

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012248.D
 Acq On : 28 Aug 2019 12:41
 Operator : SY/VA
 Sample : K4521-15
 Misc : 3.84G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:25:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141827	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	139705	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	7.88	113	117177	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.32	98	489411	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.62	95	160796	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

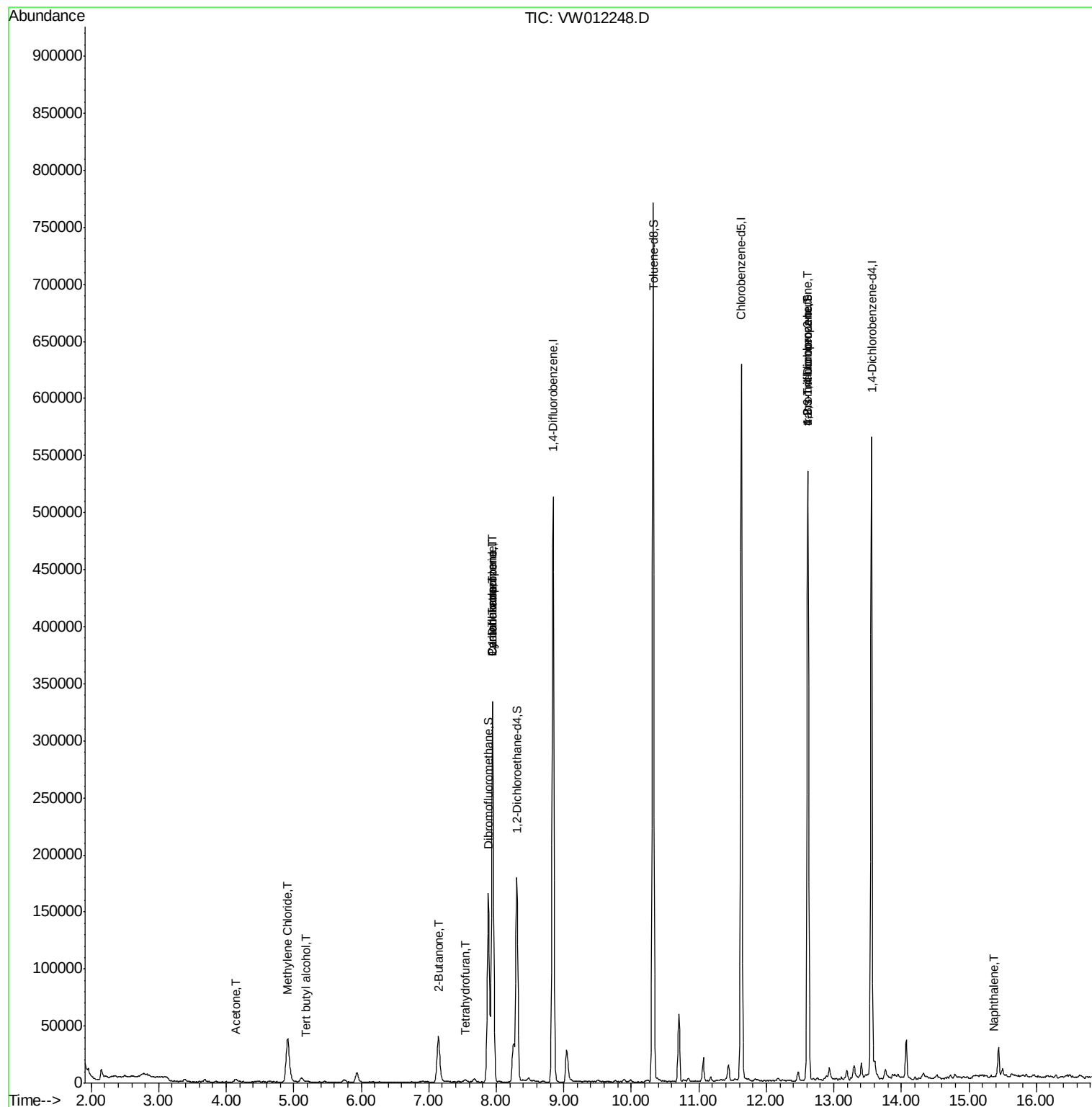
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	229	1.330	ug/l #	71
16) Acetone	4.14	43	5321	7.276	ug/l	96
20) Methylene Chloride	4.91	84	28818	10.424	ug/l	95
25) 2-Butanone	7.14	43	3234	3.254	ug/l #	77
29) Tetrahydrofuran	7.54	42	1812	3.039	ug/l #	69
31) Cyclohexane	7.95	56	5774	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20917	5.021	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24079	6.678	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	85460	61.870	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85460	135.651	ug/l #	6
95) Naphthalene	15.37	128	1137	4.515	ug/l #	93

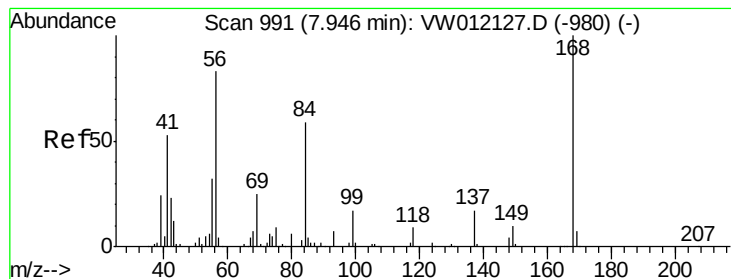
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012248.D

Acq: 28 Aug 2019 12:41

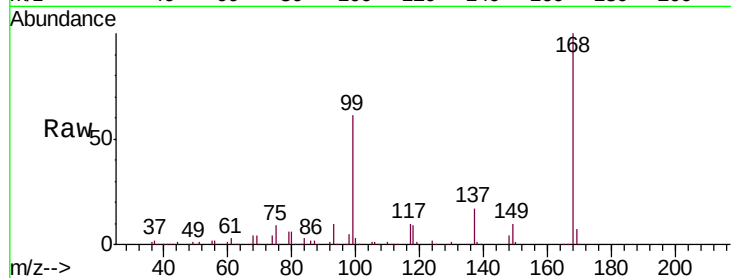
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 240651

Ion Ratio Lower Upper

168 100

99 61.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

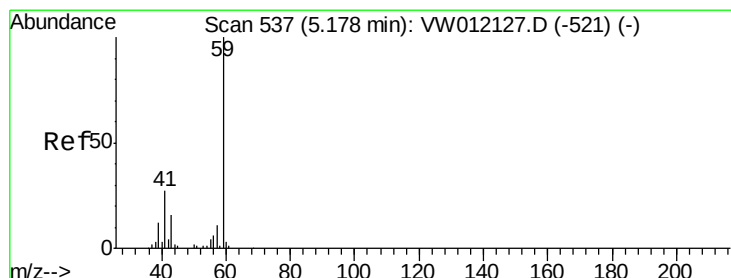
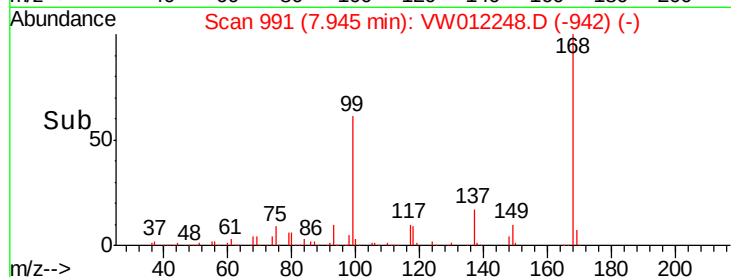
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.330 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW012248.D

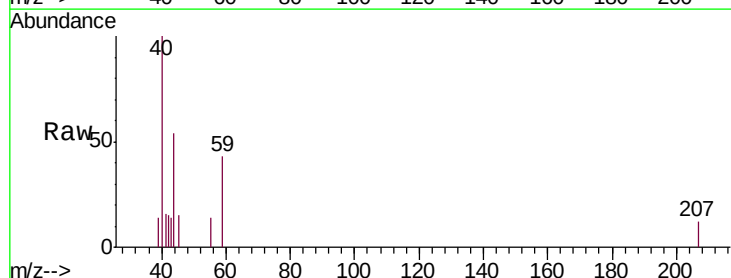
Acq: 28 Aug 2019 12:41

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

300

250

200

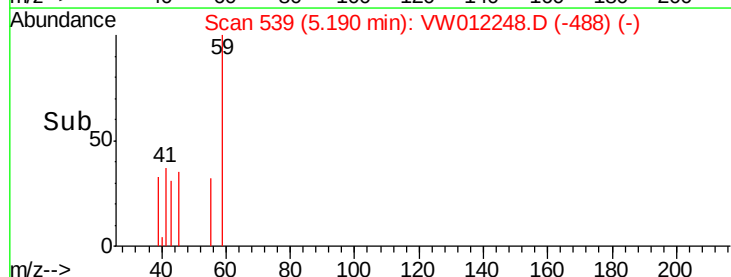
150

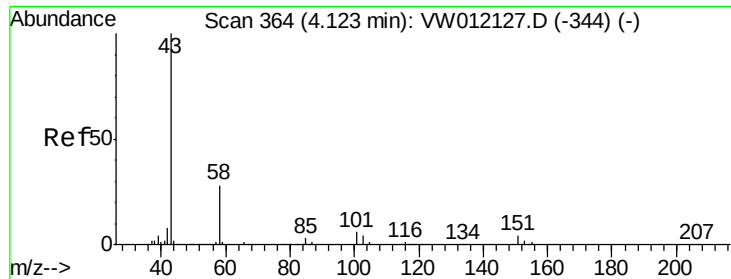
100

50

0

Time--> 5.17 5.18 5.19 5.20 5.21

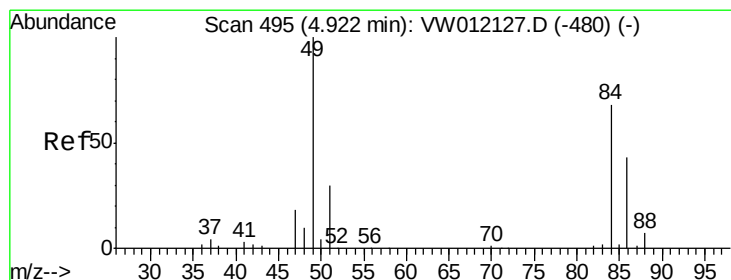
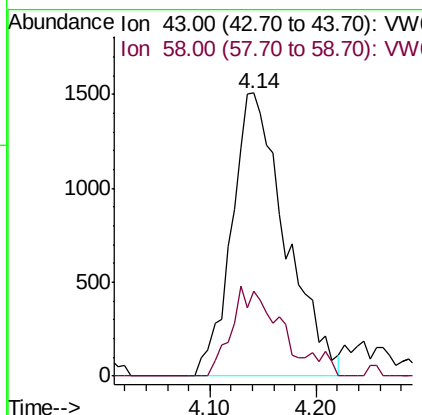
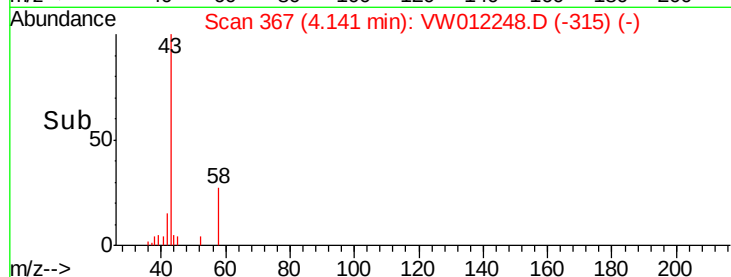
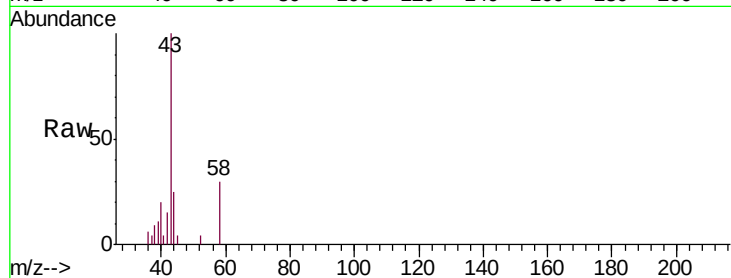




#16
Acetone
Concen: 7.276 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

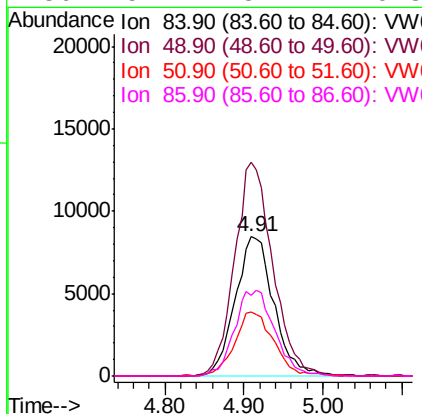
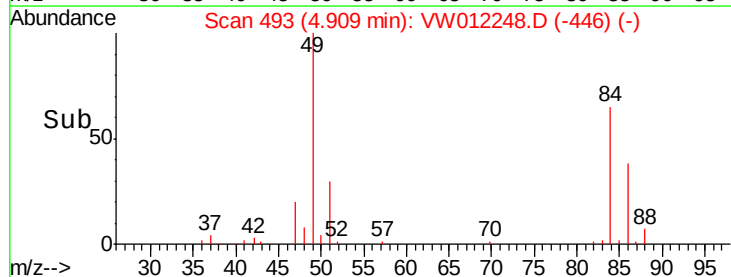
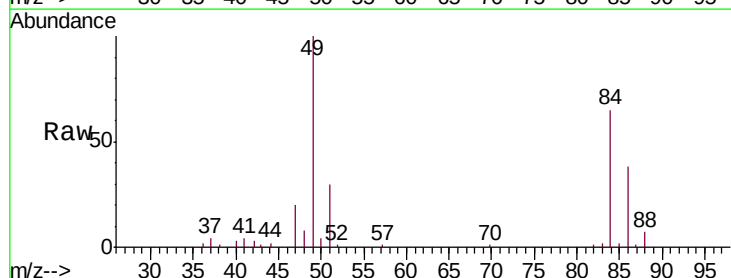
Instrument :
MSVOA_W
ClientSampleId :

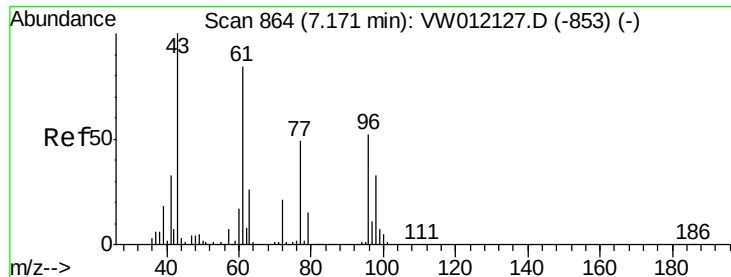
Tot Ion: 43 Resp: 5321
Ion Ratio Lower Upper
43 100
58 30.1 22.4 33.6



#20
Methylene Chloride
Concen: 10.424 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Tgt Ion: 84 Resp: 28818
Ion Ratio Lower Upper
84 100
49 153.2 117.8 176.8
51 44.8 35.6 53.4
86 57.7 51.2 76.8

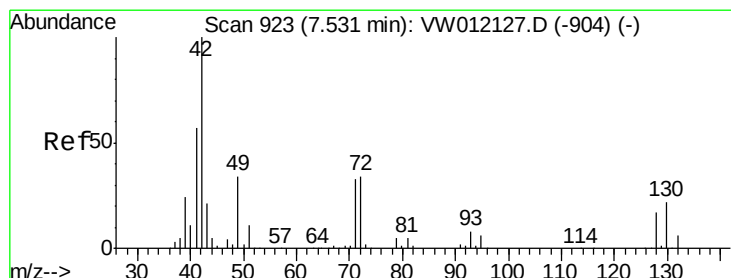
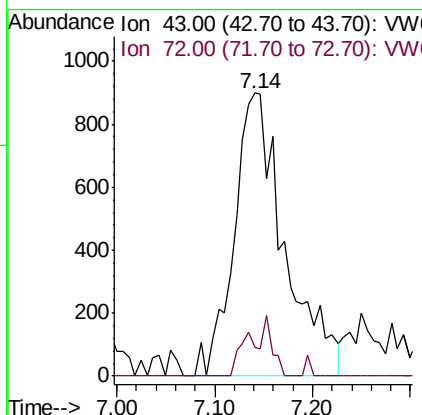
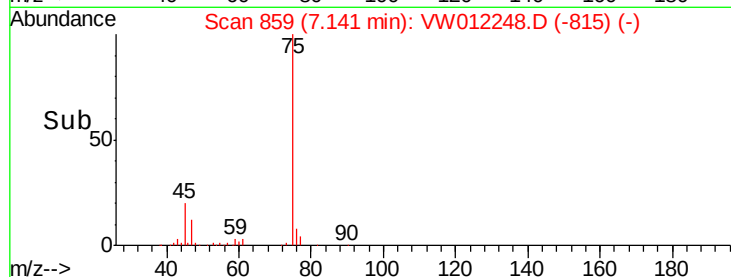
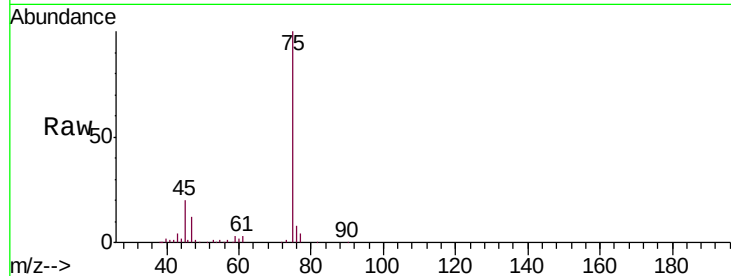




#25
2-Butanone
Concen: 3.254 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

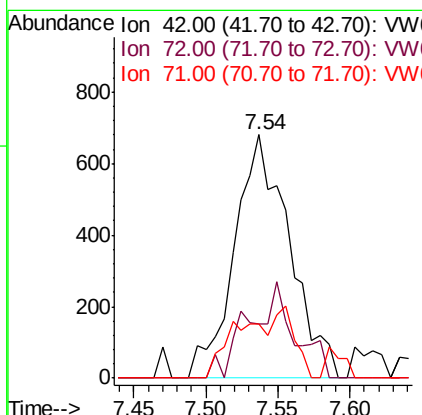
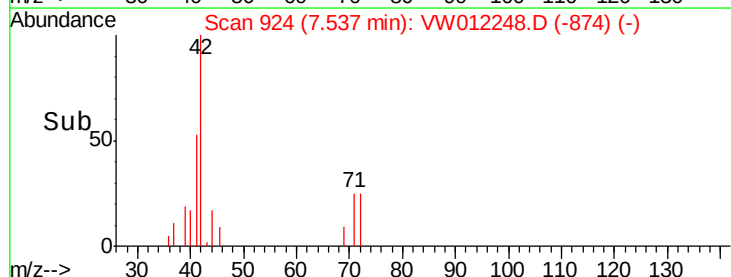
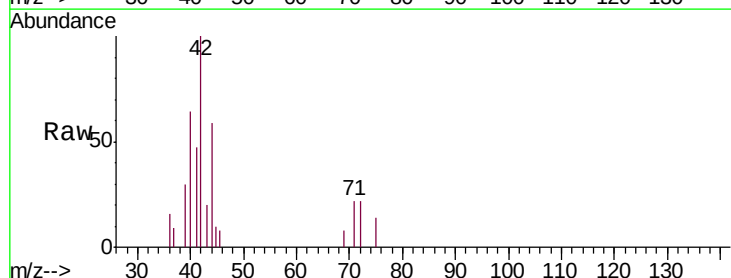
Instrument :
MSVOA_W
ClientSampled :

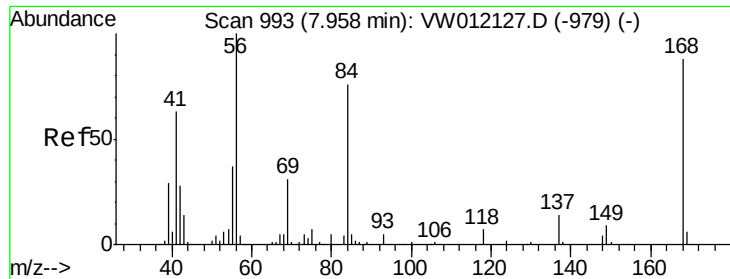
Tot Ion: 43 Resp: 3234
Ion Ratio Lower Upper
43 100
72 10.1 16.6 24.8#



#29
Tetrahydrofuran
Concen: 3.039 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Tgt Ion: 42 Resp: 1812
Ion Ratio Lower Upper
42 100
72 19.4 27.3 40.9#
71 11.3 25.5 38.3#

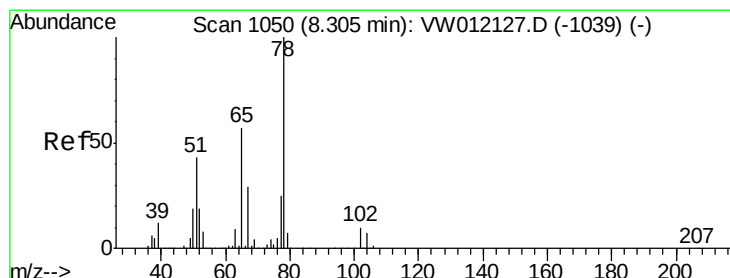
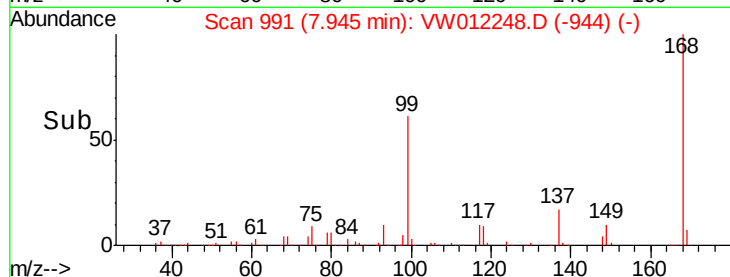
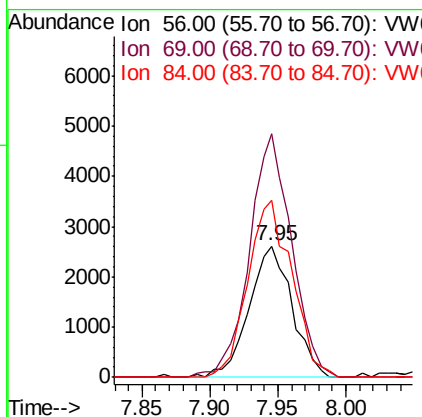
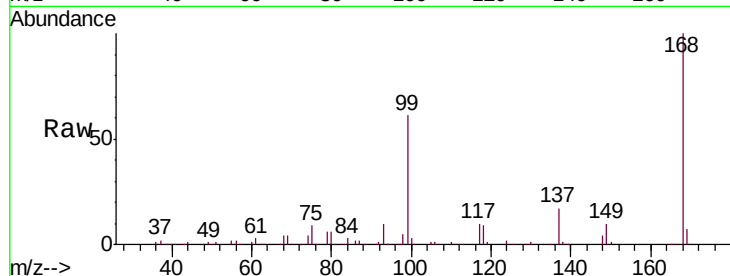




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

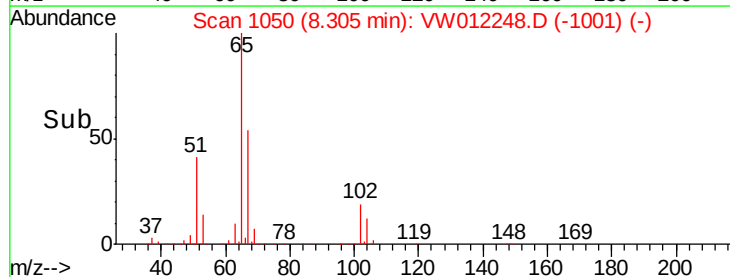
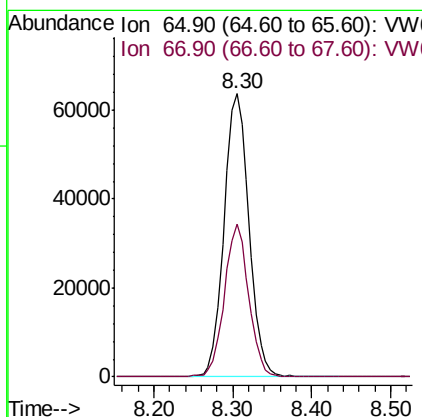
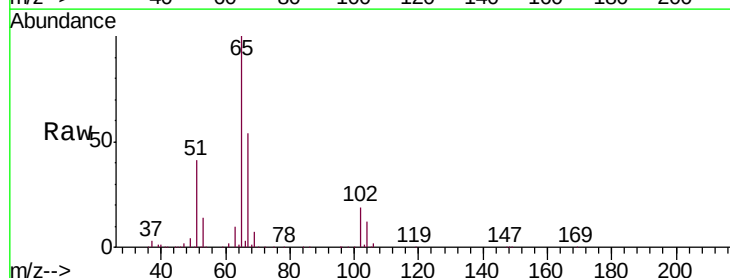
Instrument :
MSVOA_W
ClientSampled :

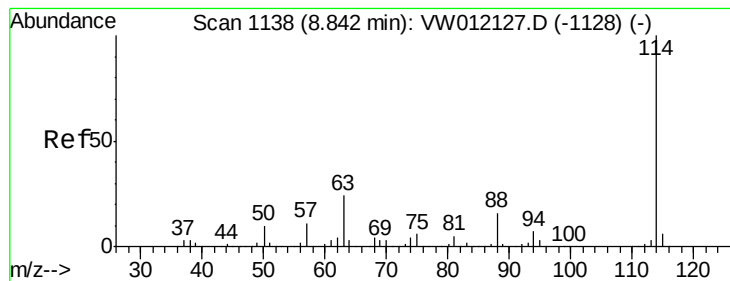
Tot Ion: 56 Resp: 5774
Ion Ratio Lower Upper
56 100
69 185.9 24.9 37.3#
84 135.6 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 48.835 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Tgt Ion: 65 Resp: 139705
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012248.D

Acq: 28 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

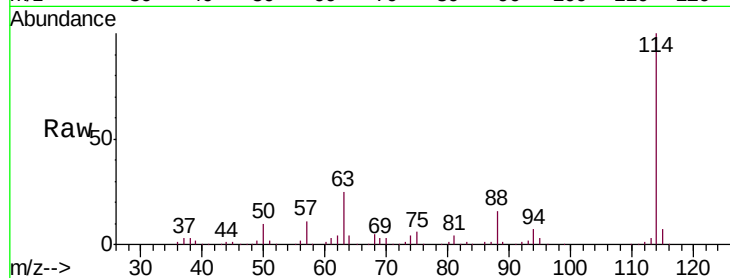
Tot Ion:114 Resp: 403137

Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.6

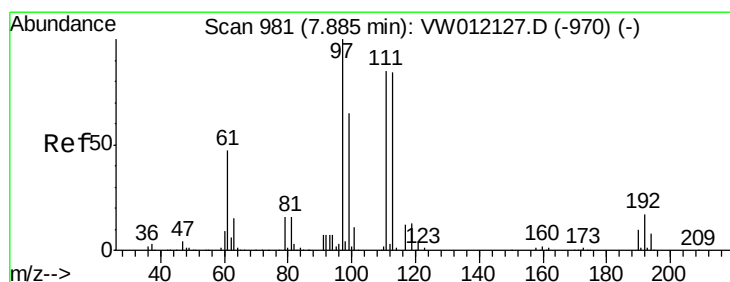
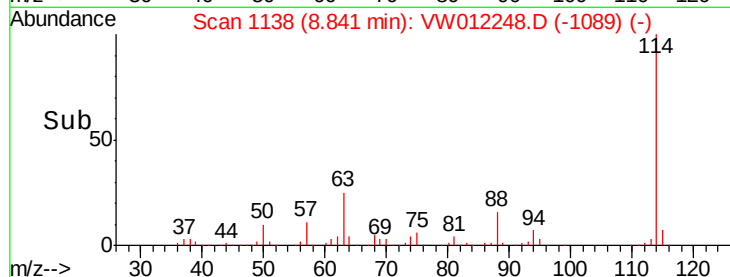
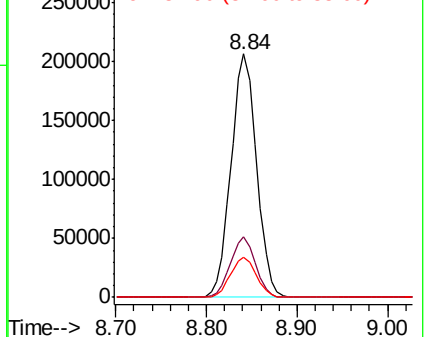
88 16.4 0.0 32.2



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: 48.695 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012248.D

Acq: 28 Aug 2019 12:41

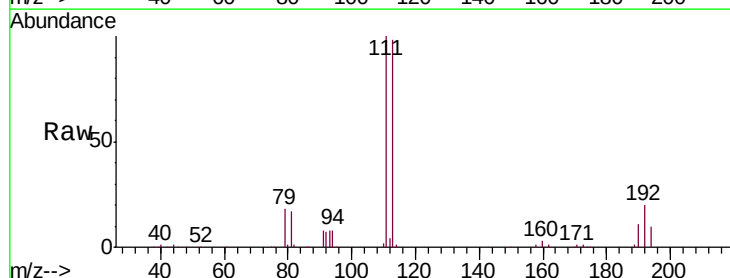
Tgt Ion:113 Resp: 117177

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

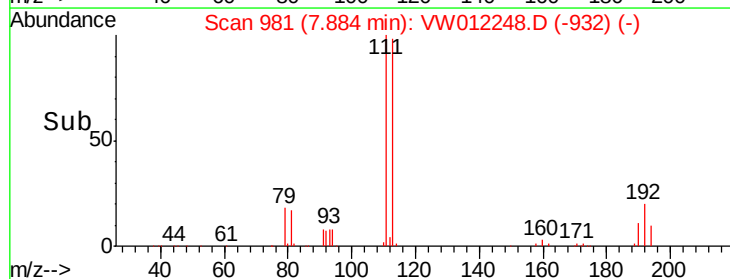
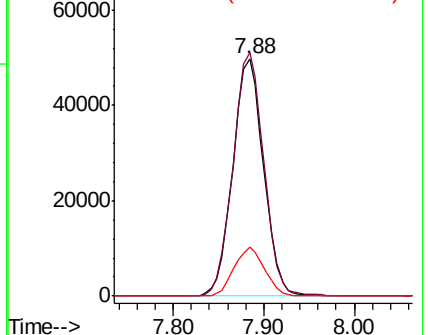
192 20.4 16.2 24.2

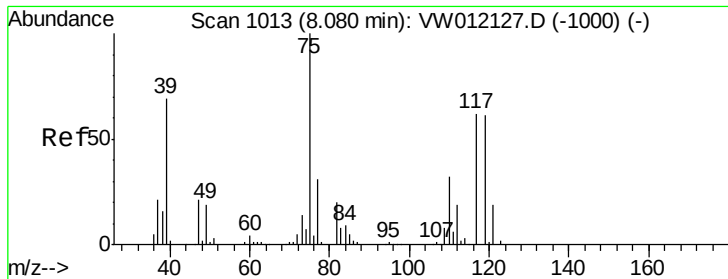


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

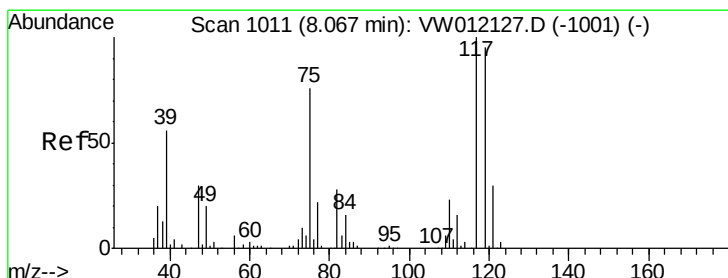
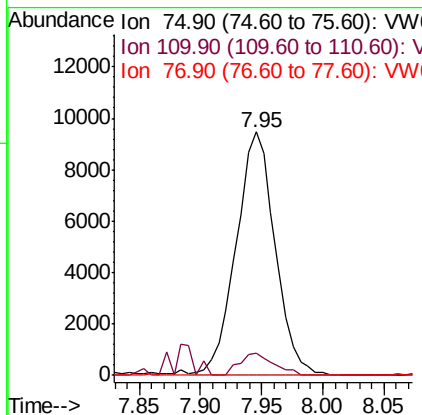
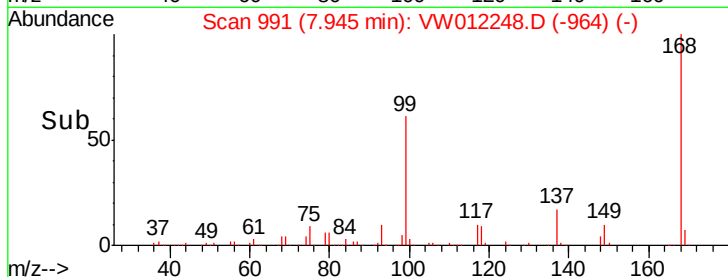
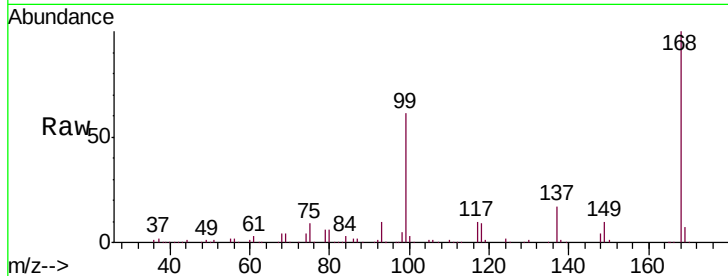




#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012248.D
 Acq: 28 Aug 2019 12:41

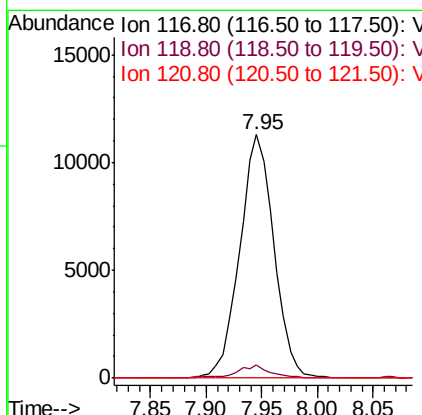
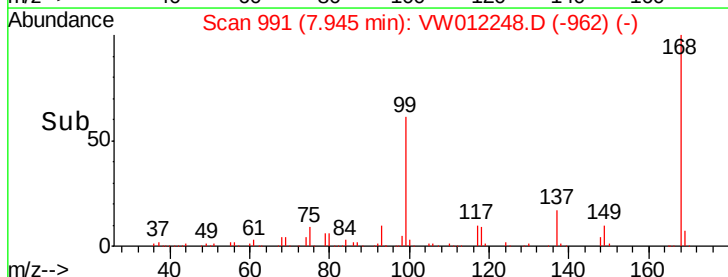
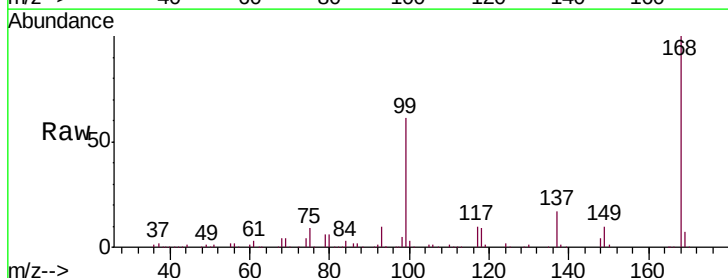
Instrument :
 MSVOA_W
 ClientSampled :

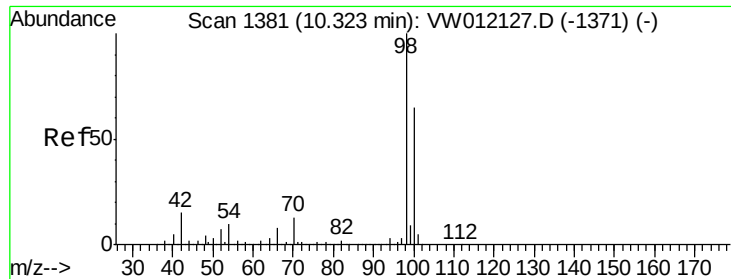
Tot Ion: 75 Resp: 20917
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.678 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012248.D
 Acq: 28 Aug 2019 12:41

Tgt Ion: 117 Resp: 24079
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.2 114.2#
 121 0.0 23.8 35.8#

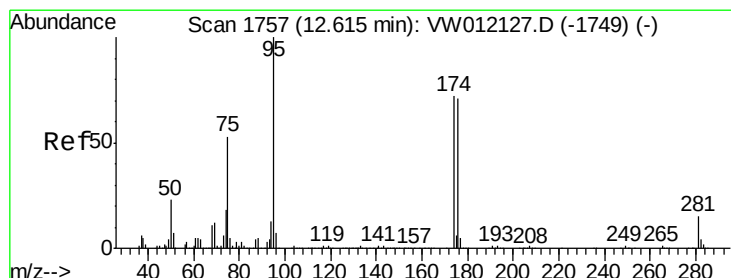
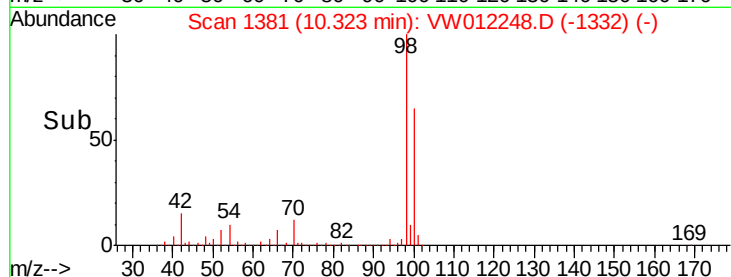
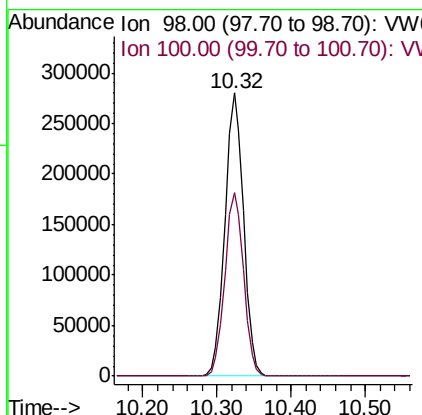
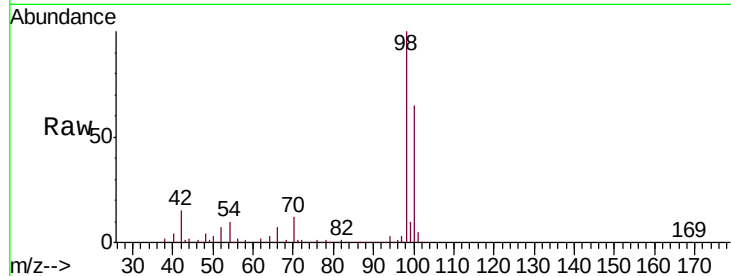




#50
Toluene-d8
Concen: 50.160 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

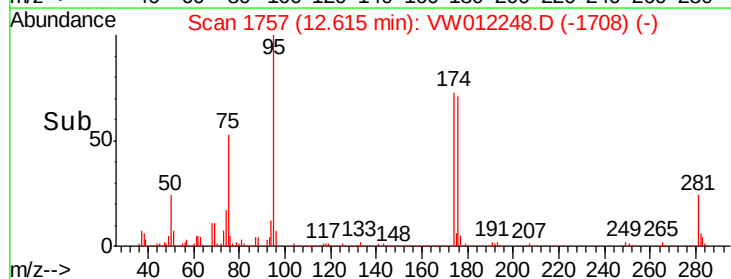
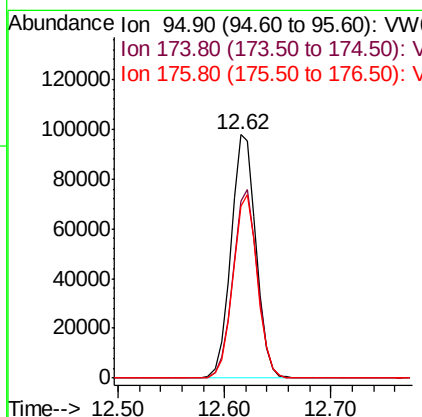
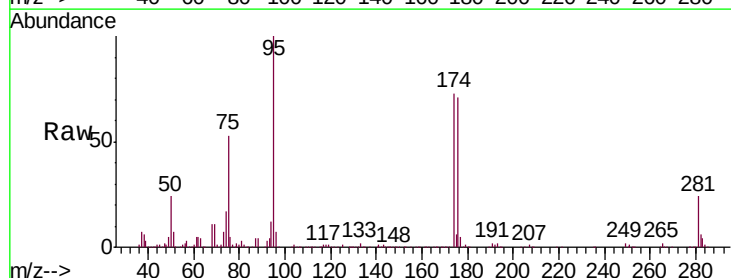
Instrument :
MSVOA_W
ClientSampled :

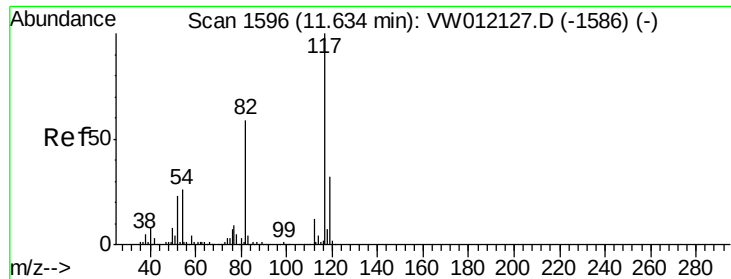
Tot Ion: 98 Resp: 489411
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.752 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Tgt Ion: 95 Resp: 160796
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.8
176 73.9 0.0 148.6

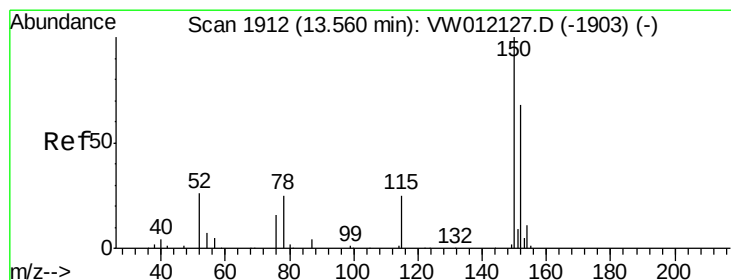
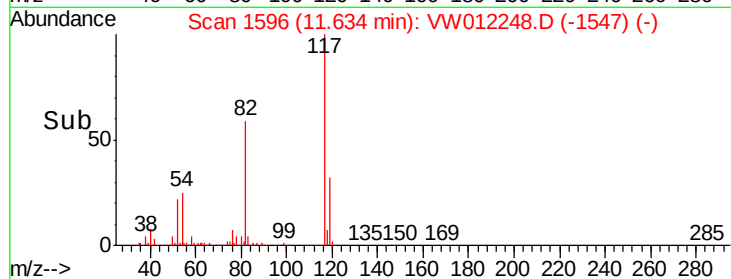
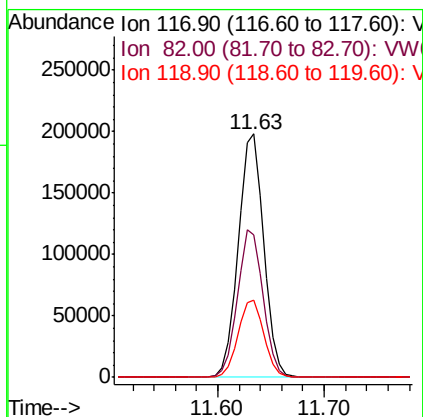
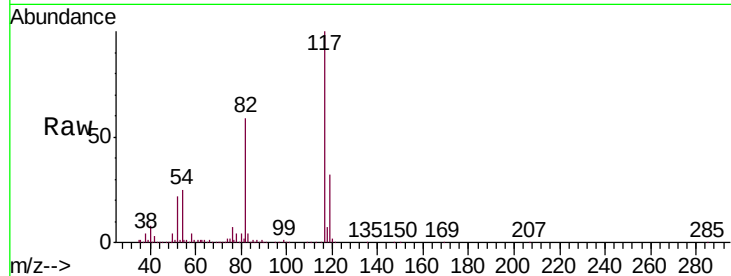




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

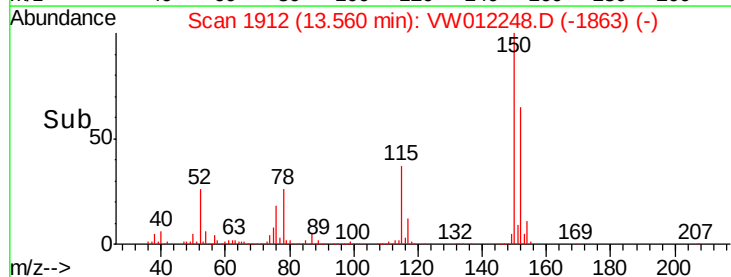
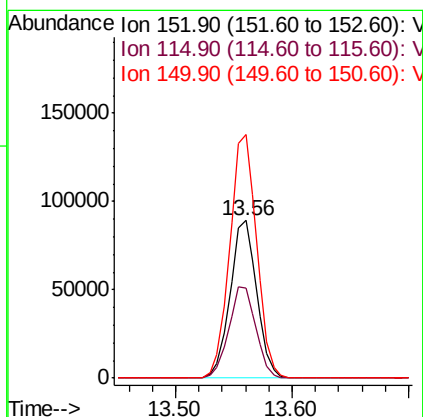
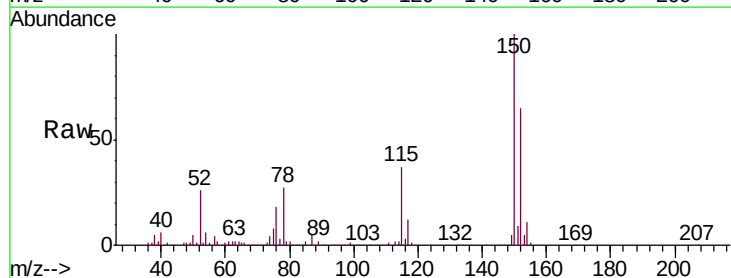
Instrument :
MSVOA_W
ClientSampleId :

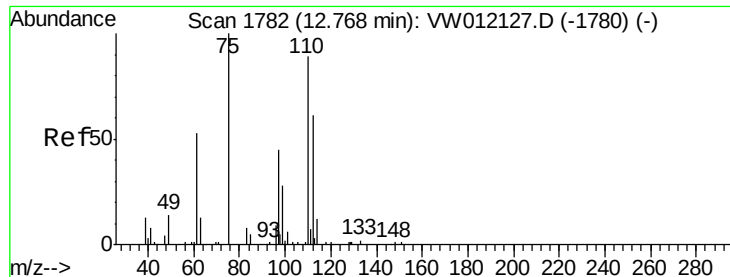
Tot Ion:117 Resp: 333846
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Tgt Ion:152 Resp: 141827
Ion Ratio Lower Upper
152 100
115 59.3 30.1 90.3
150 156.5 0.0 345.8



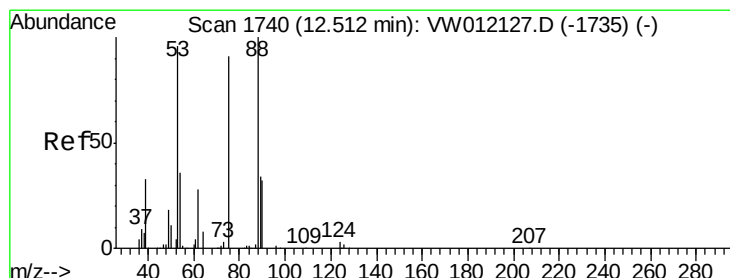
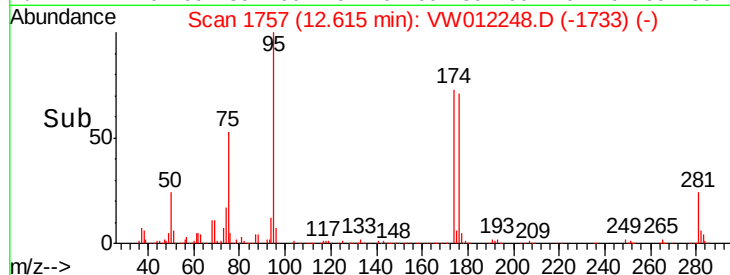
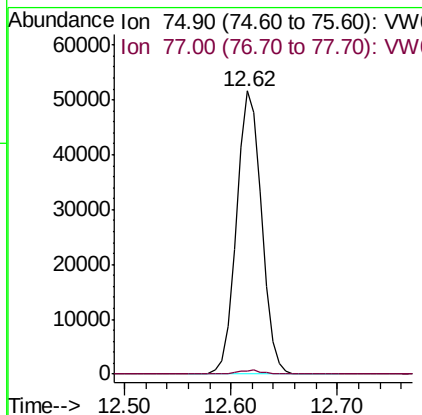
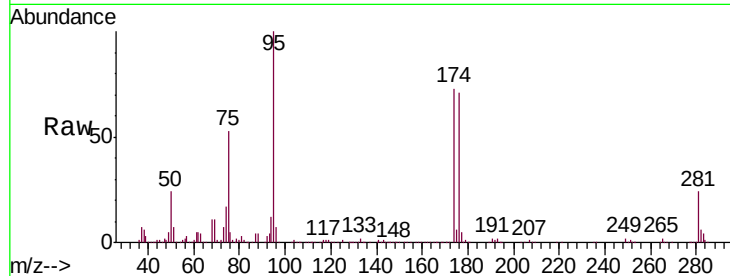


#76

1,2,3-Trichloropropane
Concen: 61.870 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :

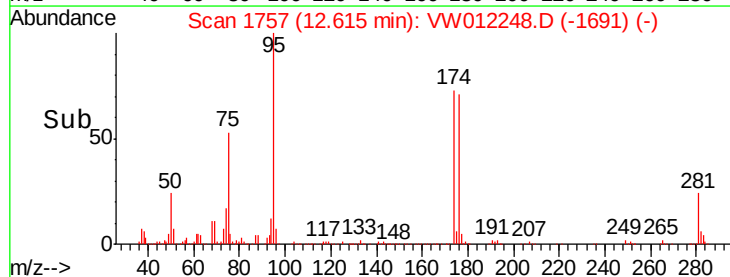
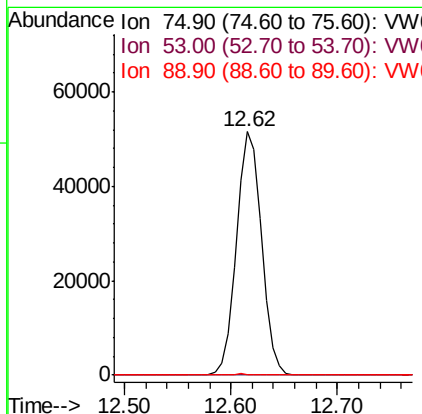
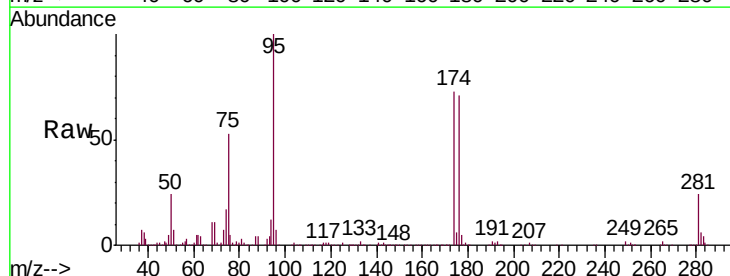
Tot Ion: 75 Resp: 85460
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

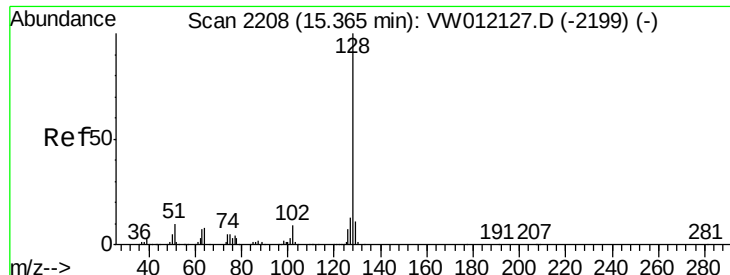


#81

trans-1,4-Dichloro-2-butene
Concen: 135.651 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Tgt Ion: 75 Resp: 85460
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.4 34.5 51.7#

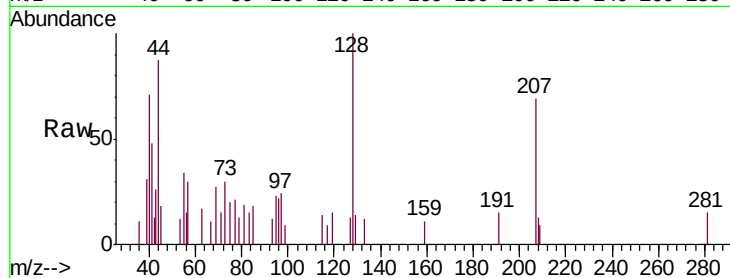




#95
Naphthalene
Concen: 4.515 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012248.D
Acq: 28 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
128	100			
127	14.3	10.7	16.1	
129	16.1	8.7	13.1	



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

