

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\
 Data File : VW006774.D
 Acq On : 08 Nov 2018 18:49
 Operator : SY/AP
 Sample : J5745-10RE
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 6BRE

Quant Time: Nov 09 11:15:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	250854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	239346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	122827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	50136	34.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.04%	
35) Dibromofluoromethane	7.89	113	55719	35.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.78%	
50) Toluene-d8	10.33	98	184186	30.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.46%	
62) 4-Bromofluorobenzene	12.62	95	62714	28.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.72%	

Target Compounds

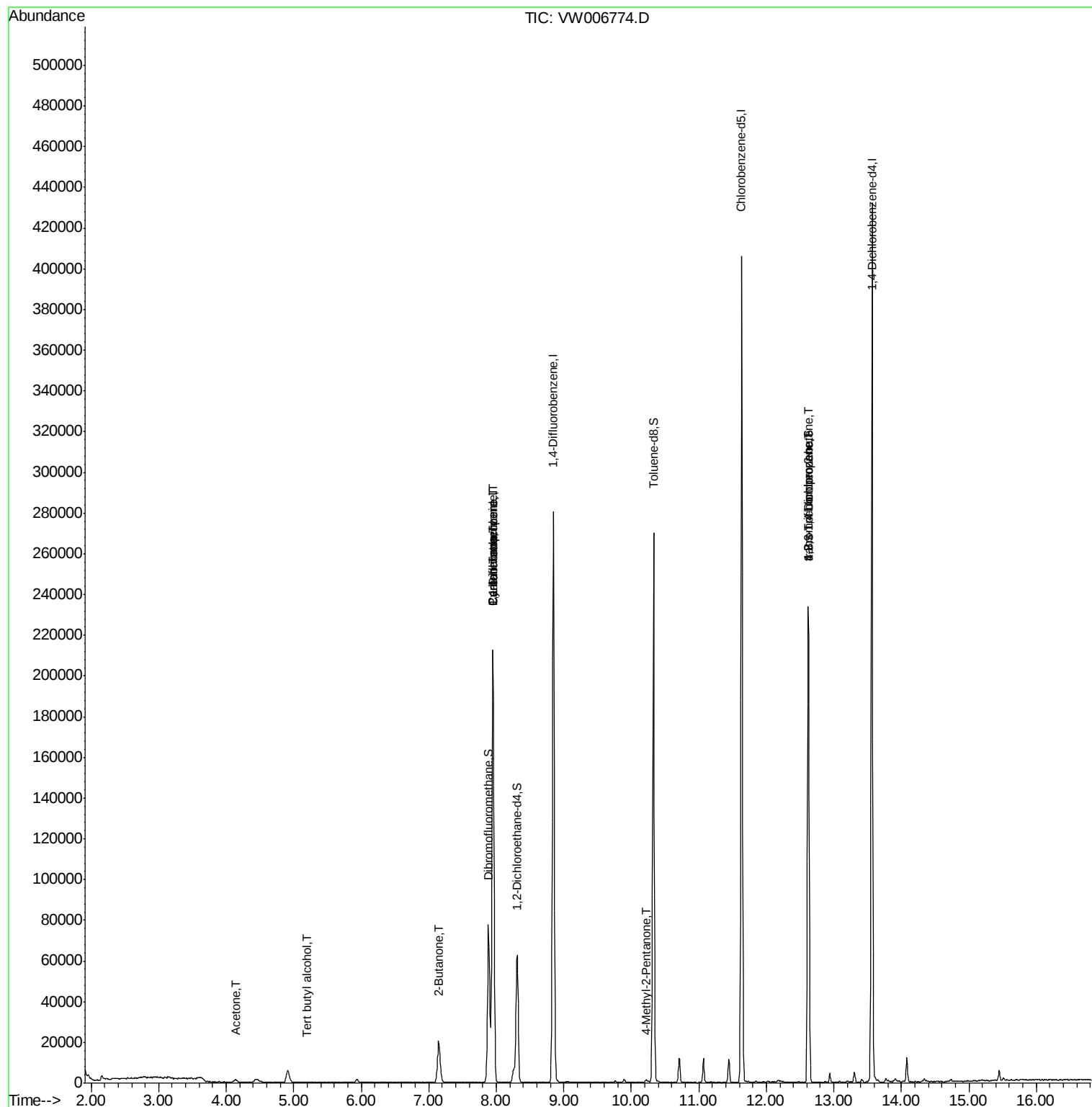
					Qvalue	
11) Tert butyl alcohol	5.19	59	572	7.204	ug/l #	84
16) Acetone	4.14	43	2536	10.659	ug/l	92
20) Methylene Chloride	4.91	84	5210	Below Cal	#	91
25) 2-Butanone	7.15	43	1191	3.508	ug/l	96
31) Cyclohexane	7.95	56	2884	1.229	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	10884	4.934	ug/l #	48
38) Carbon Tetrachloride	7.95	117	14716	6.384	ug/l #	18
51) 4-Methyl-2-Pentanone	10.23	43	1063	1.357	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	30670	32.004	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	30670	81.131	ug/l #	11

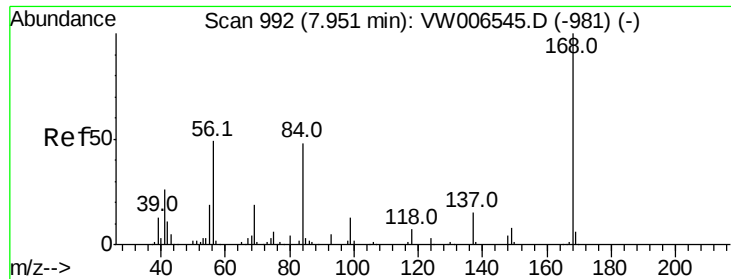
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

Instrument :

MSVOA_W

ClientSampled :

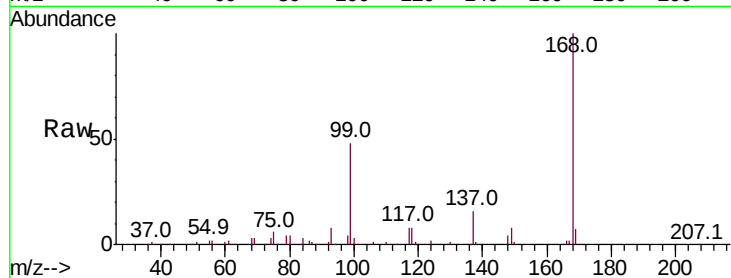
6BRE

Tot Ion:168 Resp: 171436

Ion Ratio Lower Upper

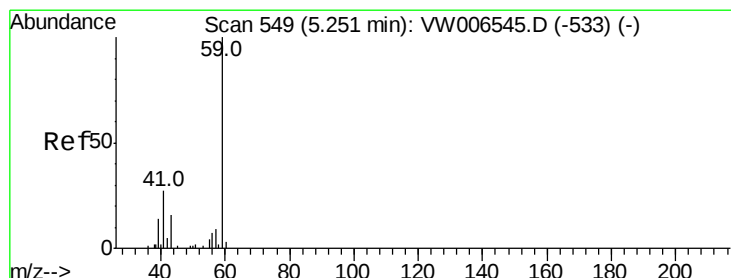
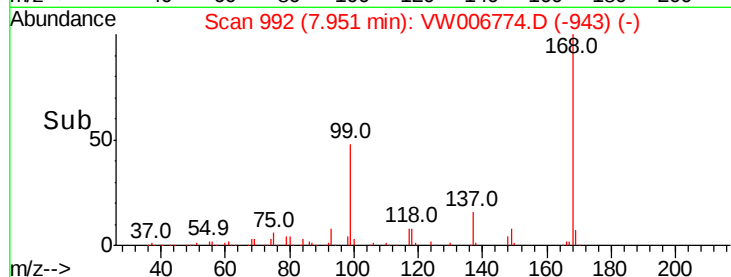
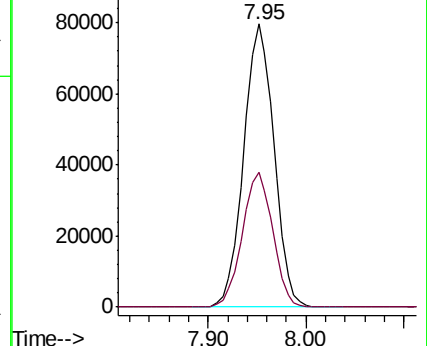
168 100

99 47.7 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.204 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.06 min

Lab File: VW006774.D

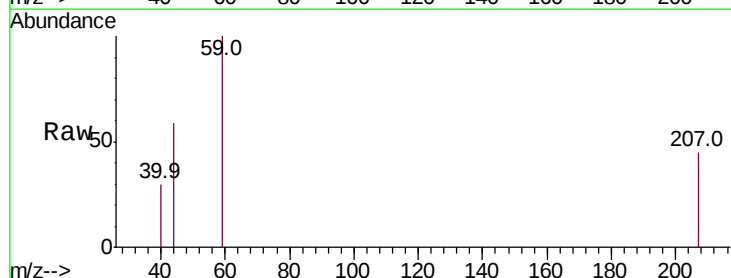
Acq: 08 Nov 2018 18:49

Tgt Ion: 59 Resp: 572

Ion Ratio Lower Upper

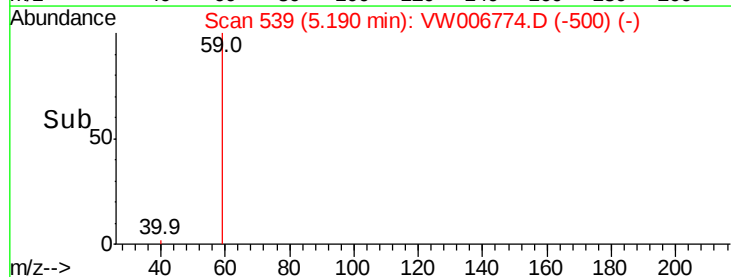
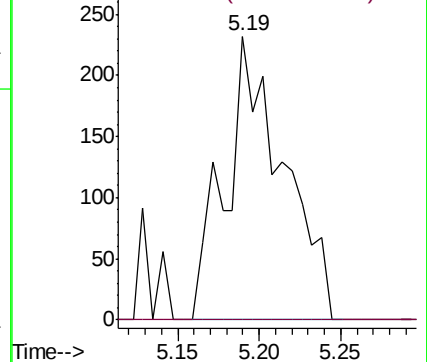
59 100

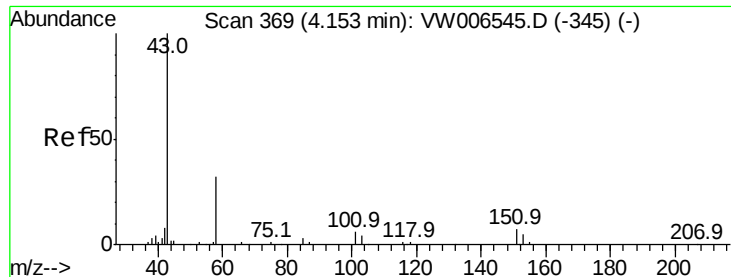
57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.659 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

Instrument :

MSVOA_W

ClientSampled :

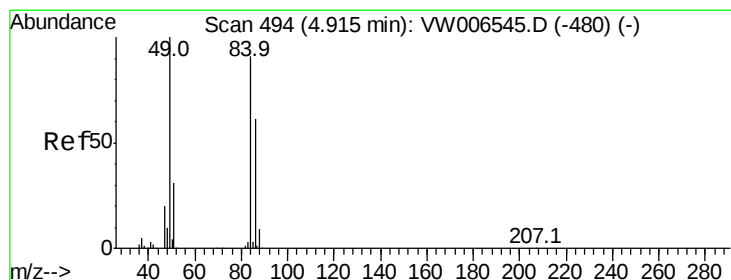
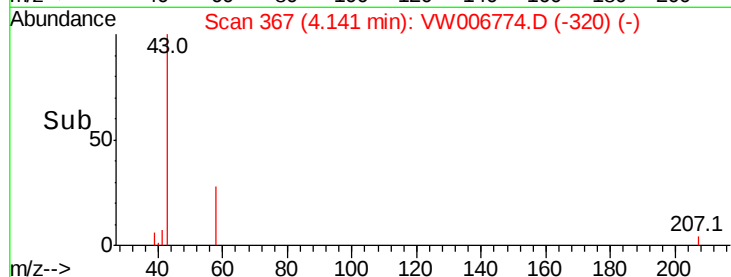
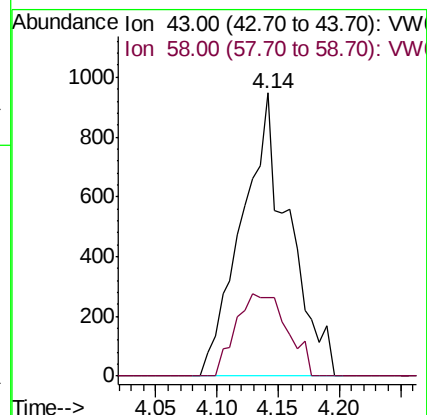
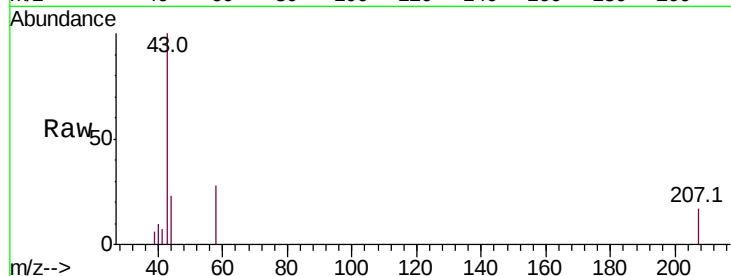
6BRE

Tot Ion: 43 Resp: 2536

Ion Ratio Lower Upper

43 100

58 27.8 25.8 38.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

Tgt Ion: 84 Resp: 5210

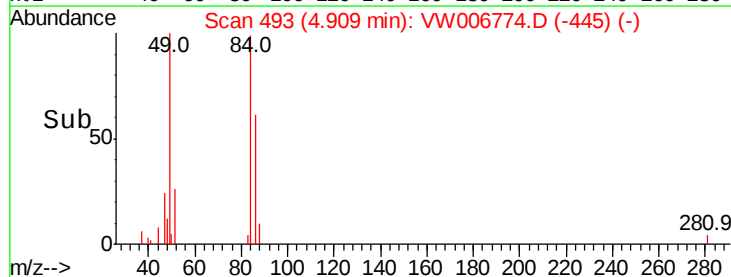
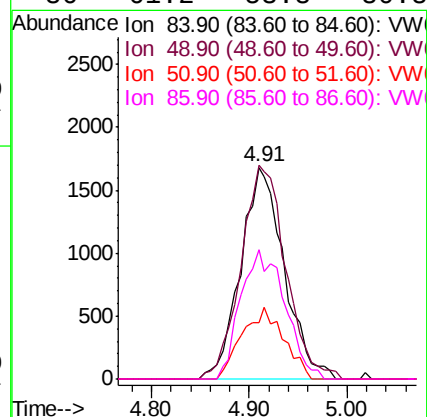
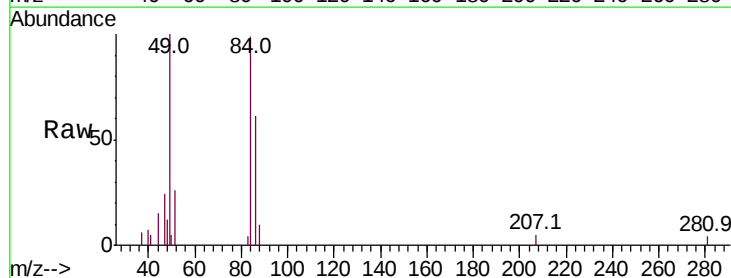
Ion Ratio Lower Upper

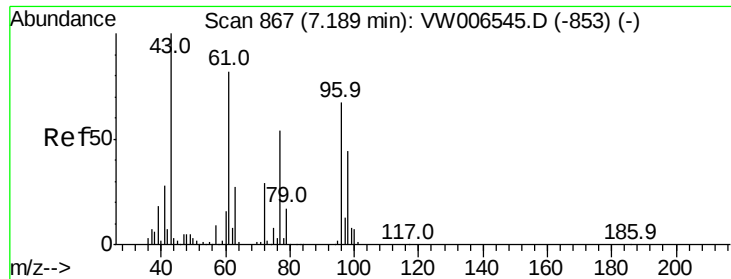
84 100

49 100.9 88.2 132.4

51 26.6 27.0 40.6#

86 61.2 53.8 80.8

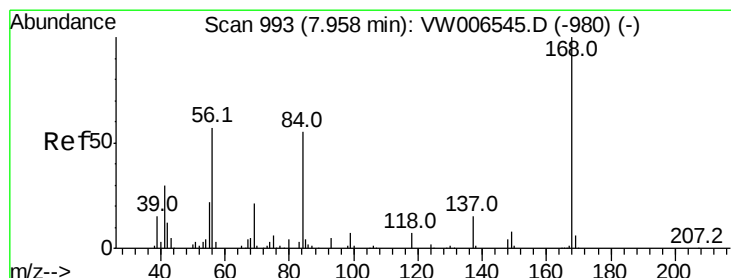
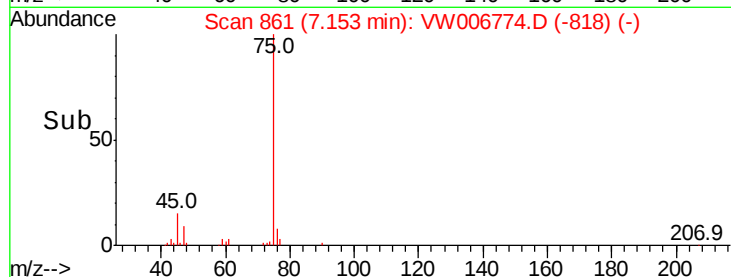
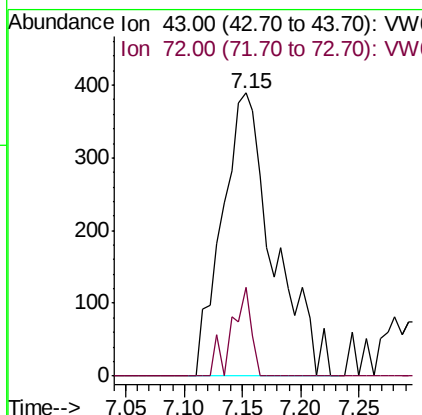
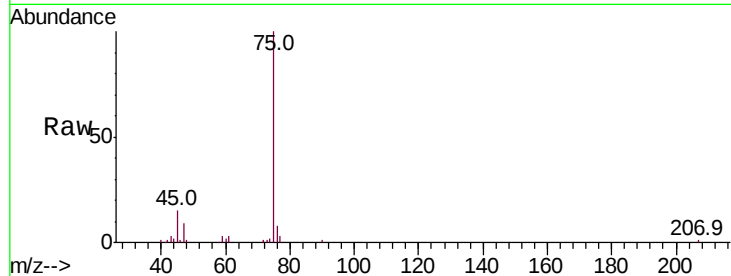




#25
2-Butanone
Concen: 3.508 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.04 min
Lab File: VW006774.D
Acq: 08 Nov 2018 18:49

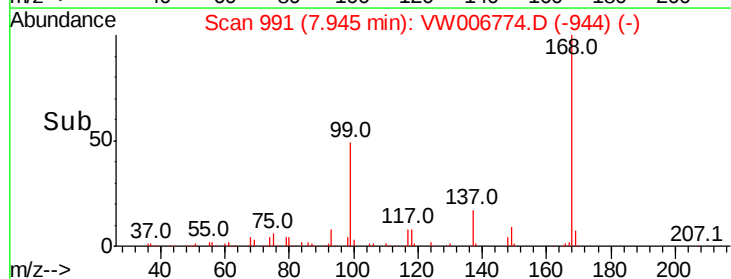
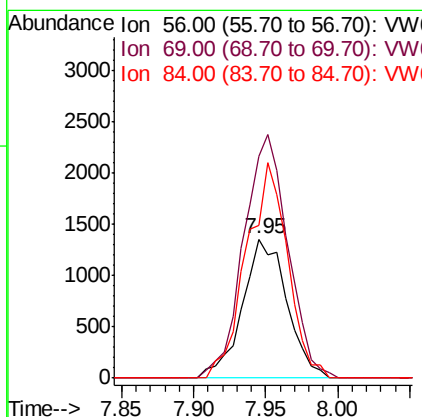
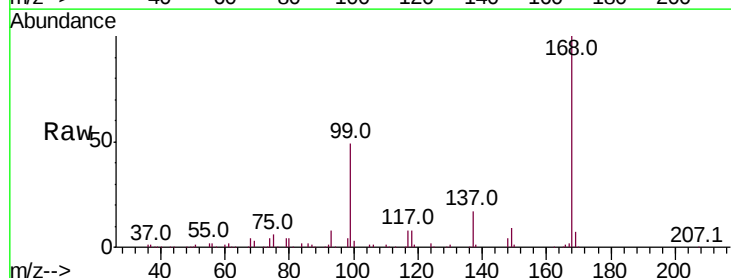
Instrument :
MSVOA_W
ClientSampleId :
6BRE

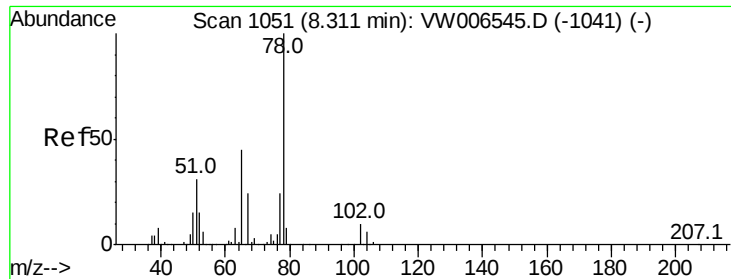
Tot Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
72 31.4 23.2 34.8



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006774.D
Acq: 08 Nov 2018 18:49

Tgt Ion: 56 Resp: 2884
Ion Ratio Lower Upper
56 100
69 159.4 29.0 43.4#
84 109.9 77.8 116.6





#33

1,2-Dichloroethane-d4

Concen: 34.022 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

Instrument :

MSVOA_W

ClientSampled :

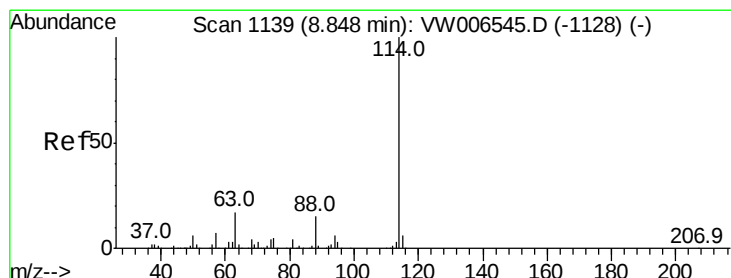
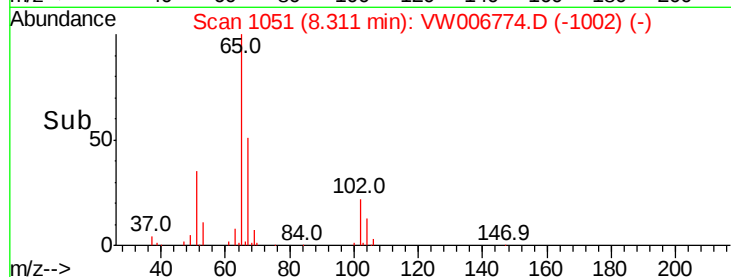
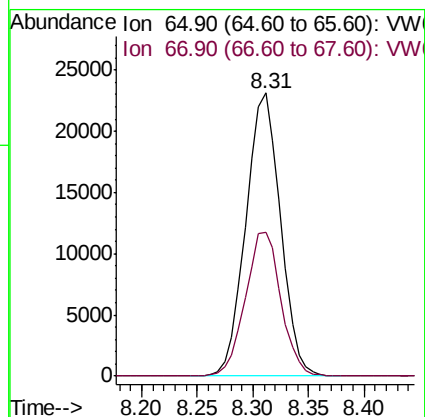
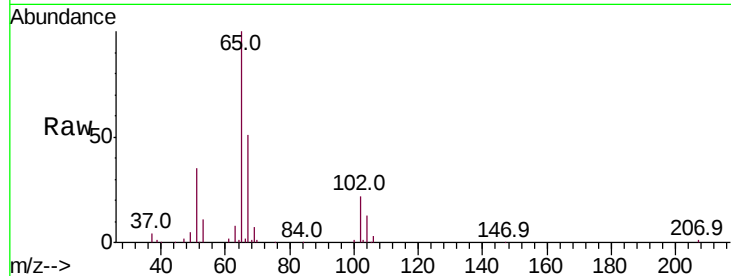
6BRE

Tot Ion: 65 Resp: 50136

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

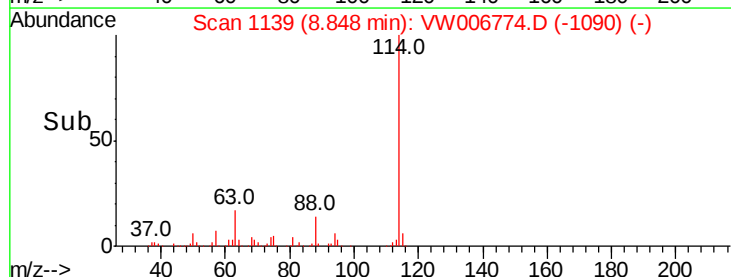
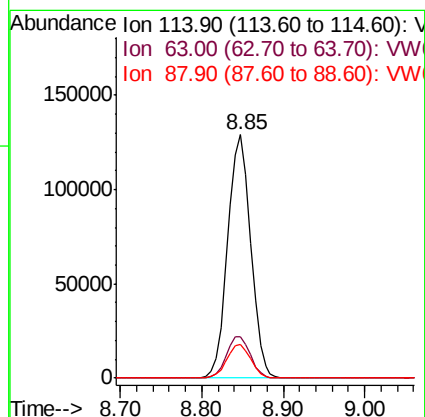
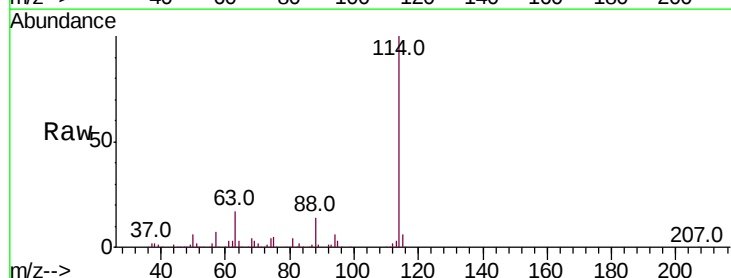
Tgt Ion: 114 Resp: 250854

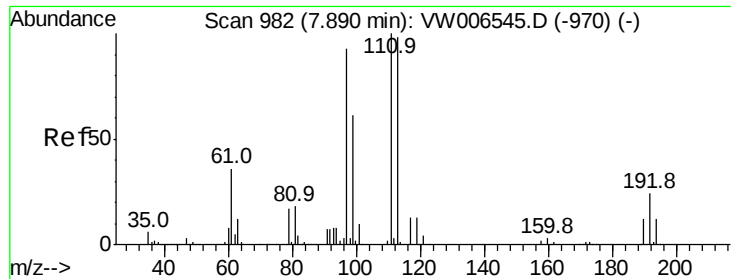
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.4

88 13.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 35.393 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

Instrument :

MSVOA_W

ClientSampled :

6BRE

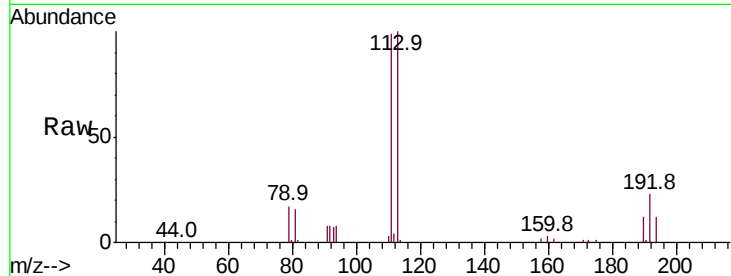
Tot Ion:113 Resp: 55719

Ion Ratio Lower Upper

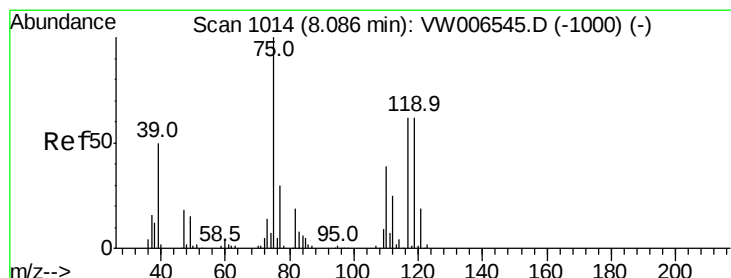
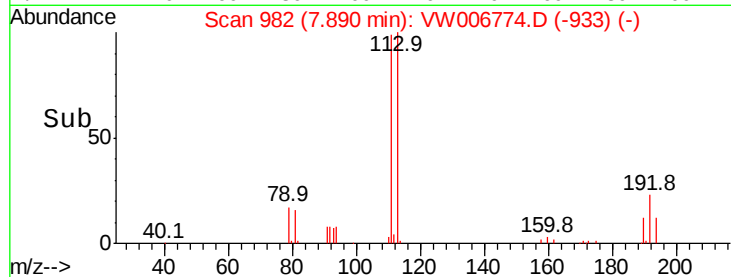
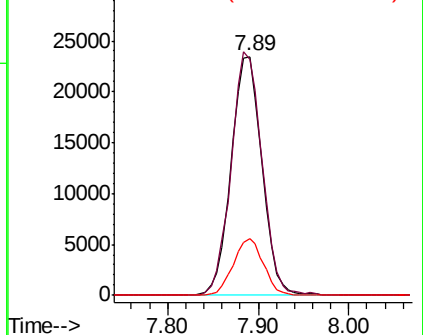
113 100

111 101.8 82.2 123.2

192 23.1 19.0 28.6



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: 4.934 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

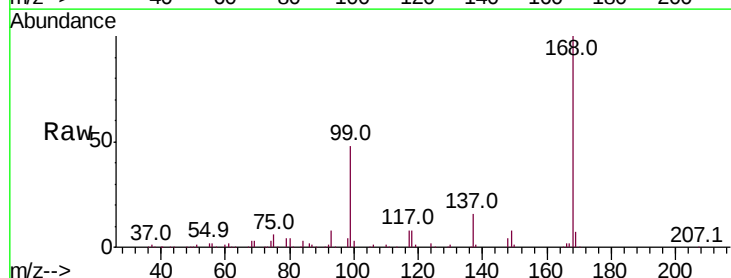
Tgt Ion: 75 Resp: 10884

Ion Ratio Lower Upper

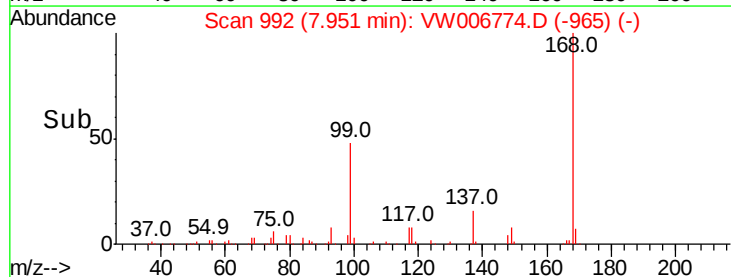
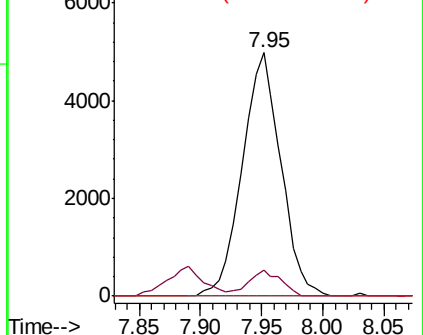
75 100

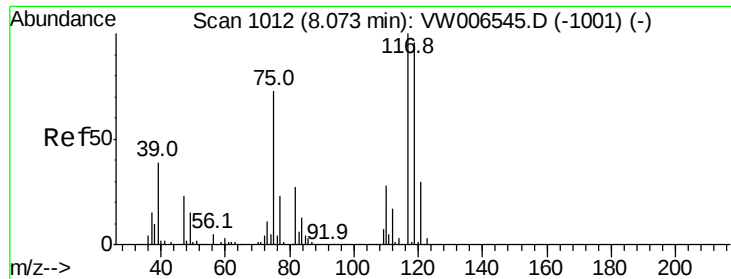
110 9.1 19.5 58.5#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

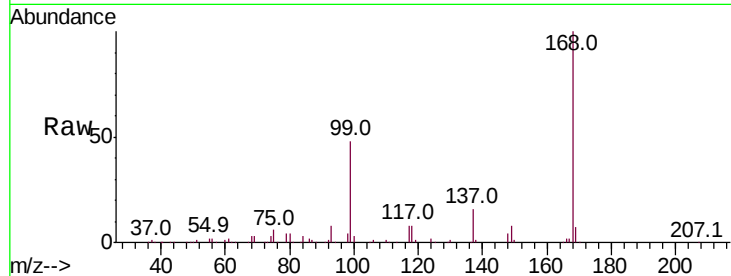




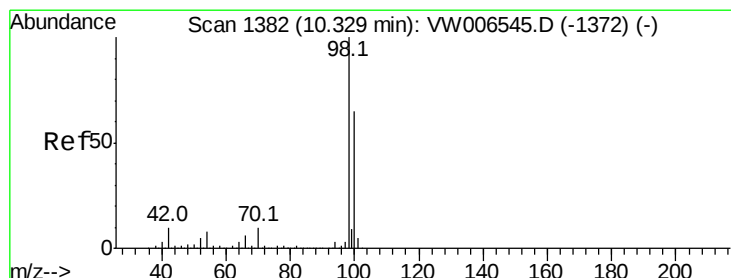
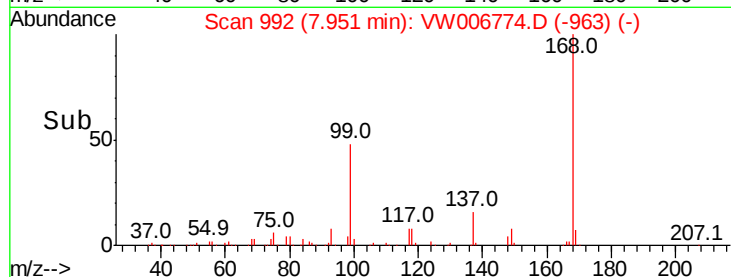
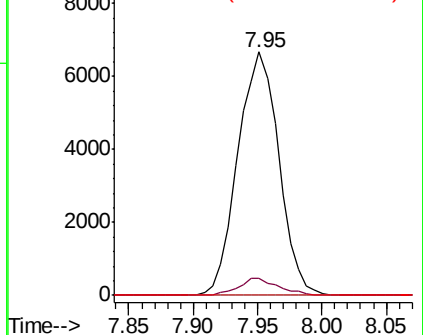
#38
Carbon Tetrachloride
Concen: 6.384 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006774.D
Acq: 08 Nov 2018 18:49

Instrument :
MSVOA_W
ClientSampleId :
6BRE

Tot Ion:117 Resp: 14716
Ion Ratio Lower Upper
117 100
119 7.0 76.3 114.5#
121 0.0 24.1 36.1#

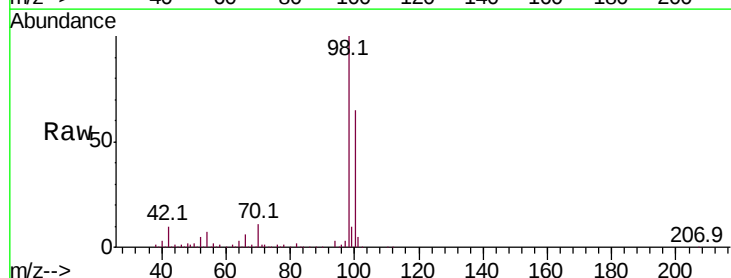


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

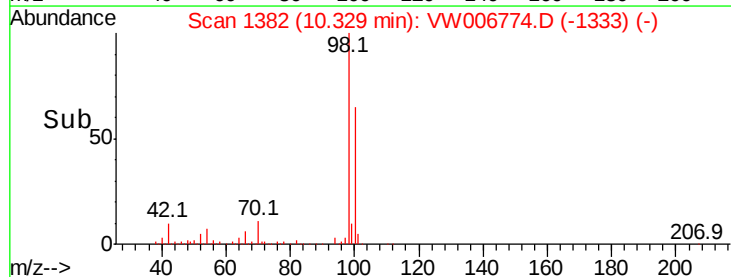
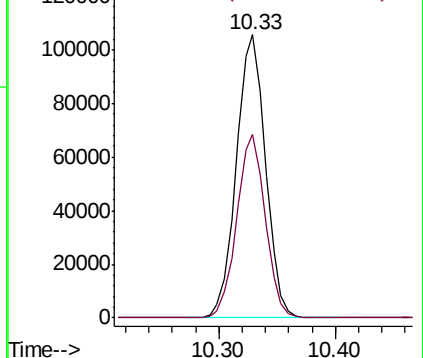


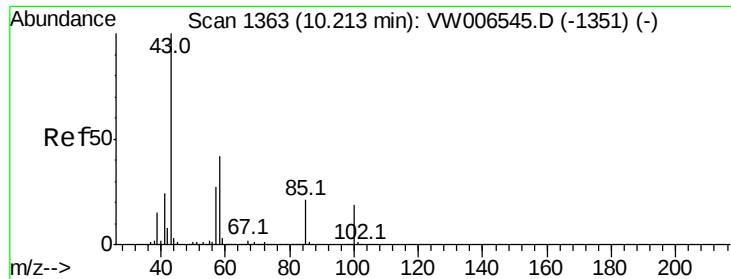
#50
Toluene-d8
Concen: 30.733 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006774.D
Acq: 08 Nov 2018 18:49

Tgt Ion: 98 Resp: 184186
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.357 ug/l

RT: 10.23 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

Instrument :

MSVOA_W

ClientSampled :

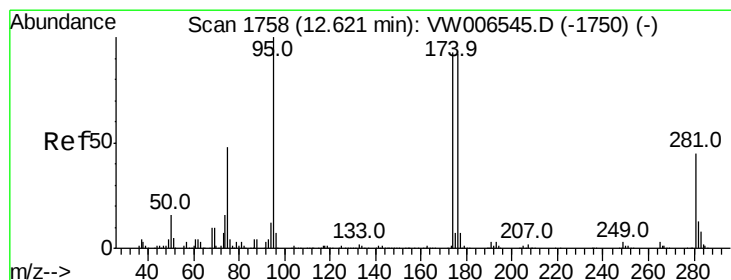
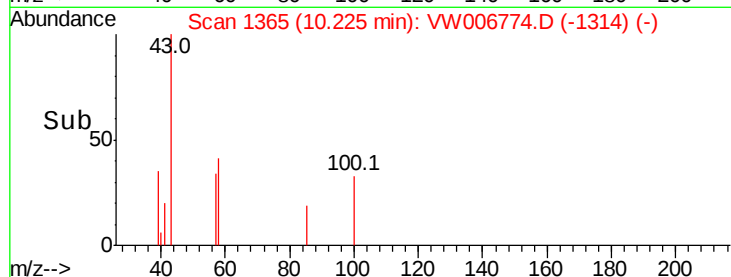
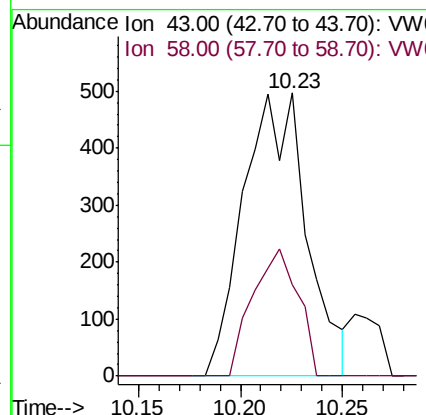
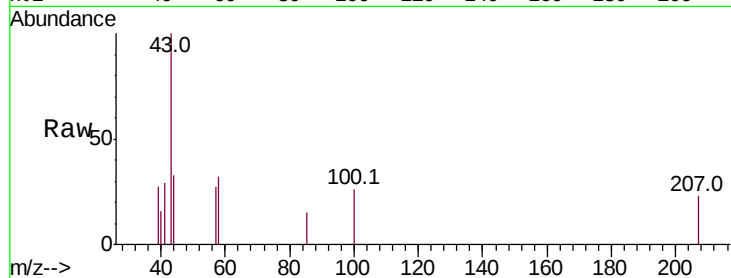
6BRE

Tot Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

58 32.7 33.4 50.0#



#62

4-Bromofluorobenzene

Concen: 28.864 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006774.D

Acq: 08 Nov 2018 18:49

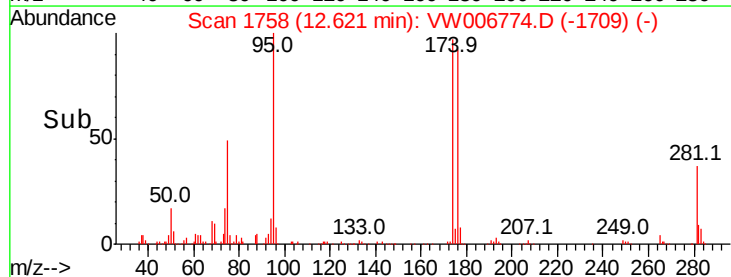
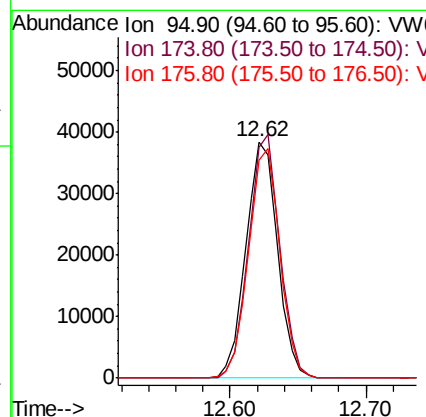
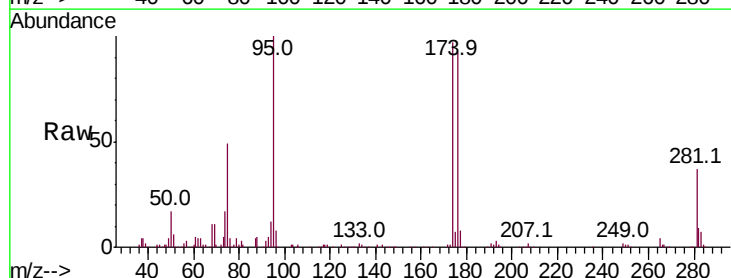
Tgt Ion: 95 Resp: 62714

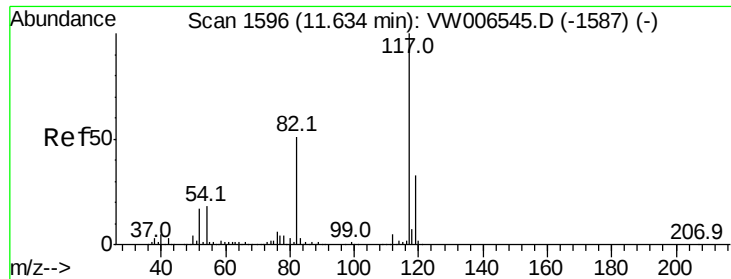
Ion Ratio Lower Upper

95 100

174 101.6 0.0 192.4

176 96.3 0.0 187.4

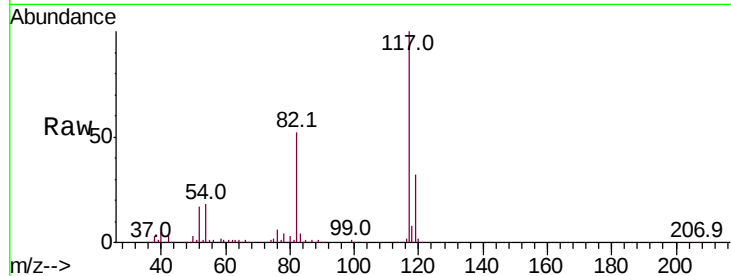




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006774.D
Acq: 08 Nov 2018 18:49

Instrument :
MSVOA_W
ClientSampleId :
6BRE

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.8	61.2
119	31.9	26.1	39.1

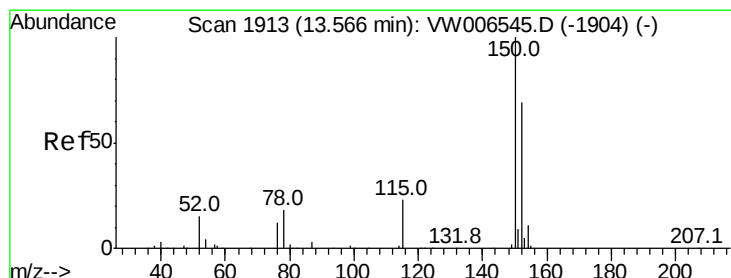
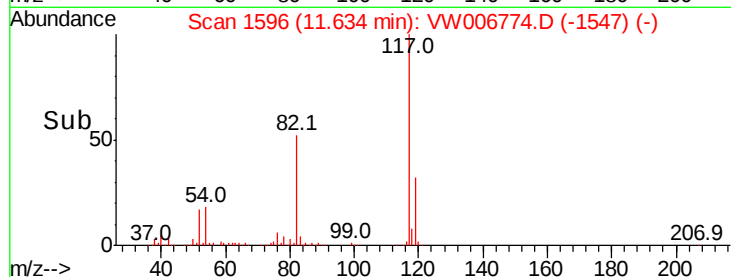
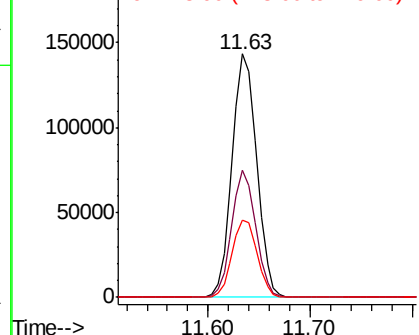


Abundance

Ion 116.90 (116.60 to 117.60): V

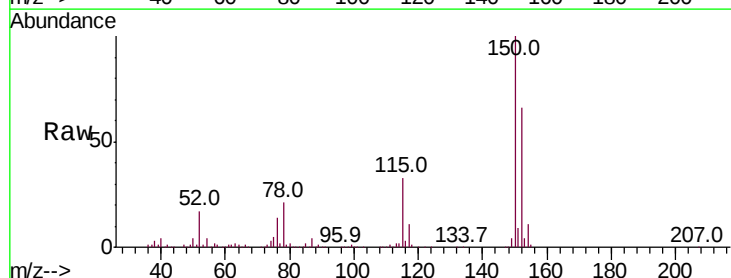
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006774.D
Acq: 08 Nov 2018 18:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	26.6	79.8
150	156.8	0.0	344.6

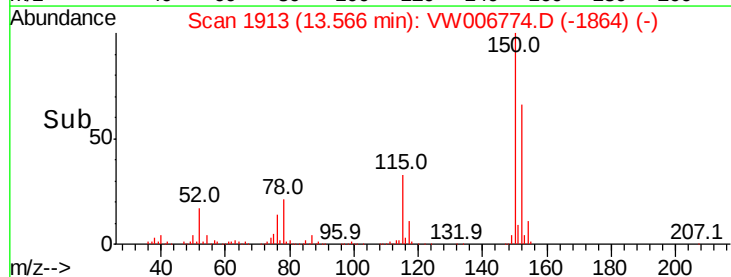
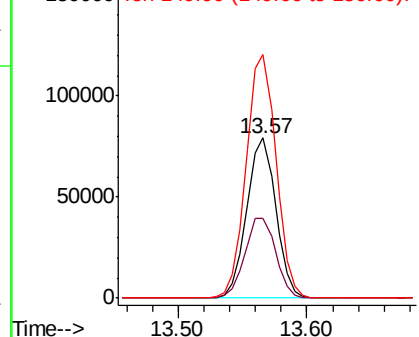


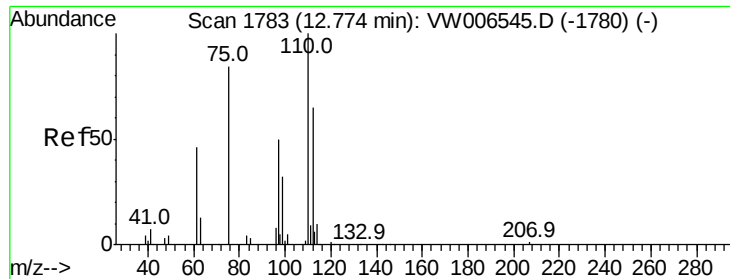
Abundance

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

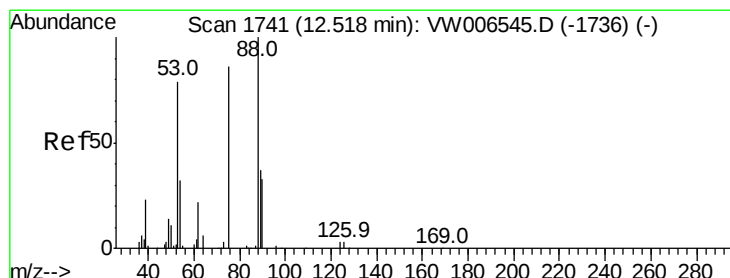
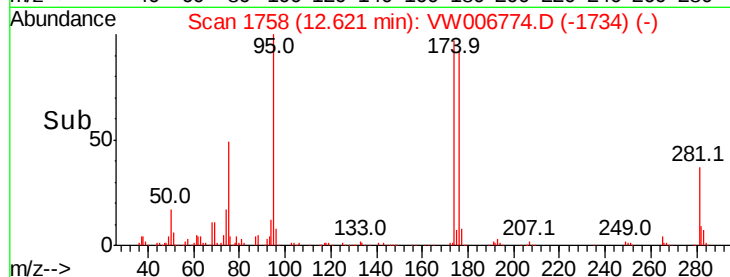
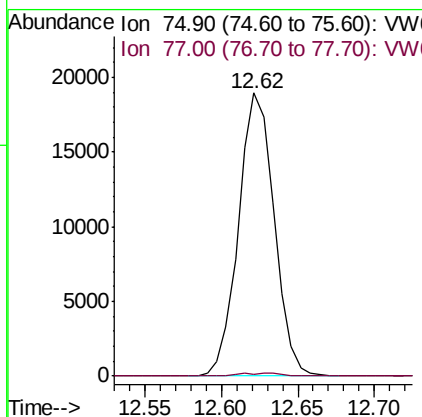
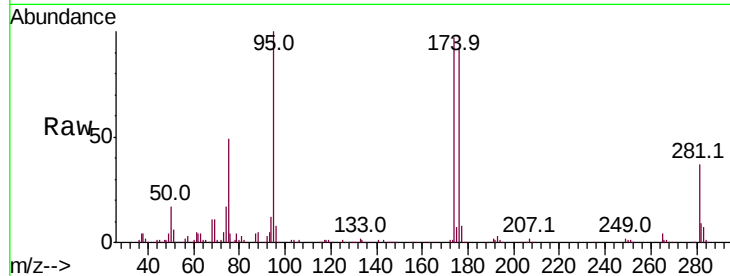




#76
 1,2,3-Trichloropropane
 Concen: 32.004 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006774.D
 Acq: 08 Nov 2018 18:49

Instrument :
 MSVOA_W
 ClientSampleId :
 6BRE

Tot Ion: 75 Resp: 30670
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.131 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006774.D
 Acq: 08 Nov 2018 18:49

Tgt Ion: 75 Resp: 30670
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.2 115.8#
 89 0.1 38.6 58.0#

