

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121420\
 Data File : VW017618.D
 Acq On : 14 Dec 2020 18:16
 Operator : SY/VA
 Sample : L5048-01
 Misc : 5.74G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 15 03:28:49 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 14 12:39:23 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

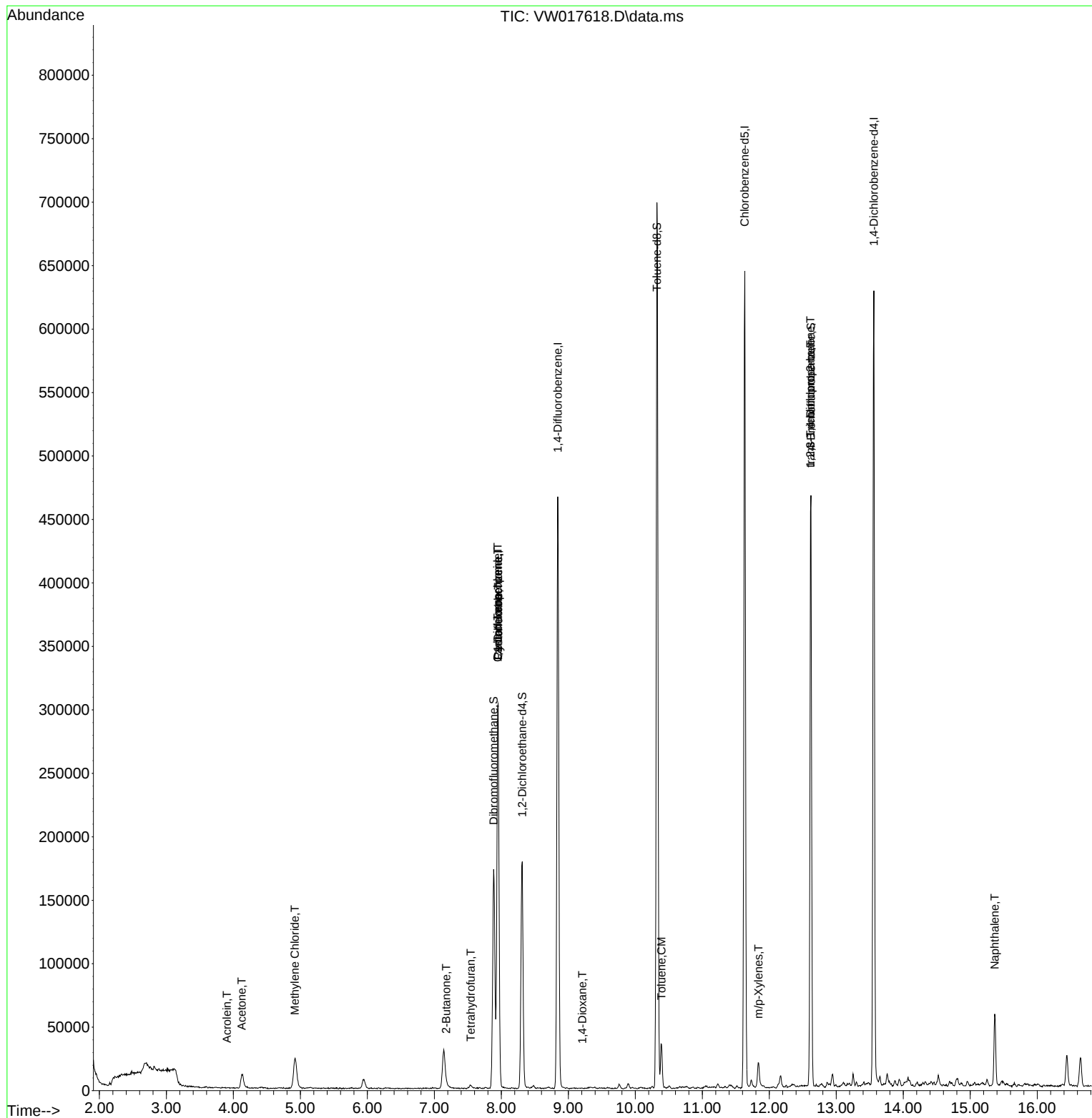
Internal Standards						
1) Pentafluorobenzene	7.952	168	210343	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.842	114	375113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	336454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	147091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	141191	55.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.22%	
35) Dibromofluoromethane	7.885	113	120743	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	10.323	98	454063	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.622	95	154197	44.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.38%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.214	59	204	Below Cal	#	1
13) Acrolein	3.904	56	167	1.08	ug/l #	15
16) Acetone	4.123	43	20840	37.38	ug/l	93
20) Methylene Chloride	4.916	84	18674	2.51	ug/l	88
25) 2-Butanone	7.177	43	3849	5.18	ug/l #	78
26) 2,2-Dichloropropane	7.141	77	2156	Below Cal	#	50
29) Tetrahydrofuran	7.543	42	2218	5.31	ug/l	91
31) Cyclohexane	7.952	56	5827	1.32	ug/l #	30
36) 1,1-Dichloropropene	7.946	75	19384	4.94	ug/l #	48
38) Carbon Tetrachloride	7.946	117	23454	5.94	ug/l #	13
49) 1,4-Dioxane	9.207	88	22	1.24	ug/l #	16
52) Toluene	10.390	92	14503	2.13	ug/l	98
68) m/p-Xylenes	11.841	106	5602	1.09	ug/l	93
76) 1,2,3-Trichloropropane	12.615	75	86151	60.84	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.615	75	86151	123.28	ug/l #	11
95) Naphthalene	15.365	128	45602	7.90	ug/l	98

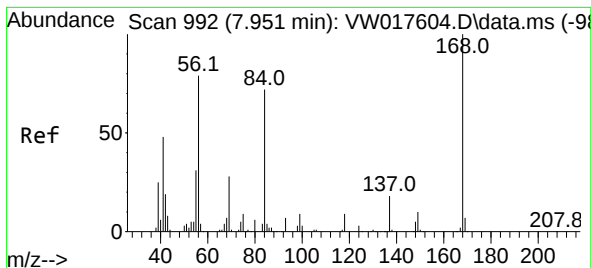
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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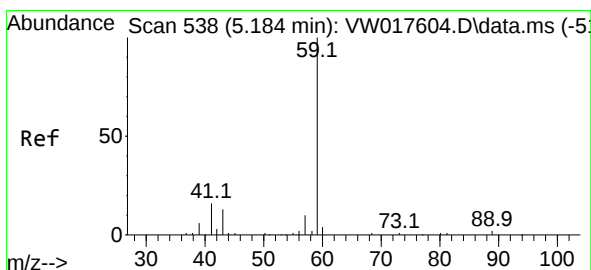
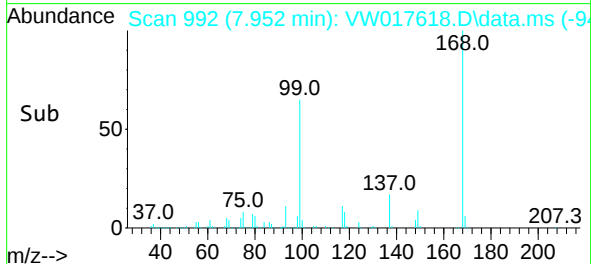
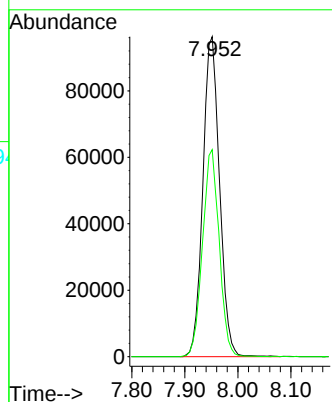
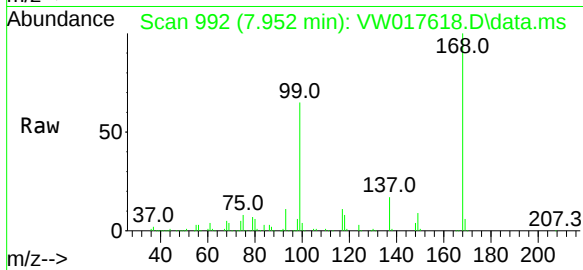




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.001 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

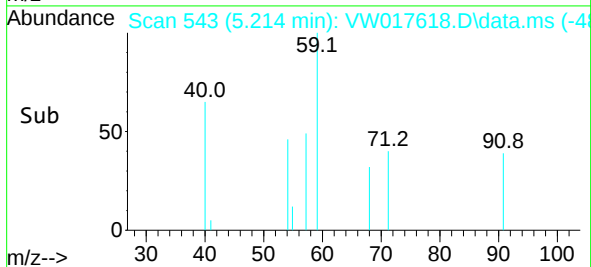
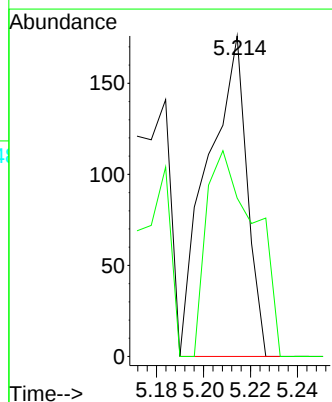
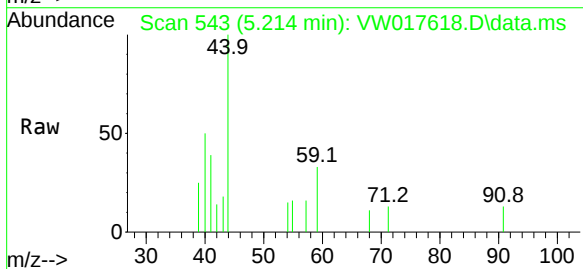
Instrument :
MSVOA_W
ClientSampleId :

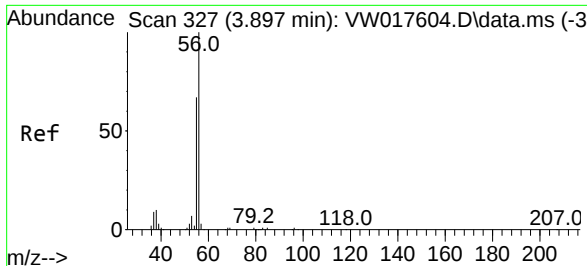
Tgt Ion:168 Resp: 210343
Ion Ratio Lower Upper
168 100
99 64.7 40.7 61.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 543
Delta R.T. 0.030 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 79.4 4.7 7.1#

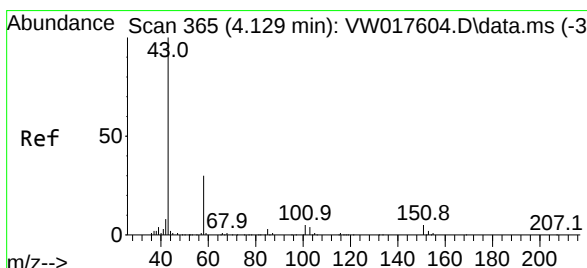
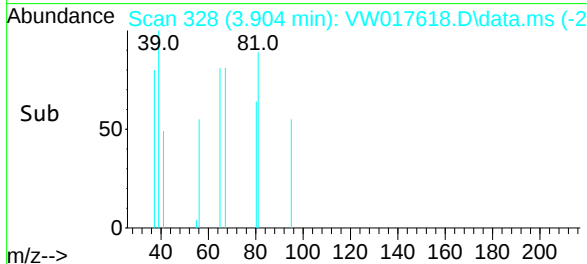
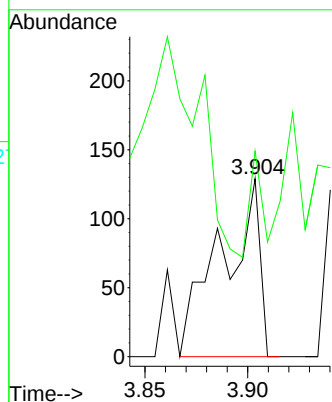
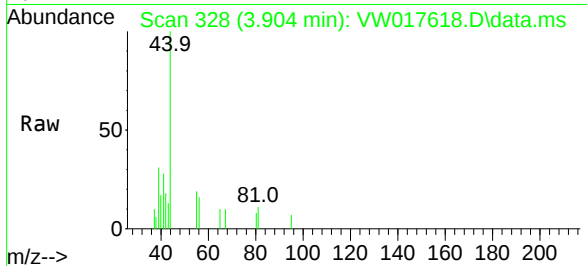




#13
Acrolein
Concen: 1.08 ug/l
RT: 3.904 min Scan# 328
Delta R.T. 0.007 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

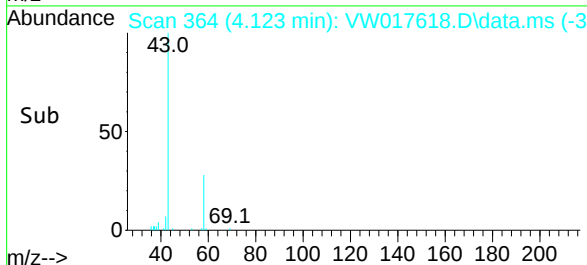
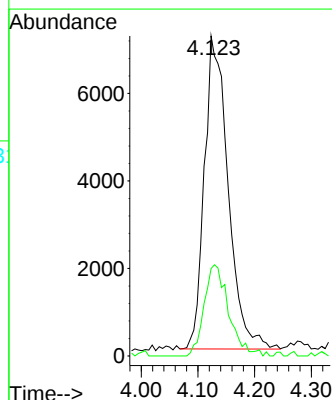
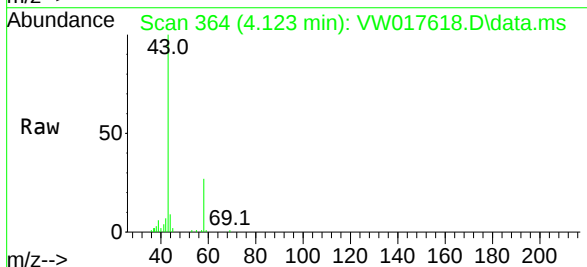
Instrument :
MSVOA_W
ClientSampleId :

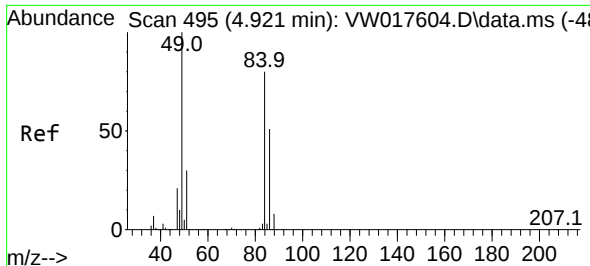
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#



#16
Acetone
Concen: 37.38 ug/l
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion: 43 Resp: 20840
Ion Ratio Lower Upper
43 100
58 27.9 25.7 38.5

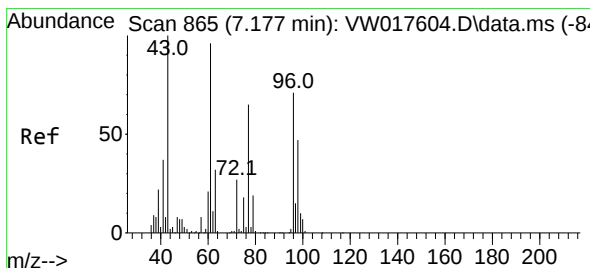
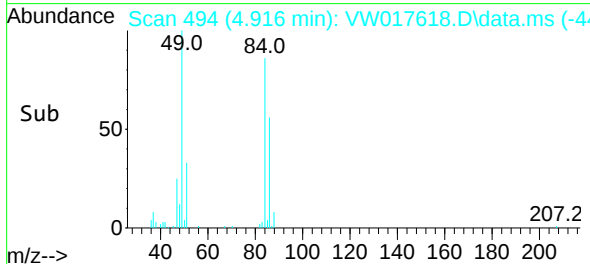
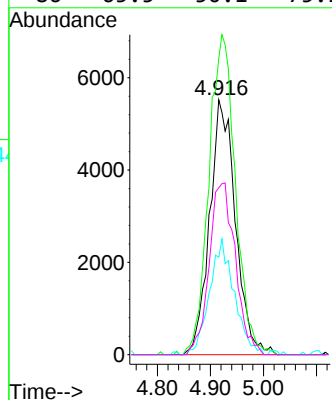
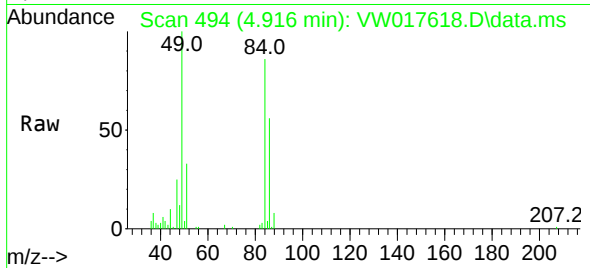




#20
Methylene Chloride
Concen: 2.51 ug/l
RT: 4.916 min Scan# 494
Delta R.T. -0.005 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

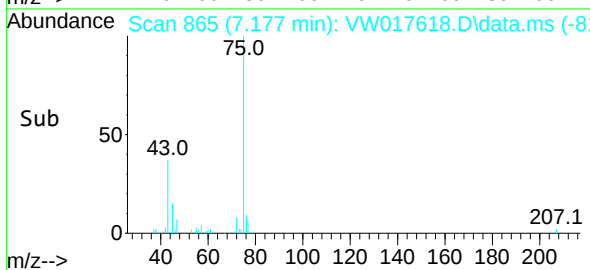
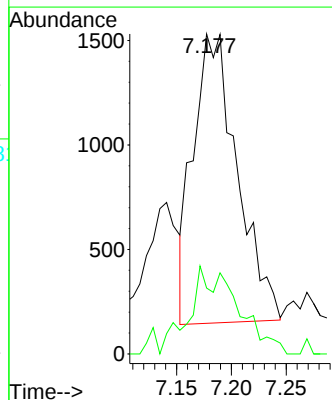
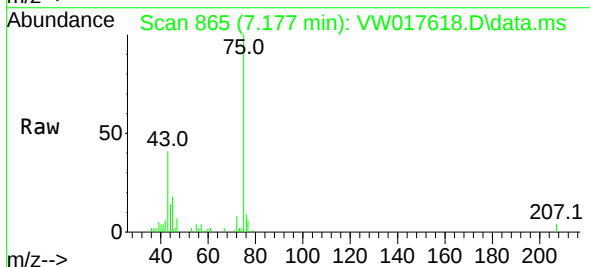
Instrument :
MSVOA_W
ClientSampleId :

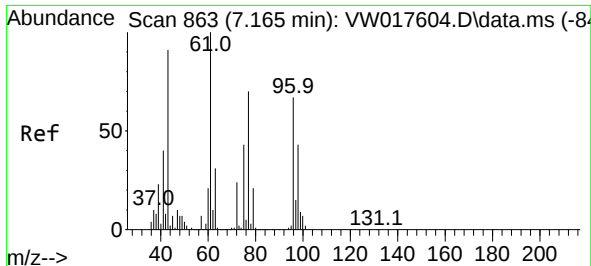
Tgt Ion:	84	Resp:	18674
Ion	Ratio	Lower	Upper
84	100		
49	116.2	79.0	118.6
51	38.2	26.1	39.1
86	65.5	50.1	75.1



#25
2-Butanone
Concen: 5.18 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion:	43	Resp:	3849
Ion	Ratio	Lower	Upper
43	100		
72	19.4	25.4	38.2#

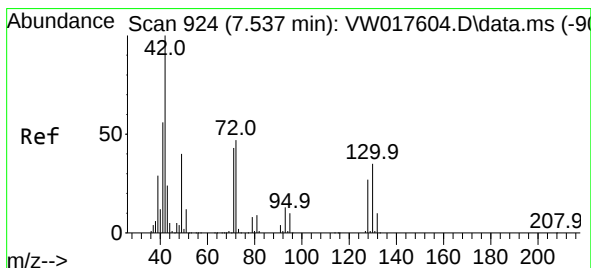
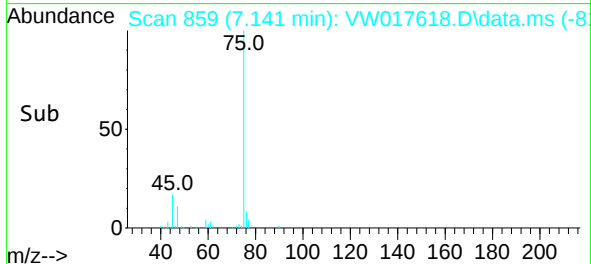
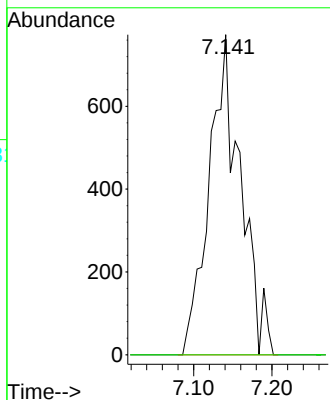
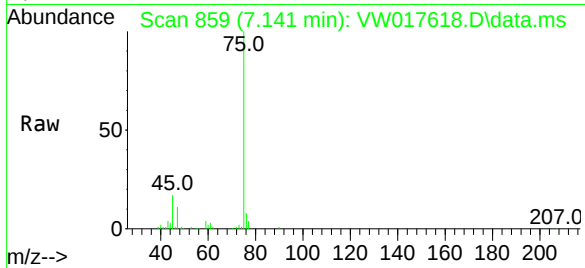




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.141 min Scan# 859
Delta R.T. -0.024 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

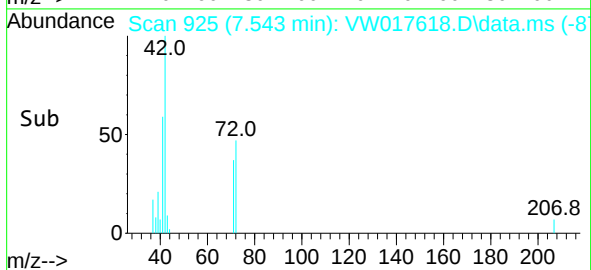
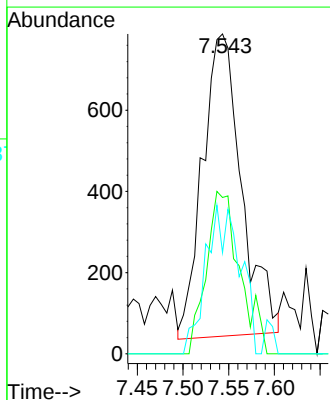
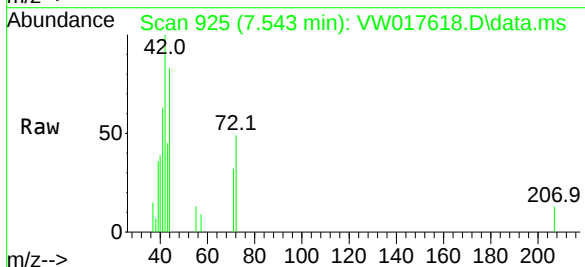
Instrument :
MSVOA_W
ClientSampled :

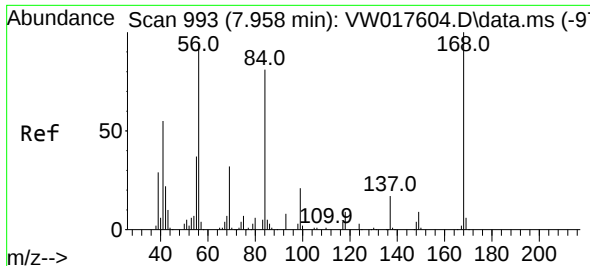
Tgt Ion: 77 Resp: 2156
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#



#29
Tetrahydrofuran
Concen: 5.31 ug/l
RT: 7.543 min Scan# 925
Delta R.T. 0.006 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion: 42 Resp: 2218
Ion Ratio Lower Upper
42 100
72 45.9 42.0 63.0
71 42.9 39.0 58.6

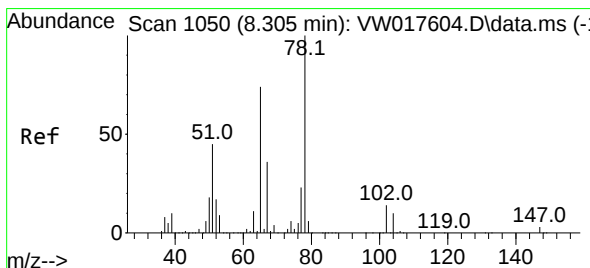
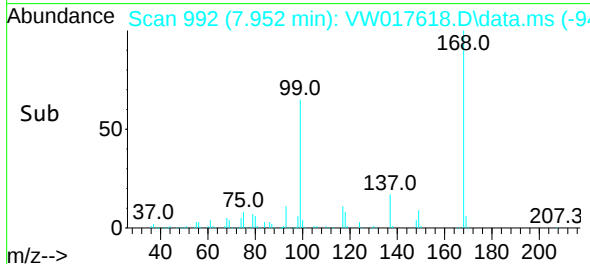
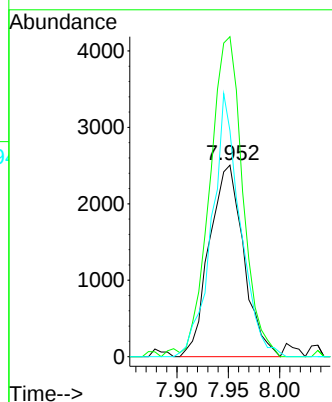
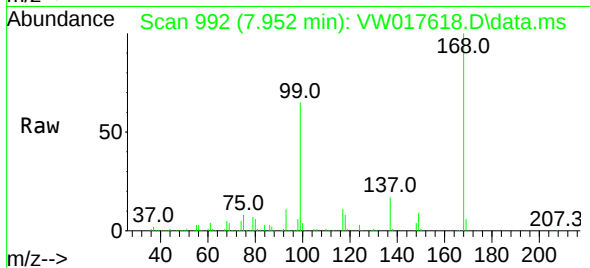




#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

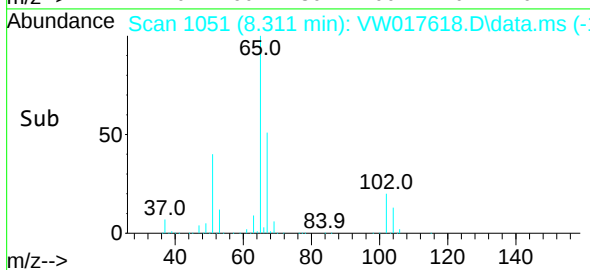
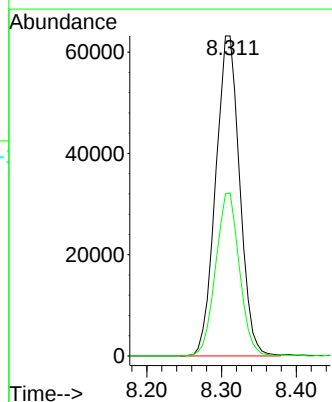
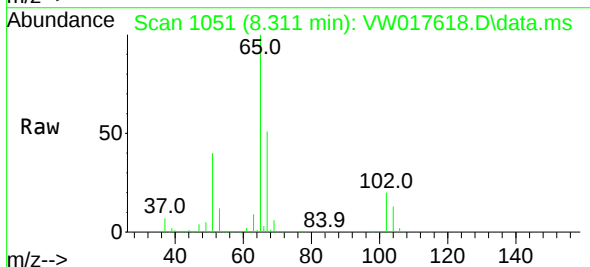
Instrument :
MSVOA_W
ClientSampleId :

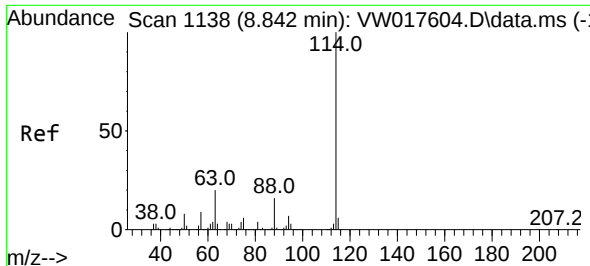
Tgt Ion: 56 Resp: 5827
Ion Ratio Lower Upper
56 100
69 167.1 29.3 43.9#
84 116.0 80.5 120.7



#33
1,2-Dichloroethane-d4
Concen: 55.11 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion: 65 Resp: 141191
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.8

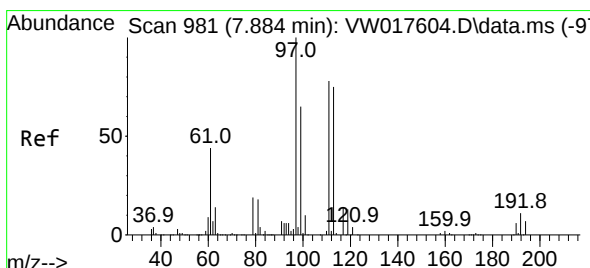
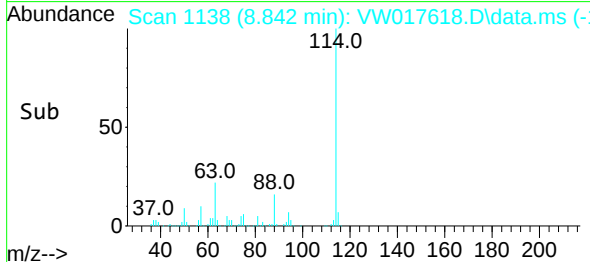
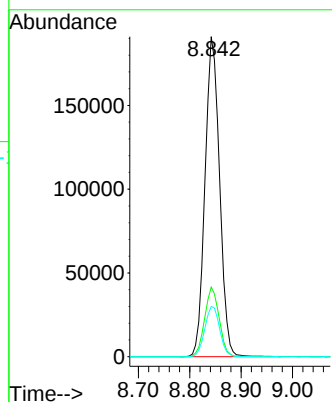
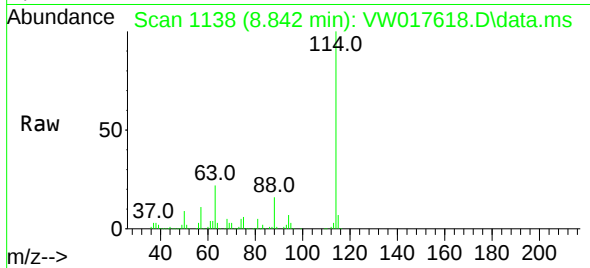




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

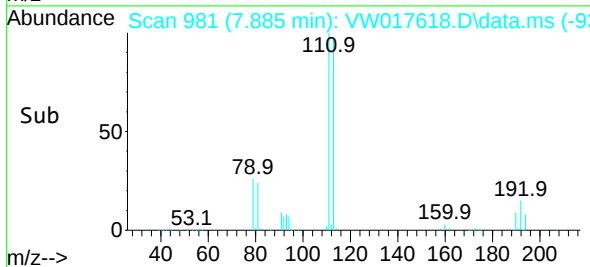
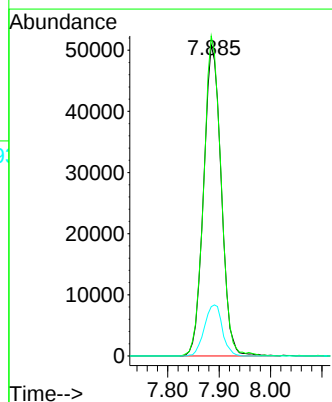
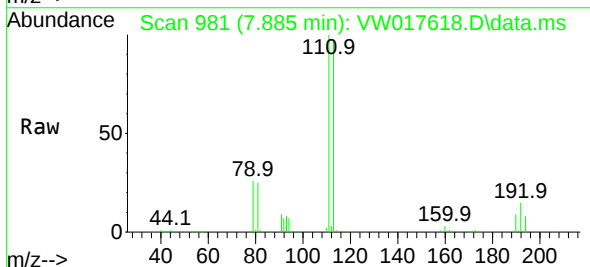
Instrument :
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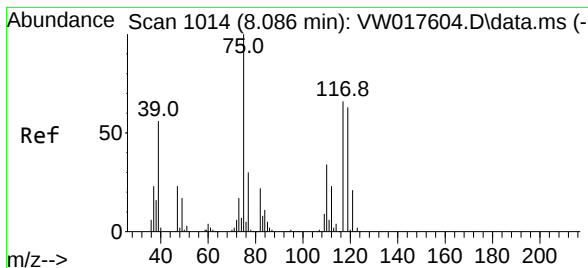
Tgt Ion:114 Resp: 375113
Ion Ratio Lower Upper
114 100
63 21.7 0.0 35.6
88 15.7 0.0 30.4



#35
Dibromofluoromethane
Concen: 48.64 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.001 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

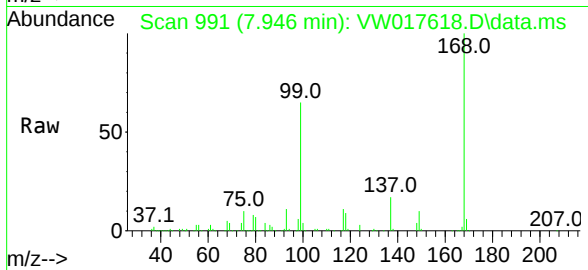
Tgt Ion:113 Resp: 120743
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.2
192 16.7 17.8 26.8#



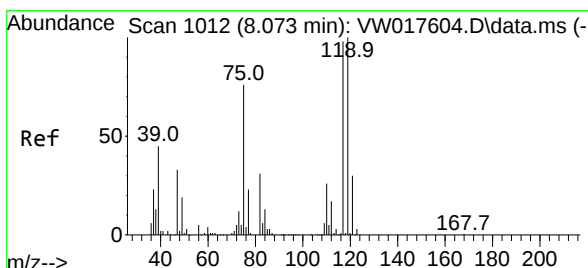
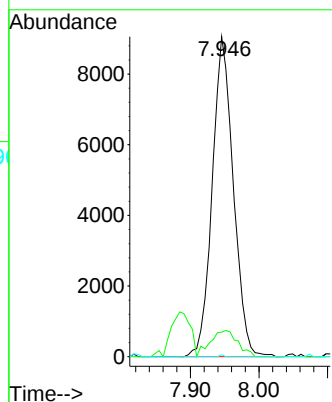
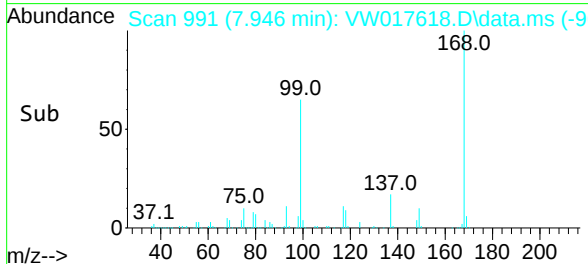


#36
 1,1-Dichloropropene
 Concen: 4.94 ug/l
 RT: 7.946 min Scan# 991
 Delta R.T. -0.140 min
 Lab File: VW017618.D
 Acq: 14 Dec 2020 18:16

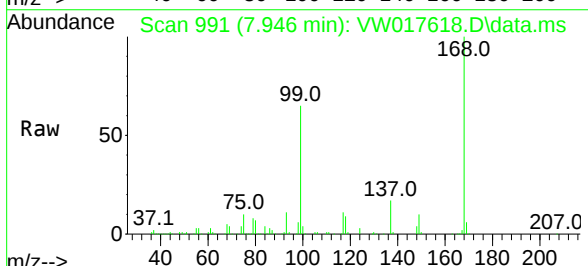
Instrument :
 MSVOA_W
 ClientSampleId :



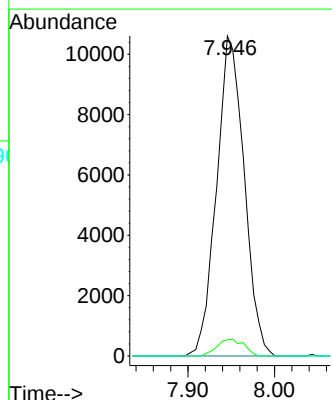
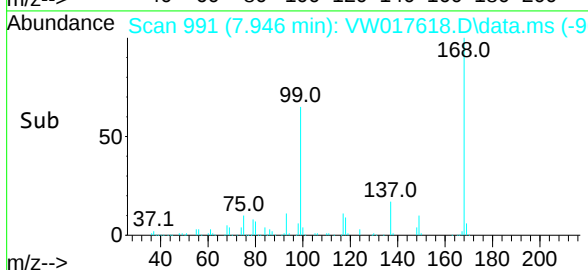
Tgt Ion: 75 Resp: 19384
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.3 57.9#
 77 0.1 25.0 37.6#

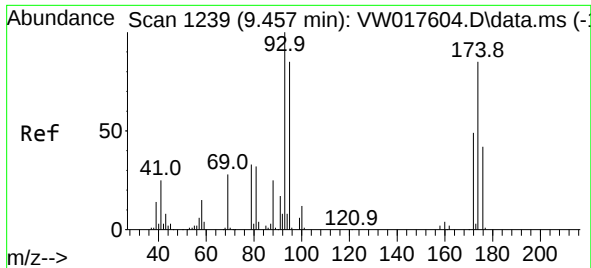


#38
 Carbon Tetrachloride
 Concen: 5.94 ug/l
 RT: 7.946 min Scan# 991
 Delta R.T. -0.127 min
 Lab File: VW017618.D
 Acq: 14 Dec 2020 18:16



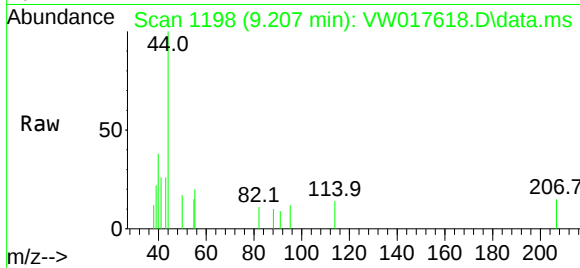
Tgt Ion: 117 Resp: 23454
 Ion Ratio Lower Upper
 117 100
 119 5.0 81.6 122.4#
 121 0.0 25.7 38.5#



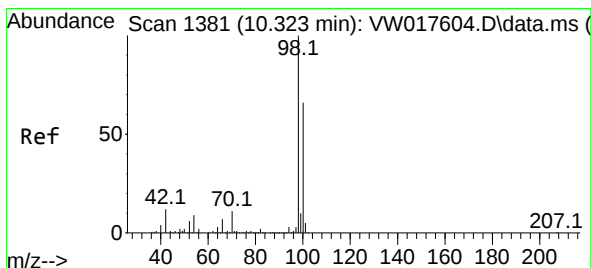
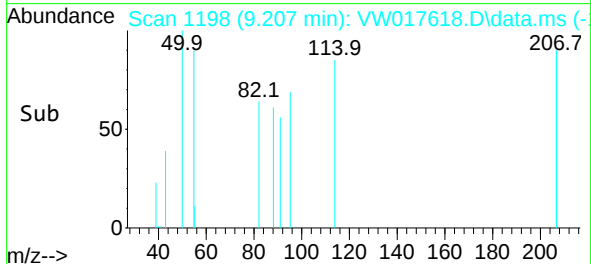
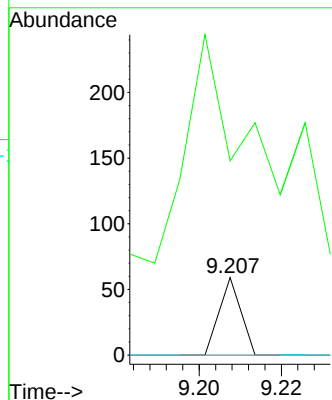


#49
1,4-Dioxane
Concen: 1.24 ug/l
RT: 9.207 min Scan# 1198
Delta R.T. -0.250 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Instrument :
MSVOA_W
ClientSampleId :

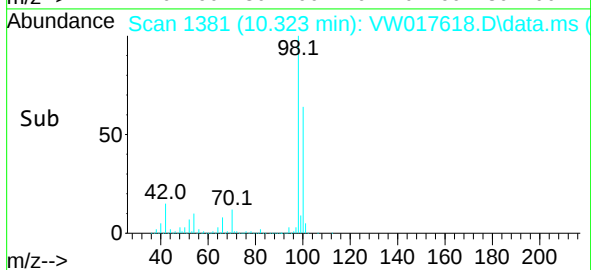
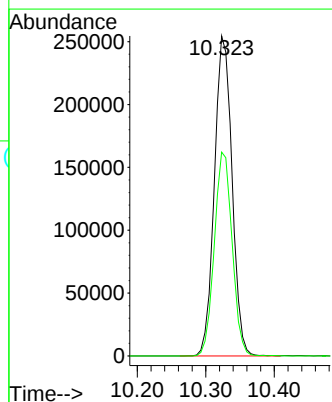
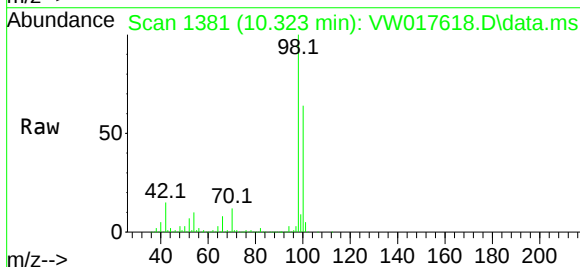


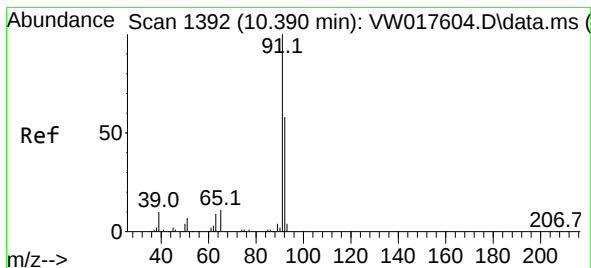
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 977.3 0.0 0.0#
58 0.0 54.0 81.0#



#50
Toluene-d8
Concen: 46.98 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion: 98 Resp: 454063
Ion Ratio Lower Upper
98 100
100 64.3 53.3 79.9

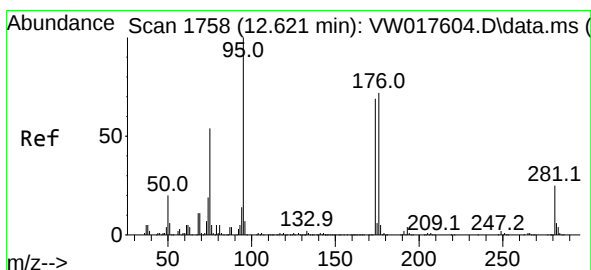
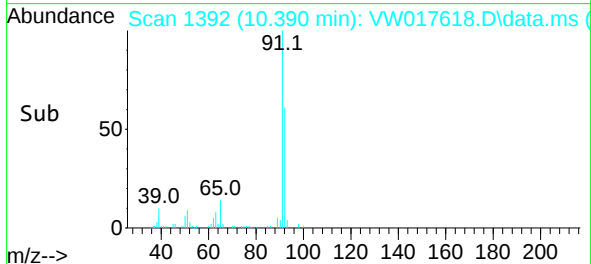
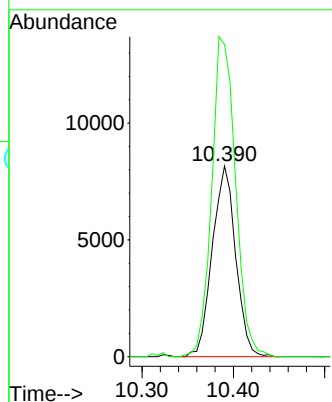
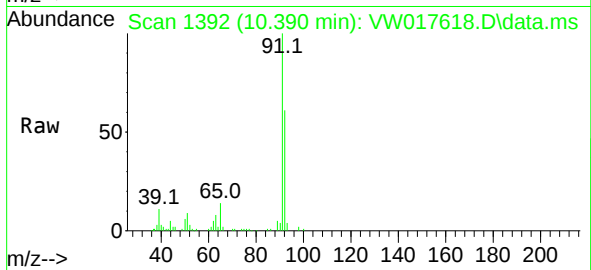




#52
Toluene
Concen: 2.13 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

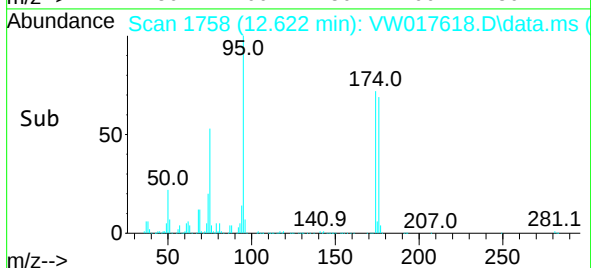
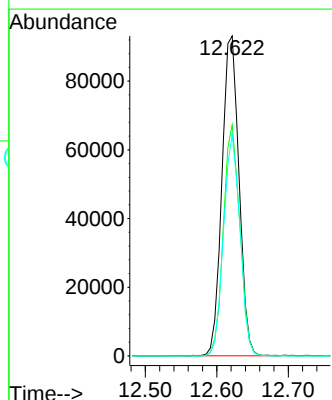
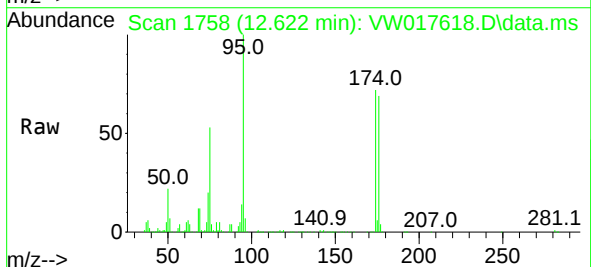
Instrument :
MSVOA_W
ClientSampled :

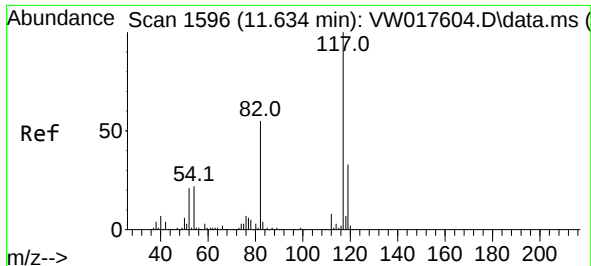
Tgt Ion: 92 Resp: 14503
Ion Ratio Lower Upper
92 100
91 171.2 134.7 202.1



#62
4-Bromofluorobenzene
Concen: 44.69 ug/l
RT: 12.622 min Scan# 1758
Delta R.T. 0.001 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

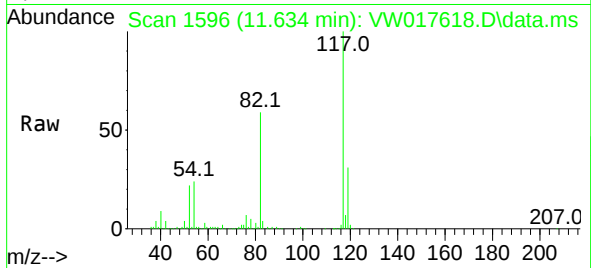
Tgt Ion: 95 Resp: 154197
Ion Ratio Lower Upper
95 100
174 69.7 0.0 180.6
176 66.8 0.0 177.6



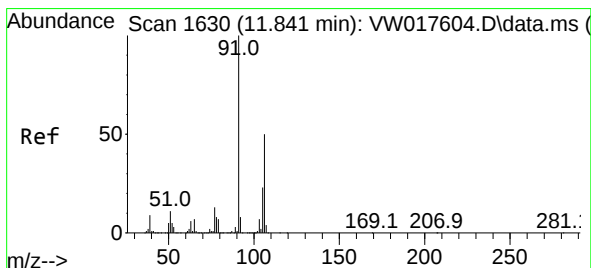
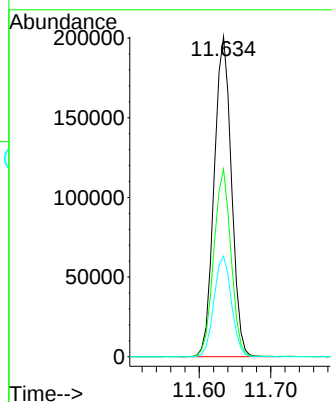
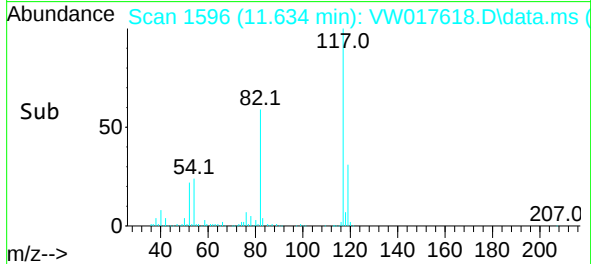


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

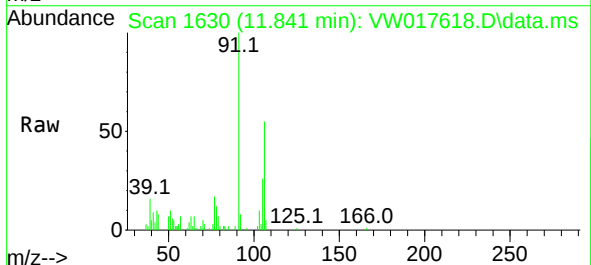
Instrument :
MSVOA_W
ClientSampleId :



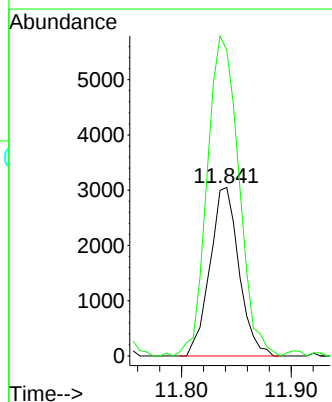
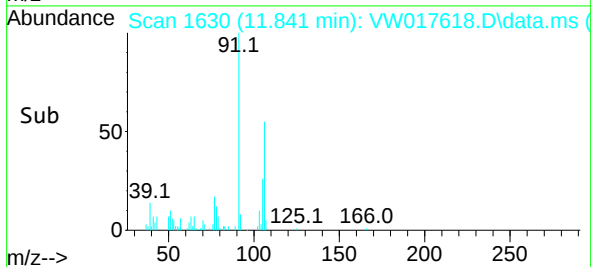
Tgt Ion:117 Resp: 336454
Ion Ratio Lower Upper
117 100
82 58.6 40.7 61.1
119 31.4 25.0 37.4

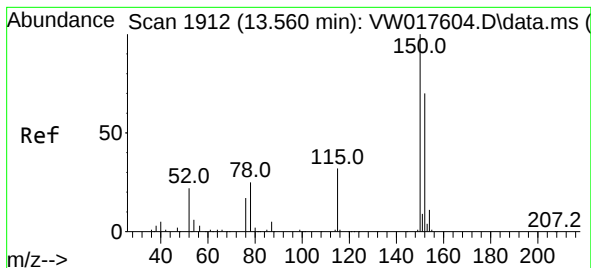


#68
m/p-Xylenes
Concen: 1.09 ug/l
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16



Tgt Ion:106 Resp: 5602
Ion Ratio Lower Upper
106 100
91 207.7 157.4 236.0

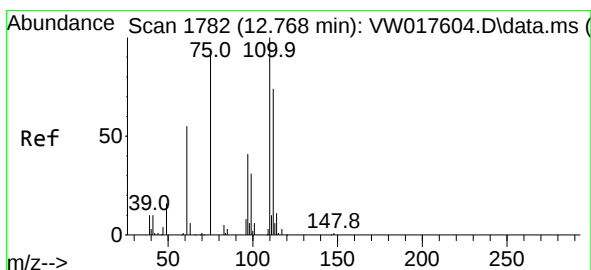
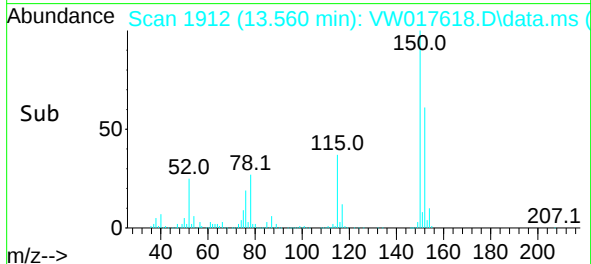
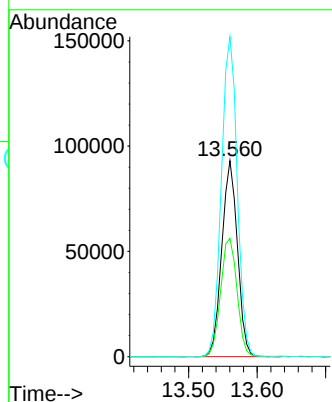
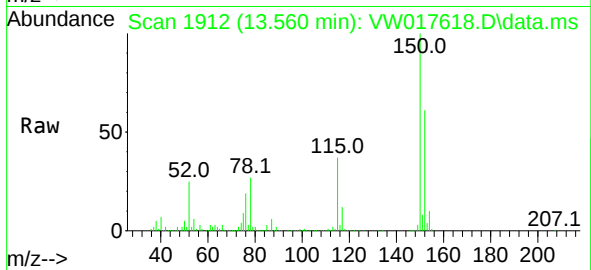




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

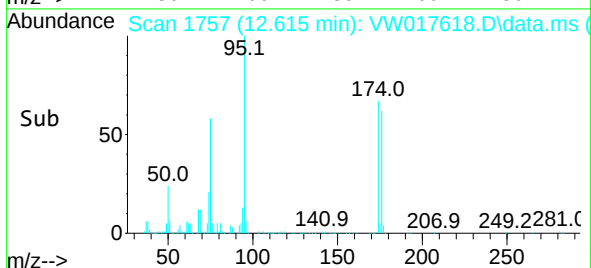
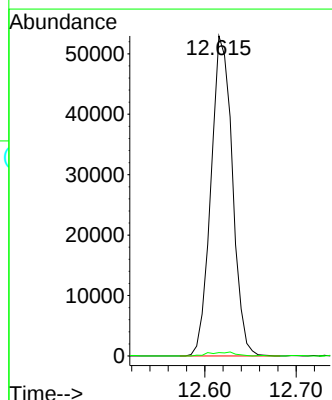
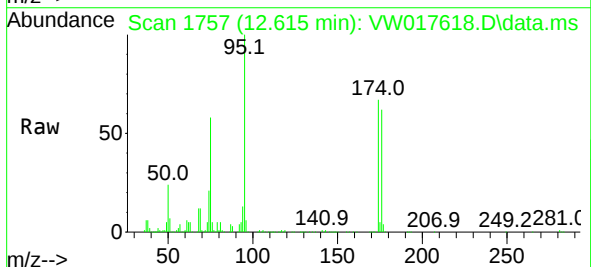
Instrument :
MSVOA_W
ClientSampleId :

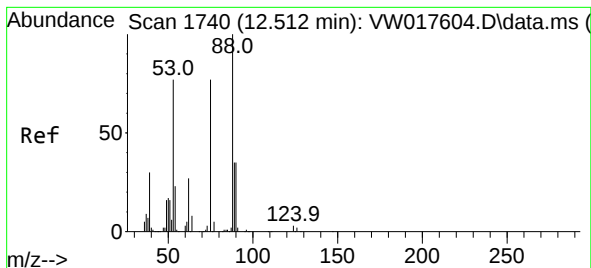
Tgt Ion:152 Resp: 147091
Ion Ratio Lower Upper
152 100
115 63.1 27.9 83.7
150 164.7 0.0 344.0



#76
1,2,3-Trichloropropane
Concen: 60.84 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion: 75 Resp: 86151
Ion Ratio Lower Upper
75 100
77 1.5 178.8 536.3#

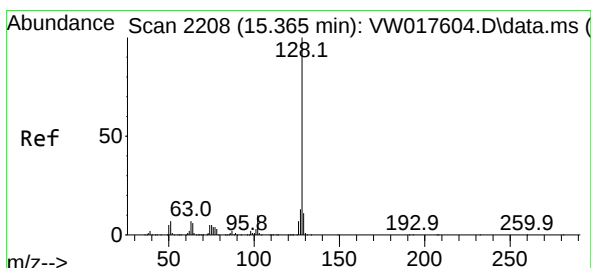
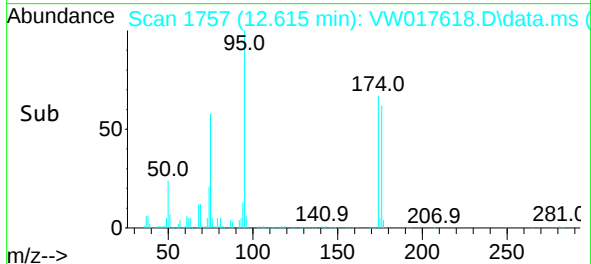
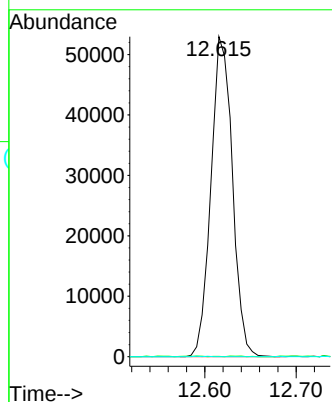
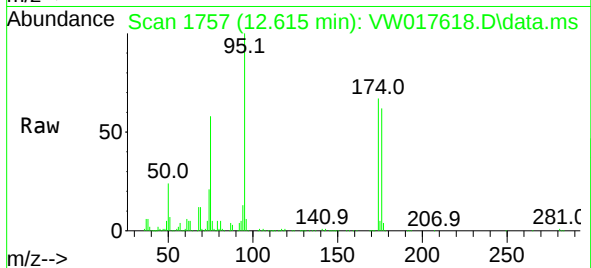




#81
trans-1,4-Dichloro-2-butene
Concen: 123.28 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 86151
Ion Ratio Lower Upper
75 100
53 0.1 77.0 115.4#
89 0.0 38.7 58.1#



#95
Naphthalene
Concen: 7.90 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW017618.D
Acq: 14 Dec 2020 18:16

Tgt Ion:128 Resp: 45602
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 11.1 8.6 12.8

