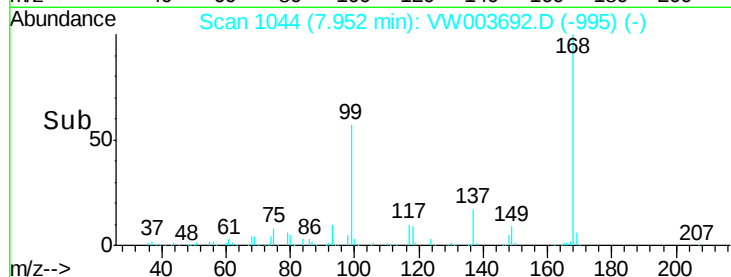
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.33 ug/l

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW003692.D

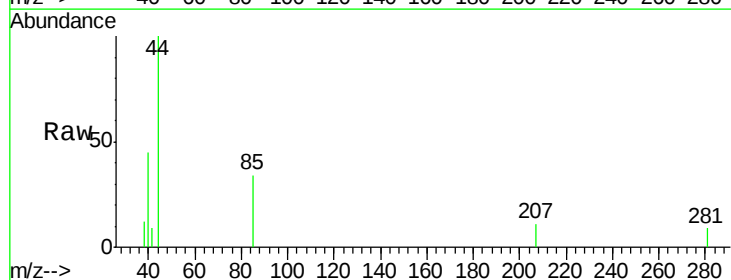
Acq: 03 Jul 2018 12:21

Tgt Ion: 85 Resp: 560

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

300

250

200

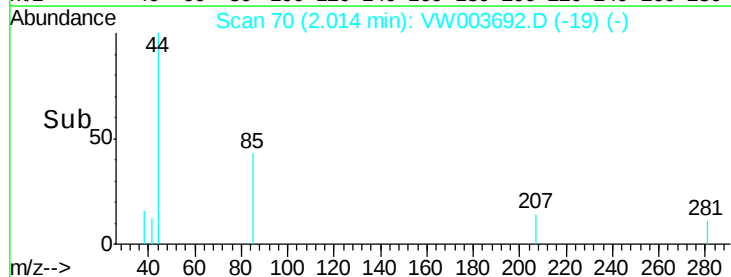
150

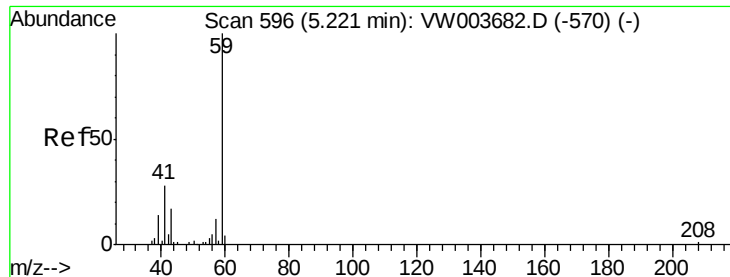
100

50

0

Time-->



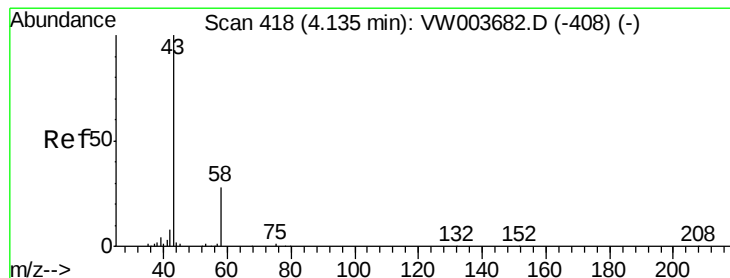
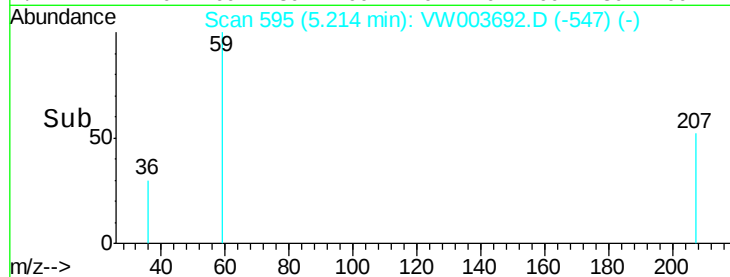
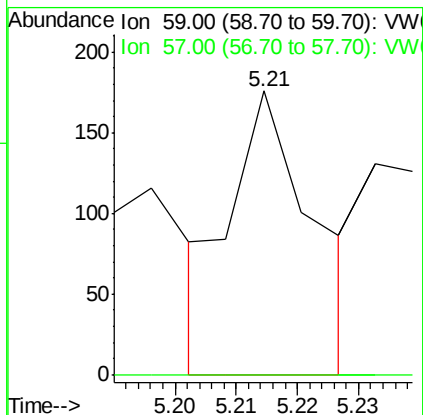
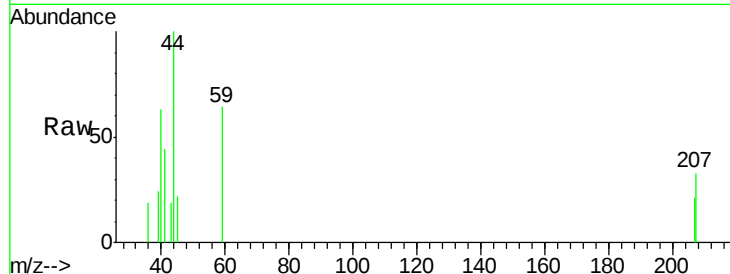


#11

Tert butyl alcohol
 Concen: 1.08 ug/l
 RT: 5.21 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VW003692.D
 Acq: 03 Jul 2018 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 REACTOR-PAD

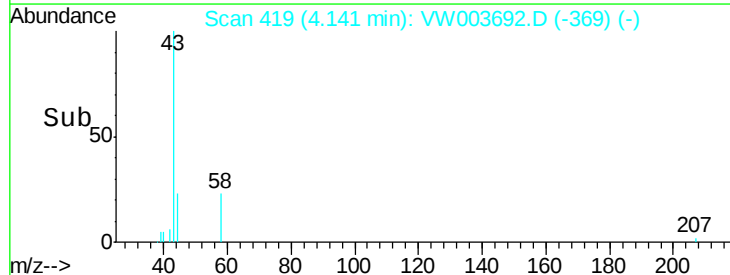
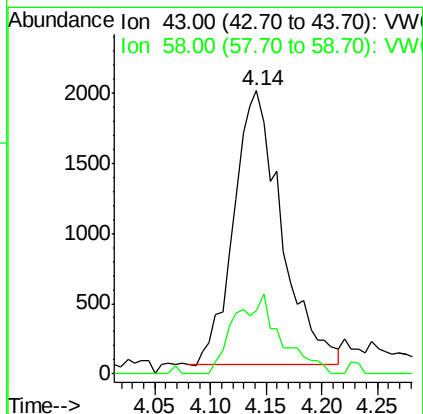
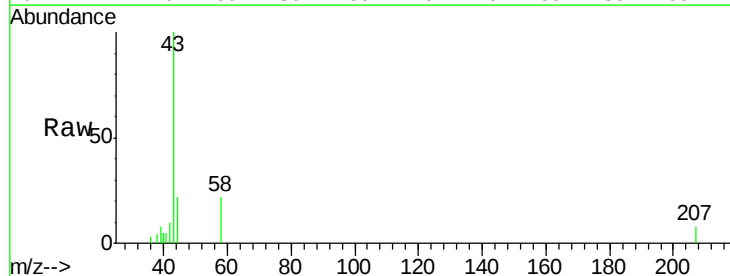
Tot Ion: 59 Resp: 163
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

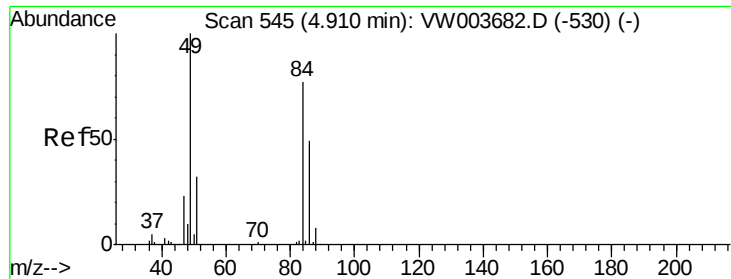


#16

Acetone
 Concen: 10.06 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VW003692.D
 Acq: 03 Jul 2018 12:21

Tgt Ion: 43 Resp: 5805
 Ion Ratio Lower Upper
 43 100
 58 23.2 22.7 34.1

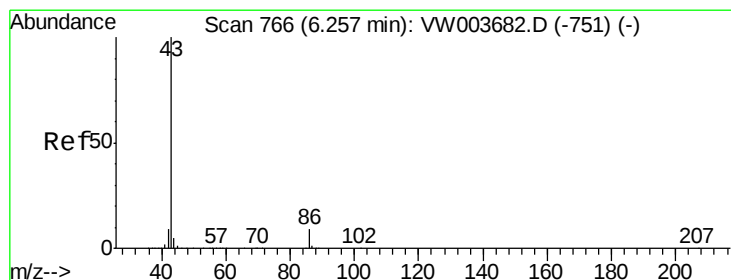
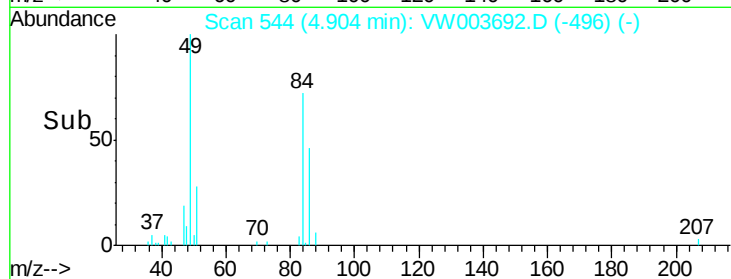
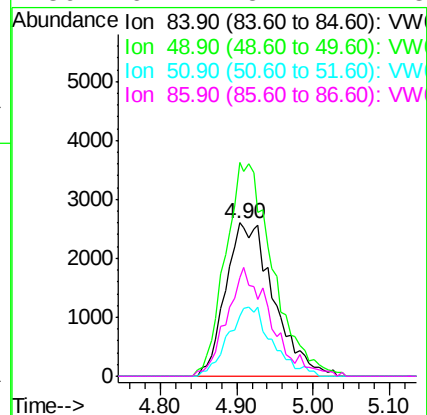
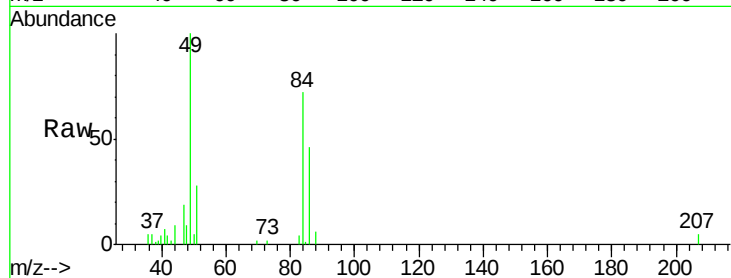




#20
Methvlene Chloride
Concen: 1.92 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003692.D
Acq: 03 Jul 2018 12:21

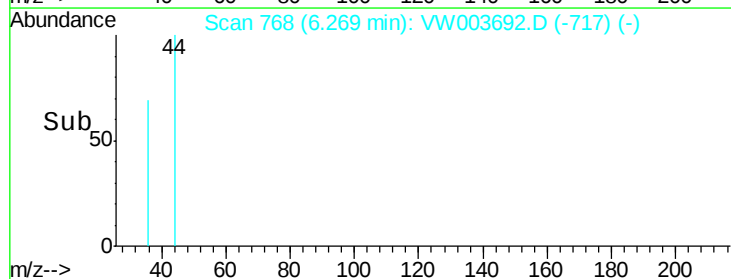
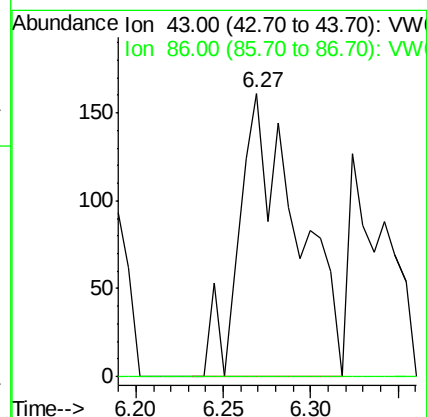
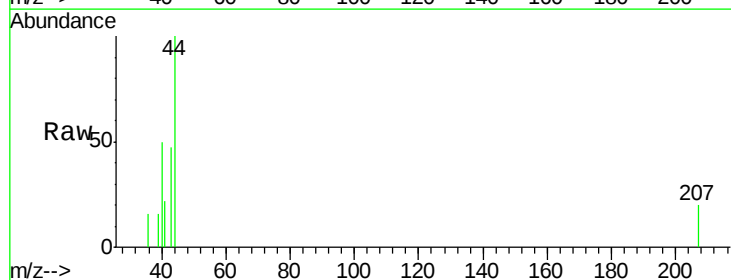
Instrument :
MSVOA_W
ClientSampleId :
REACTOR-PAD

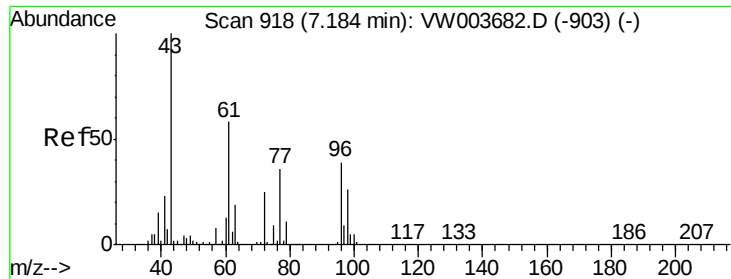
Tot Ion: 84 Resp: 11333
Ion Ratio Lower Upper
84 100
49 139.6 104.6 156.8
51 39.0 33.2 49.8
86 64.4 51.7 77.5



#23
Vinyl Acetate
Concen: 13.94 ug/l
RT: 6.27 min Scan# 768
Delta R.T. 0.01 min
Lab File: VW003692.D
Acq: 03 Jul 2018 12:21

Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#25

2-Butanone

Concen: 2.85 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW003692.D

Acq: 03 Jul 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

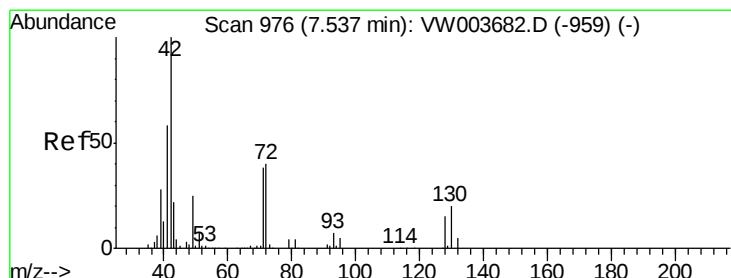
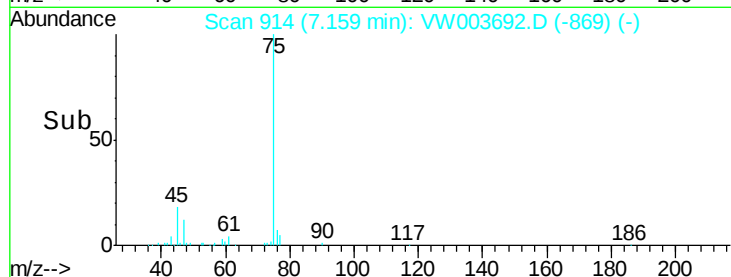
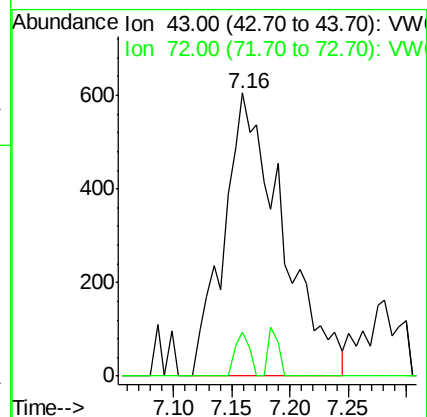
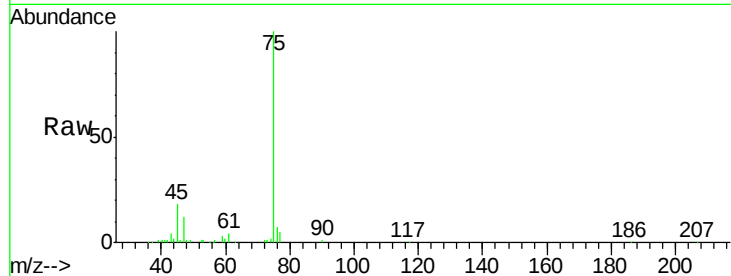
REACTOR-PAD

Tot Ion: 43 Resp: 2103

Ion Ratio Lower Upper

43 100

72 15.5 20.2 30.4#



#29

Tetrahydrofuran

Concen: 1.43 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW003692.D

Acq: 03 Jul 2018 12:21

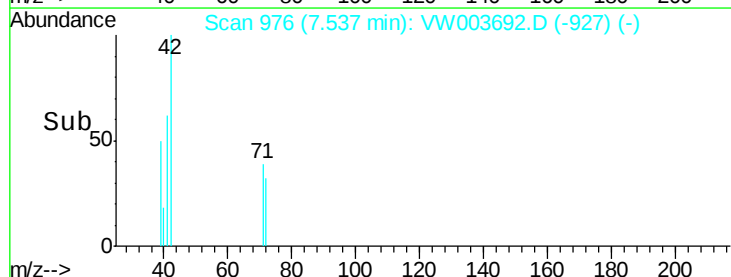
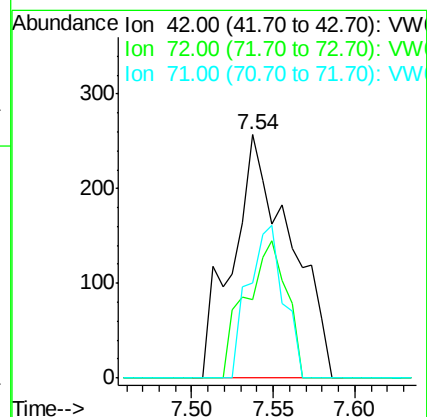
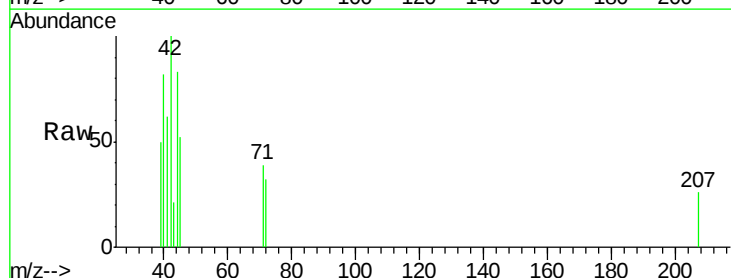
Tgt Ion: 42 Resp: 634

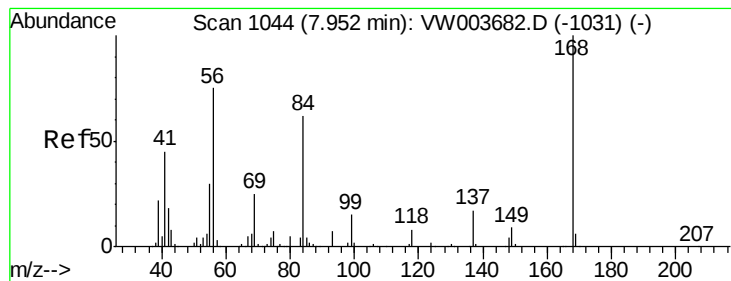
Ion Ratio Lower Upper

42 100

72 40.1 32.0 48.0

71 38.0 30.2 45.2





#31

Cyclohexane

Concen: 1.39 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003692.D

Acq: 03 Jul 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

REACTOR-PAD

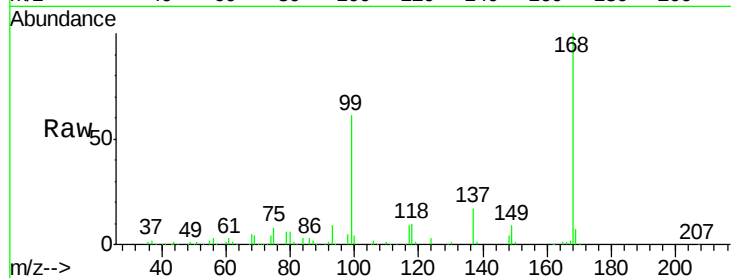
Tot Ion: 56 Resp: 5139

Ion Ratio Lower Upper

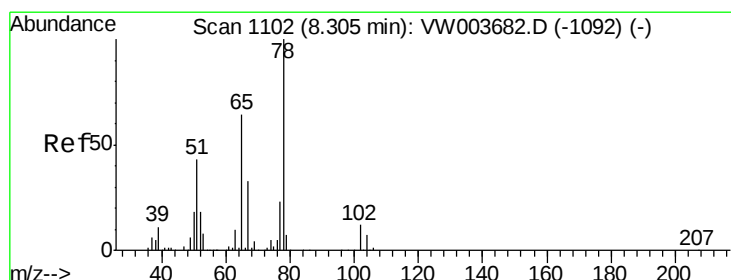
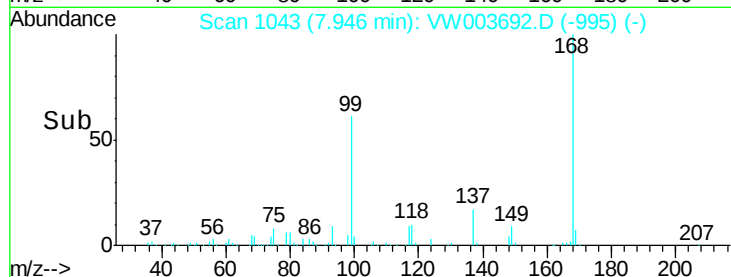
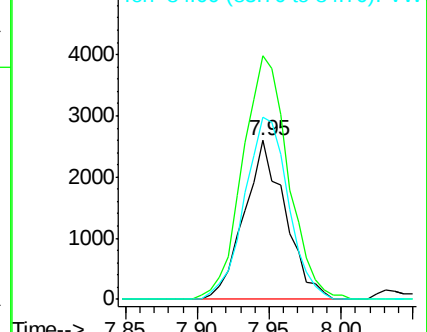
56 100

69 153.2 27.0 40.4#

84 114.3 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: 43.53 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003692.D

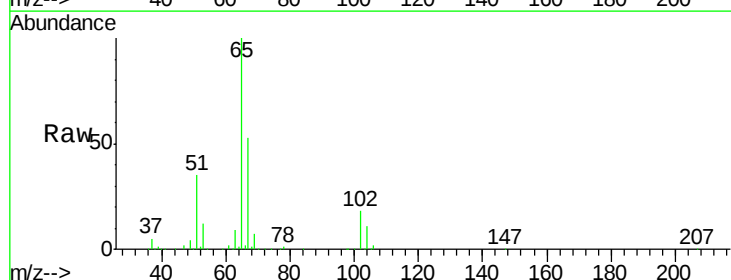
Acq: 03 Jul 2018 12:21

Tgt Ion: 65 Resp: 105245

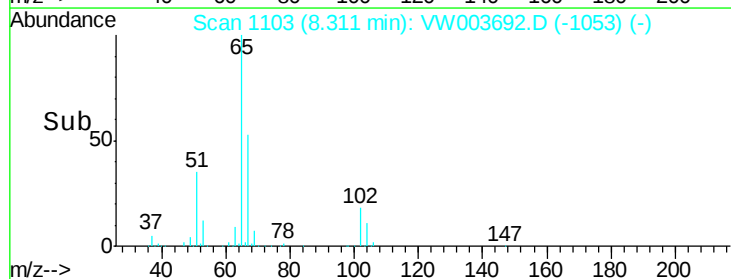
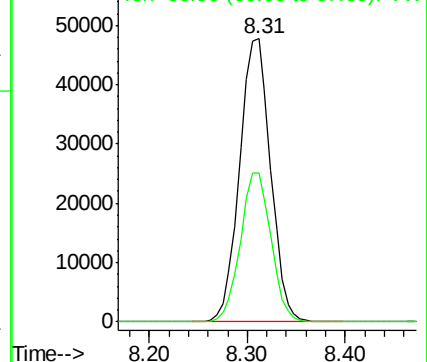
Ion Ratio Lower Upper

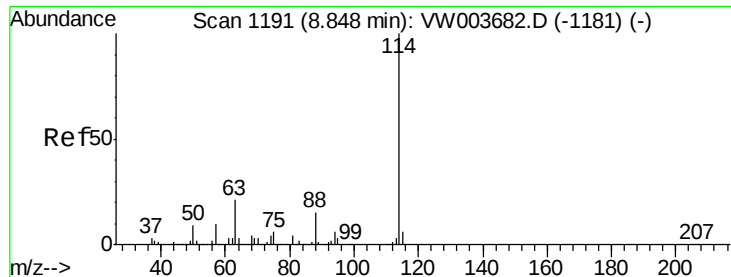
65 100

67 52.1 0.0 104.0



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

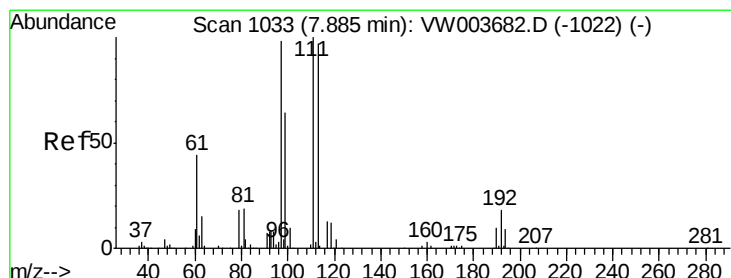
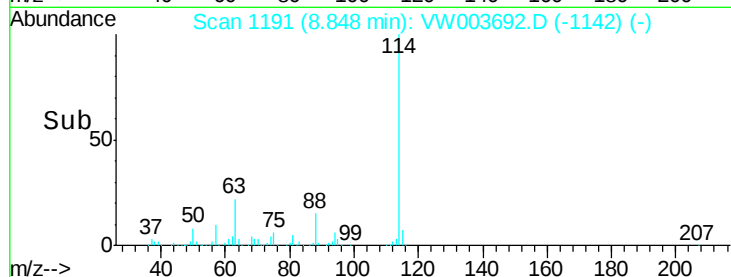
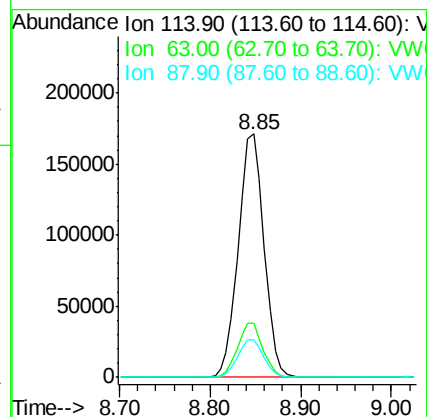
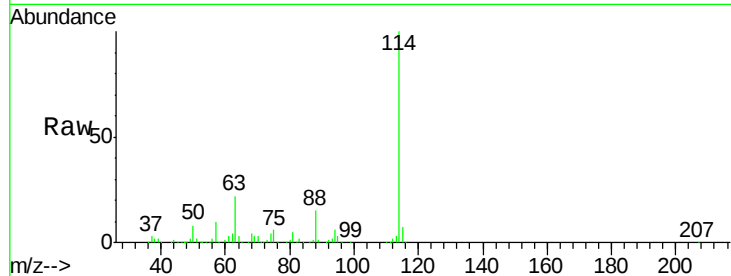




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003692.D
 Acq: 03 Jul 2018 12:21

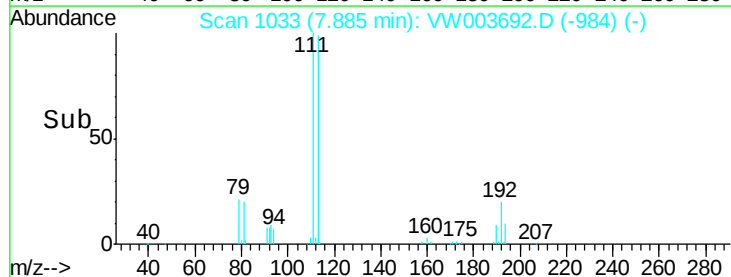
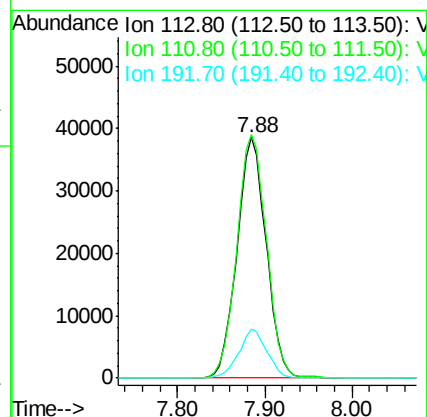
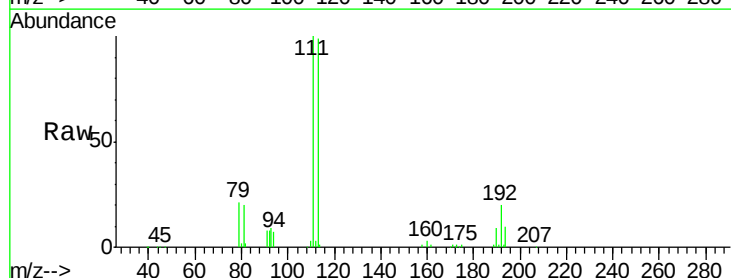
Instrument :
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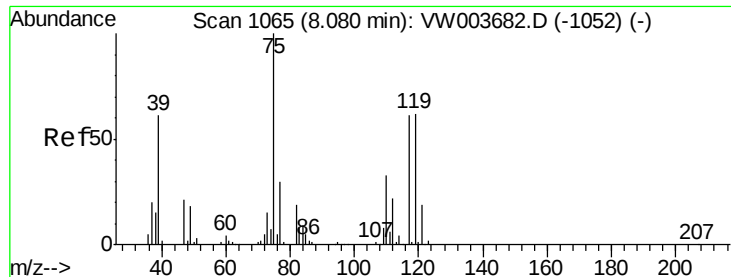
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.6
88	15.2	0.0	29.8



#35
 Dibromofluoromethane
 Concen: 40.83 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003692.D
 Acq: 03 Jul 2018 12:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	19.4	15.8	23.6

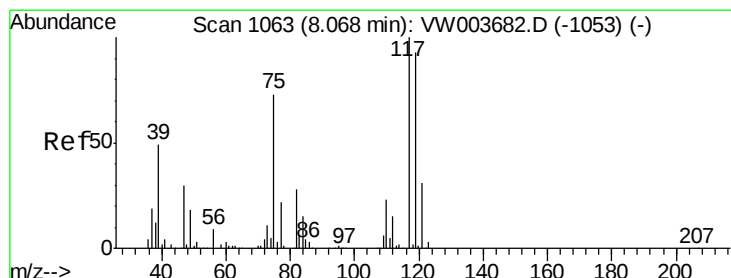
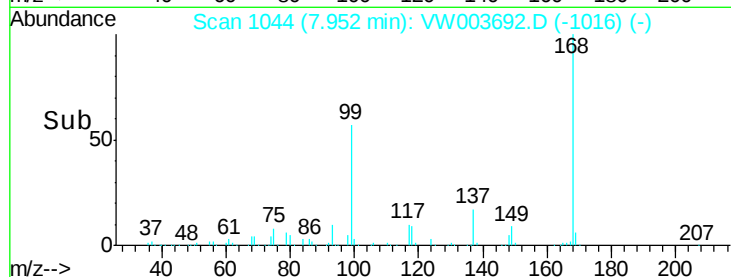
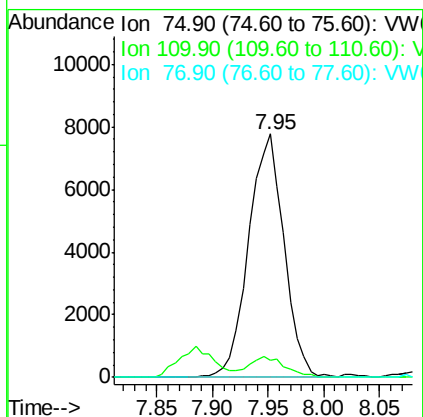
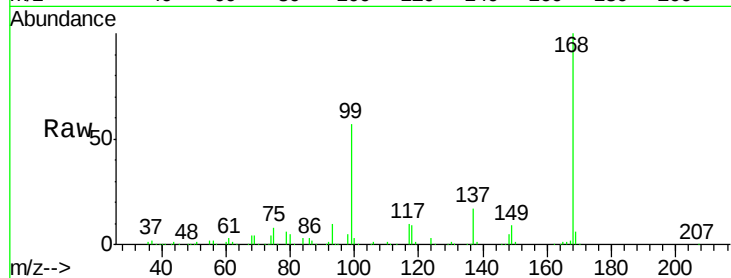




#36
 1,1-Dichloropropene
 Concen: 5.10 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003692.D
 Acq: 03 Jul 2018 12:21

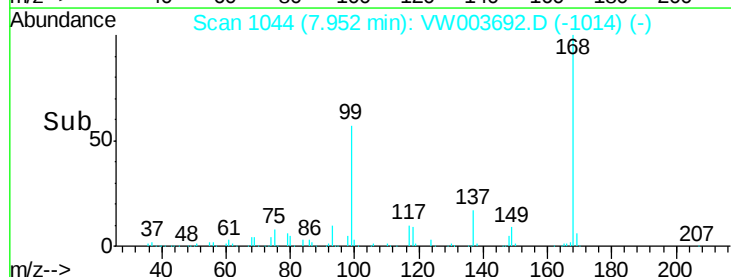
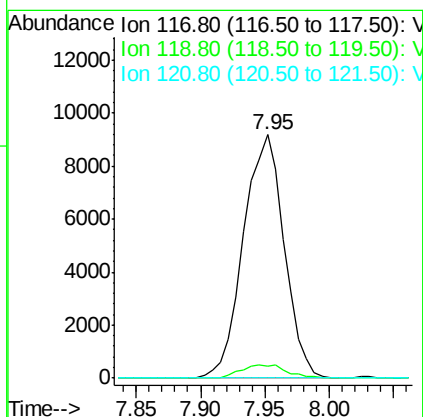
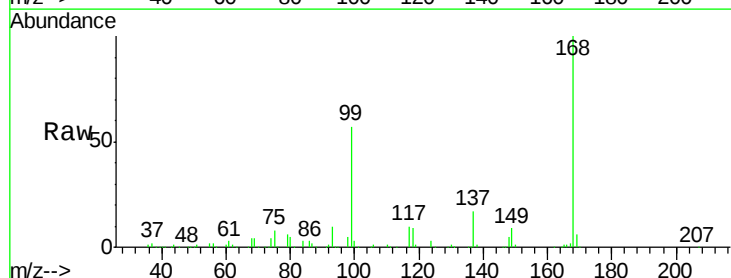
Instrument :
 MSVOA_W
 ClientSampleId :
 REACTOR-PAD

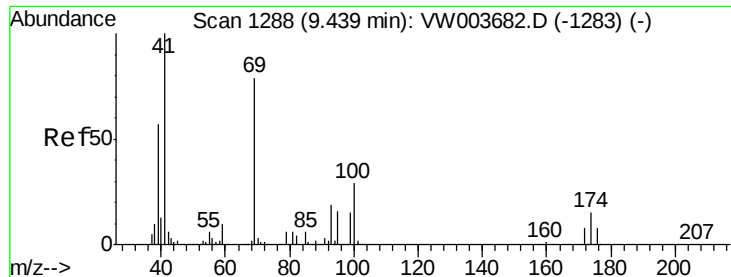
Tot Ion: 75 Resp: 17252
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.22 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003692.D
 Acq: 03 Jul 2018 12:21

Tgt Ion: 117 Resp: 20036
 Ion Ratio Lower Upper
 117 100
 119 5.0 74.1 111.1#
 121 0.0 25.0 37.4#

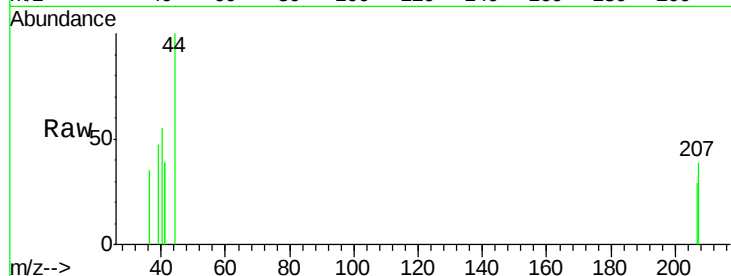




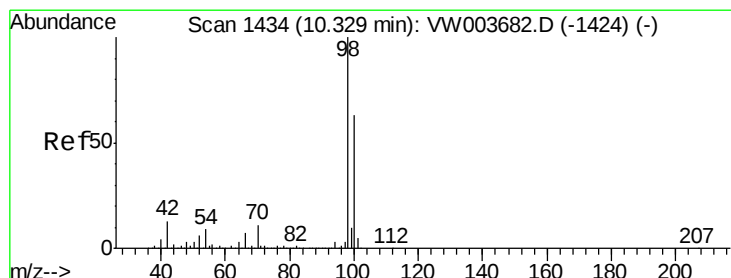
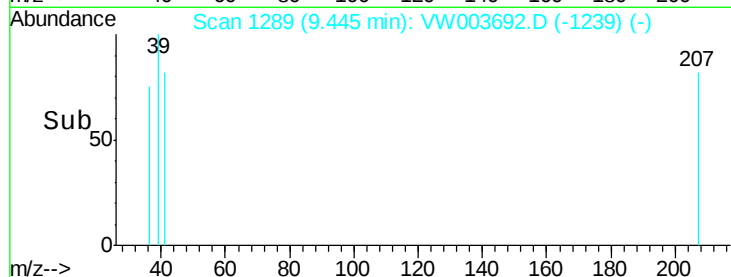
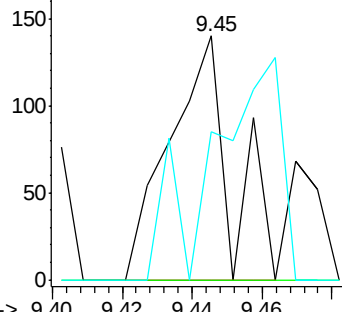
#48
Methvl methacrylate
Concen: 3.46 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VW003692.D
Acq: 03 Jul 2018 12:21

Instrument :
MSVOA_W
ClientSampleId :
REACTOR-PAD

Tot Ion: 41 Resp: 172
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 102.9 50.0 75.0#

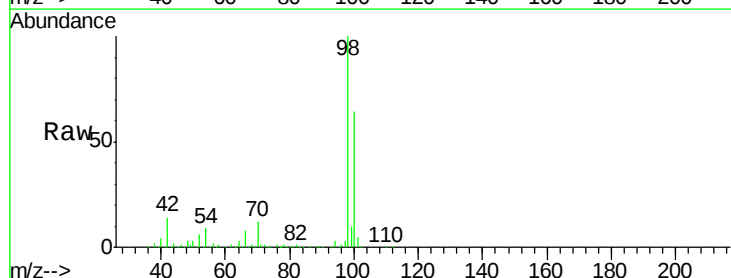


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

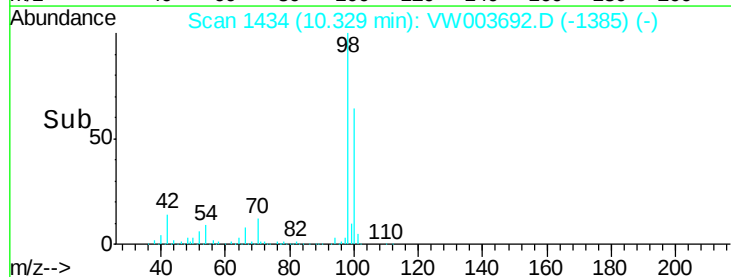
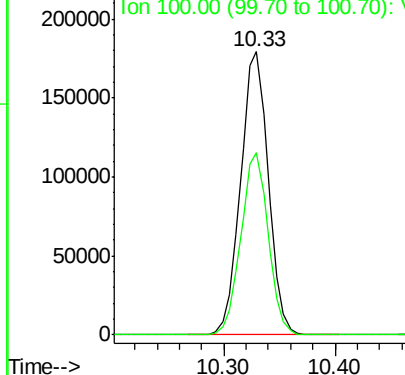


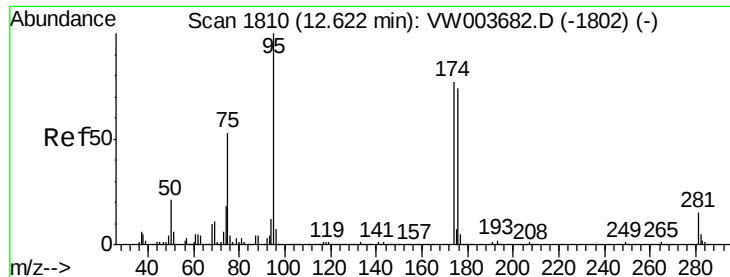
#50
Toluene-d8
Concen: 35.89 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003692.D
Acq: 03 Jul 2018 12:21

Tgt Ion: 98 Resp: 309847
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

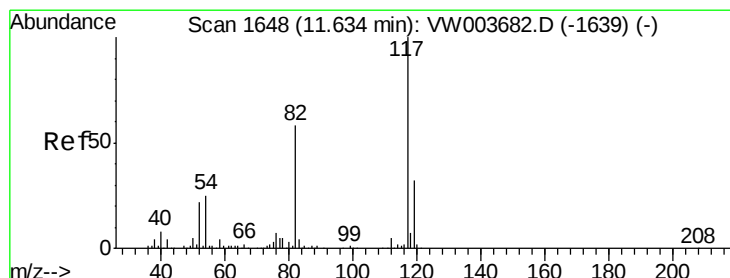
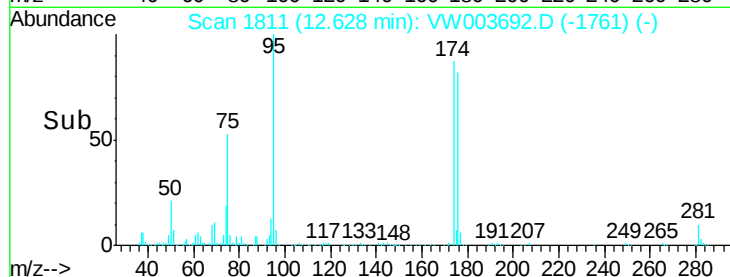
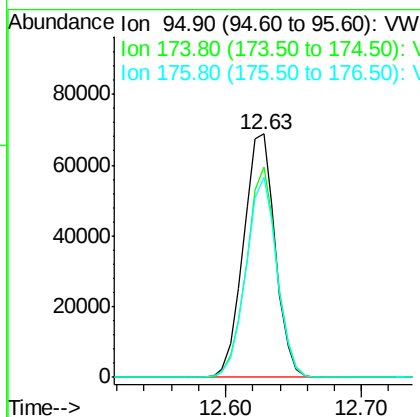
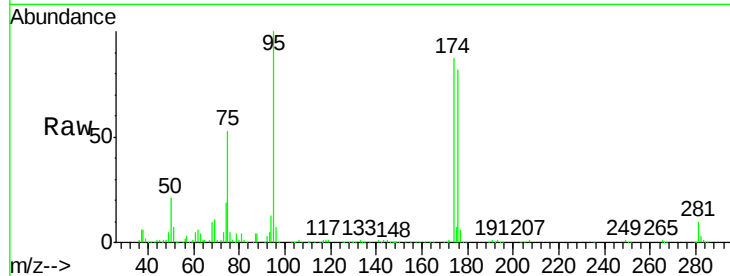




#62
4-Bromofluorobenzene
Concen: 36.05 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003692.D
Acq: 03 Jul 2018 12:21

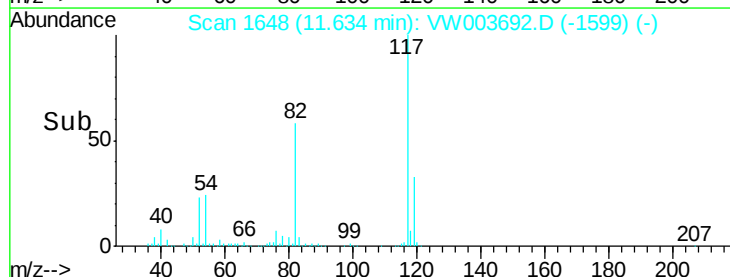
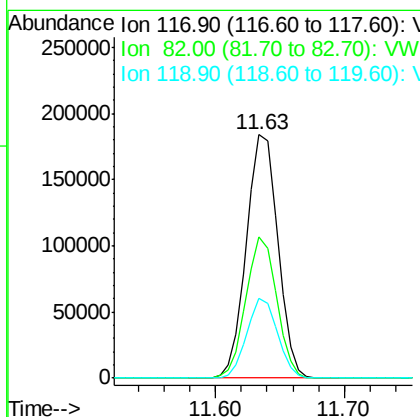
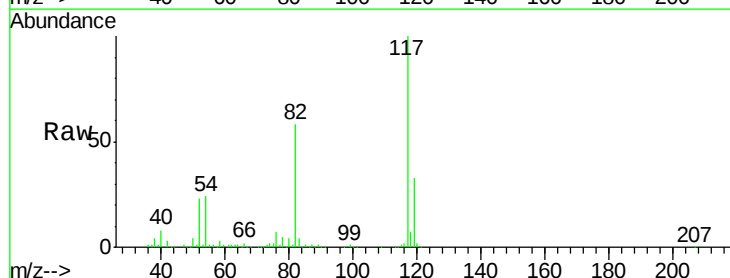
Instrument :
MSVOA_W
ClientSampleId :
REACTOR-PAD

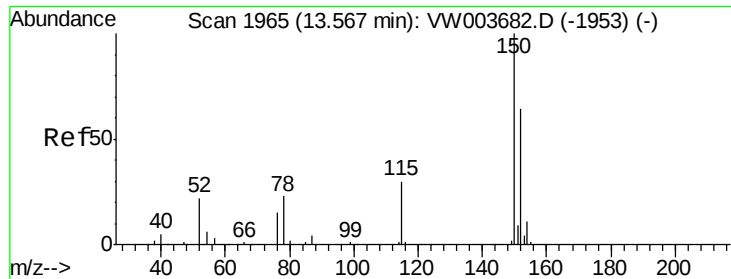
Tot Ion: 95 Resp: 111799
Ion Ratio Lower Upper
95 100
174 83.2 0.0 161.2
176 80.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003692.D
Acq: 03 Jul 2018 12:21

Tgt Ion: 117 Resp: 310674
Ion Ratio Lower Upper
117 100
82 57.9 46.0 69.0
119 32.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003692.D

Acq: 03 Jul 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

REACTOR-PAD

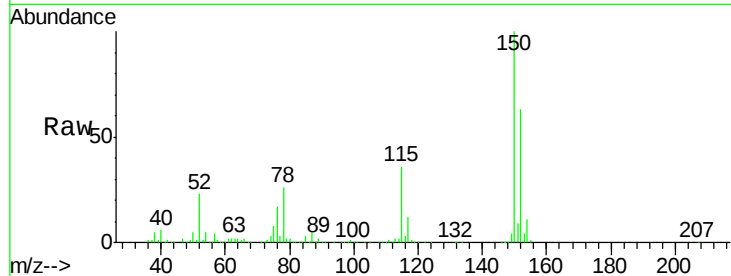
Tot Ion:152 Resp: 148615

Ion Ratio Lower Upper

152 100

115 59.5 29.3 88.0

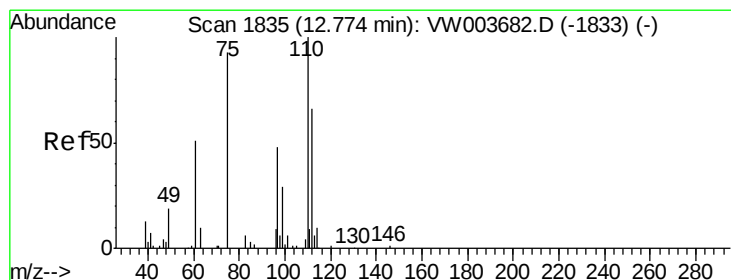
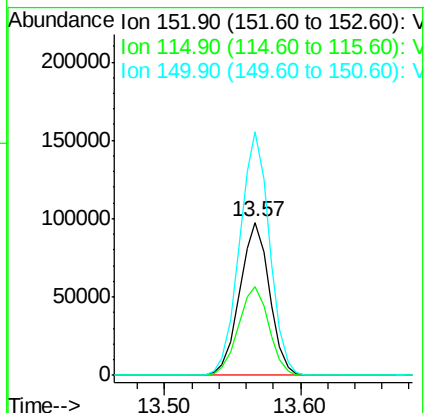
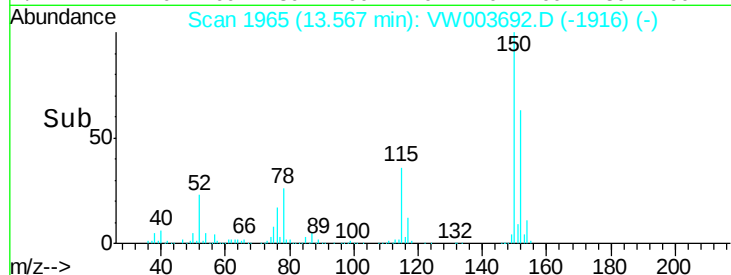
150 160.1 0.0 352.0



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: 45.33 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003692.D

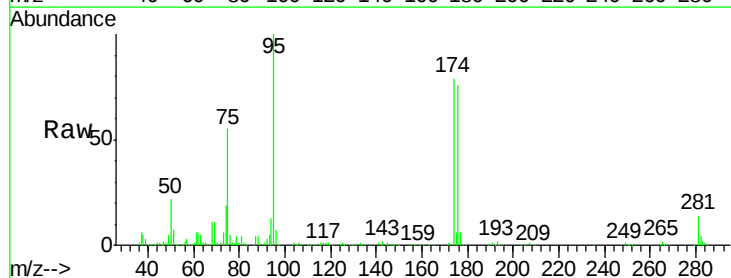
Acq: 03 Jul 2018 12:21

Tgt Ion: 75 Resp: 60579

Ion Ratio Lower Upper

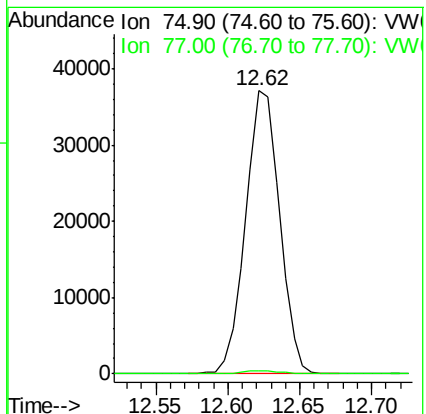
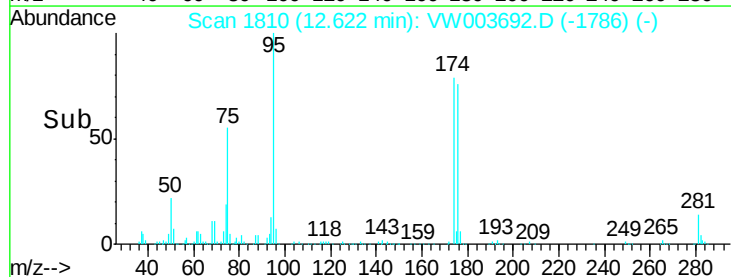
75 100

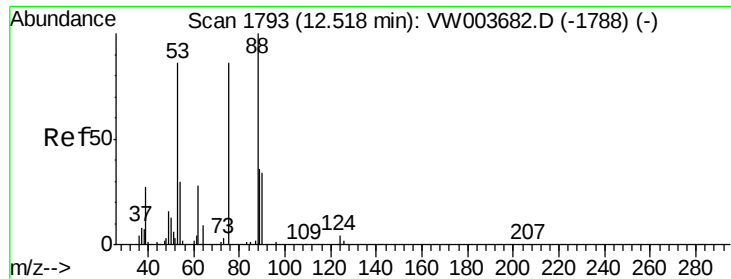
77 1.2 0.0 0.0#



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: 96.06 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003692.D

Acq: 03 Jul 2018 12:21

Instrument :

MSVOA_W

ClientSampleId :

REACTOR-PAD

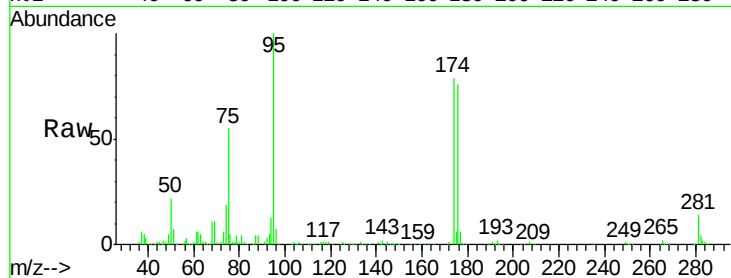
Tot Ion: 75 Resp: 60579

Ion Ratio Lower Upper

75 100

53 0.3 82.4 123.6#

89 0.0 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

