

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011870.D
 Acq On : 13 Aug 2019 00:45
 Operator : SY/VA
 Sample : K4229-15
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:24:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125911	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	153651	59.82	ug/l	0.00
Spiked Amount			Recovery	=	119.64%	
35) Dibromofluoromethane	7.88	113	118676	55.86	ug/l	0.00
Spiked Amount			Recovery	=	111.72%	
50) Toluene-d8	10.32	98	468098	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.62	95	150028	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	

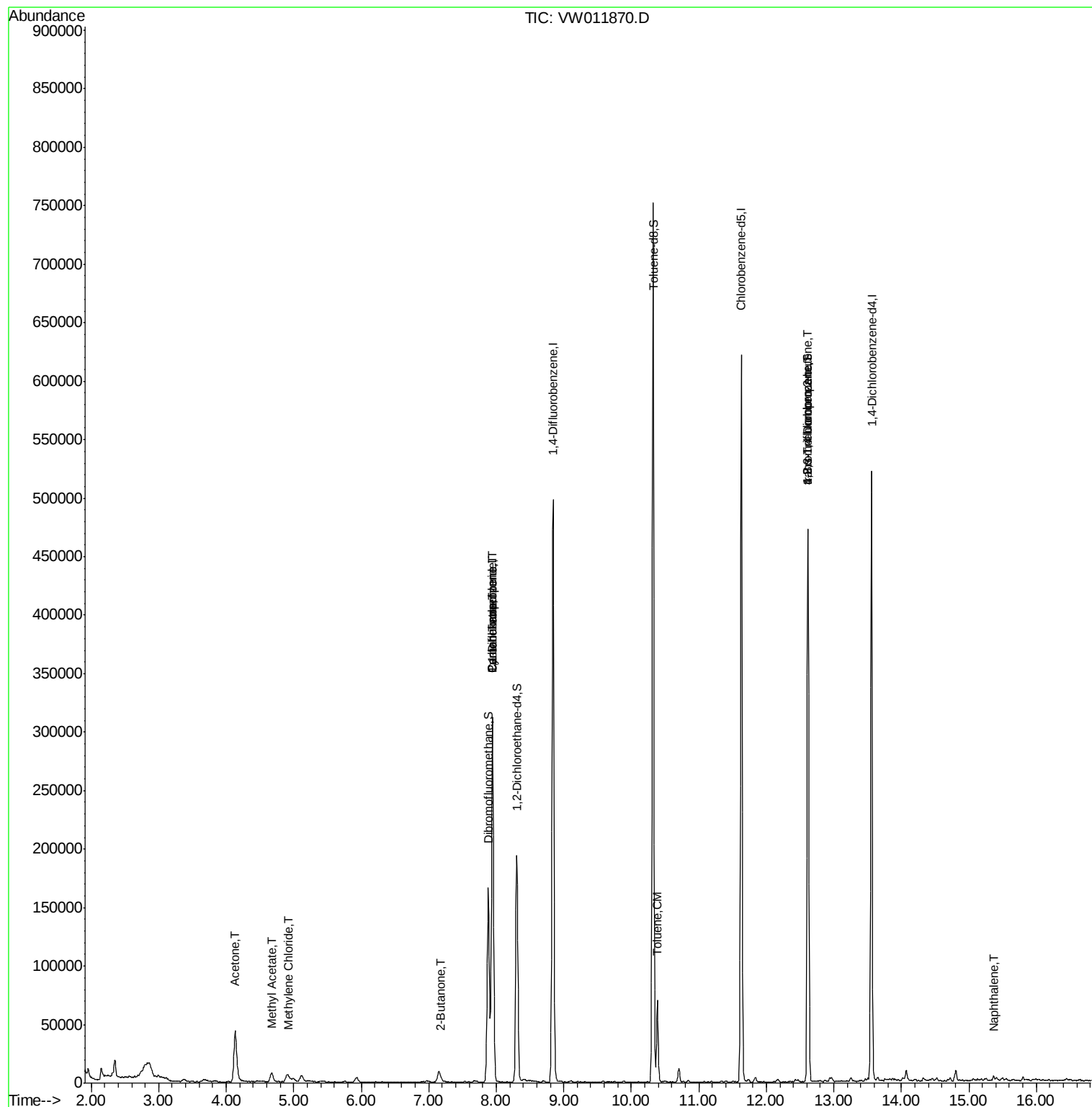
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	270	Below Cal	#	1
16) Acetone	4.13	43	87483	107.075	ug/l	98
18) Methyl Acetate	4.68	43	16175	8.813	ug/l	97
20) Methylene Chloride	4.91	84	4492	1.594	ug/l	97
25) 2-Butanone	7.18	43	3067	2.869	ug/l #	82
31) Cyclohexane	7.95	56	5837	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20354	5.169	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23565	6.991	ug/l #	17
52) Toluene	10.39	92	28604	4.294	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	80467	60.398	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80467	139.196	ug/l #	6
95) Naphthalene	15.36	128	3043	2.653	ug/l	97

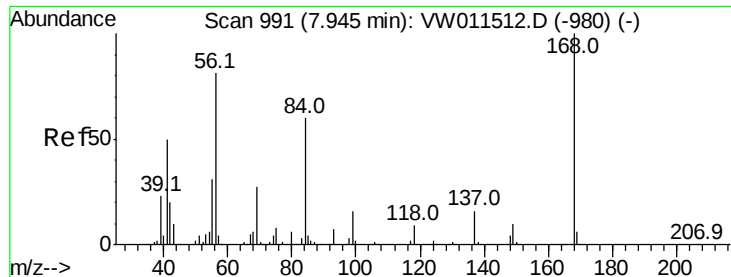
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 27 00:23:30 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011870.D

Acq: 13 Aug 2019 00:45

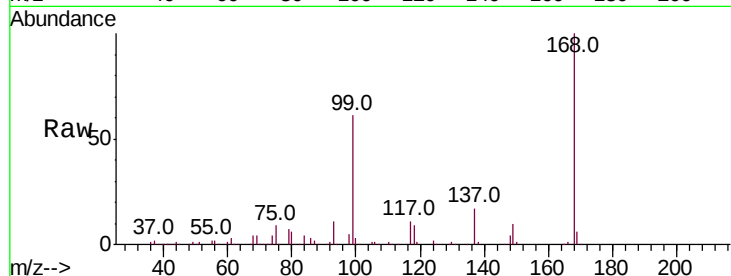
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 223681

Ion Ratio Lower Upper

168 100

99 61.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

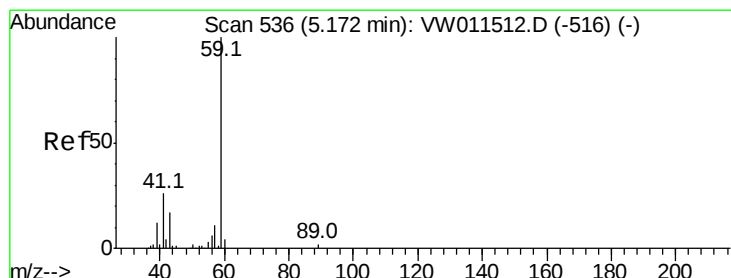
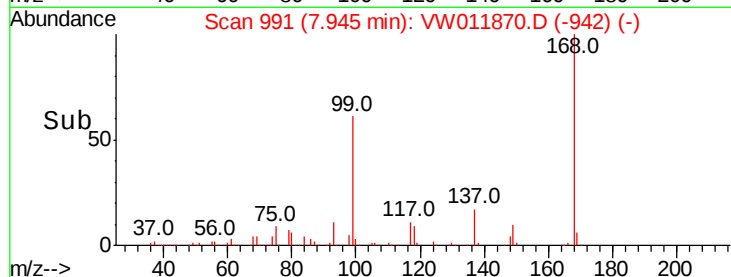
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011870.D

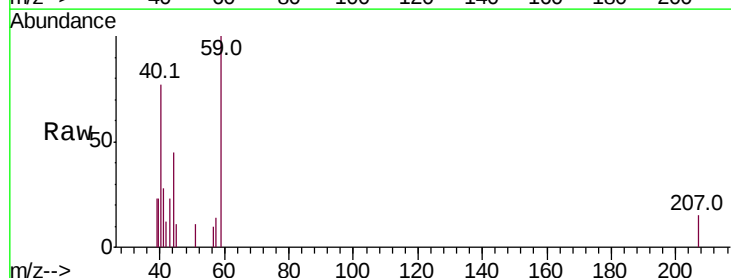
Acq: 13 Aug 2019 00:45

Tgt Ion: 59 Resp: 270

Ion Ratio Lower Upper

59 100

57 84.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

600

500

400

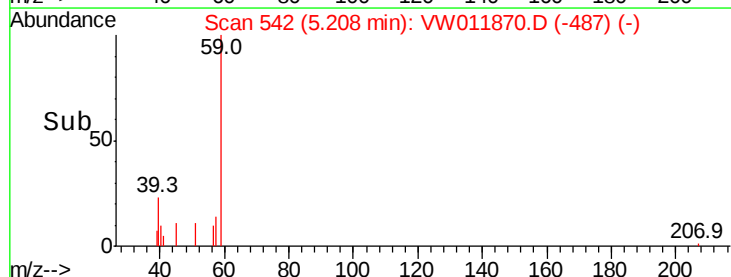
300

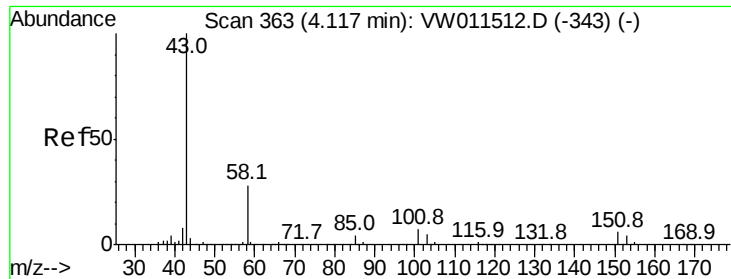
200

100

0

Time--> 5.18 5.20 5.22

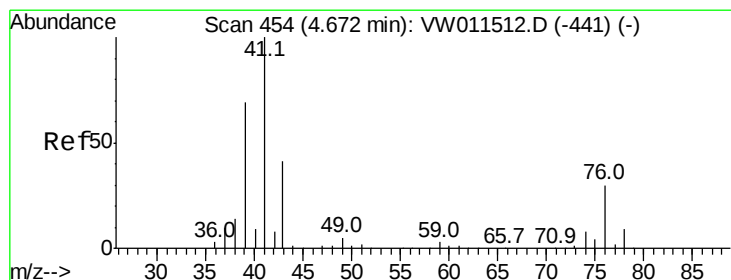
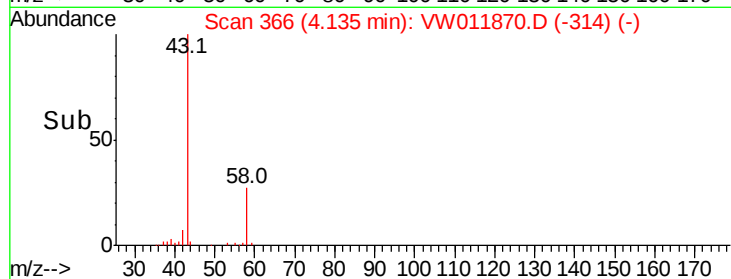
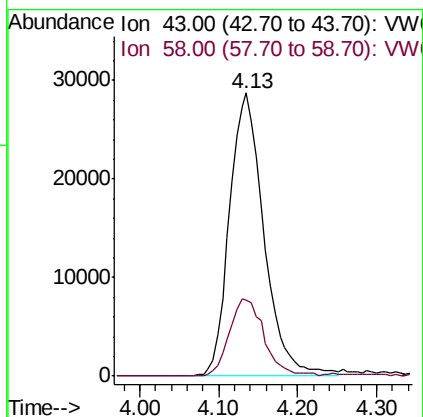
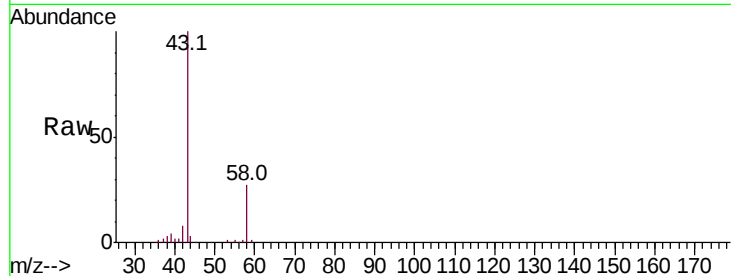




#16
Acetone
Concen: 107.075 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

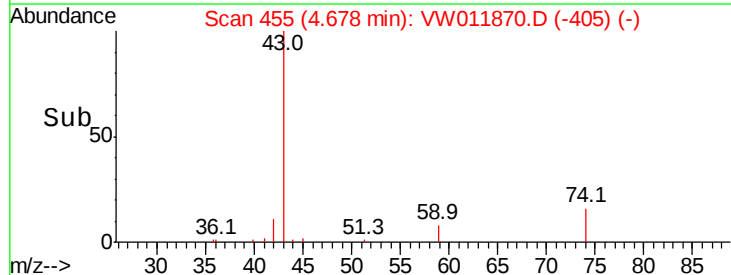
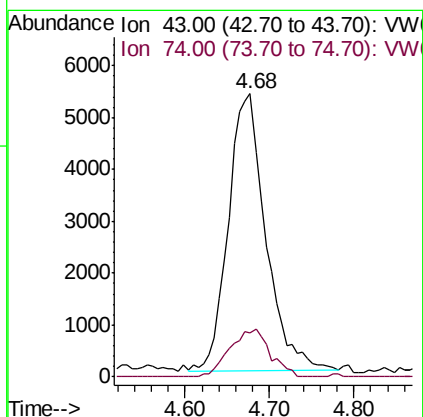
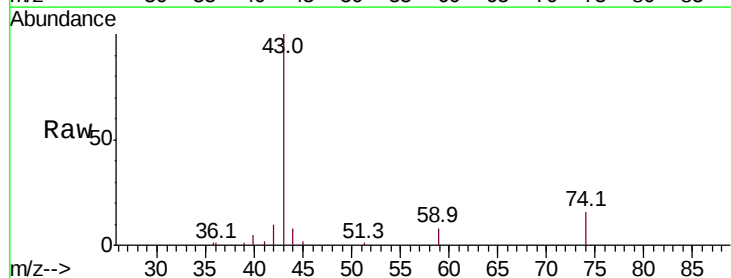
Instrument :
MSVOA_W
ClientSampleId :

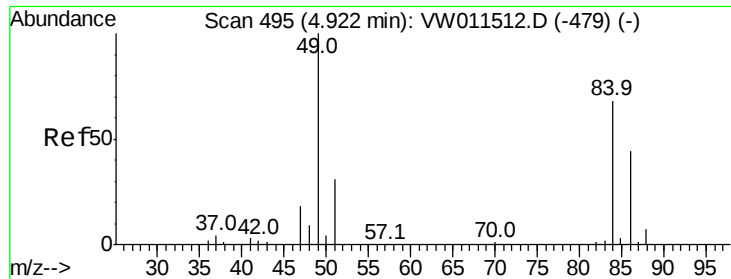
Tot Ion: 43 Resp: 87483
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#18
Methyl Acetate
Concen: 8.813 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

Tgt Ion: 43 Resp: 16175
Ion Ratio Lower Upper
43 100
74 18.4 15.9 23.9

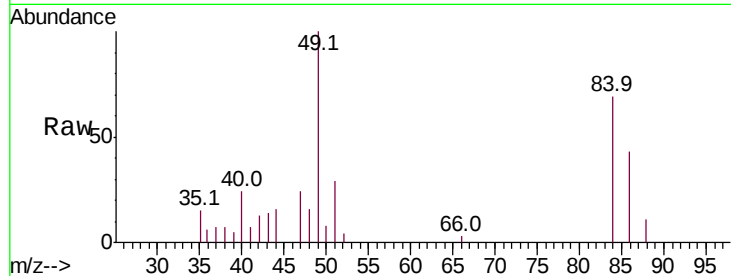




#20
Methvlene Chloride
Concen: 1.594 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 4492
Ion Ratio Lower Upper
84 100
49 145.7 117.8 176.6
51 37.9 37.0 55.4
86 63.0 51.8 77.8



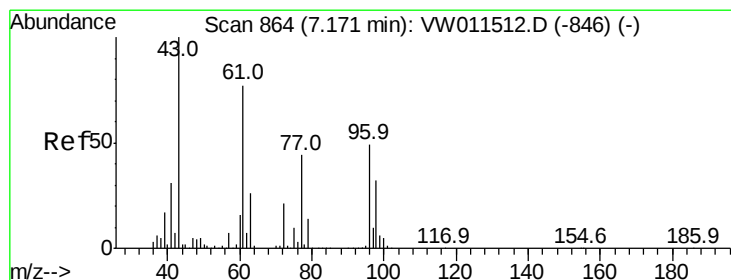
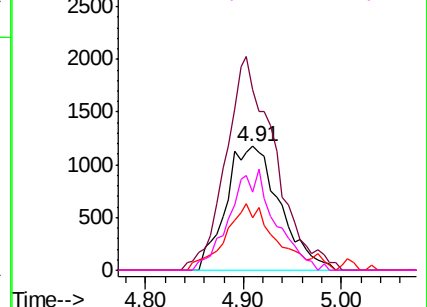
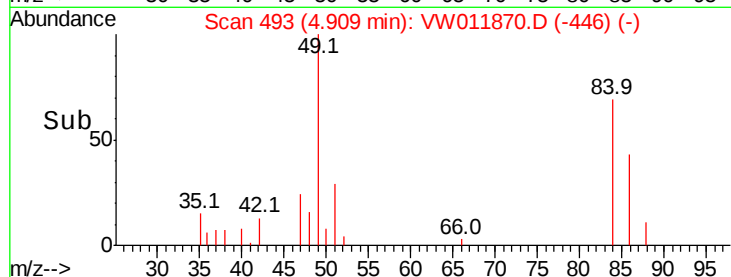
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

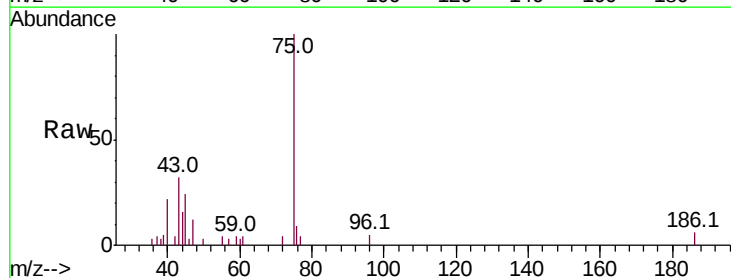
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 2.869 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

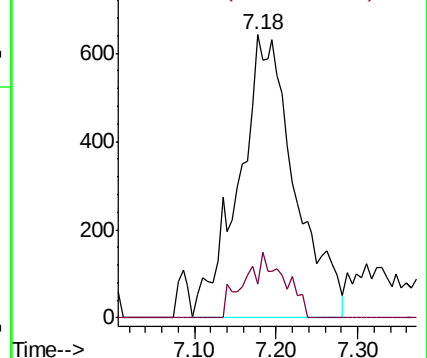
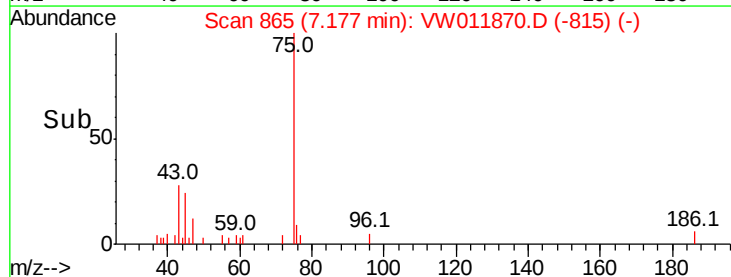
Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
72 12.1 16.6 24.8#

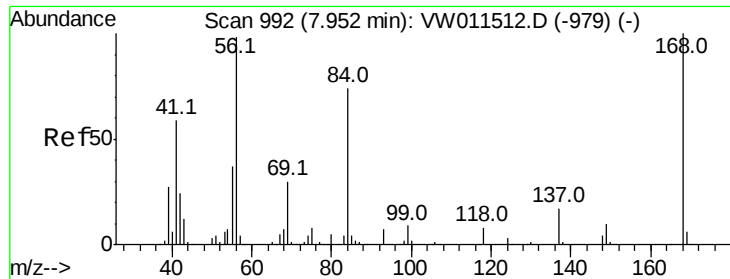


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

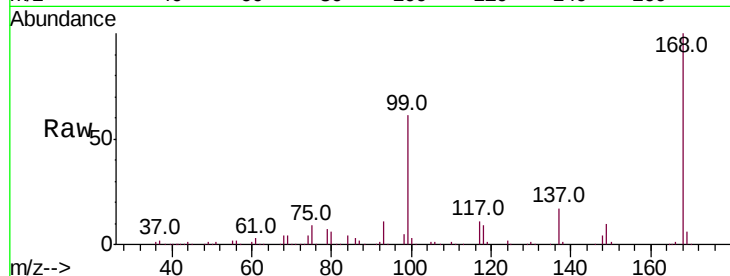




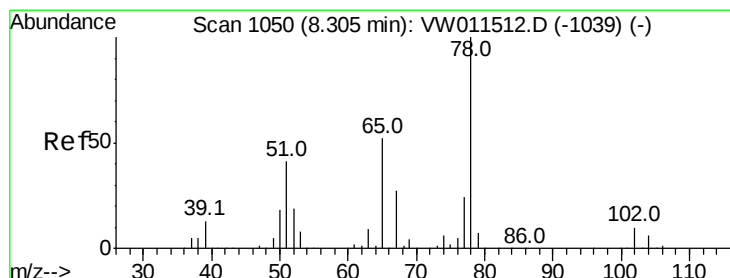
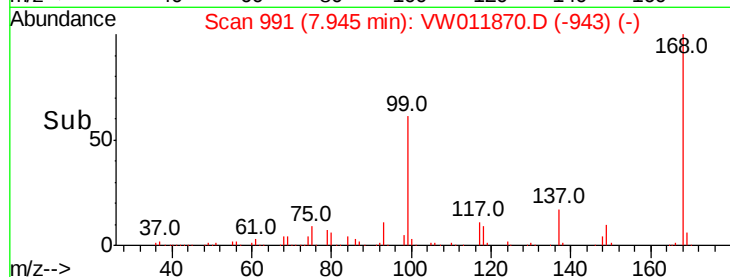
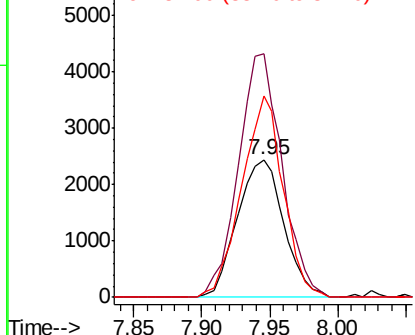
#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5837
Ion Ratio Lower Upper
56 100
69 177.1 24.3 36.5#
84 146.2 60.4 90.6#

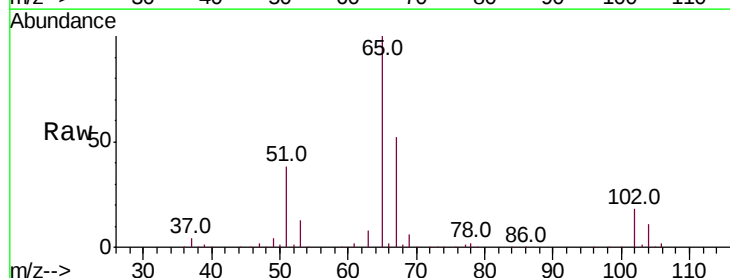


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

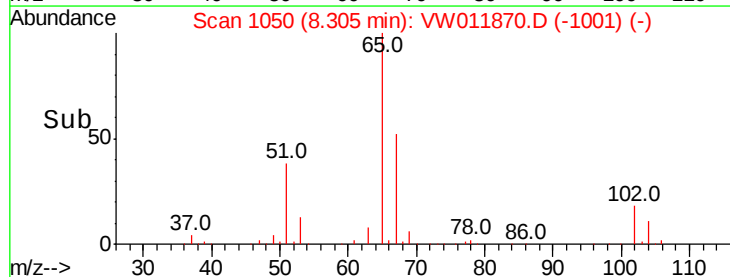
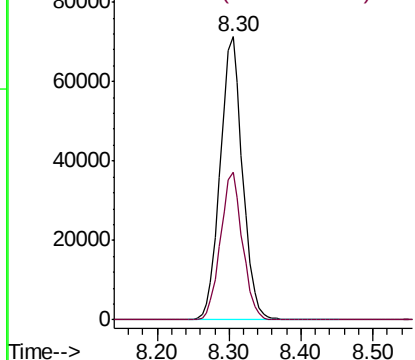


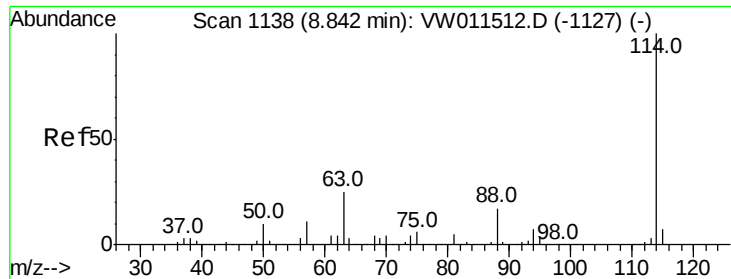
#33
1,2-Dichloroethane-d4
Concen: 59.822 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

Tgt Ion: 65 Resp: 153651
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.2



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



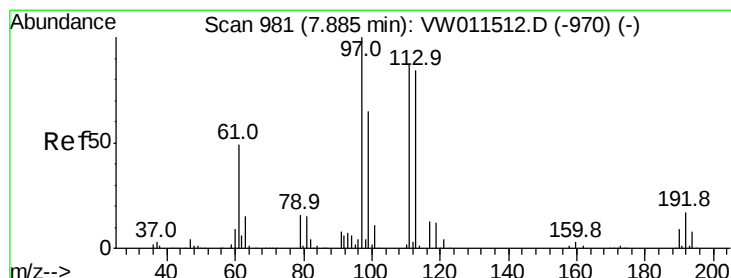
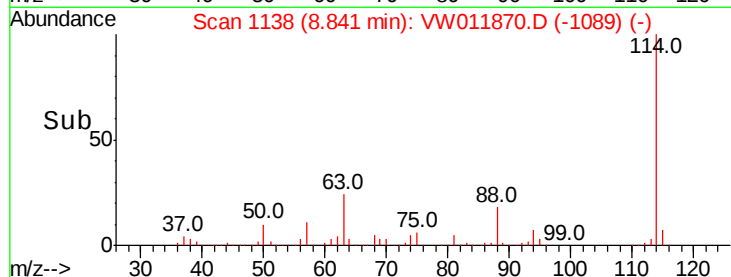
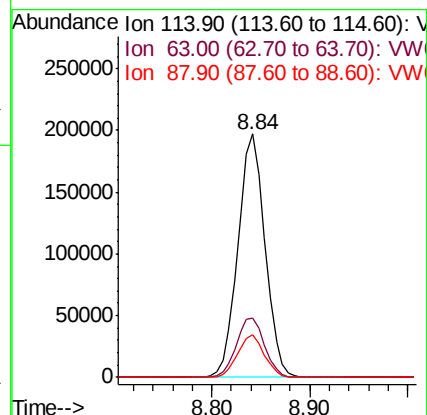
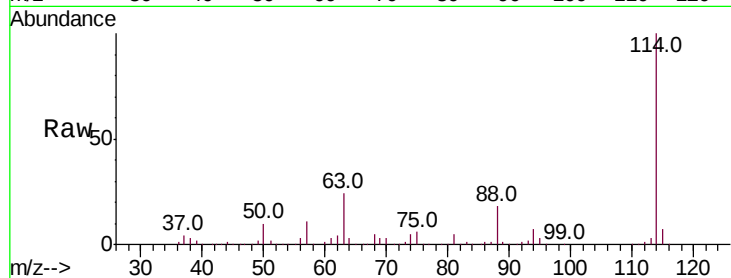


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011870.D
 Acq: 13 Aug 2019 00:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 378690

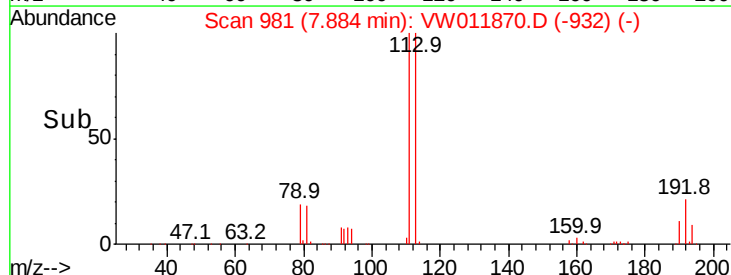
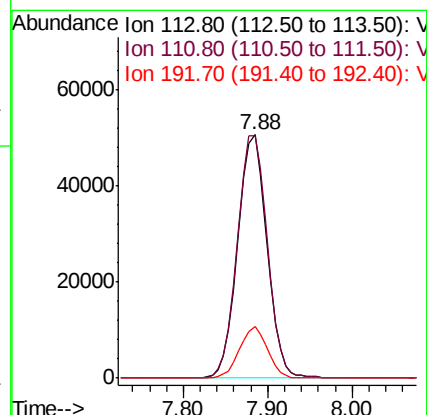
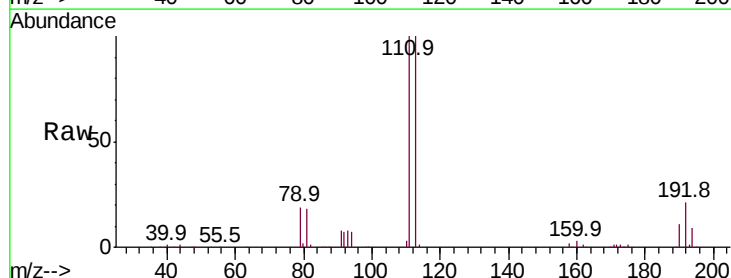
Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	17.5	0.0	33.8

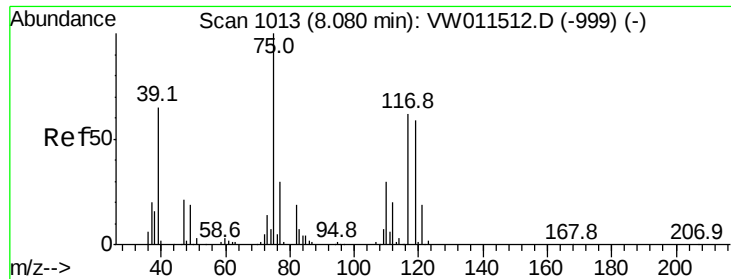


#35
 Dibromofluoromethane
 Concen: 55.860 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011870.D
 Acq: 13 Aug 2019 00:45

Tgt Ion:113 Resp: 118676

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.3	16.1	24.1

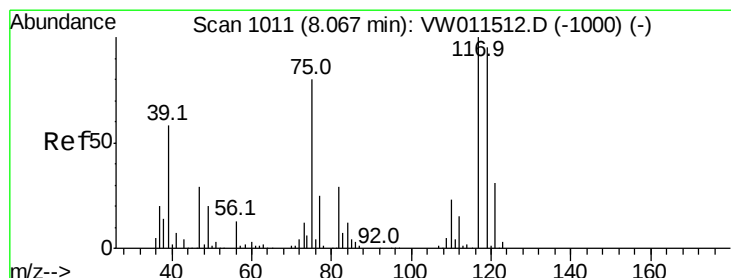
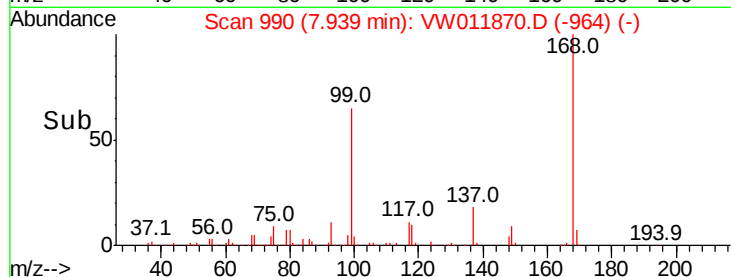
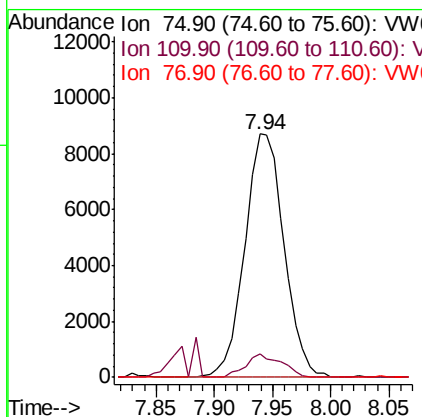
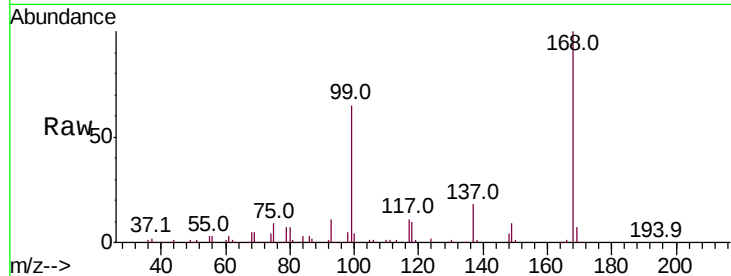




#36
 1,1-Dichloropropene
 Concen: 5.169 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011870.D
 Acq: 13 Aug 2019 00:45

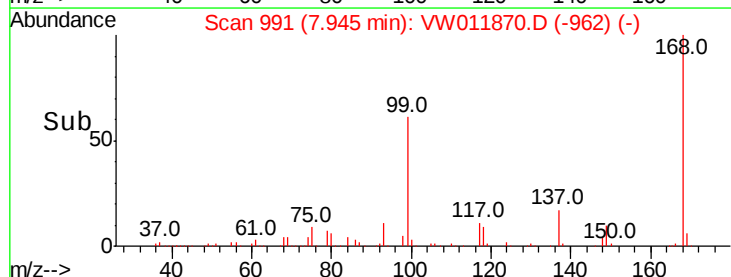
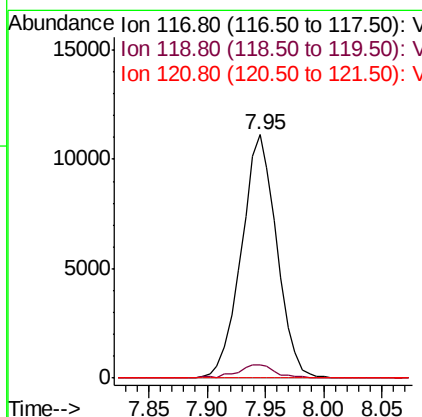
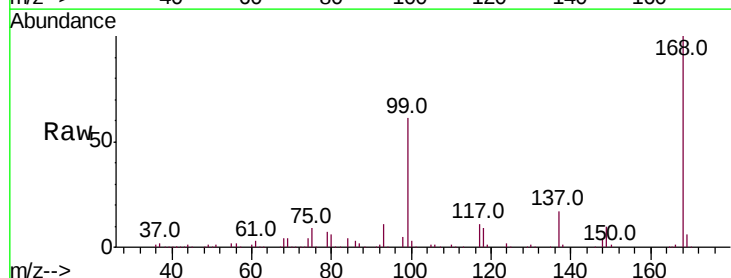
Instrument :
 MSVOA_W
 ClientSampled :

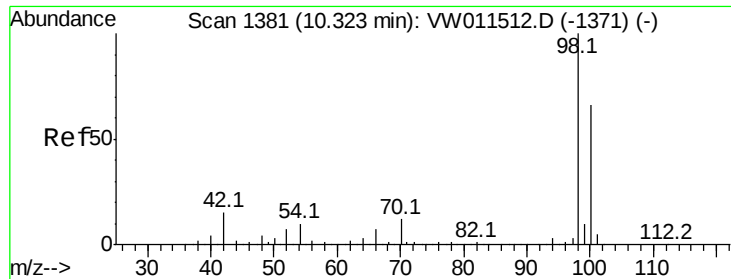
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.991 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011870.D
 Acq: 13 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.8	113.6#
121	0.0	24.7	37.1#

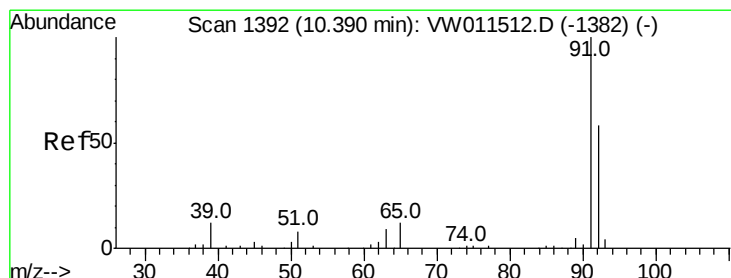
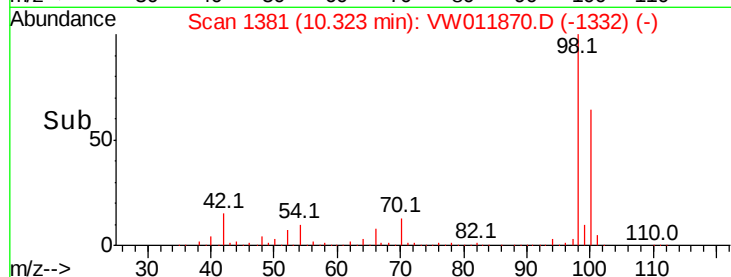
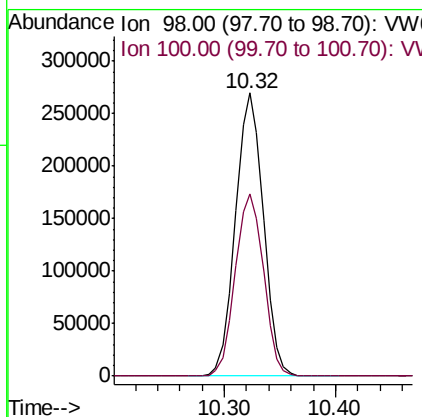
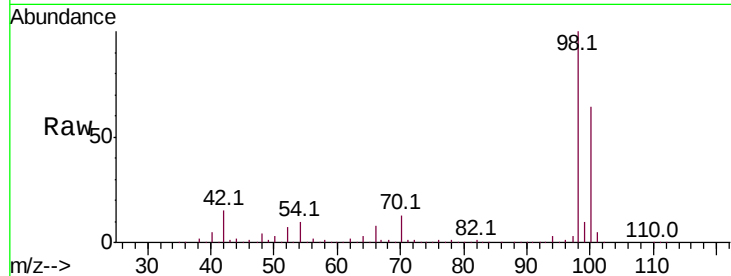




#50
Toluene-d8
Concen: 53.814 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

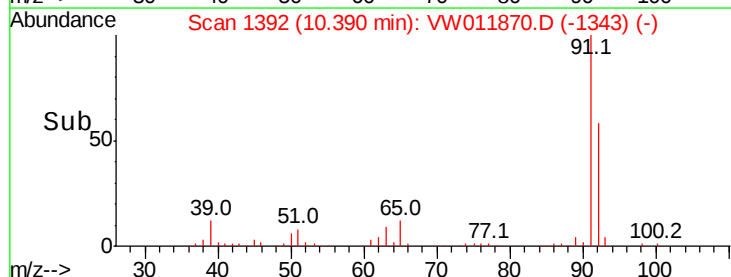
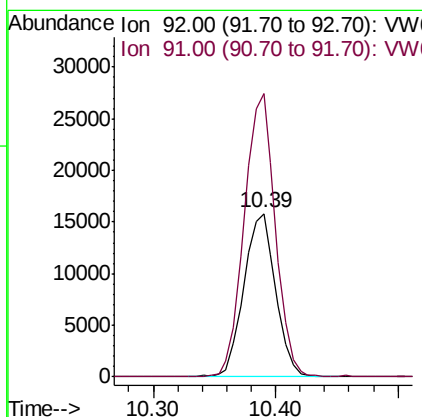
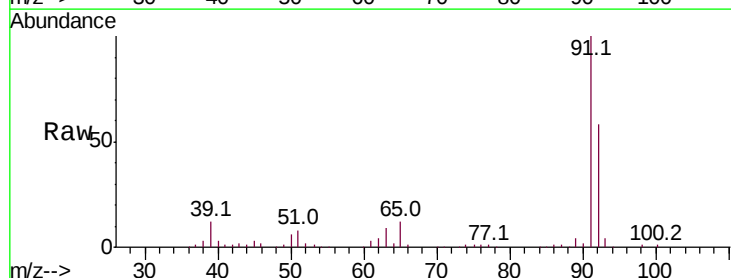
Instrument :
MSVOA_W
ClientSampleId :

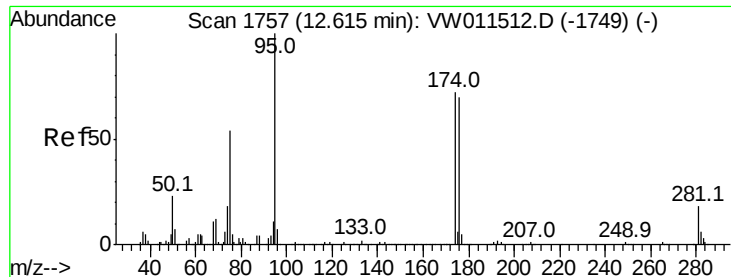
Tot Ion: 98 Resp: 468098
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#52
Toluene
Concen: 4.294 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

Tgt Ion: 92 Resp: 28604
Ion Ratio Lower Upper
92 100
91 169.1 136.7 205.1

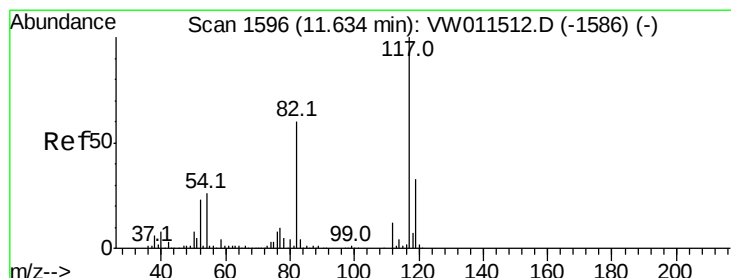
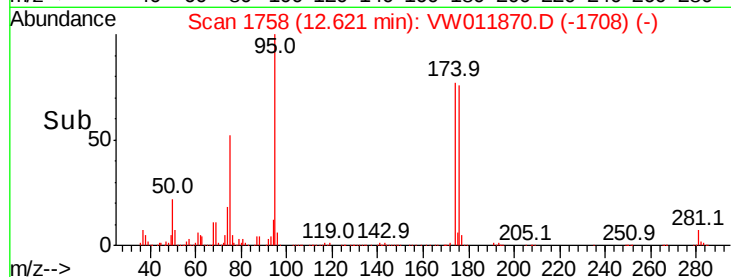
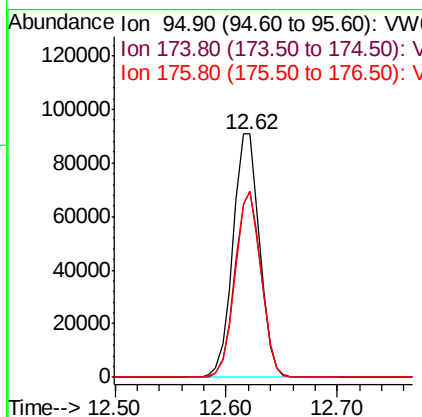
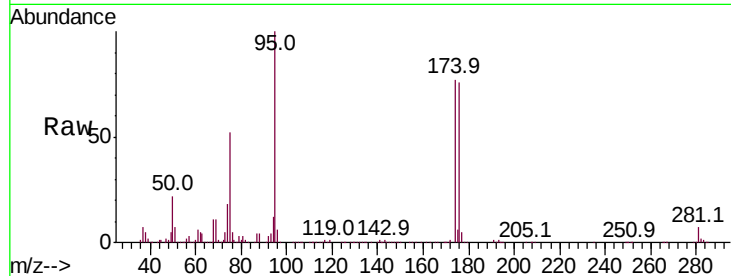




#62
4-Bromofluorobenzene
Concen: 48.378 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

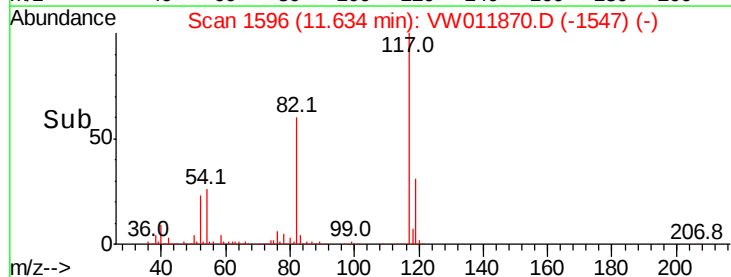
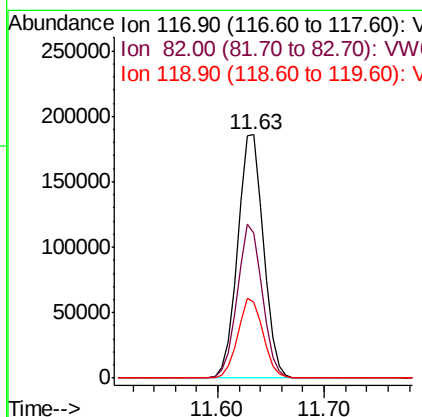
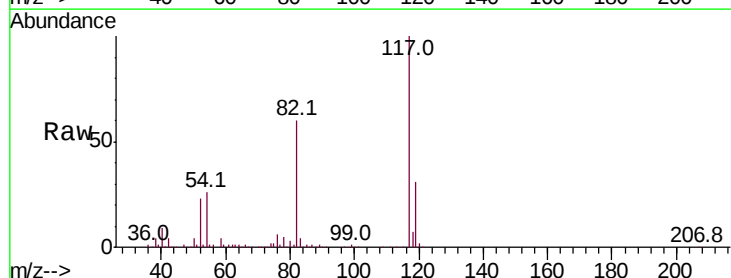
Instrument :
MSVOA_W
ClientSampleId :

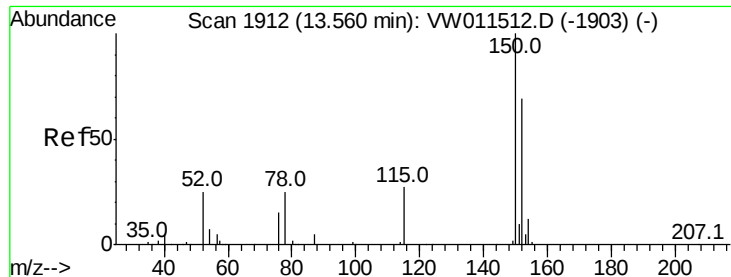
Tot Ion: 95 Resp: 150028
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.2
176 73.9 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011870.D
Acq: 13 Aug 2019 00:45

Tgt Ion: 117 Resp: 317577
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 31.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011870.D

Acq: 13 Aug 2019 00:45

Instrument :

MSVOA_W

ClientSampleId :

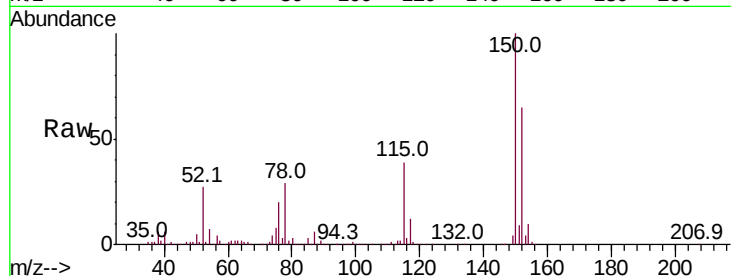
Tot Ion:152 Resp: 125911

Ion Ratio Lower Upper

152 100

115 60.8 30.5 91.5

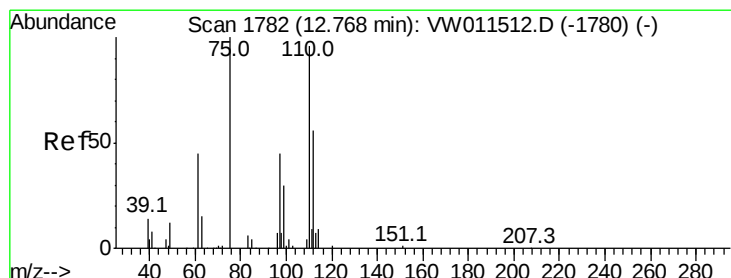
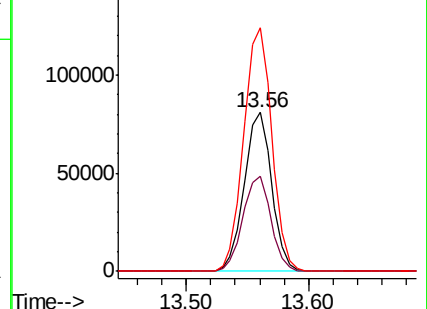
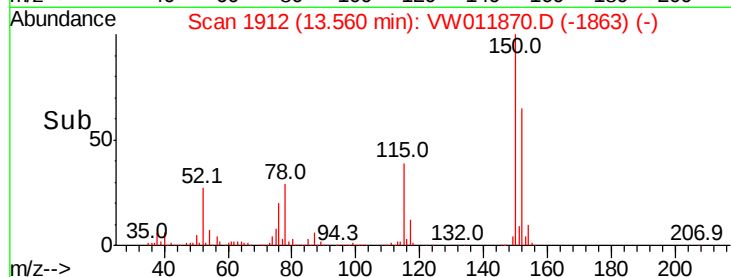
150 157.3 0.0 352.6



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: 60.398 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011870.D

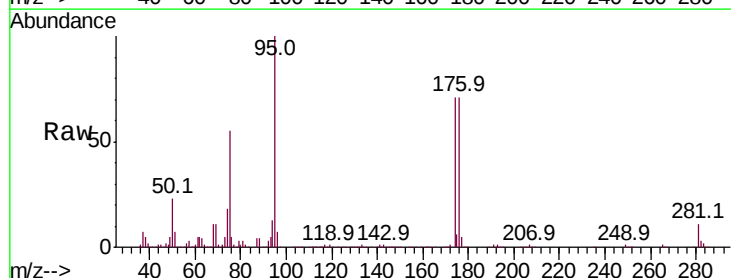
Acq: 13 Aug 2019 00:45

Tgt Ion: 75 Resp: 80467

Ion Ratio Lower Upper

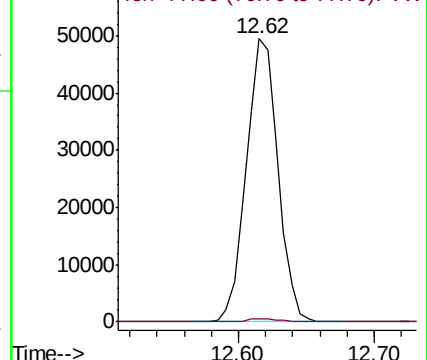
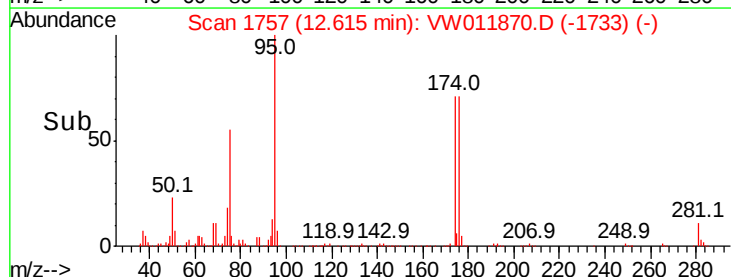
75 100

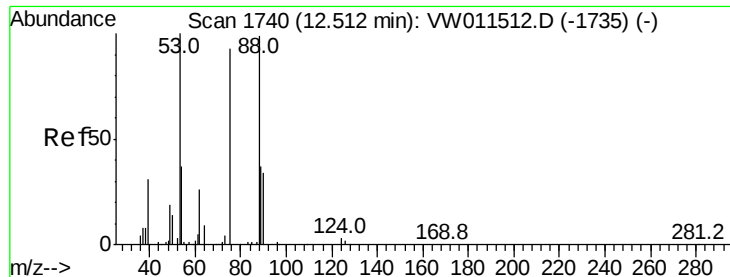
77 1.3 0.0 0.0#



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: 139.196 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011870.D

Acq: 13 Aug 2019 00:45

Instrument :

MSVOA_W

ClientSampleId :

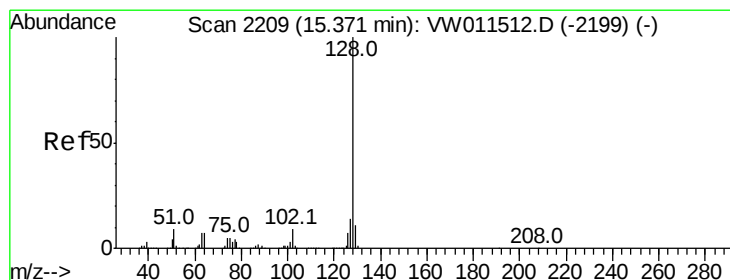
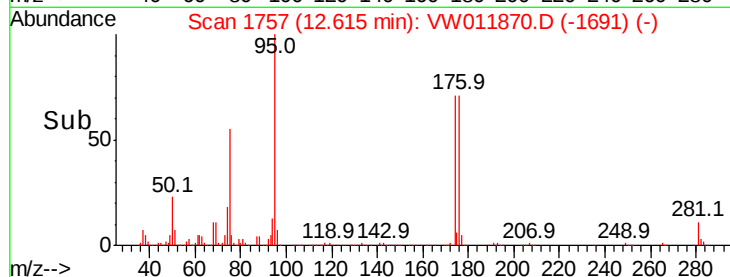
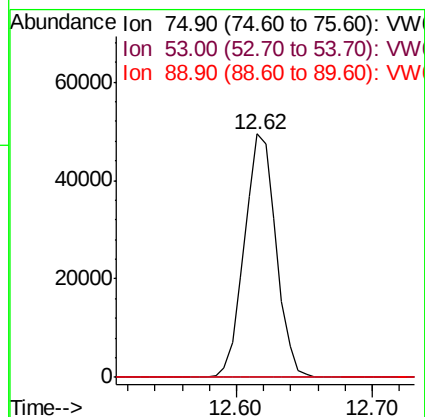
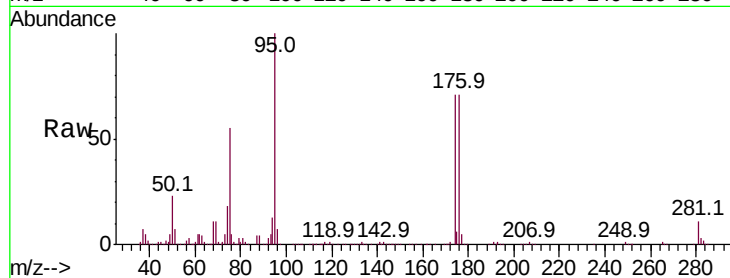
Tot Ion: 75 Resp: 80467

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.653 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011870.D

Acq: 13 Aug 2019 00:45

Tgt Ion: 128 Resp: 3043

Ion Ratio Lower Upper

128 100

127 12.0 10.6 16.0

129 12.1 8.6 13.0

