

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021096.D
 Acq On : 04 Dec 2021 04:52
 Operator : SY/VA
 Sample : M4883-08
 Misc : 3.51g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 05:45:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	33634	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	31389	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	14898	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	15713	33.531	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	134.120%	
7) Chloroethane-d5	2.885	69	12818	40.861	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	163.440%#	
11) 1,1-Dichloroethene-d2	4.019	63	19428	25.952	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	103.800%	
21) 2-Butanone-d5	7.086	46	6214	58.136	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	116.280%	
24) Chloroform-d	7.653	84	30943	36.736	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	146.960%	
26) 1,2-Dichloroethane-d4	8.305	65	16438	35.672	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	142.680%#	
32) Benzene-d6	8.275	84	53854	33.555	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	134.240%	
36) 1,2-Dichloropropane-d6	9.275	67	17426	39.071	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	156.280%#	
41) Toluene-d8	10.329	98	50241	30.529	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	122.120%	
43) trans-1,3-Dichloroprop...	10.579	79	5073	25.049	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	100.200%	
47) 2-Hexanone-d5	10.927	63	4497	52.699	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	105.400%	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	11176	27.085	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	108.360%	
66) 1,2-Dichlorobenzene-d4	13.853	152	14721	27.578	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	110.320%	
Target Compounds						Qvalue
13) Acetone	4.141	43	470	4.827	ug/L	100
27) 1,2-Dichloroethane	8.409	62	1344	2.483	ug/L #	77
33) Benzene	8.323	78	4108	2.301	ug/L	100
34) Trichloroethene	9.092	95	39408	80.025	ug/L	89
35) Methylcyclohexane	9.335	83	472	0.569	ug/L	90
37) 1,2-Dichloropropane	9.281	63	2258	5.597	ug/L #	88
39) cis-1,3-Dichloropropene	10.030	75	594	0.910	ug/L	90
42) Toluene	10.390	91	5773	2.832	ug/L	96
46) Tetrachloroethene	10.866	164	1571	3.484	ug/L	89
48) 2-Hexanone	10.927	43	787	3.969	ug/L #	63
49) Dibromochloromethane	10.866	129	1294	3.061	ug/L #	10
53) m,p-Xylene	11.829	106	3563	3.753	ug/L	81
54) o-Xylene	12.170	106	2394	2.674	ug/L	82
62) 1,3,5-Trimethylbenzene	12.945	105	12043	6.946	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	22782	13.064	ug/L	95
71) Naphthalene	15.365	128	1353549	1236.692	ug/L	100

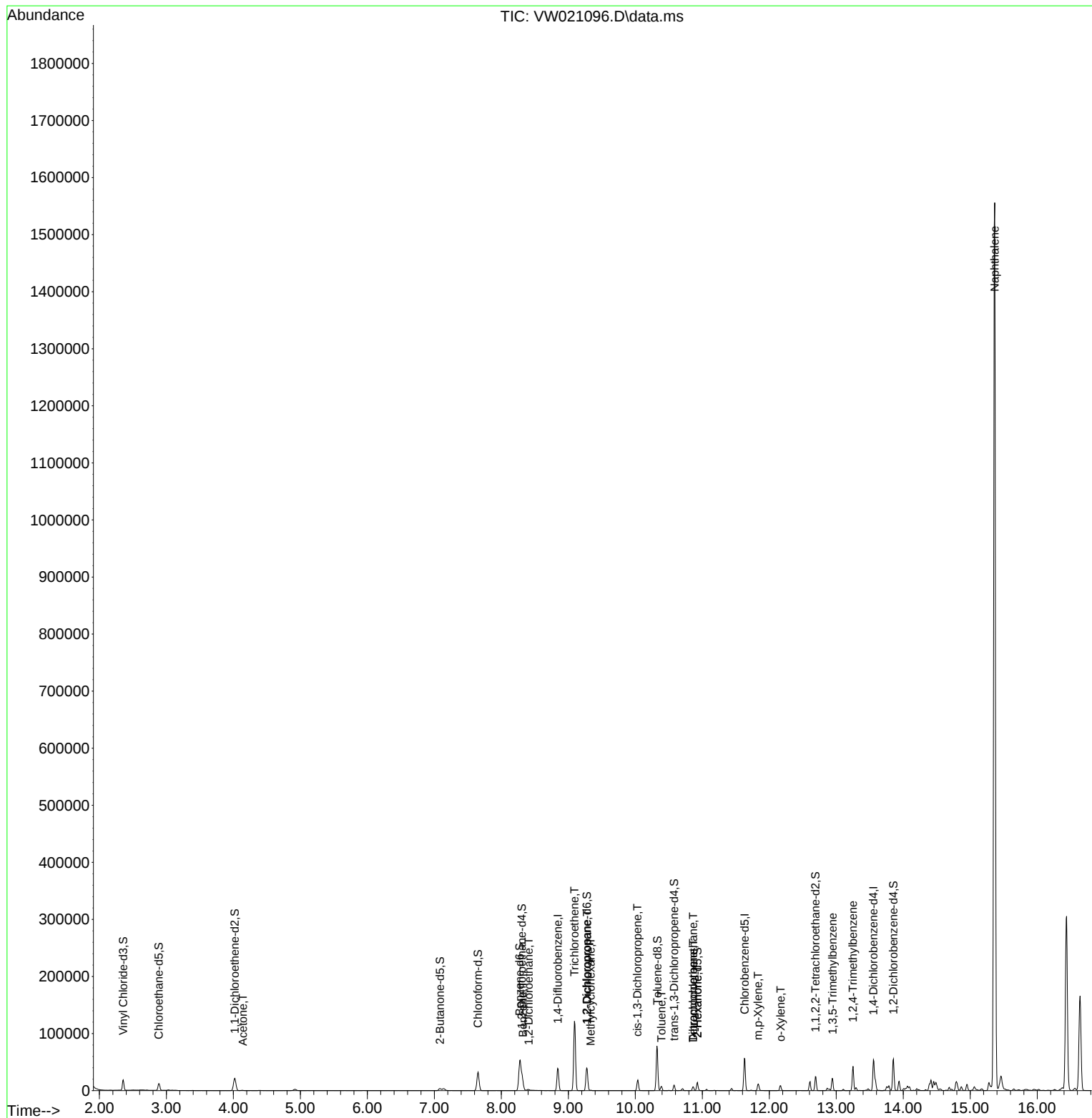
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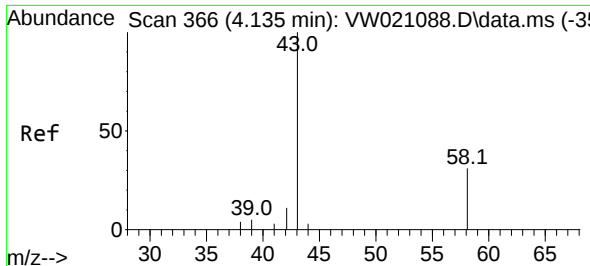
Instrument :
MSVOA_W
ClientSampleId :

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Quant Time: Dec 04 05:45:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration

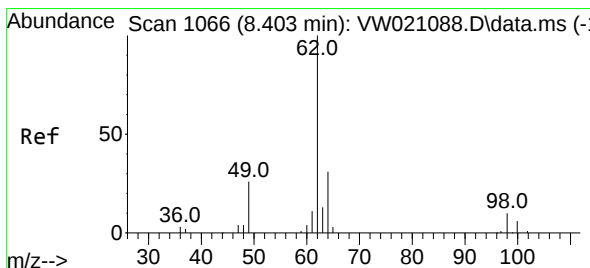
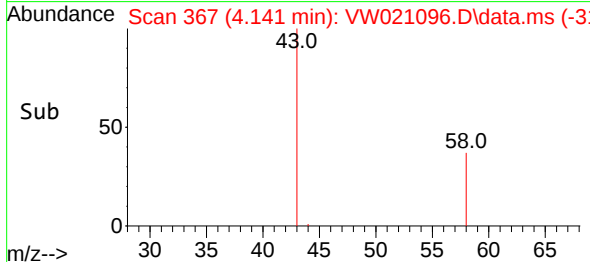
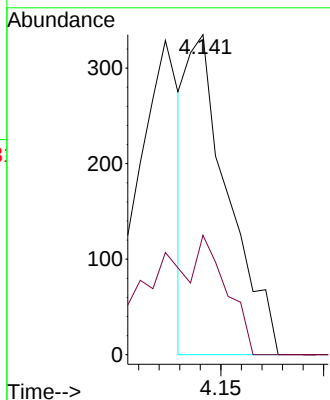
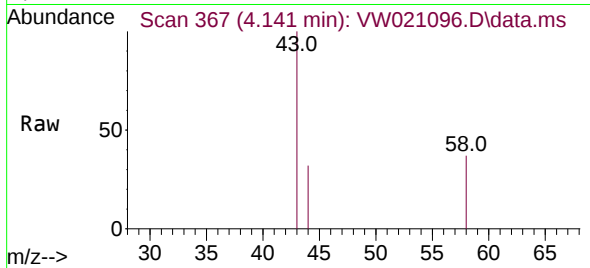




#13
Acetone
Concen: 4.827 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

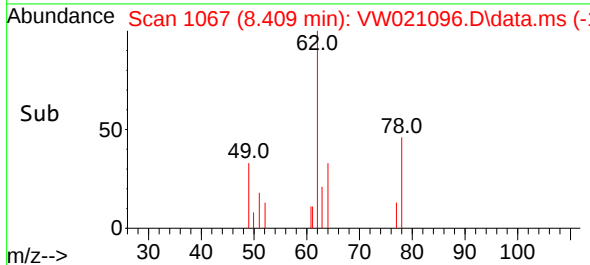
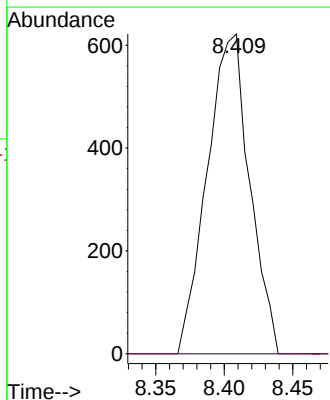
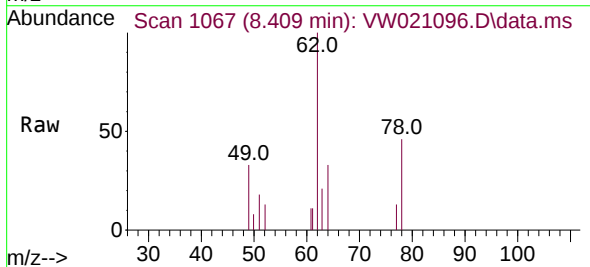
Instrument :
MSVOA_W
ClientSampleId :

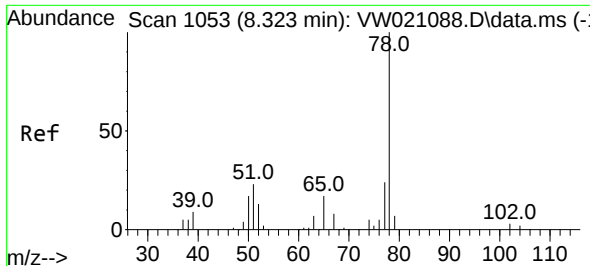
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
58 26.4 0.0 52.8



#27
1,2-Dichloroethane
Concen: 2.483 ug/L
RT: 8.409 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Tgt Ion: 62 Resp: 1344
Ion Ratio Lower Upper
62 100
98 0.0 6.5 9.7#

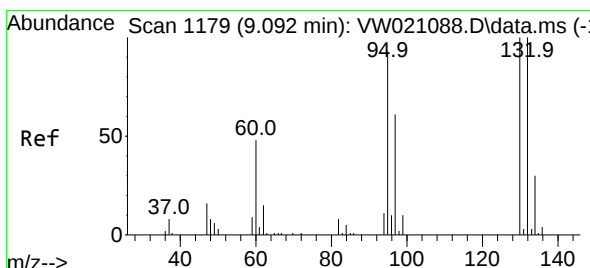
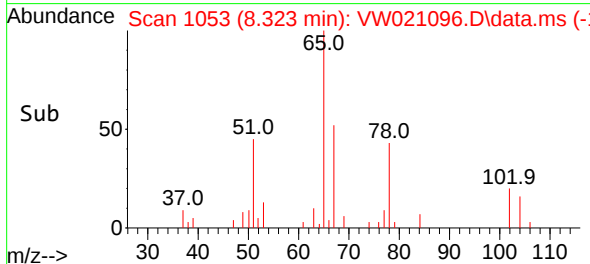
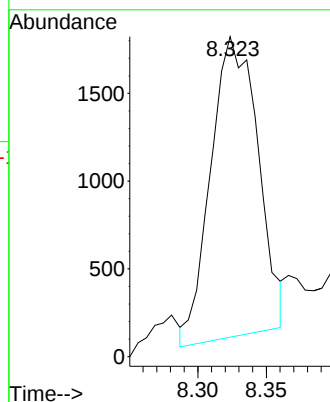
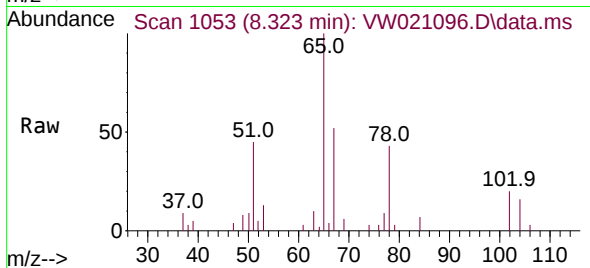




#33
Benzene
Concen: 2.301 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Instrument :
MSVOA_W
ClientSampleId :

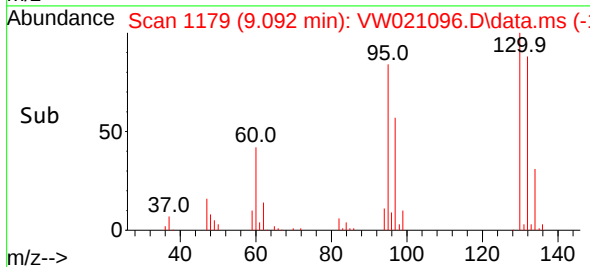
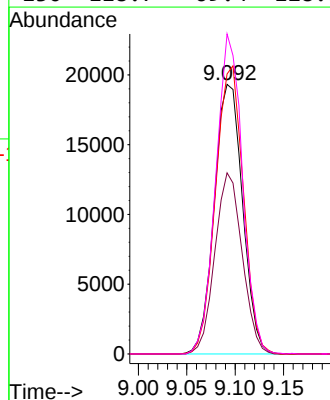
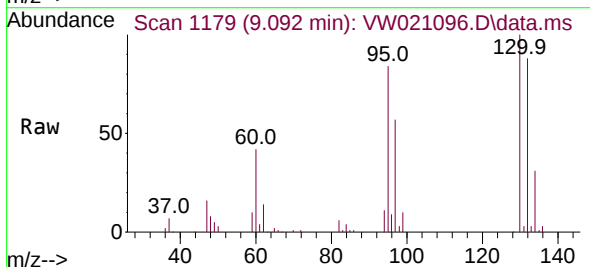
Tgt Ion: 78 Resp: 4108

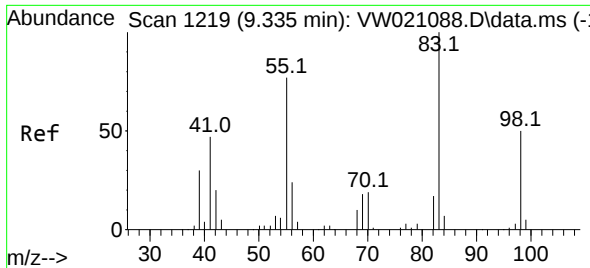


#34
Trichloroethene
Concen: 80.025 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Tgt Ion: 95 Resp: 39408

Ion	Ratio	Lower	Upper
95	100		
97	67.2	47.0	87.2
132	103.9	65.5	121.6
130	118.7	69.4	128.8

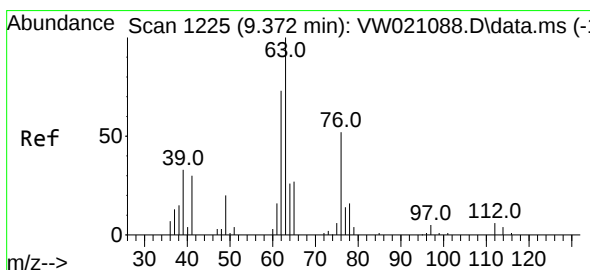
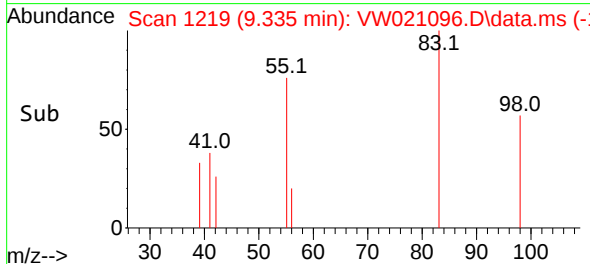
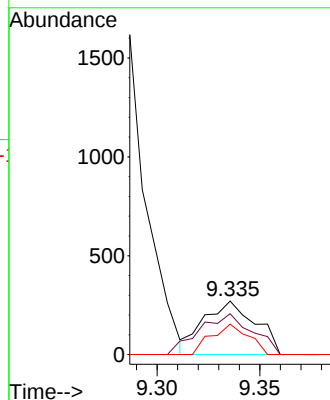
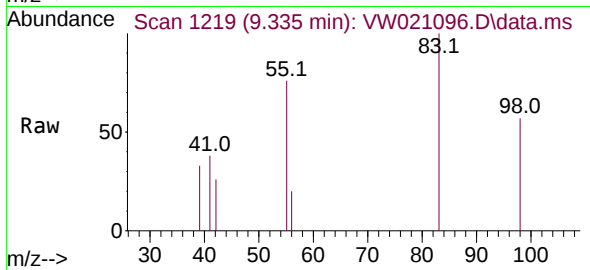




#35
Methylcyclohexane
Concen: 0.569 ug/L
RT: 9.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

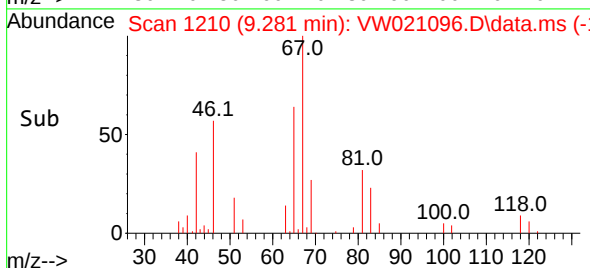
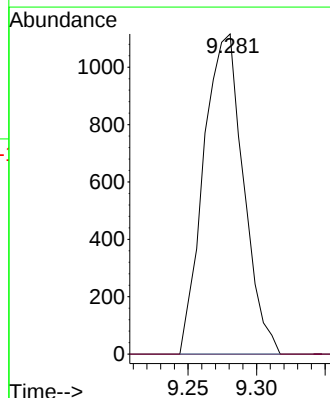
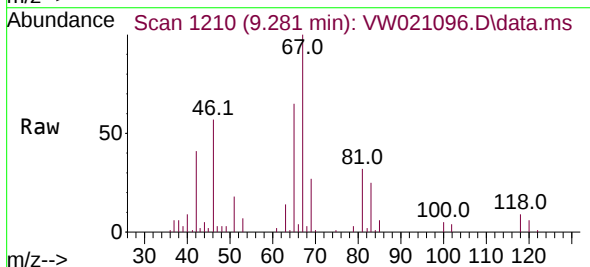
Instrument :
MSVOA_W
ClientSampleId :

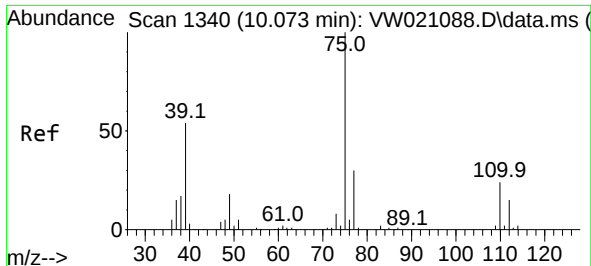
Tgt Ion: 83 Resp: 472
Ion Ratio Lower Upper
83 100
55 78.6 70.8 106.2
98 41.1 37.7 56.5



#37
1,2-Dichloropropane
Concen: 5.597 ug/L
RT: 9.281 min Scan# 1210
Delta R.T. -0.091 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Tgt Ion: 63 Resp: 2258
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.910 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021096.D

Acq: 04 Dec 2021 04:52

Instrument :

MSVOA_W

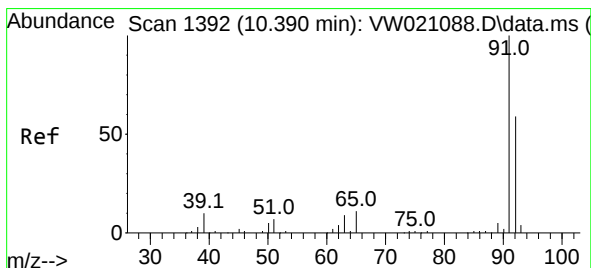
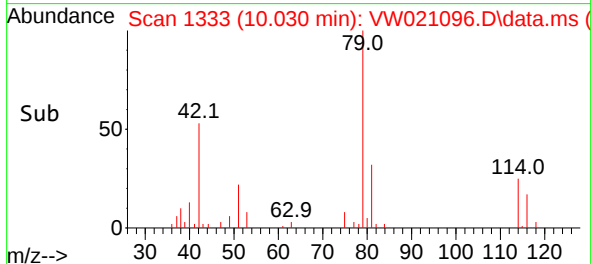
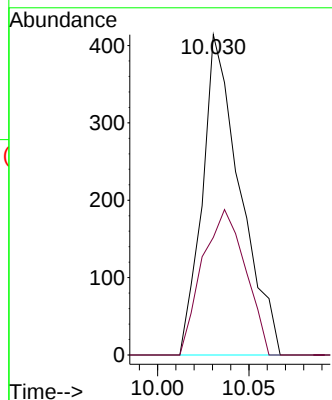
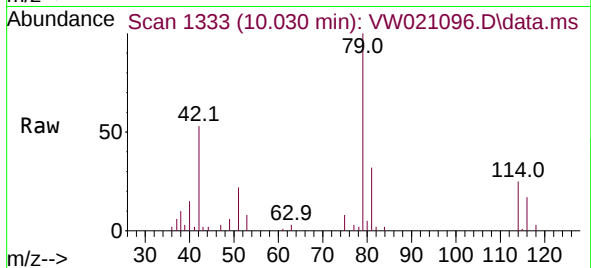
ClientSampleId :

Tgt Ion: 75 Resp: 594

Ion Ratio Lower Upper

75 100

77 36.7 21.8 40.6



#42

Toluene

Concen: 2.832 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021096.D

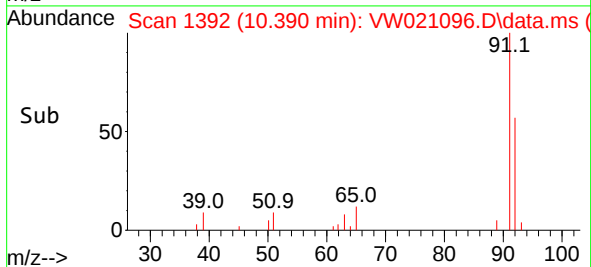
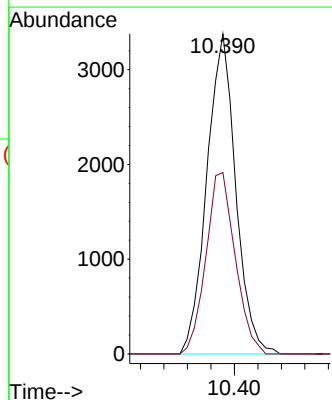
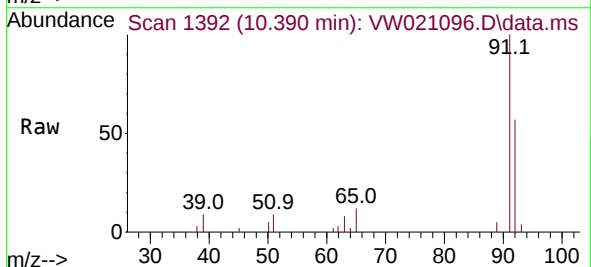
Acq: 04 Dec 2021 04:52

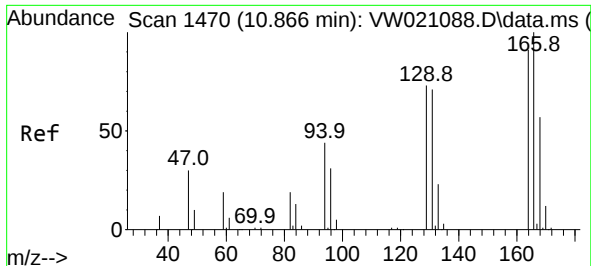
Tgt Ion: 91 Resp: 5773

Ion Ratio Lower Upper

91 100

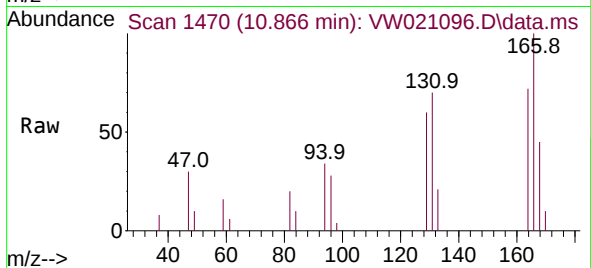
92 56.7 41.7 77.5





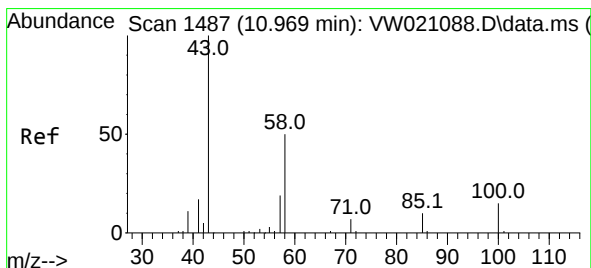
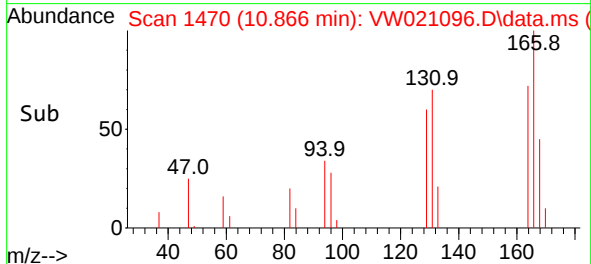
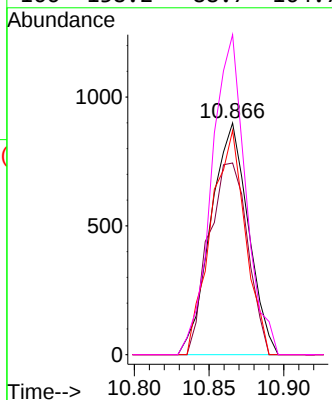
#46
Tetrachloroethene
Concen: 3.484 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:164 Resp: 1571

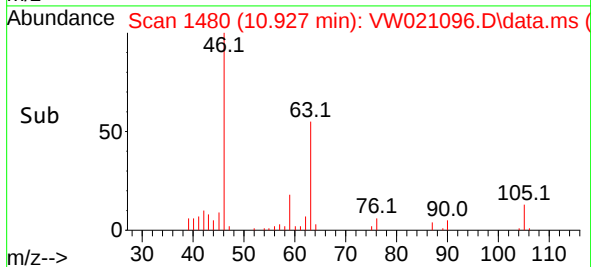
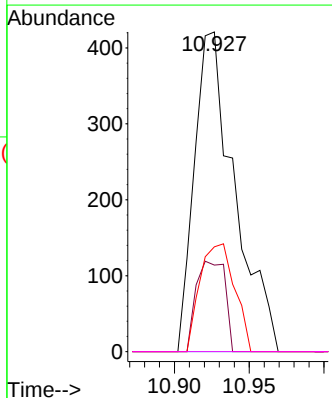
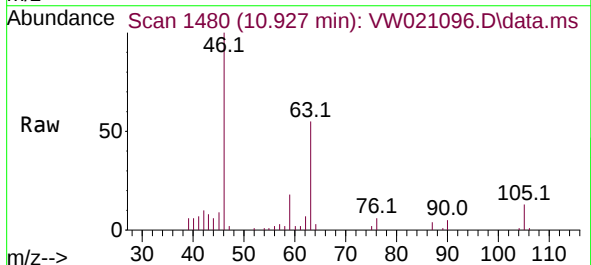
Ion	Ratio	Lower	Upper
164	100		
129	82.8	65.5	121.7
131	96.8	59.7	110.9
166	138.2	88.7	164.7

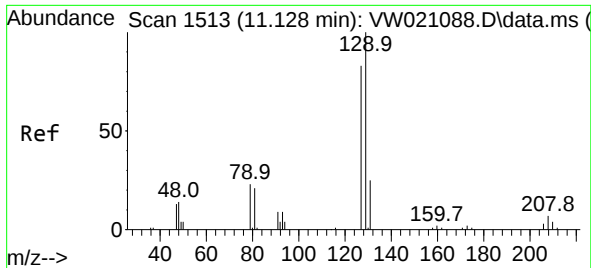


#48
2-Hexanone
Concen: 3.969 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Tgt Ion: 43 Resp: 787

Ion	Ratio	Lower	Upper
43	100		
58	20.2	40.2	60.2#
57	29.1	14.3	21.5#
100	0.0	8.0	12.0#





#49

Dibromochloromethane

Concen: 3.061 ug/L

RT: 10.866 min Scan# 14

Delta R.T. -0.262 min

Lab File: VW021096.D

Acq: 04 Dec 2021 04:52

Instrument :

MSVOA_W

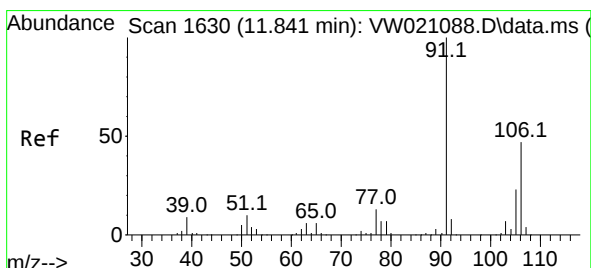
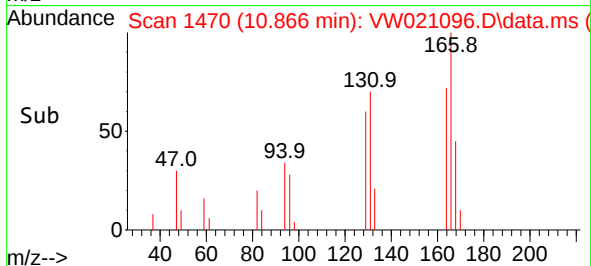
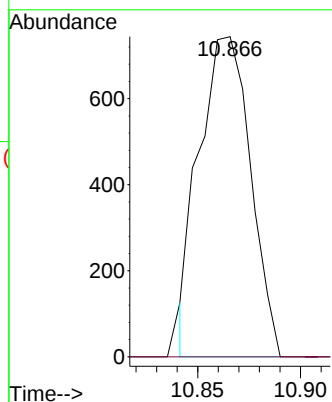
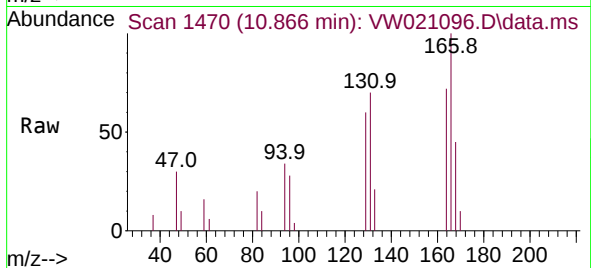
ClientSampleId :

Tgt Ion:129 Resp: 1294

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#53

m,p-Xylene

Concen: 3.753 ug/L

RT: 11.829 min Scan# 1628

Delta R.T. -0.012 min

Lab File: VW021096.D

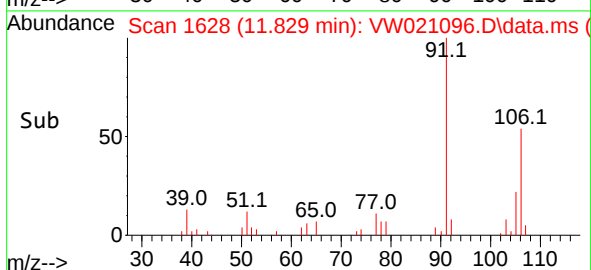
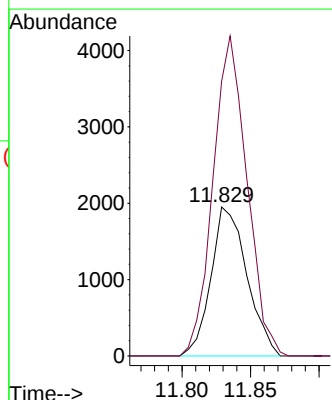
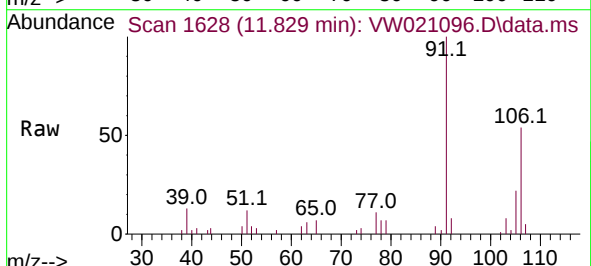
Acq: 04 Dec 2021 04:52

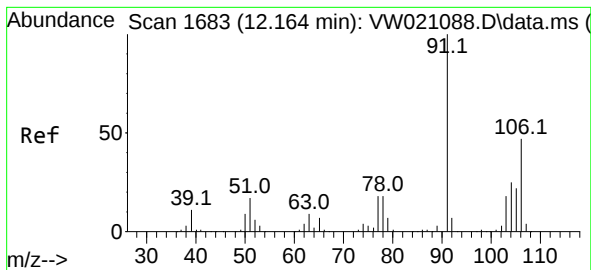
Tgt Ion:106 Resp: 3563

Ion Ratio Lower Upper

106 100

91 184.5 149.9 278.3





#54

o-Xylene

Concen: 2.674 ug/L

RT: 12.170 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021096.D

Acq: 04 Dec 2021 04:52

Instrument :

MSVOA_W

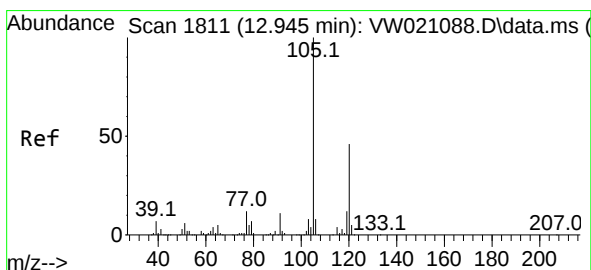
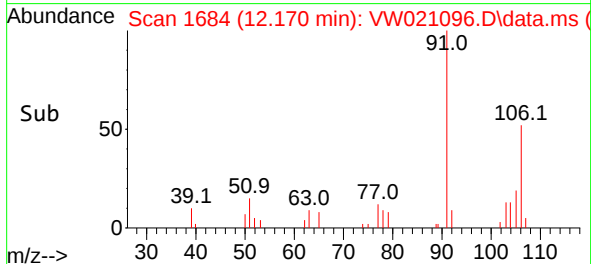
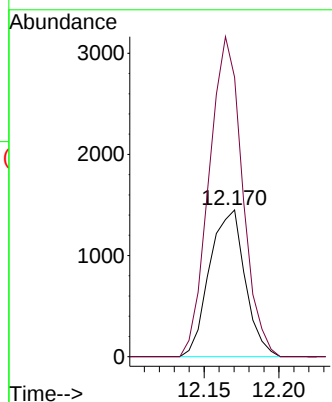
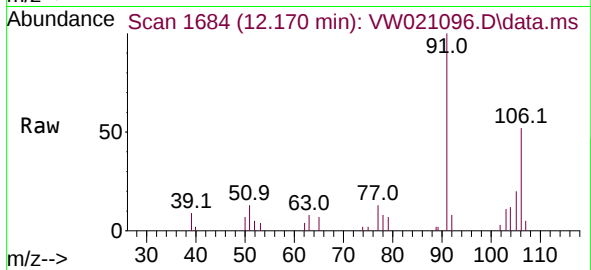
ClientSampleId :

Tgt Ion:106 Resp: 2394

Ion Ratio Lower Upper

106 100

91 190.6 153.6 285.3



#62

1,3,5-Trimethylbenzene

Concen: 6.946 ug/L

RT: 12.945 min Scan# 1811

Delta R.T. -0.000 min

Lab File: VW021096.D

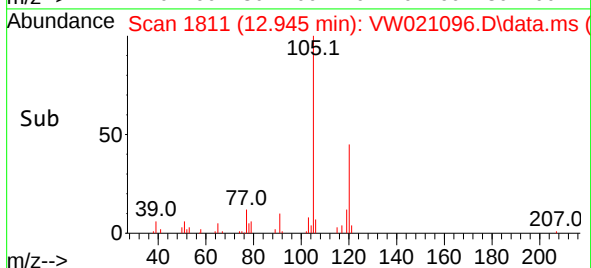
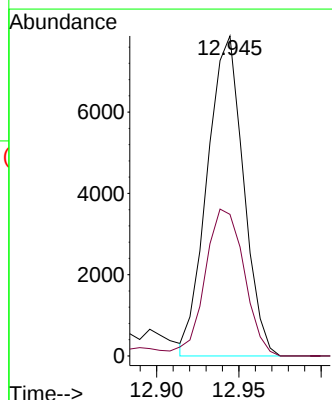
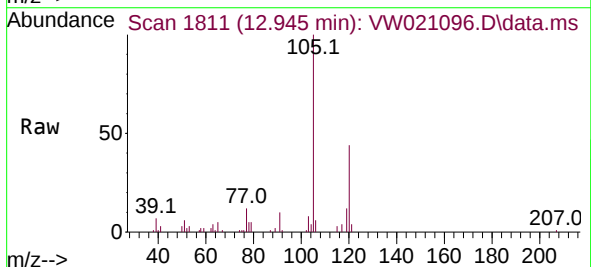
Acq: 04 Dec 2021 04:52

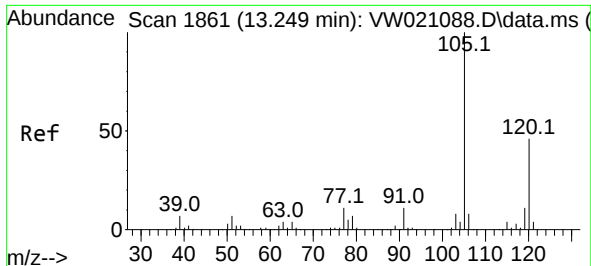
Tgt Ion:105 Resp: 12043

Ion Ratio Lower Upper

105 100

120 49.4 37.4 56.2

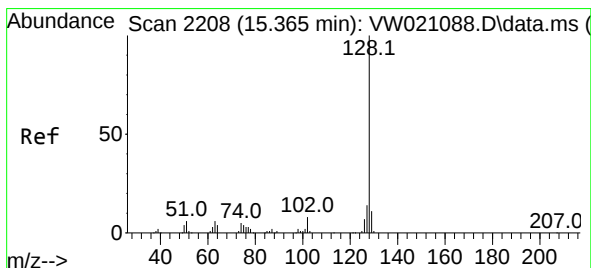
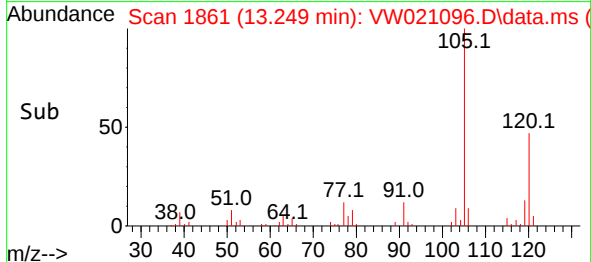
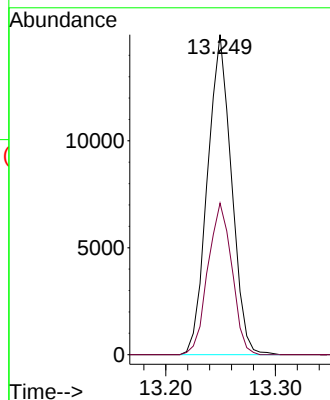
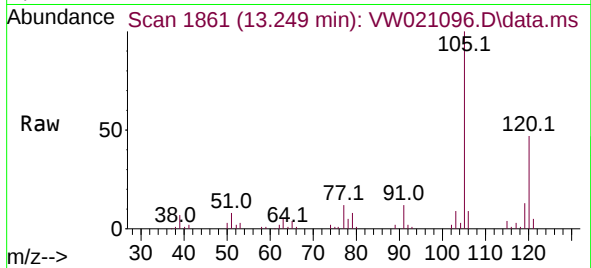




#63
1,2,4-Trimethylbenzene
Concen: 13.064 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 22782
Ion Ratio Lower Upper
105 100
120 47.3 35.0 52.6



#71
Naphthalene
Concen: 1236.692 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW021096.D
Acq: 04 Dec 2021 04:52

Tgt Ion:128 Resp: 1353549
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.7 8.6 12.8

