

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090921\
 Data File : VW020004.D
 Acq On : 09 Sep 2021 15:39
 Operator : SY/VA
 Sample : VW0909SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 10 03:46:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 08 12:18:21 2021
 Response via : Initial Calibration

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

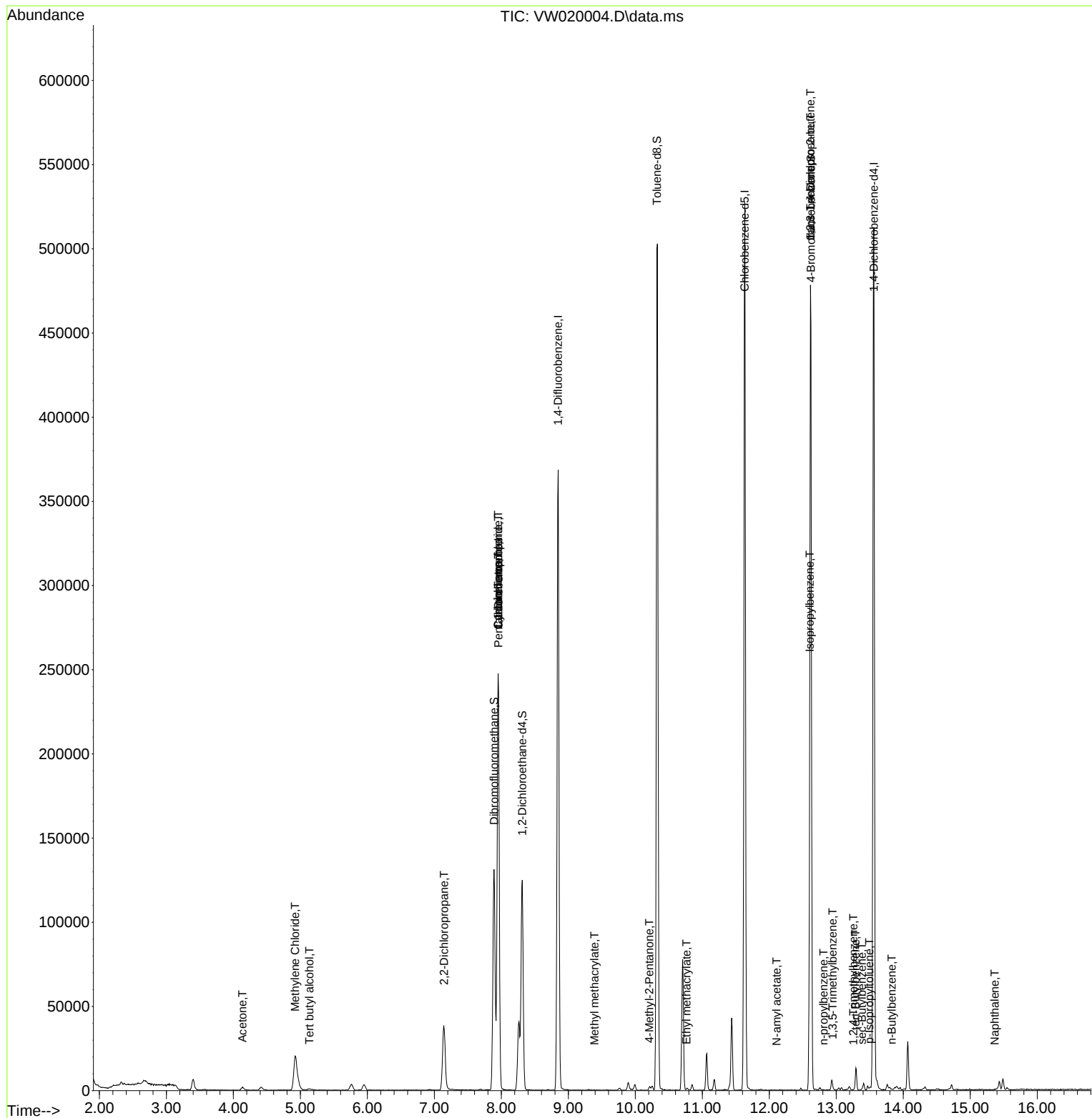
Internal Standards						
1) Pentafluorobenzene	7.958	168	175454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	299559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	281854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	133010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	99532	48.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.740%		
35) Dibromofluoromethane	7.891	113	90321	45.913	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.820%		
50) Toluene-d8	10.323	98	332861	45.518	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.040%		
62) 4-Bromofluorobenzene	12.622	95	122516	45.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.560%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.135	59	1250	12.822	ug/l #	72
16) Acetone	4.135	43	3451	10.549	ug/l	92
20) Methylene Chloride	4.922	84	17202	4.423	ug/l	95
26) 2,2-Dichloropropane	7.147	77	2694	1.206	ug/l #	53
31) Cyclohexane	7.952	56	4277	1.288	ug/l #	16
36) 1,1-Dichloropropene	7.952	75	15215	4.828	ug/l #	50
38) Carbon Tetrachloride	7.952	117	18199	5.664	ug/l #	20
48) Methyl methacrylate	9.390	41	19	5.201	ug/l #	8
51) 4-Methyl-2-Pentanone	10.207	43	1440	1.263	ug/l	100
56) Ethyl methacrylate	10.762	69	54	4.080	ug/l #	1
73) Isopropylbenzene	12.603	105	791	2.250	ug/l	82
74) N-amyl acetate	12.109	43	19	3.910	ug/l #	41
76) 1,2,3-Trichloropropane	12.615	75	65410	52.941	ug/l #	100
78) n-propylbenzene	12.811	91	318	1.363	ug/l #	54
80) 1,3,5-Trimethylbenzene	12.945	105	221	1.223	ug/l #	45
81) trans-1,4-Dichloro-2-b...	12.615	75	65410	110.332	ug/l #	7
83) tert-Butylbenzene	13.286	119	86	2.105	ug/l	76
84) 1,2,4-Trimethylbenzene	13.256	105	523	1.322	ug/l #	52
85) sec-Butylbenzene	13.384	105	232	1.048	ug/l #	56
86) p-Isopropyltoluene	13.493	119	155	1.344	ug/l #	71
89) n-Butylbenzene	13.829	91	249	1.330	ug/l #	62
95) Naphthalene	15.365	128	334	2.465	ug/l #	69

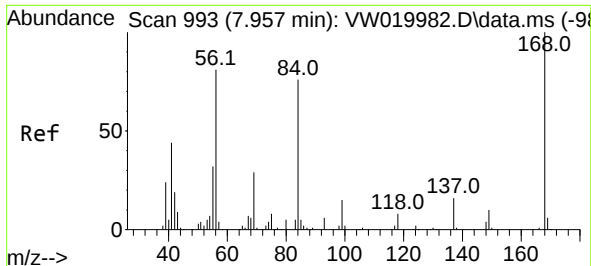
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VW020004.D
Acq On : 09 Sep 2021 15:39
Operator : SY/VA
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Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Sep 10 03:46:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 08 12:18:21 2021
Response via : Initial Calibration

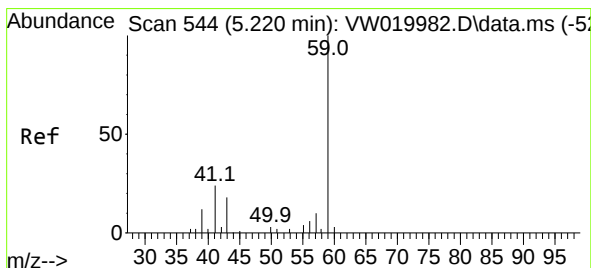
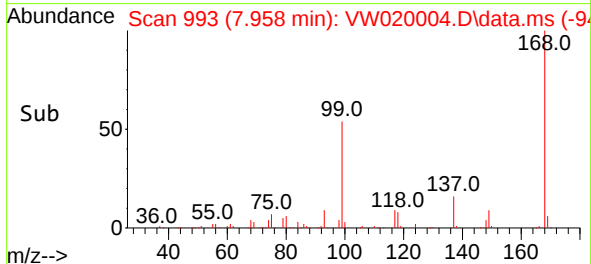
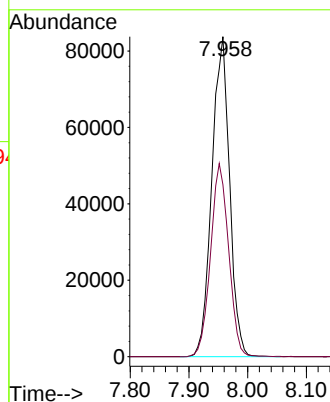
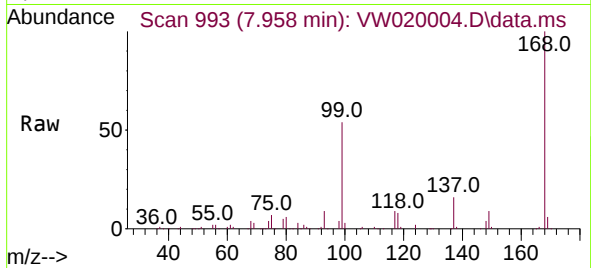




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.958 min Scan# 993
Delta R.T. 0.001 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

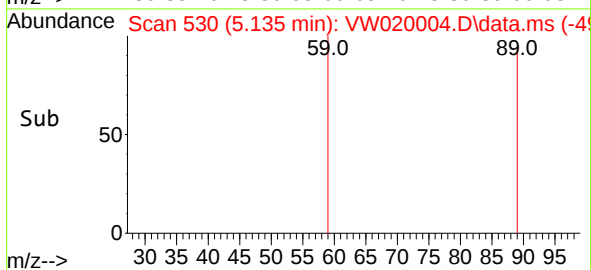
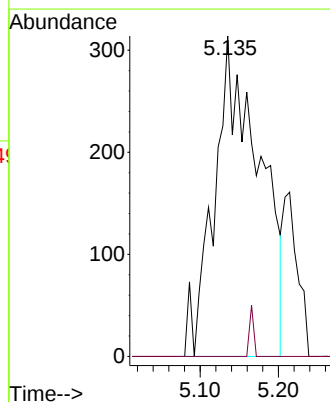
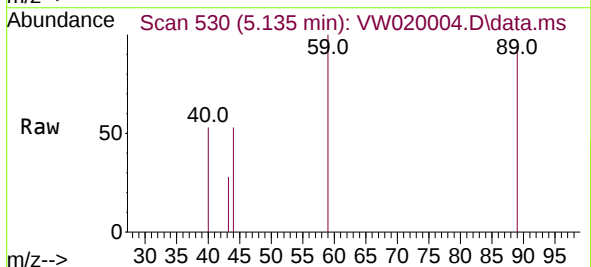
Instrument :
MSVOA_W
ClientSampled :

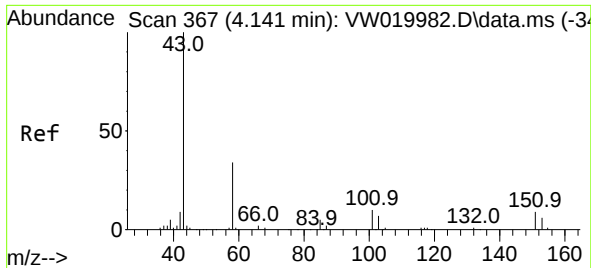
Tgt Ion:168 Resp: 175454
Ion Ratio Lower Upper
168 100
99 53.8 42.9 64.3



#11
Tert butyl alcohol
Concen: 12.822 ug/l
RT: 5.135 min Scan# 530
Delta R.T. -0.085 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 59 Resp: 1250
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

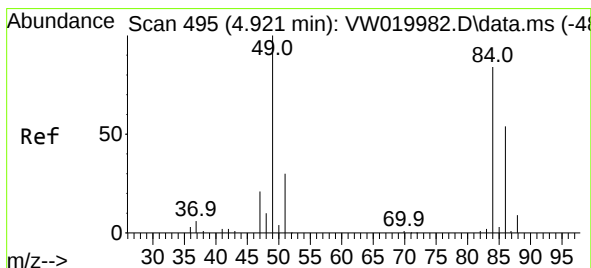
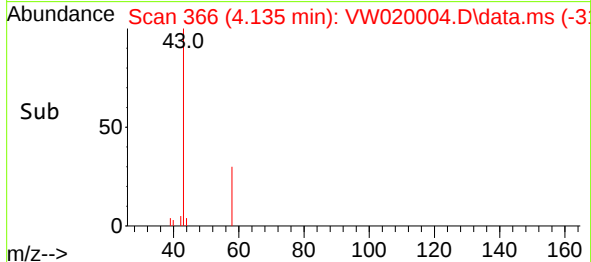
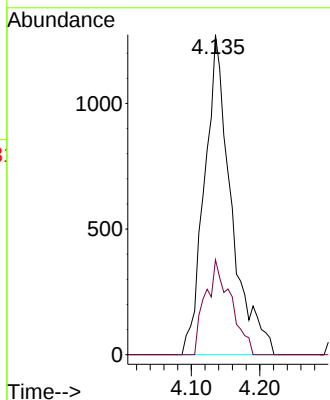
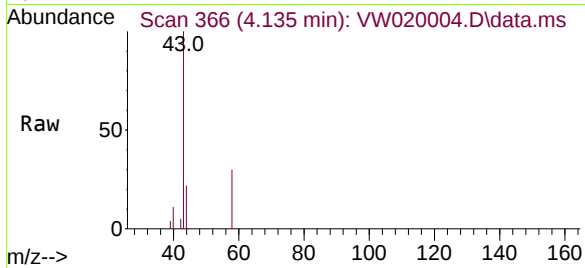




#16
Acetone
Concen: 10.549 ug/l
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

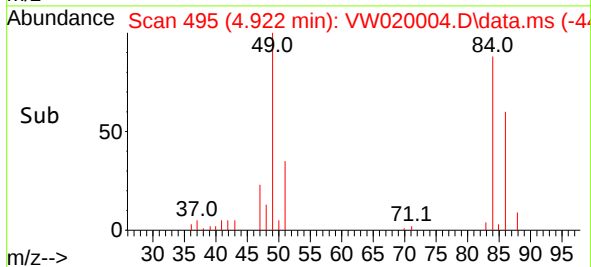
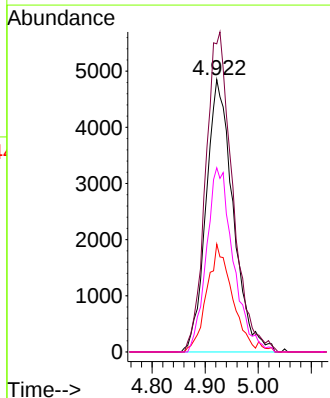
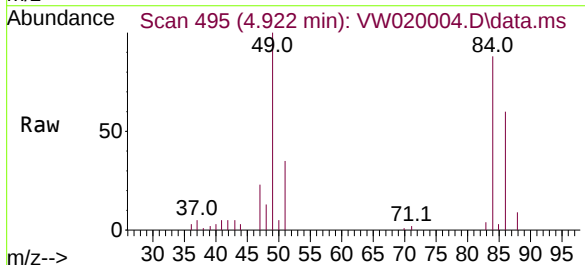
Instrument :
MSVOA_W
ClientSampled :

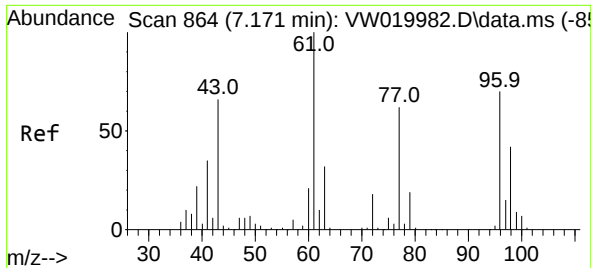
Tgt Ion: 43 Resp: 3451
Ion Ratio Lower Upper
43 100
58 29.7 27.2 40.8



#20
Methylene Chloride
Concen: 4.423 ug/l
RT: 4.922 min Scan# 495
Delta R.T. 0.001 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 84 Resp: 17202
Ion Ratio Lower Upper
84 100
49 113.2 95.4 143.0
51 39.6 28.9 43.3
86 67.6 51.6 77.4

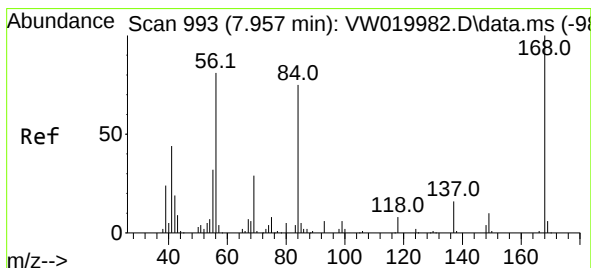
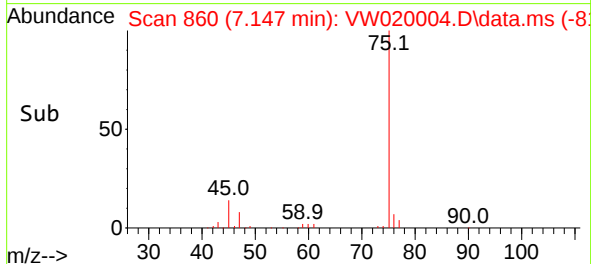
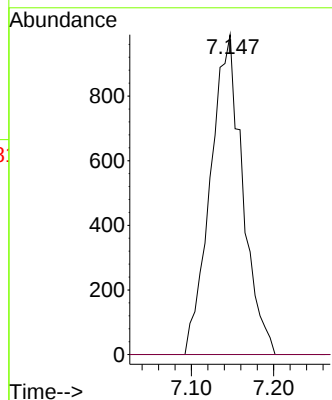
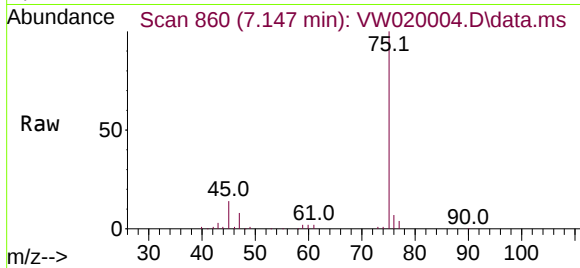




#26
2,2-Dichloropropane
Concen: 1.206 ug/l
RT: 7.147 min Scan# 860
Delta R.T. -0.024 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

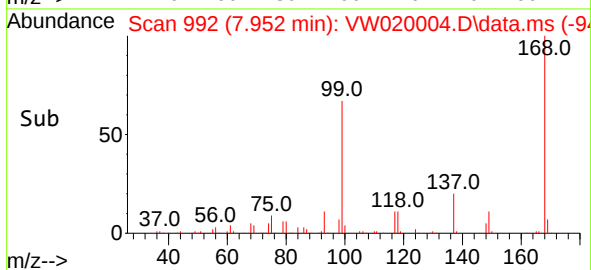
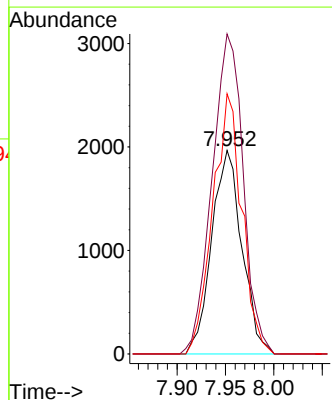
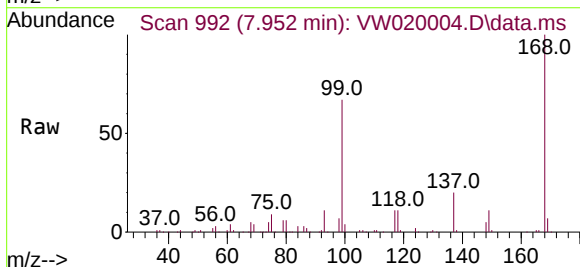
Instrument :
MSVOA_W
ClientSampled :

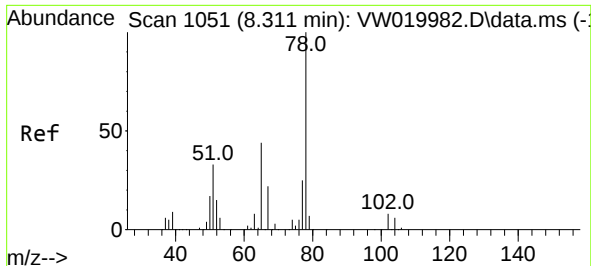
Tgt Ion: 77 Resp: 2694
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 56 Resp: 4277
Ion Ratio Lower Upper
56 100
69 157.3 28.6 42.8#
84 127.9 74.5 111.7#

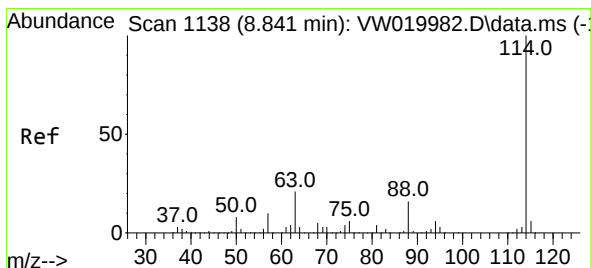
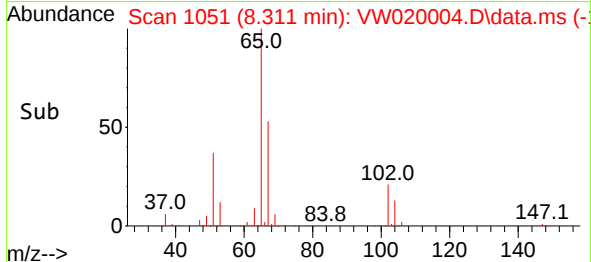
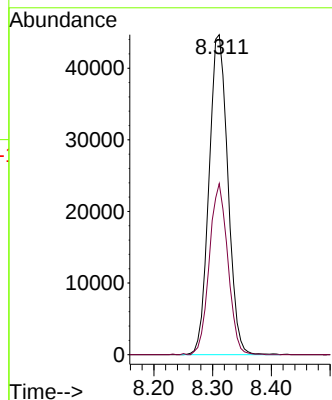
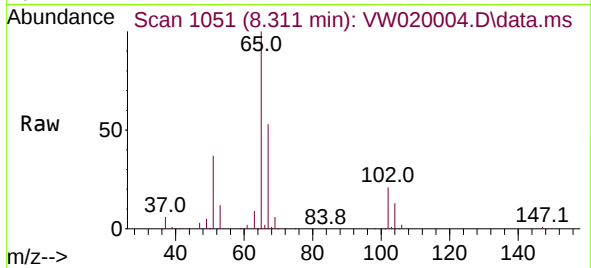




#33
 1,2-Dichloroethane-d4
 Concen: 48.866 ug/l
 RT: 8.311 min Scan# 1051
 Delta R.T. 0.000 min
 Lab File: VW020004.D
 Acq: 09 Sep 2021 15:39

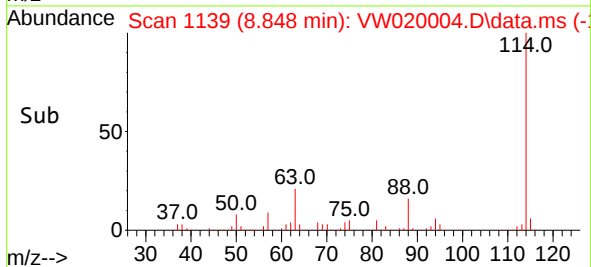
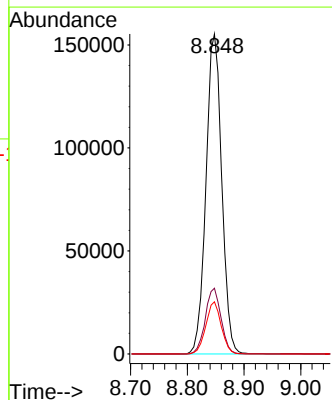
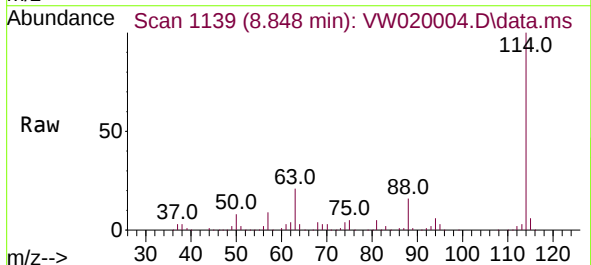
Instrument :
 MSVOA_W
 ClientSampled :

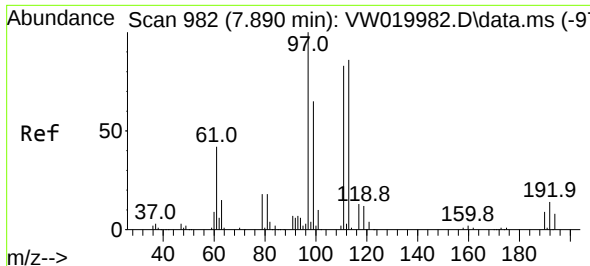
Tgt Ion: 65 Resp: 99532
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.848 min Scan# 1139
 Delta R.T. 0.007 min
 Lab File: VW020004.D
 Acq: 09 Sep 2021 15:39

Tgt Ion: 114 Resp: 299559
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 16.3 0.0 31.8

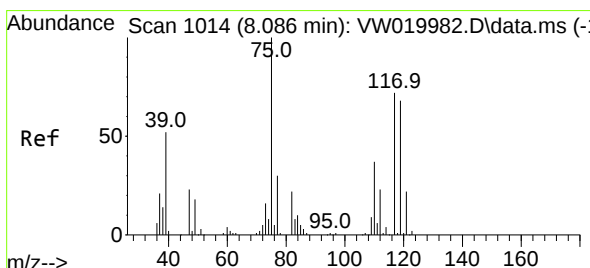
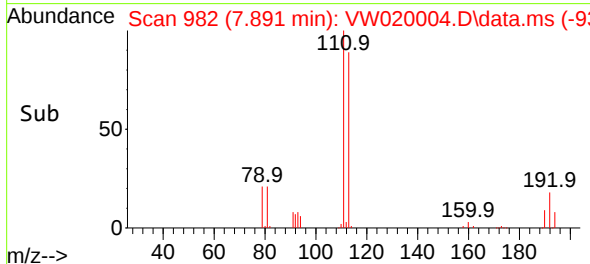
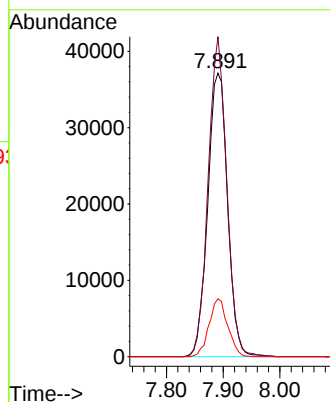
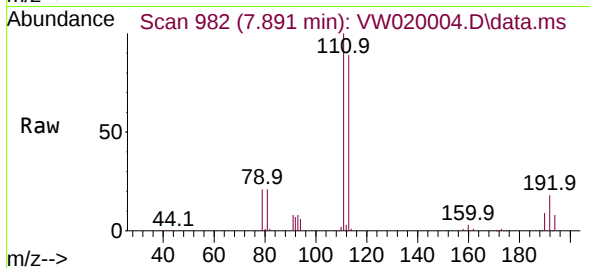




#35
Dibromofluoromethane
Concen: 45.913 ug/l
RT: 7.891 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

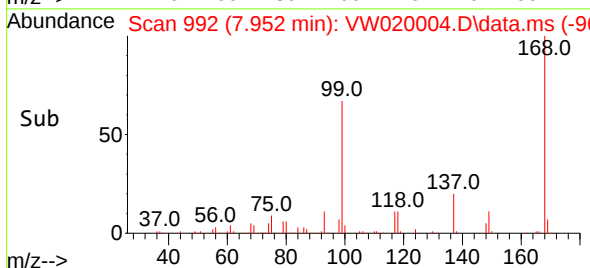
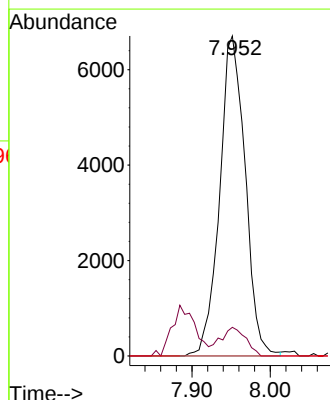
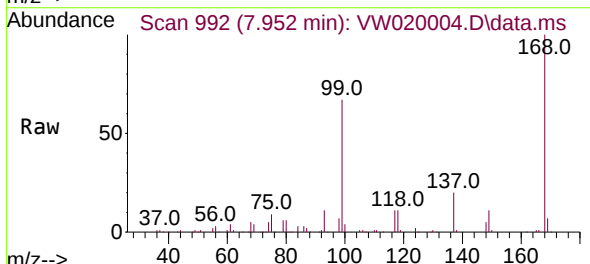
Instrument :
MSVOA_W
ClientSampled :

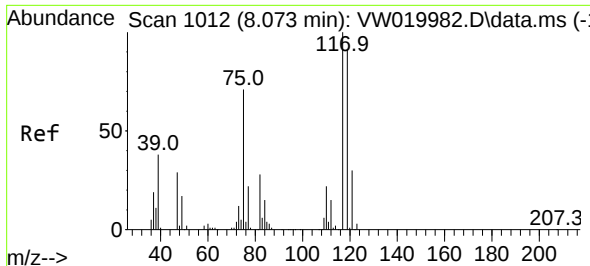
Tgt Ion:113 Resp: 90321
Ion Ratio Lower Upper
113 100
111 105.7 81.6 122.4
192 19.2 14.6 22.0



#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.134 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

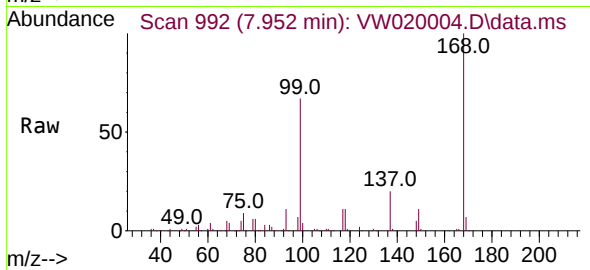
Tgt Ion: 75 Resp: 15215
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.8 37.2#



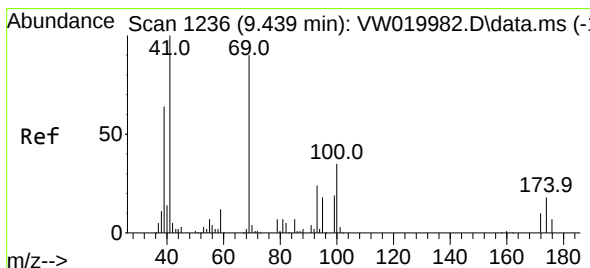
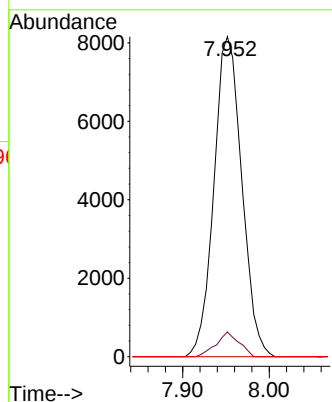
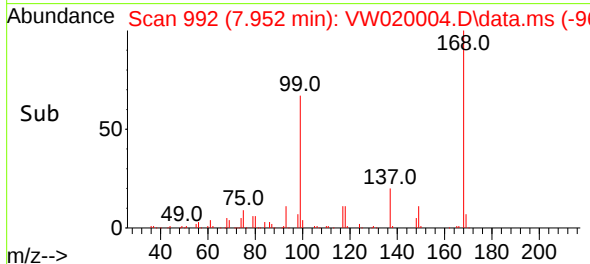


#38
Carbon Tetrachloride
Concen: 5.664 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.122 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

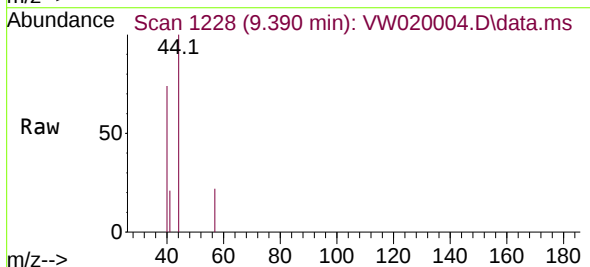
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ClientSampled :



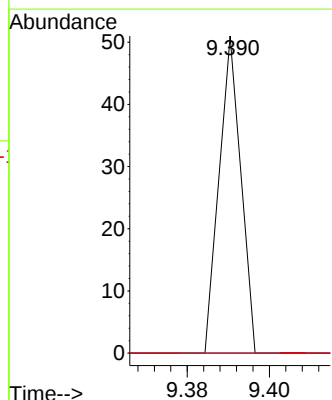
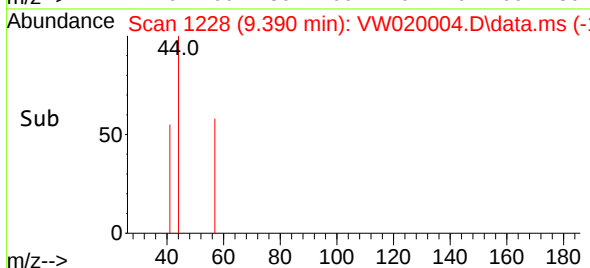
Tgt Ion: 117 Resp: 18199
Ion Ratio Lower Upper
117 100
119 7.7 73.0 109.4#
121 0.0 23.9 35.9#

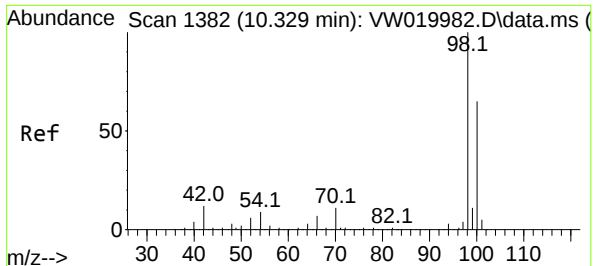


#48
Methyl methacrylate
Concen: 5.201 ug/l
RT: 9.390 min Scan# 1228
Delta R.T. -0.049 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39



Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 76.7 115.1#
39 0.0 51.4 77.0#

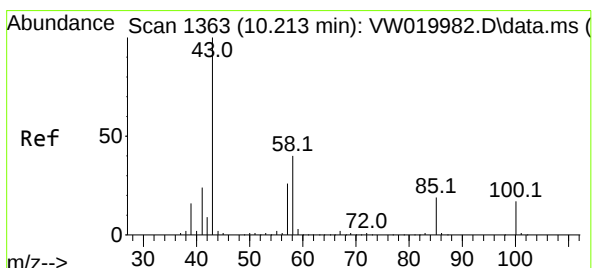
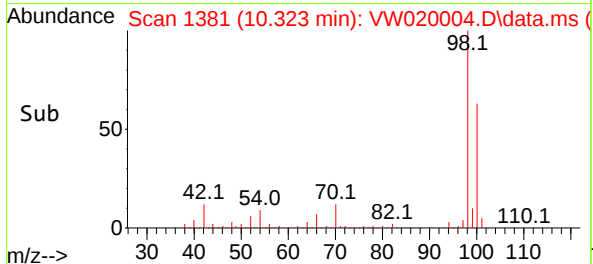
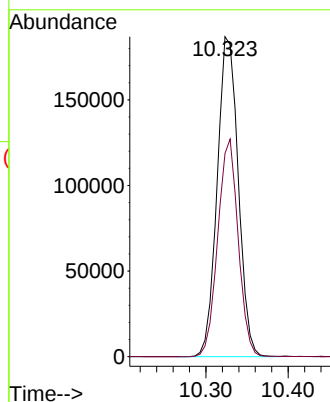
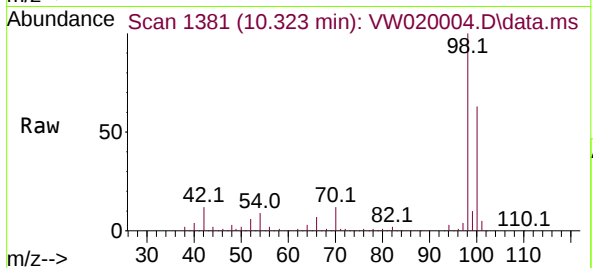




#50
Toluene-d8
Concen: 45.518 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

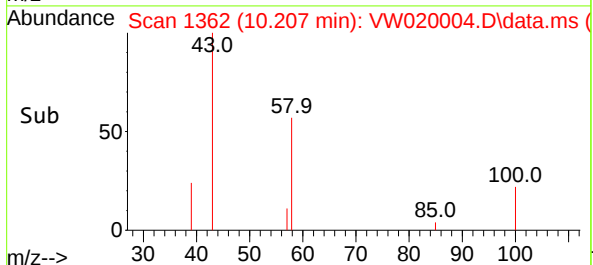
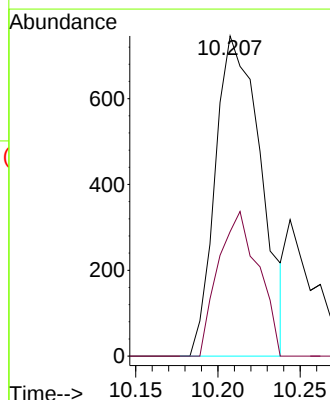
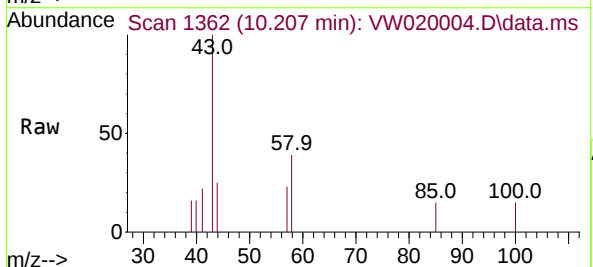
Instrument :
MSVOA_W
ClientSampled :

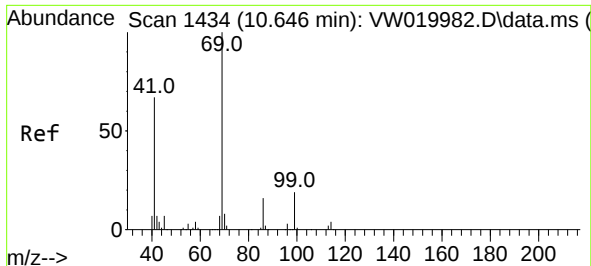
Tgt Ion: 98 Resp: 332861
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.263 ug/l
RT: 10.207 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
58 39.8 32.1 48.1

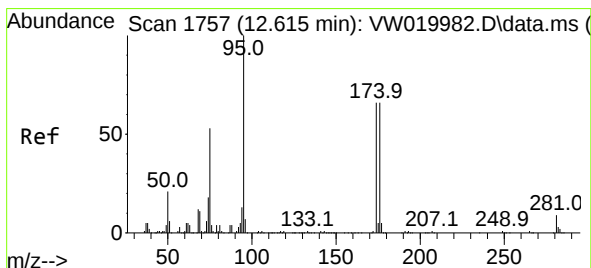
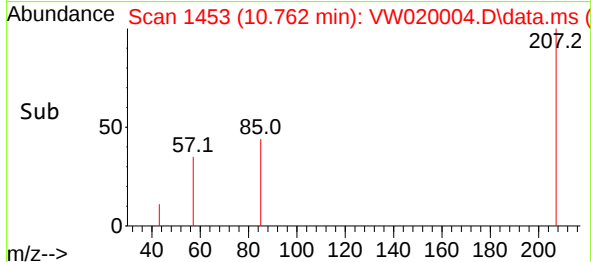
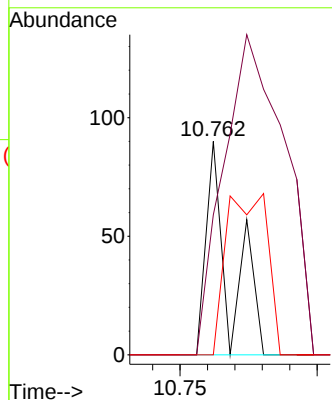
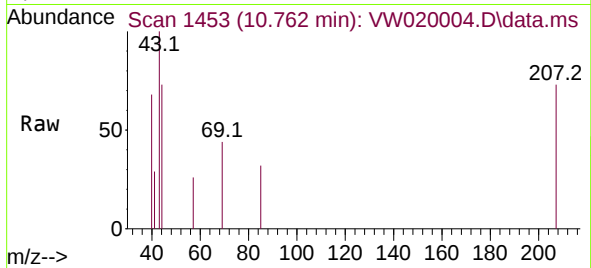




#56
Ethyl methacrylate
Concen: 4.080 ug/l
RT: 10.762 min Scan# 1453
Delta R.T. 0.116 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

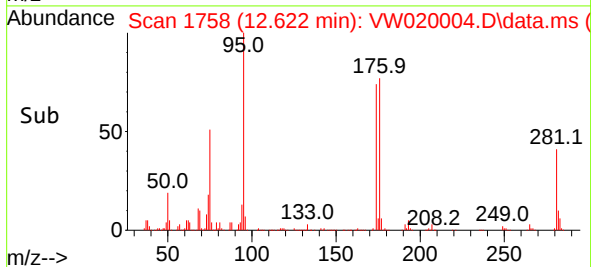
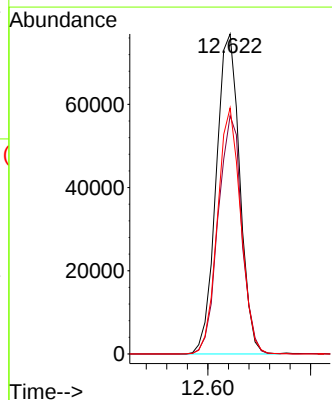
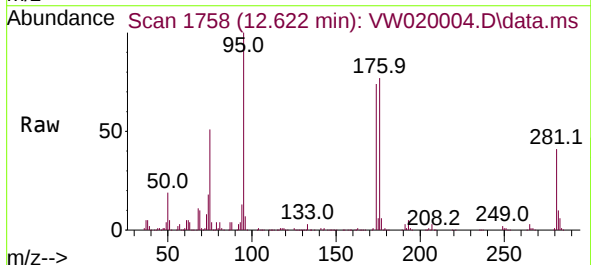
Instrument :
MSVOA_W
ClientSampled :

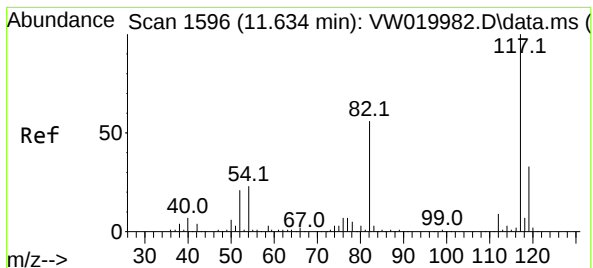
Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 385.2 50.6 76.0#
39 131.5 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 45.280 ug/l
RT: 12.622 min Scan# 1758
Delta R.T. 0.006 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 95 Resp: 122516
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.2
176 75.8 0.0 146.4

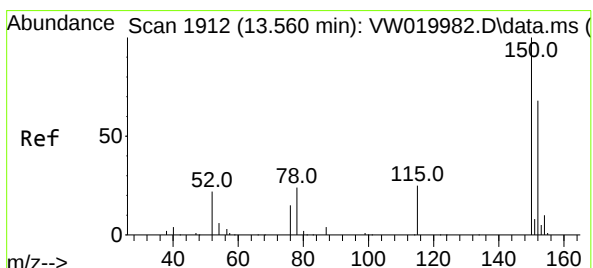
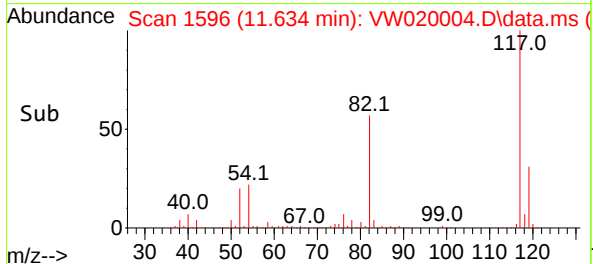
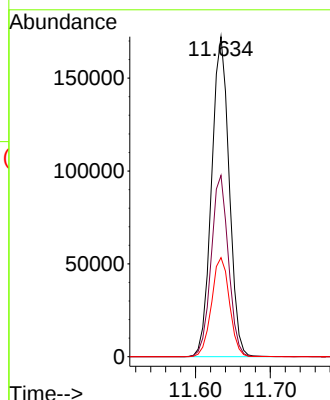
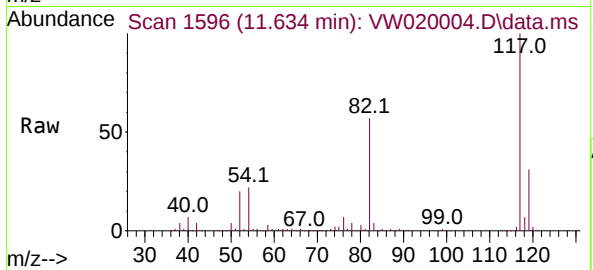




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

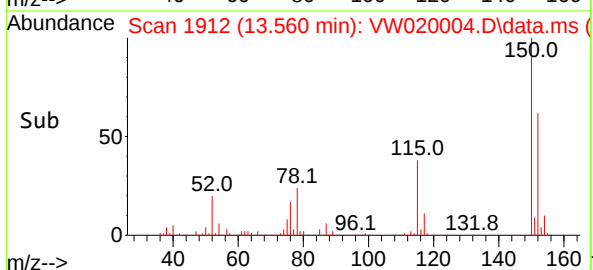
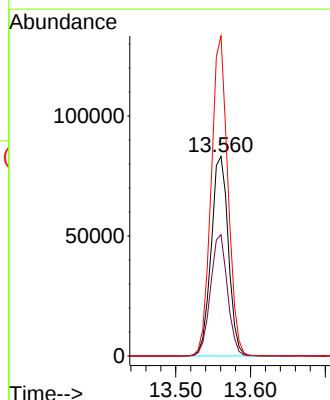
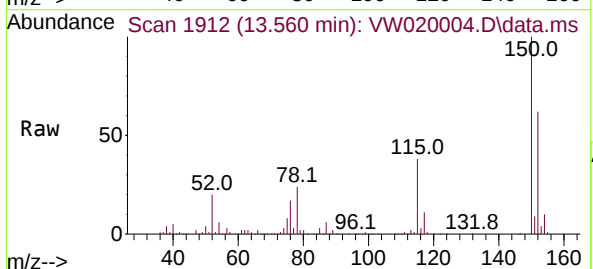
Instrument :
MSVOA_W
ClientSampled :

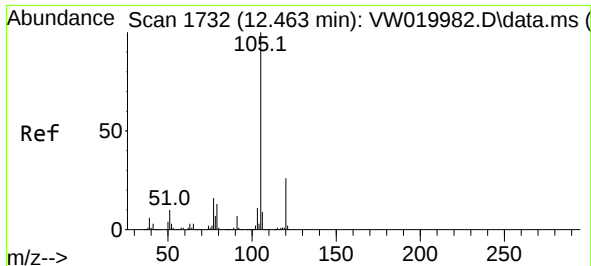
Tgt Ion:117 Resp: 281854
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 31.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion:152 Resp: 133010
Ion Ratio Lower Upper
152 100
115 60.2 30.8 92.3
150 155.6 0.0 359.2

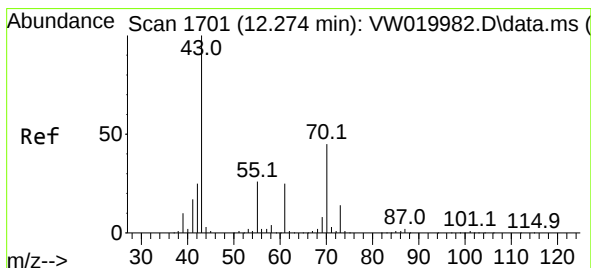
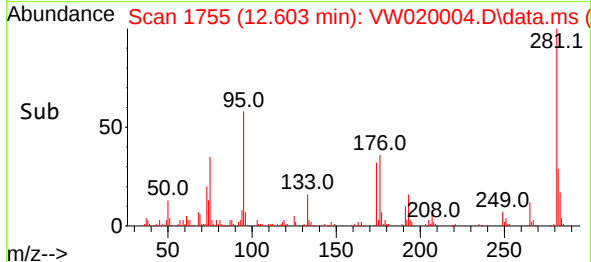
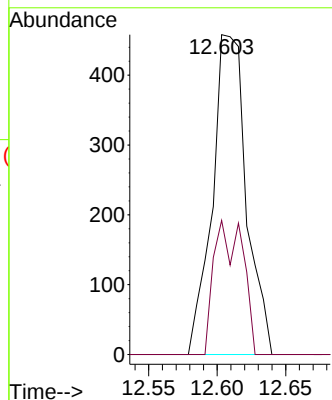
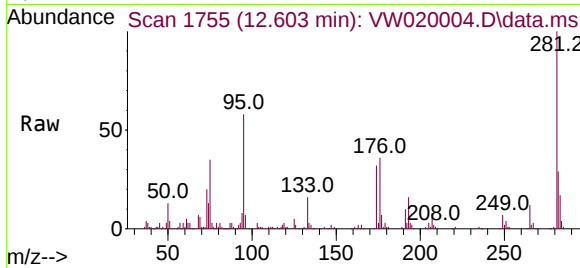




#73
Isopropylbenzene
Concen: 2.250 ug/l
RT: 12.603 min Scan# 1755
Delta R.T. 0.140 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

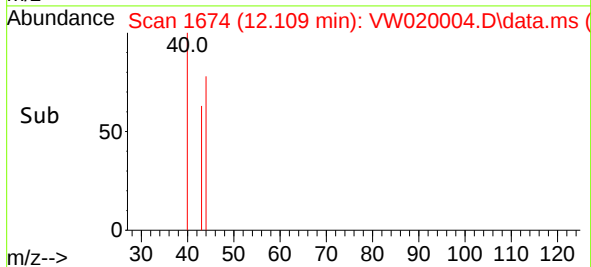
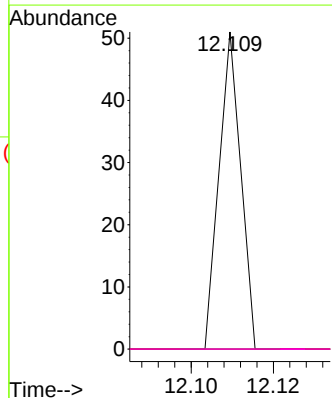
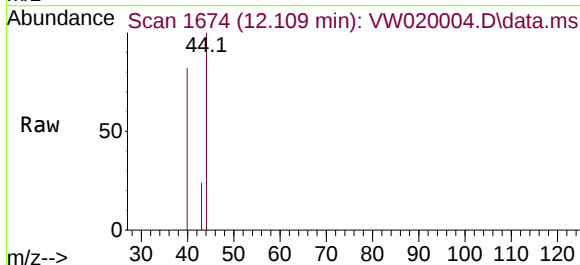
Instrument :
MSVOA_W
ClientSampled :

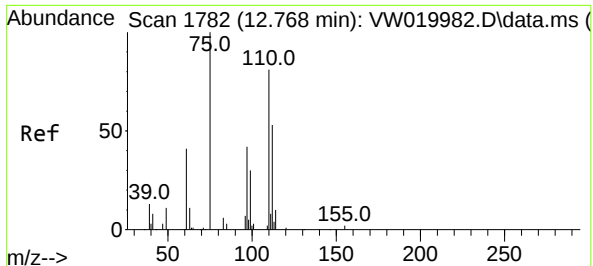
Tgt Ion:105 Resp: 791
Ion Ratio Lower Upper
105 100
120 35.4 13.0 39.0



#74
N-ethyl acetate
Concen: 3.910 ug/l
RT: 12.109 min Scan# 1674
Delta R.T. -0.165 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 0.0 35.1 52.7#
55 0.0 21.4 32.2#
61 0.0 19.6 29.4#

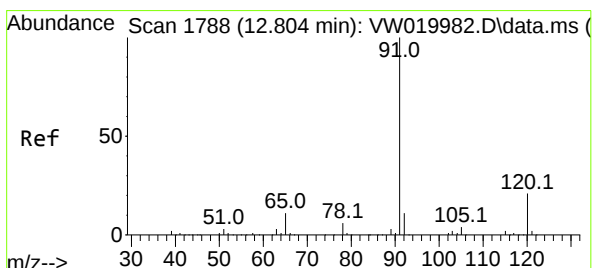
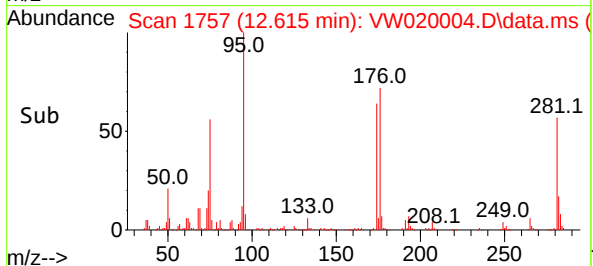
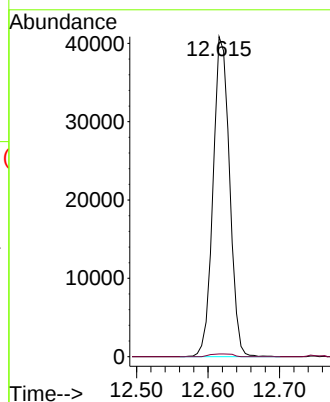
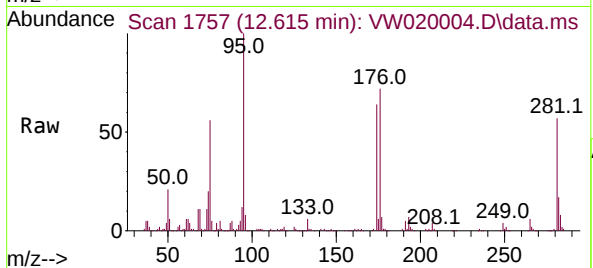




#76
1,2,3-Trichloropropane
Concen: 52.941 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.152 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

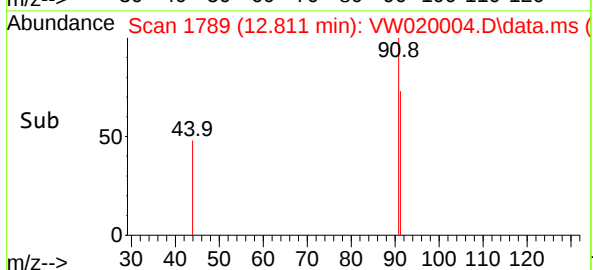
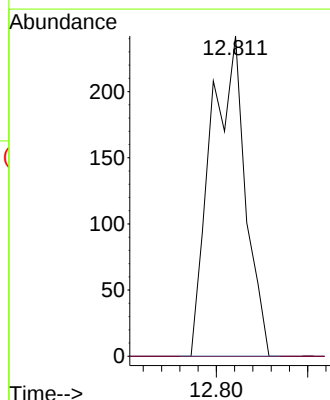
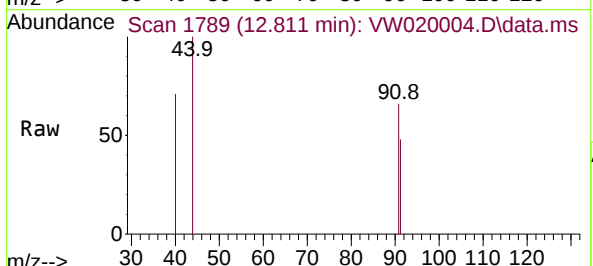
Instrument :
MSVOA_W
ClientSampled :

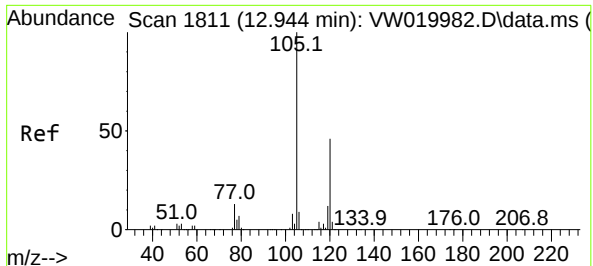
Tgt Ion: 75 Resp: 65410
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#78
n-propylbenzene
Concen: 1.363 ug/l
RT: 12.811 min Scan# 1789
Delta R.T. 0.007 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 91 Resp: 318
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.7#

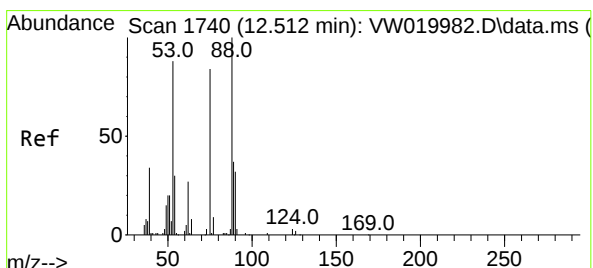
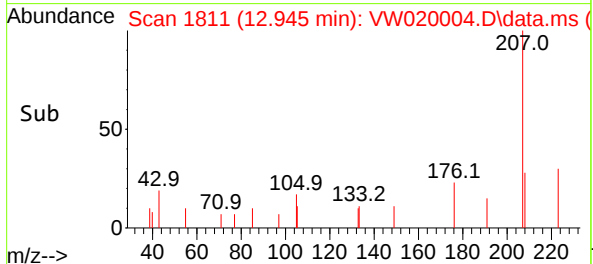
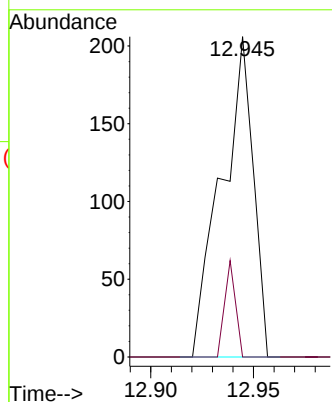
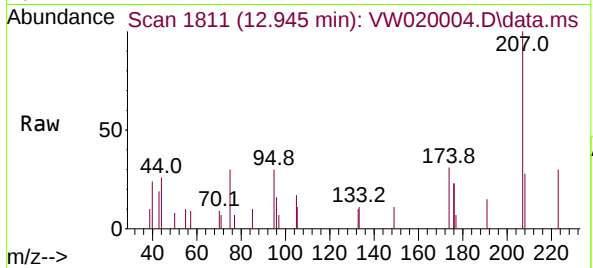




#80
1,3,5-Trimethylbenzene
Concen: 1.223 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.001 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

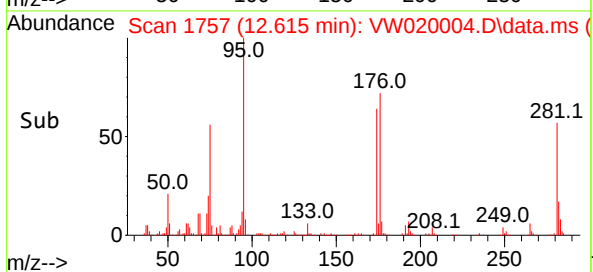
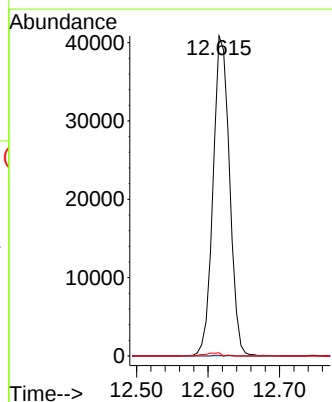
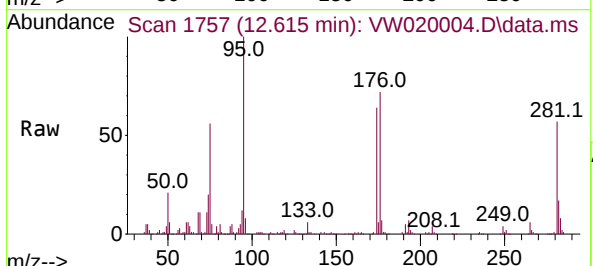
Instrument :
MSVOA_W
ClientSampled :

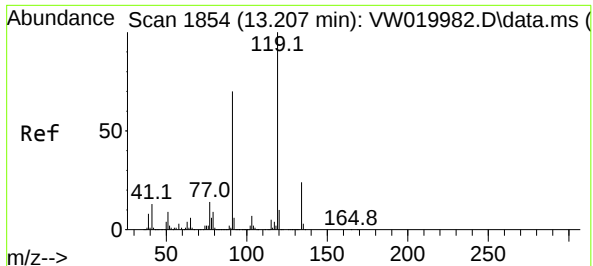
Tgt Ion:105 Resp: 221
Ion Ratio Lower Upper
105 100
120 10.4 23.8 71.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.332 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion: 75 Resp: 65410
Ion Ratio Lower Upper
75 100
53 0.1 86.1 129.1#
89 1.0 37.7 56.5#

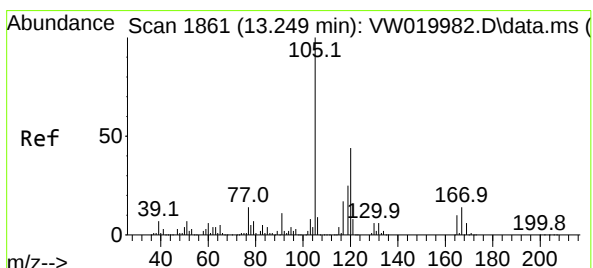
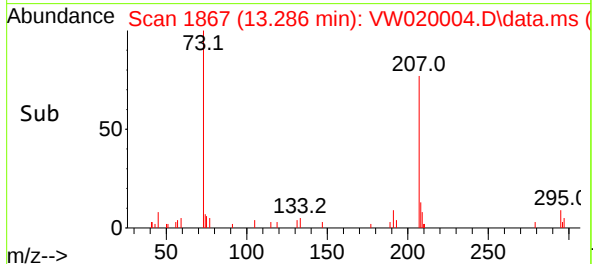
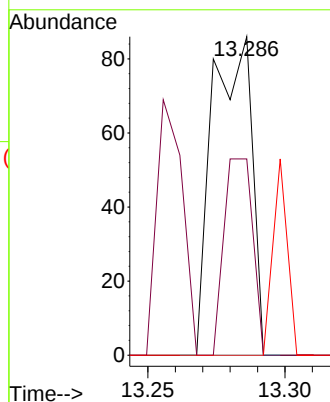
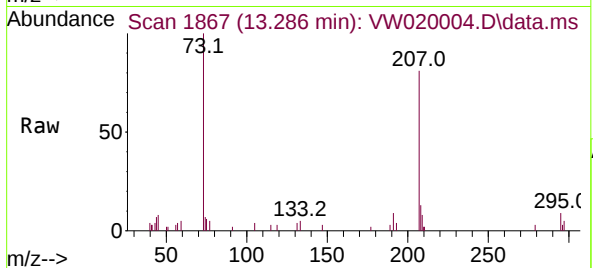




#83
tert-Butylbenzene
Concen: 2.105 ug/l
RT: 13.286 min Scan# 1867
Delta R.T. 0.079 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

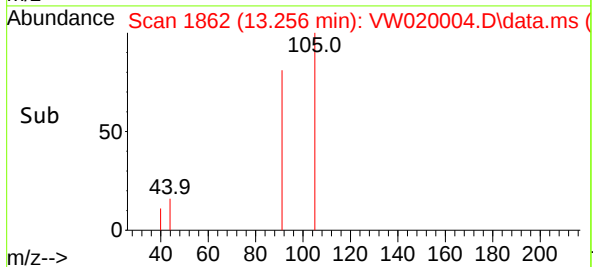
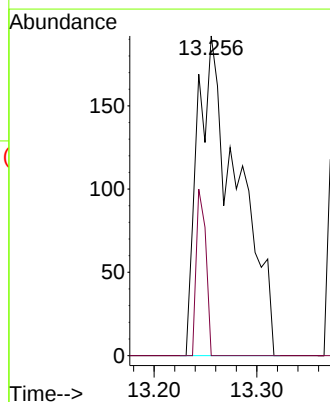
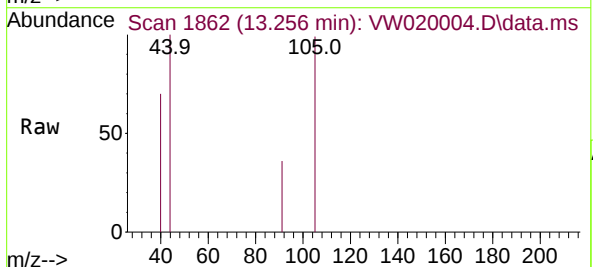
Instrument :
MSVOA_W
ClientSampled :

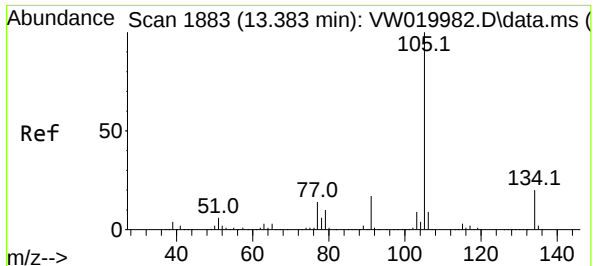
Tgt Ion:119 Resp: 86
Ion Ratio Lower Upper
119 100
91 45.3 35.0 105.0
134 22.1 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 1.322 ug/l
RT: 13.256 min Scan# 1862
Delta R.T. 0.007 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

Tgt Ion:105 Resp: 523
Ion Ratio Lower Upper
105 100
120 12.4 21.4 64.3#

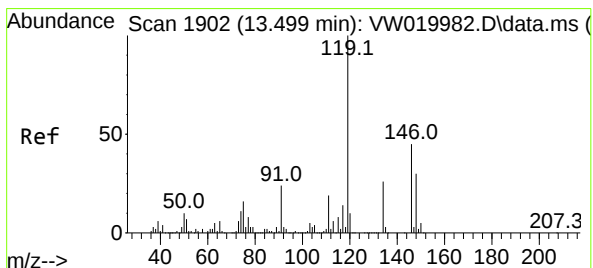
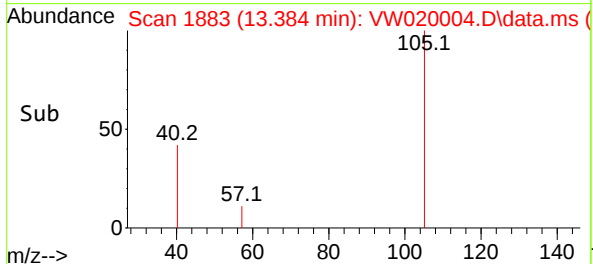
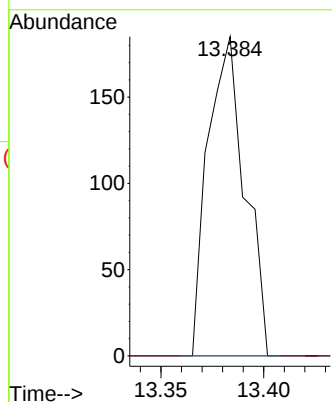
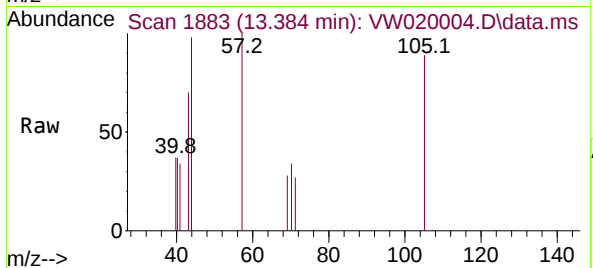




#85
sec-Butylbenzene
Concen: 1.048 ug/l
RT: 13.384 min Scan# 1883
Delta R.T. 0.001 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

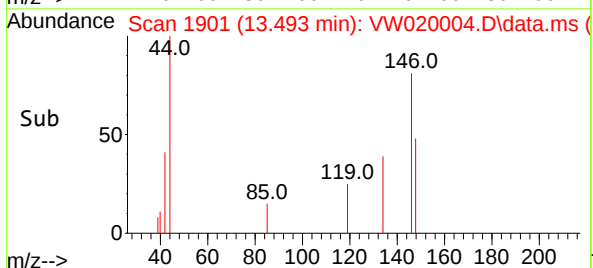
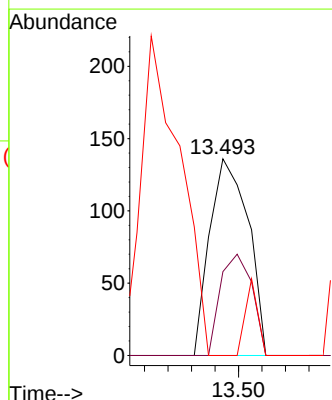
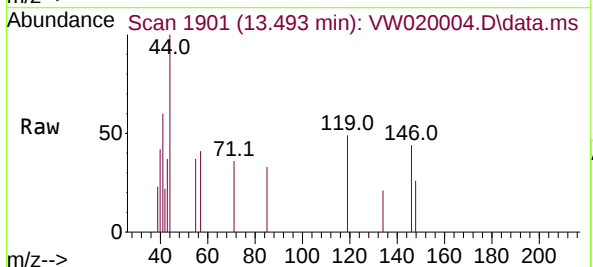
Instrument :
MSVOA_W
ClientSampled :

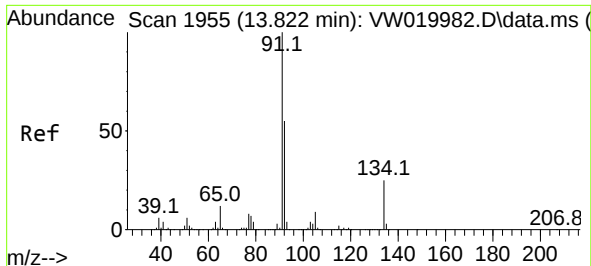
Tgt Ion:105 Resp: 232
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#



#86
p-Isopropyltoluene
Concen: 1.344 ug/l
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

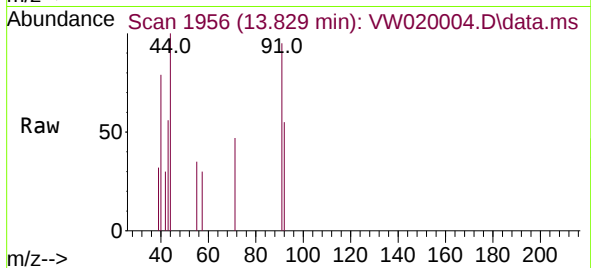
Tgt Ion:119 Resp: 155
Ion Ratio Lower Upper
119 100
134 41.9 12.8 38.4#
91 12.3 12.4 37.0#



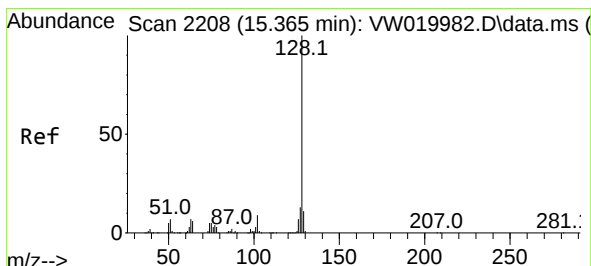
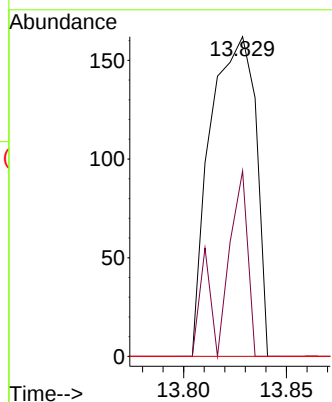
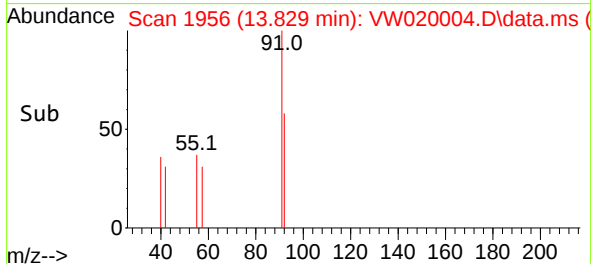


#89
n-Butylbenzene
Concen: 1.330 ug/l
RT: 13.829 min Scan# 1956
Delta R.T. 0.007 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39

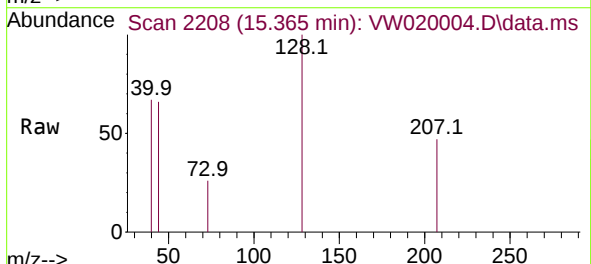
Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 91 Resp: 249
Ion Ratio Lower Upper
91 100
92 30.5 27.1 81.3
134 0.0 12.4 37.2#



#95
Naphthalene
Concen: 2.465 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020004.D
Acq: 09 Sep 2021 15:39



Tgt Ion: 128 Resp: 334
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

