

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101421\
 Data File : VW020484.D
 Acq On : 14 Oct 2021 11:10
 Operator : SY/VA
 Sample : M4181-14RE
 Misc : 5.55g/10mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AZ2RE

Quant Time: Oct 14 23:36:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 14 23:35:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	101718	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	47637	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	5856	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	43270	29.235	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 116.920%			
7) Chloroethane-d5	2.879	69	27950	35.749	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 143.000%			
11) 1,1-Dichloroethene-d2	4.013	63	60363	19.903	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 79.600%			
21) 2-Butanone-d5	7.086	46	24360	54.080	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 108.160%			
24) Chloroform-d	7.653	84	94642	29.189	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 116.760%			
26) 1,2-Dichloroethane-d4	8.305	65	49089	26.508	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.040%			
32) Benzene-d6	8.281	84	164591	52.527	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 210.120%#			
36) 1,2-Dichloropropane-d6	9.274	67	56733	55.553	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 222.200%#			
41) Toluene-d8	10.329	98	96044	34.161	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 136.640%#			
43) trans-1,3-Dichloroprop...	10.579	79	9169	22.094	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.360%			
47) 2-Hexanone-d5	10.927	63	9284	59.095	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.200%			
56) 1,1,2,2-Tetrachloroeth...	12.694	84	25942	33.606	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 134.440%#			
66) 1,2-Dichlorobenzene-d4	13.853	152	6324	27.607	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 110.440%			
Target Compounds						Qvalue
22) 2-Butanone	7.147	43	2910	5.621	ug/L #	51
29) Cyclohexane	7.958	56	1473	1.056	ug/L	91
33) Benzene	8.323	78	8210	2.420	ug/L	100
34) Trichloroethene	8.841	95	3346	4.003	ug/L #	8
35) Methylcyclohexane	9.335	83	3447	2.410	ug/L	91
37) 1,2-Dichloropropane	9.280	63	6709	7.635	ug/L #	87
39) cis-1,3-Dichloropropene	10.036	75	905	0.747	ug/L #	61
42) Toluene	10.390	91	17366	5.103	ug/L	99
48) 2-Hexanone	10.927	43	2051	5.301	ug/L #	65
52) Ethylbenzene	11.731	91	2066	0.560	ug/L	94
53) m,p-Xylene	11.835	106	2294	1.678	ug/L	95
54) o-Xylene	12.170	106	1874	1.484	ug/L	94
60) Isopropylbenzene	12.469	105	783	0.911	ug/L #	89
61) 1,2,3-Trichloropropane	13.554	75	855	6.627	ug/L #	66
62) 1,3,5-Trimethylbenzene	12.944	105	375	0.534	ug/L #	71
63) 1,2,4-Trimethylbenzene	13.249	105	1067	1.535	ug/L #	84
71) Naphthalene	15.365	128	561	1.486	ug/L #	69

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 14 23:35:04 2021
Response via : Initial Calibration

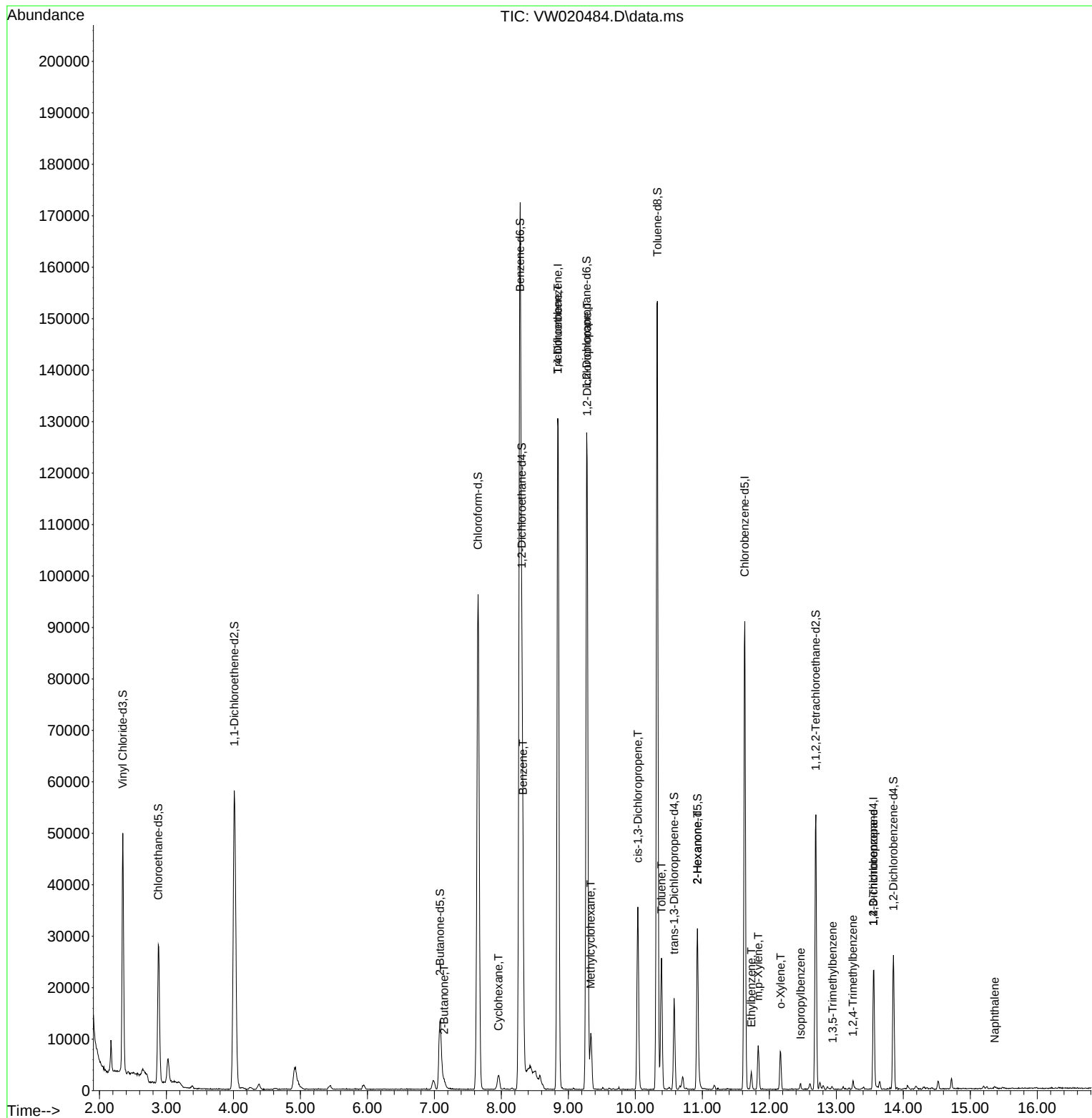
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

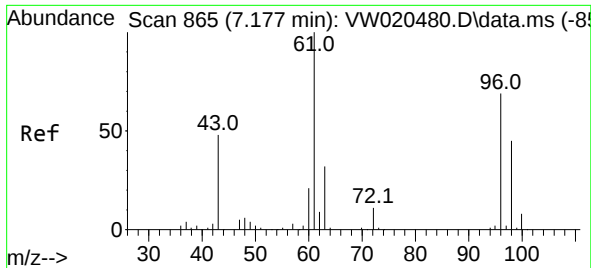
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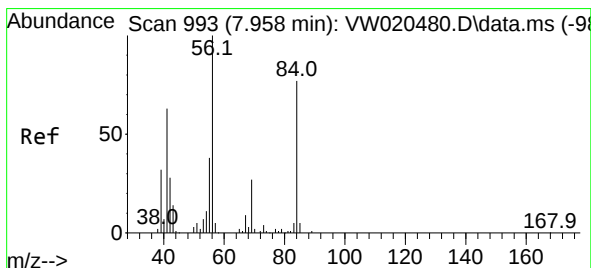
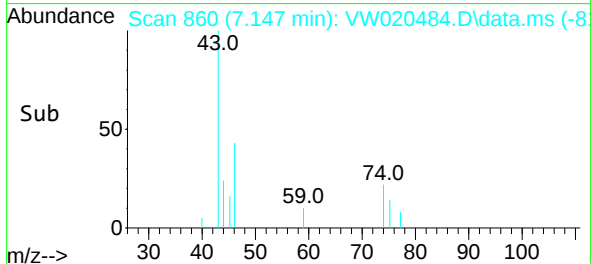
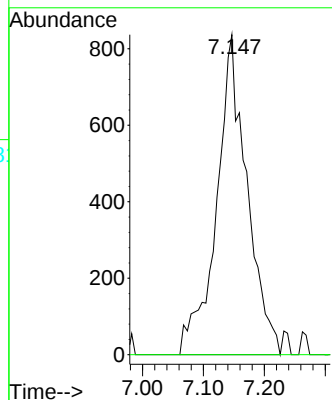
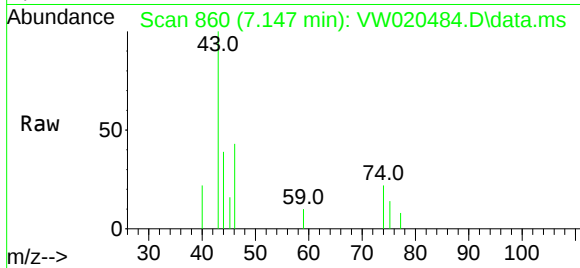




#22
2-Butanone
Concen: 5.621 ug/L
RT: 7.147 min Scan# 860
Delta R.T. -0.031 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

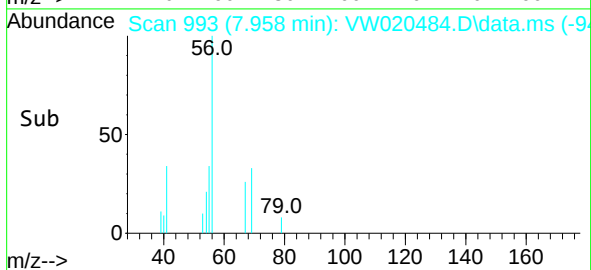
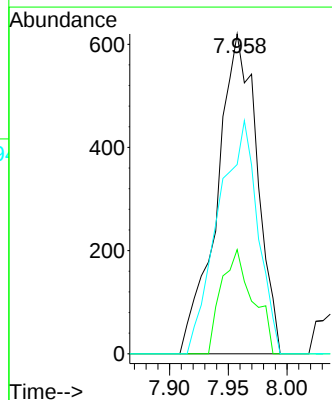
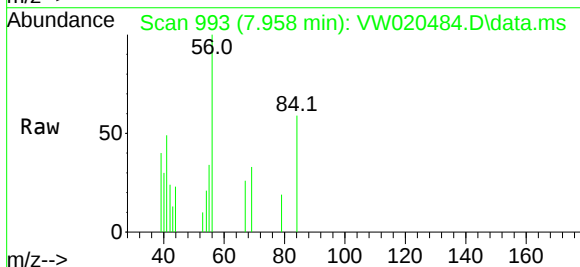
Instrument :
MSVOA_W
ClientSampleId :
C0AZ2RE

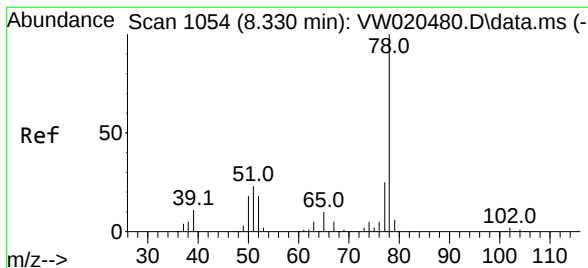
Tgt Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
72 0.0 12.2 36.6#



#29
Cyclohexane
Concen: 1.056 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Tgt Ion: 56 Resp: 1473
Ion Ratio Lower Upper
56 100
69 23.3 23.2 34.8
84 71.9 63.7 95.5





#33

Benzene

Concen: 2.420 ug/L

RT: 8.323 min Scan# 1053

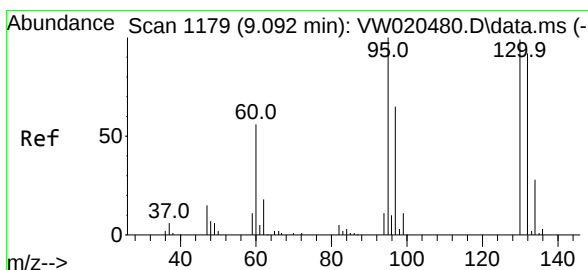
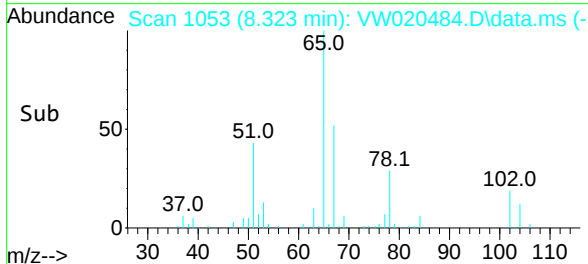
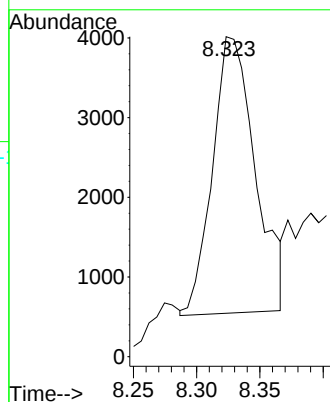
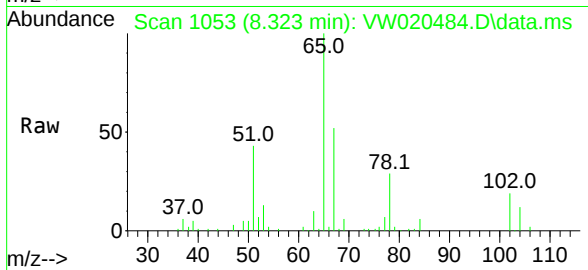
Delta R.T. -0.006 min

Lab File: VW020484.D

Acq: 14 Oct 2021 11:10

Tgt Ion: 78 Resp: 8210

Instrument :
MSVOA_W
ClientSampled :
C0AZ2RE



#34

Trichloroethene

Concen: 4.003 ug/L

RT: 8.841 min Scan# 1138

Delta R.T. -0.250 min

Lab File: VW020484.D

Acq: 14 Oct 2021 11:10

Tgt Ion: 95 Resp: 3346

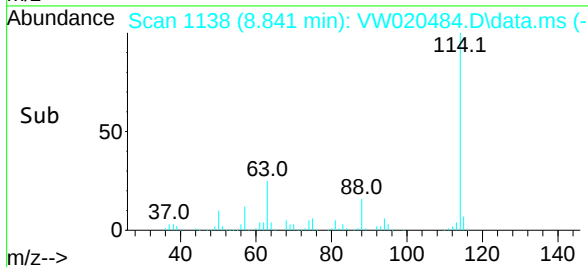
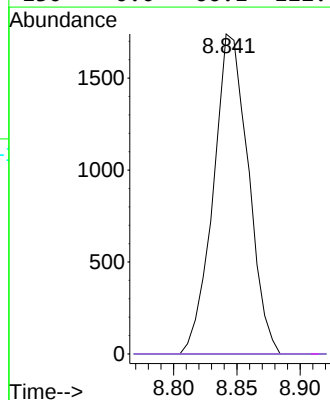
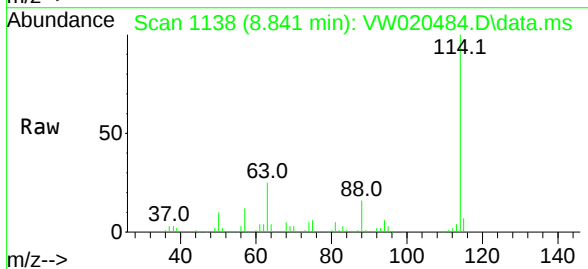
Ion Ratio Lower Upper

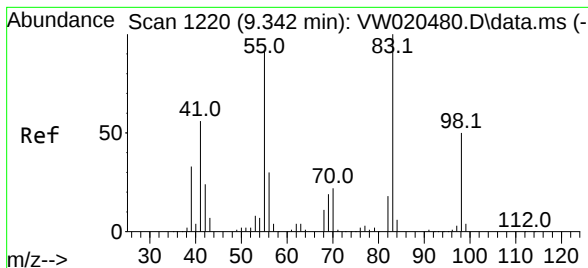
95 100

97 0.0 43.2 80.2#

132 0.0 62.3 115.7#

130 0.0 66.1 122.7#

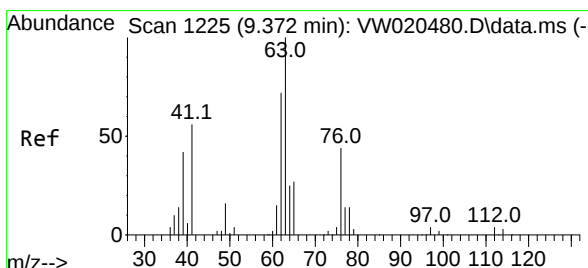
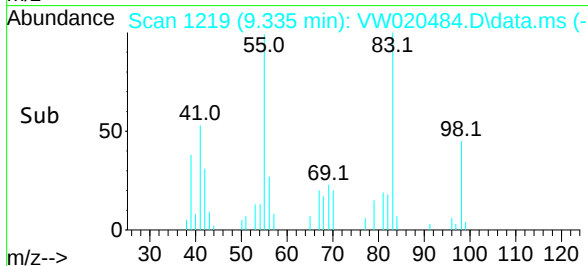
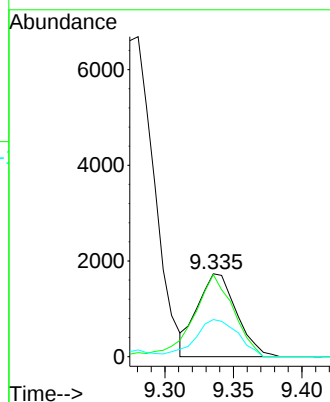
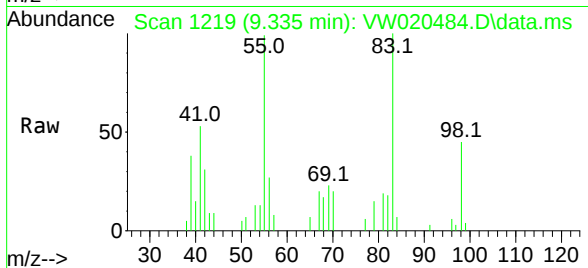




#35
Methylcyclohexane
Concen: 2.410 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.006 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

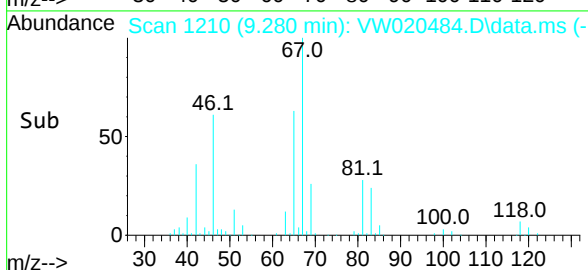
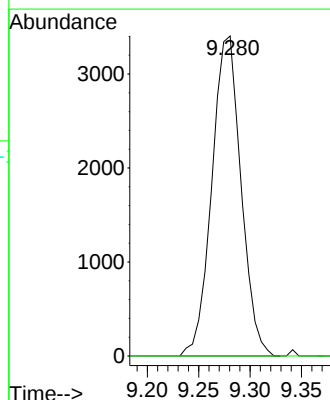
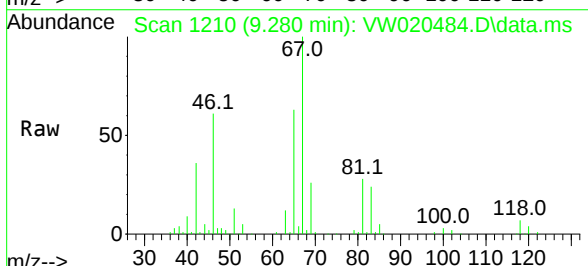
Instrument :
MSVOA_W
ClientSampled :
C0AZ2RE

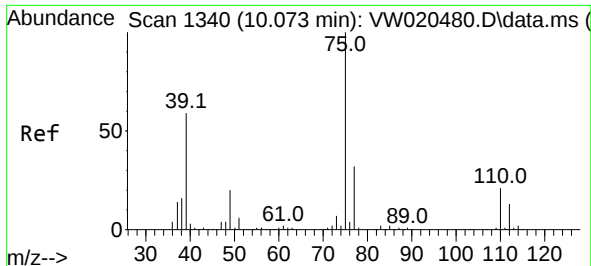
Tgt Ion: 83 Resp: 3447
Ion Ratio Lower Upper
83 100
55 99.3 69.7 104.5
98 48.6 38.2 57.2



#37
1,2-Dichloropropane
Concen: 7.635 ug/L
RT: 9.280 min Scan# 1210
Delta R.T. -0.092 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Tgt Ion: 63 Resp: 6709
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

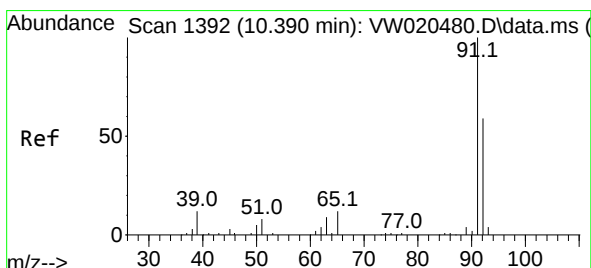
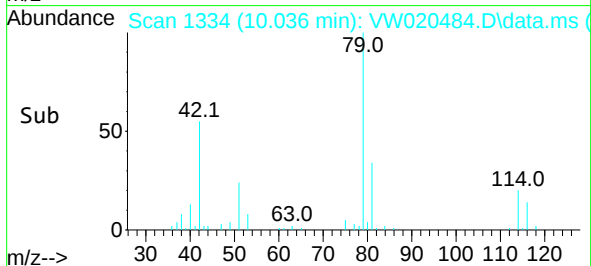
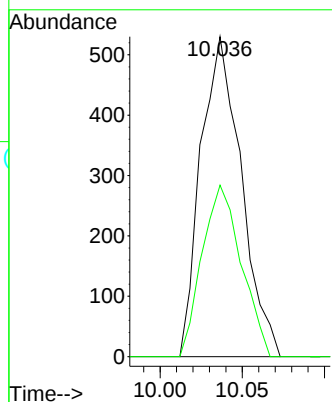
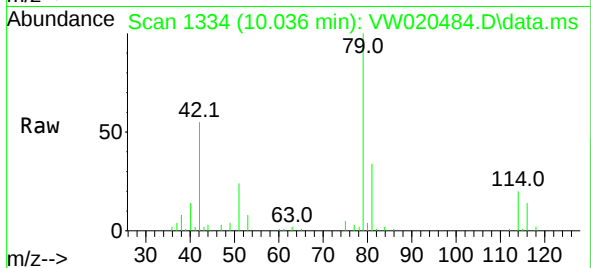




#39
cis-1,3-Dichloropropene
Concen: 0.747 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

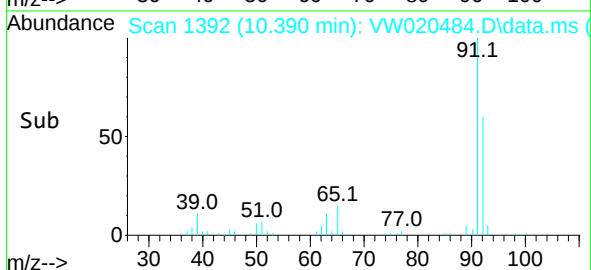
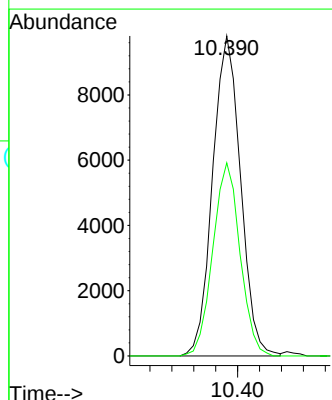
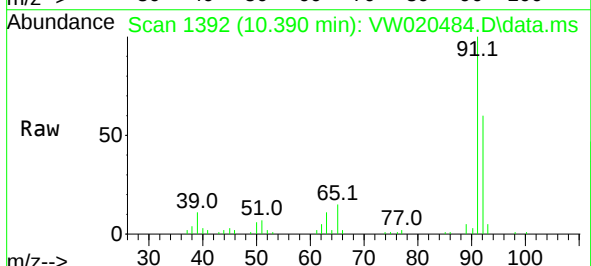
Instrument :
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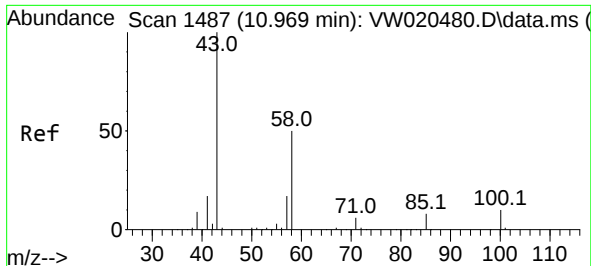
Tgt Ion: 75 Resp: 905
Ion Ratio Lower Upper
75 100
77 53.6 22.4 41.6#



#42
Toluene
Concen: 5.103 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

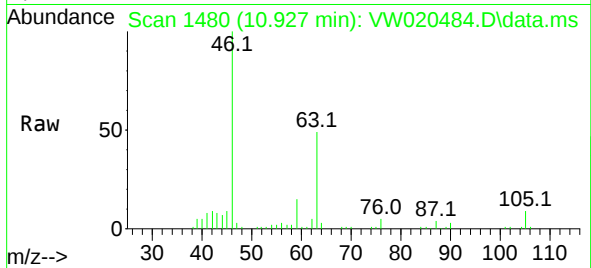
Tgt Ion: 91 Resp: 17366
Ion Ratio Lower Upper
91 100
92 60.3 41.5 77.1



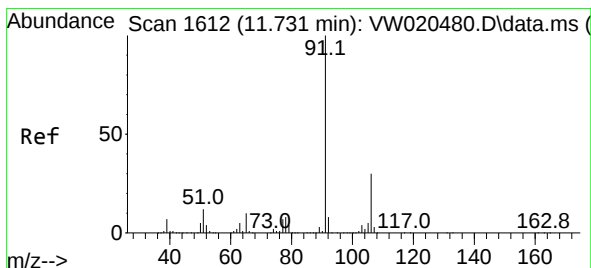
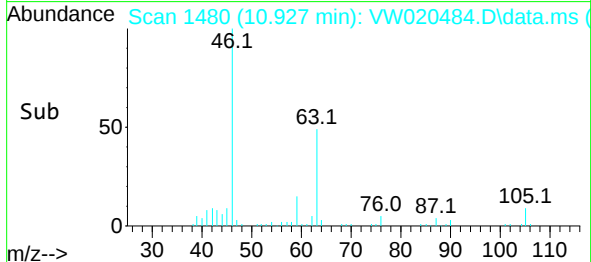
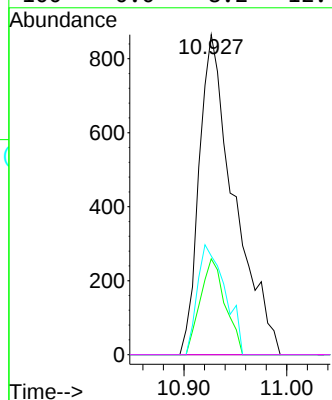


#48
2-Hexanone
Concen: 5.301 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Instrument :
MSVOA_W
ClientSampled :
C0AZ2RE

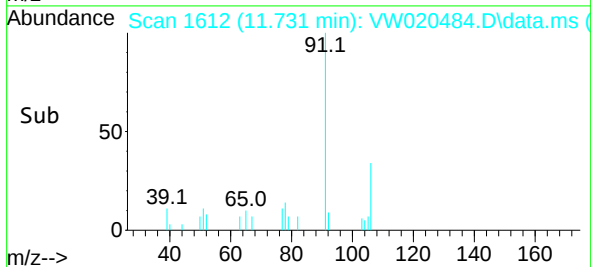
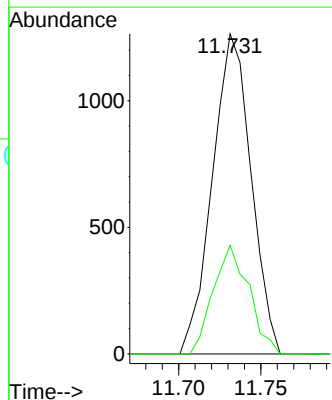
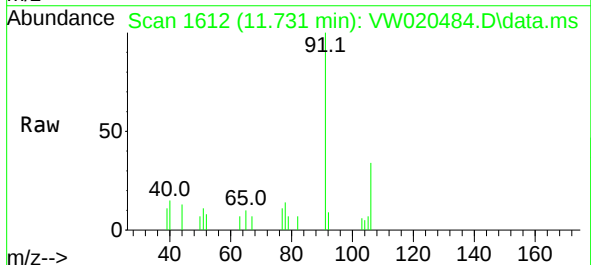


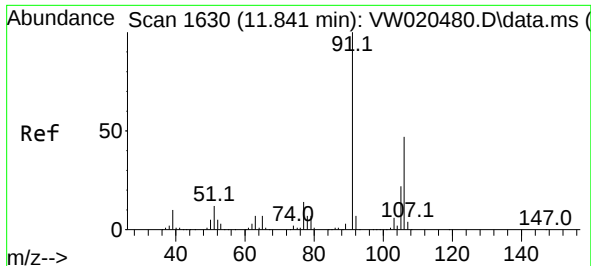
Tgt Ion: 43 Resp: 2051
Ion Ratio Lower Upper
43 100
58 21.3 39.5 59.3#
57 27.2 14.2 21.4#
100 0.0 8.2 12.4#



#52
Ethylbenzene
Concen: 0.560 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Tgt Ion: 91 Resp: 2066
Ion Ratio Lower Upper
91 100
106 33.9 21.3 39.5

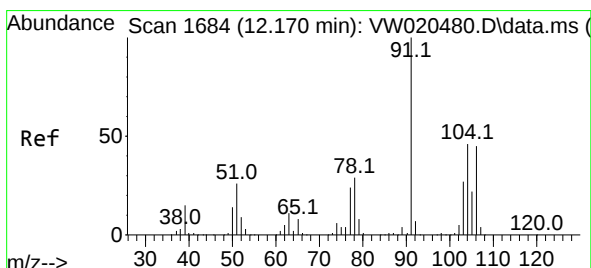
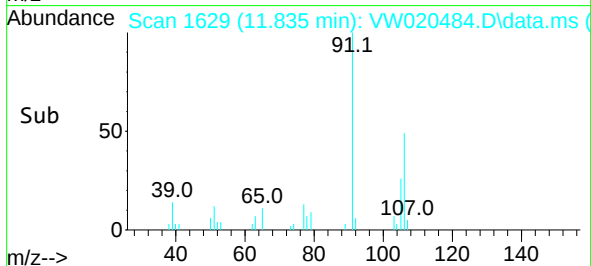
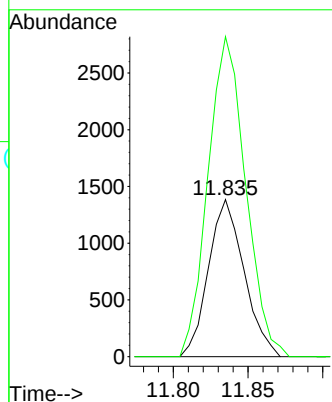
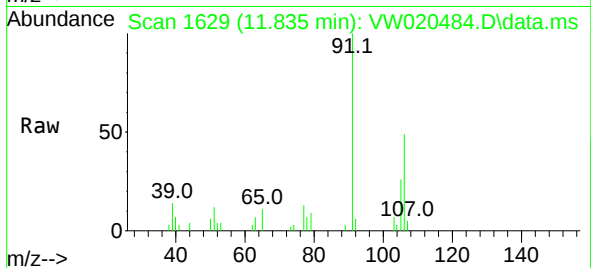




#53
m,p-Xylene
Concen: 1.678 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

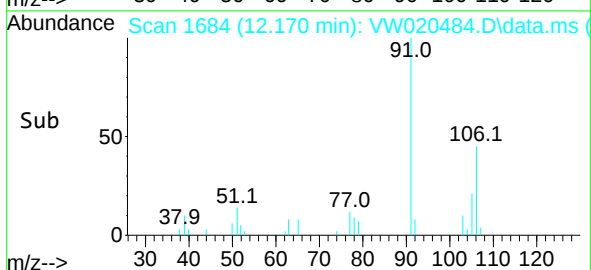
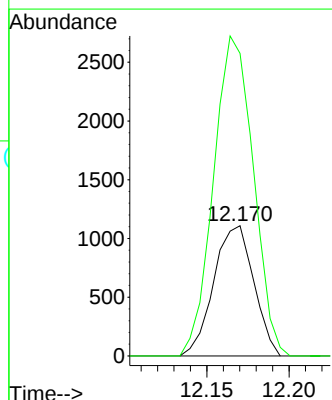
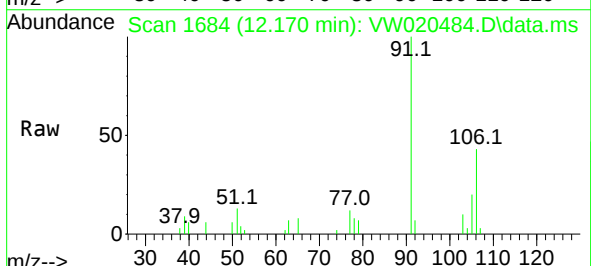
Instrument :
MSVOA_W
ClientSampleId :
C0AZ2RE

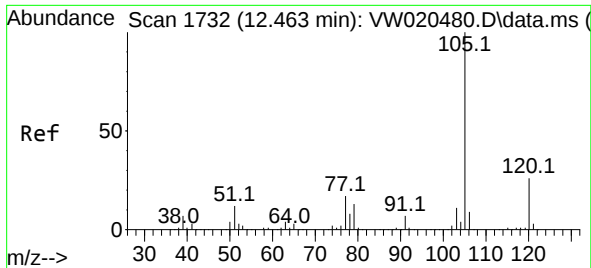
Tgt Ion:106 Resp: 2294
Ion Ratio Lower Upper
106 100
91 203.6 148.2 275.2



#54
o-Xylene
Concen: 1.484 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Tgt Ion:106 Resp: 1874
Ion Ratio Lower Upper
106 100
91 232.5 156.1 289.9

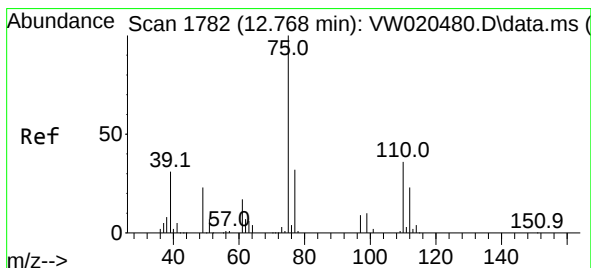
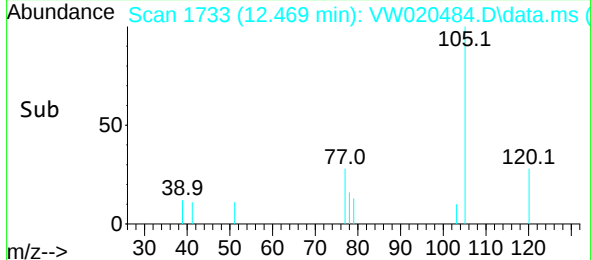
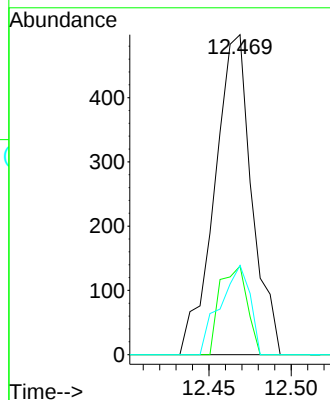
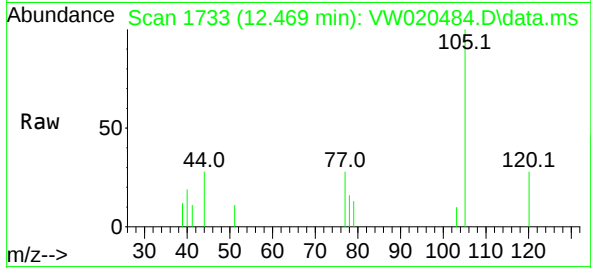




#60
Isopropylbenzene
Concen: 0.911 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

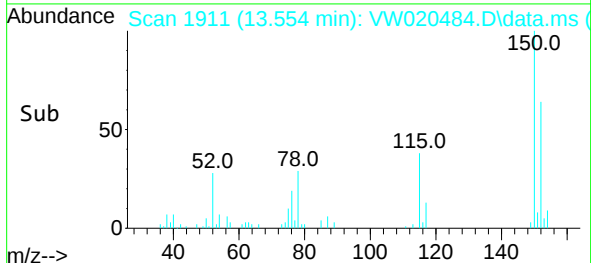
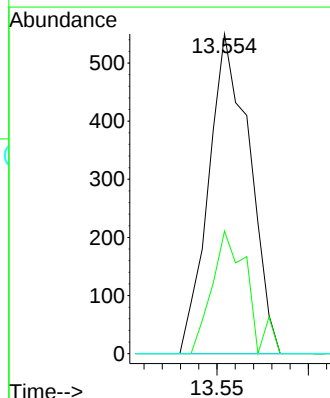
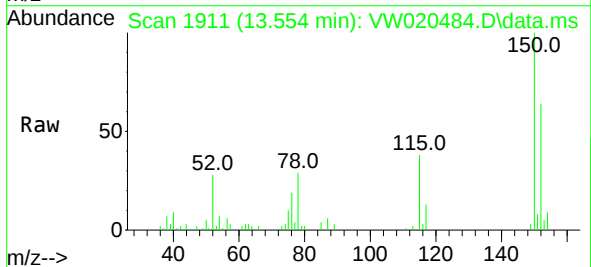
Instrument :
MSVOA_W
ClientSampled :
C0AZ2RE

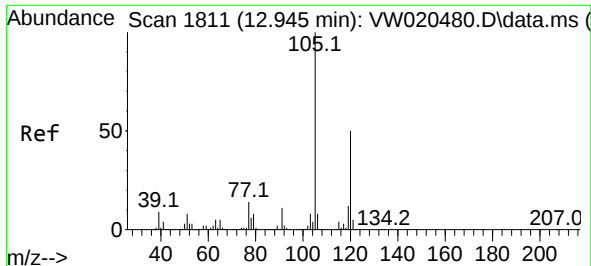
Tgt Ion:105 Resp: 783
Ion Ratio Lower Upper
105 100
120 20.3 20.3 30.5#
77 22.3 13.8 20.6#



#61
1,2,3-Trichloropropane
Concen: 6.627 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

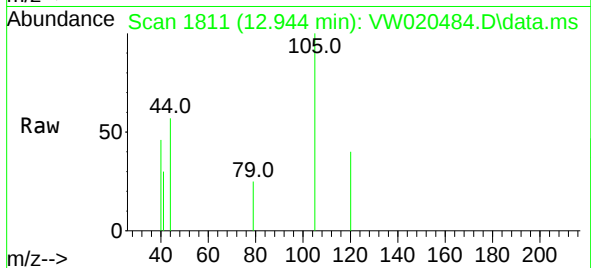
Tgt Ion: 75 Resp: 855
Ion Ratio Lower Upper
75 100
77 30.5 25.1 37.7
110 0.0 29.4 44.0#



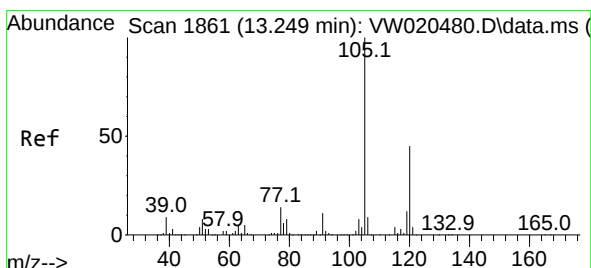
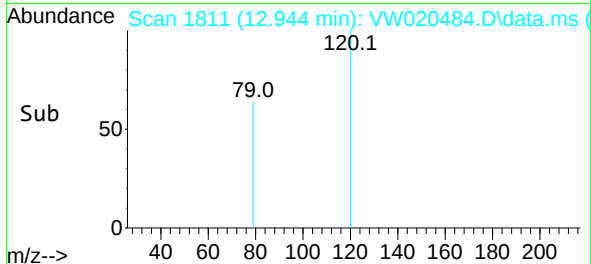
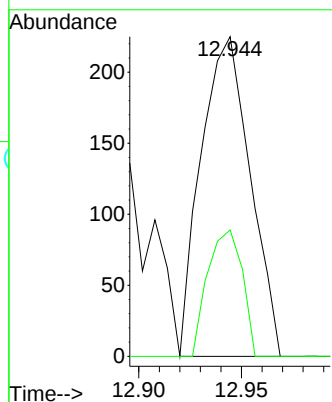


#62
1,3,5-Trimethylbenzene
Concen: 0.534 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Instrument :
MSVOA_W
ClientSampleId :
C0AZ2RE

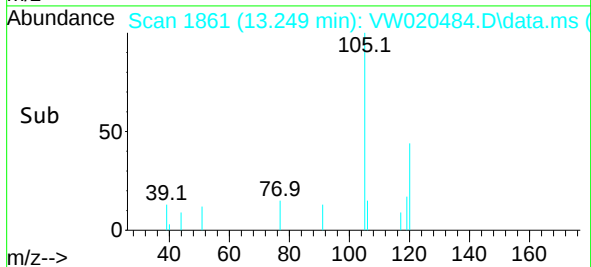
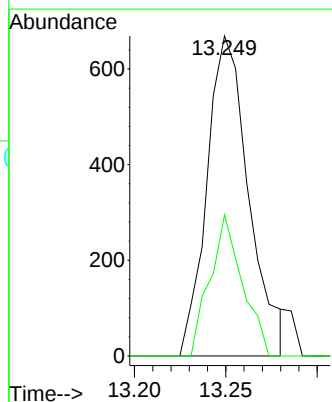
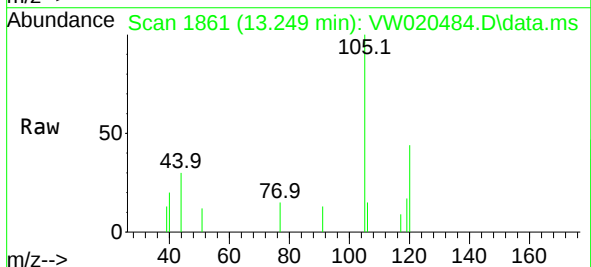


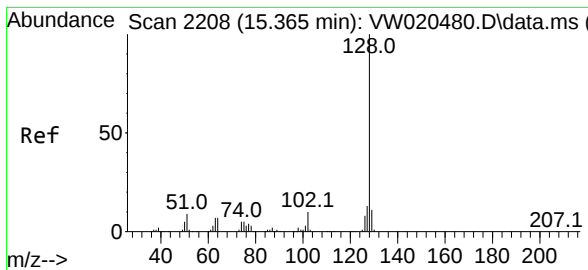
Tgt Ion:105 Resp: 375
Ion Ratio Lower Upper
105 100
120 27.7 37.9 56.9#



#63
1,2,4-Trimethylbenzene
Concen: 1.535 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Tgt Ion:105 Resp: 1067
Ion Ratio Lower Upper
105 100
120 34.1 35.4 53.2#





#71
Naphthalene
Concen: 1.486 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020484.D
Acq: 14 Oct 2021 11:10

Instrument :
MSVOA_W
ClientSampleId :
C0AZ2RE

Tgt Ion:128 Resp: 561
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

