

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045098.D
 Acq On : 04 Oct 2021 15:59
 Operator : SY/MD
 Sample : M3996-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A22

Quant Time: Oct 05 02:46:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

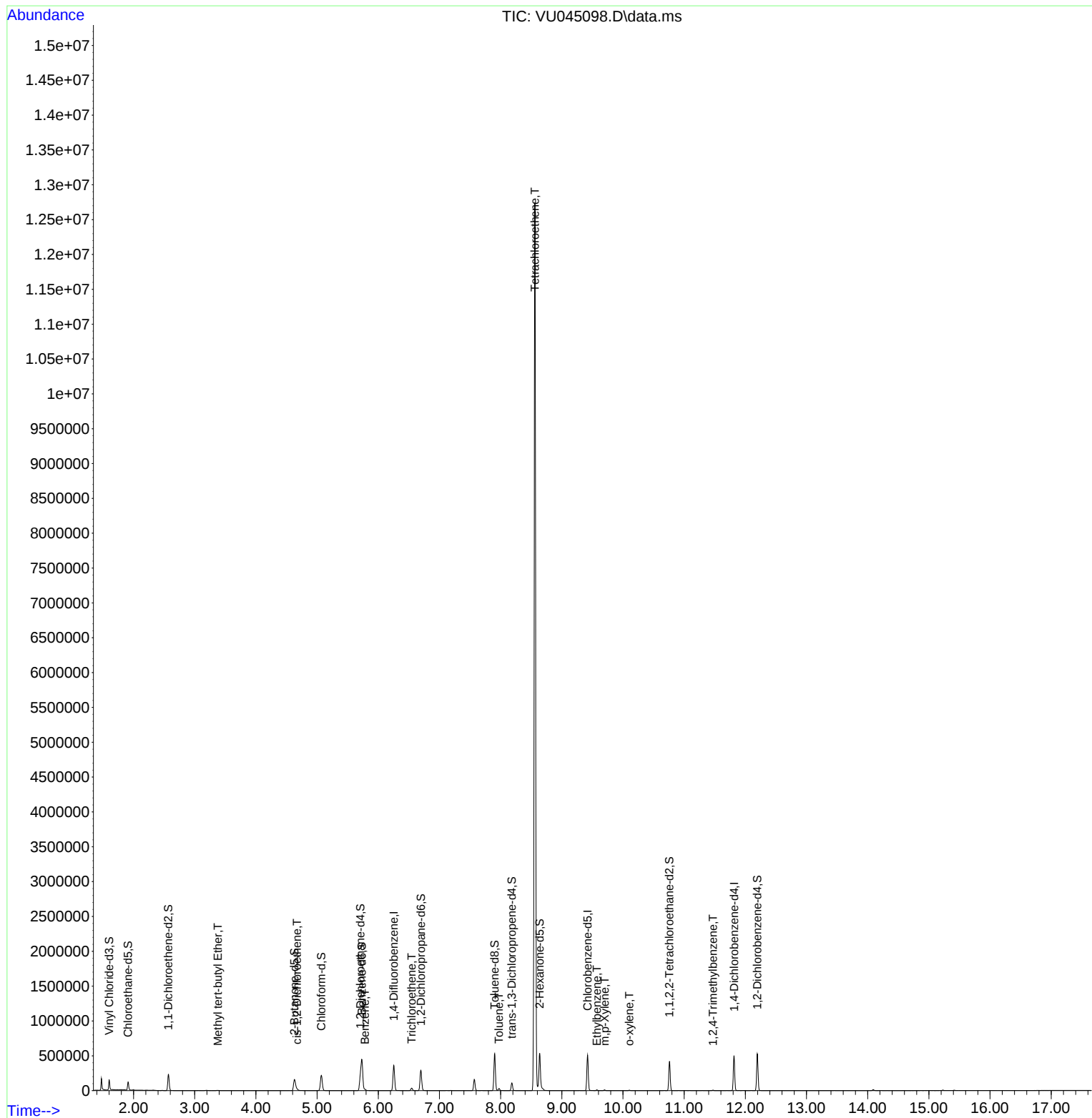
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	279179	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	265863	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	124239	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	95368	31.20	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	62.40%		
7) Chloroethane-d5	1.909	69	88527	36.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	73.10%		
11) 1,1-Dichloroethene-d2	2.569	63	140043	27.29	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.58%#		
21) 2-Butanone-d5	4.630	46	244013	100.99	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.99%		
24) Chloroform-d	5.070	84	201463	41.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.48%		
26) 1,2-Dichloroethane-d4	5.707	65	143699	43.95	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.90%		
32) Benzene-d6	5.732	84	399667	43.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.64%		
36) 1,2-Dichloropropane-d6	6.697	67	133717	44.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.90%		
41) Toluene-d8	7.903	98	338050	42.46	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.92%		
43) trans-1,3-Dichloroprop...	8.183	79	58870	44.00	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.00%		
47) 2-Hexanone-d5	8.636	63	180612	108.35	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.35%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	206927	44.18	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.36%		
66) 1,2-Dichlorobenzene-d4	12.195	152	127070	47.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.00%		
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	3.376	73	3797	0.51	ug/L	# 90
20) cis-1,2-Dichloroethene	4.671	96	5393	2.15	ug/L	83
33) Benzene	5.781	78	16120	1.63	ug/L	100
34) Trichloroethene	6.546	95	11876	5.01	ug/L	97
42) Toluene	7.974	91	21043	2.10	ug/L	99
46) Tetrachloroethene	8.559	164	2632468	1555.02	ug/L	98
52) Ethylbenzene	9.575	91	8010	0.76	ug/L	98
53) m,p-Xylene	9.700	106	3178	0.79	ug/L	79
54) o-xylene	10.102	106	1894	0.48	ug/L	96
63) 1,2,4-Trimethylbenzene	11.472	105	4117	0.53	ug/L	98

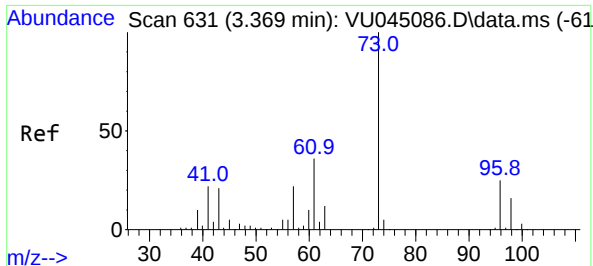
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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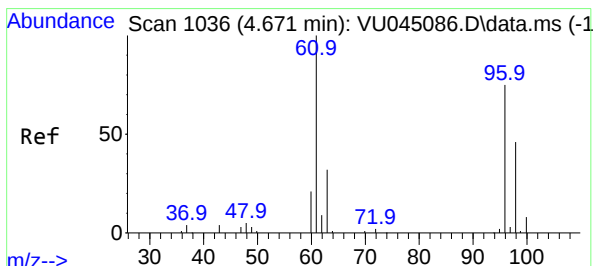
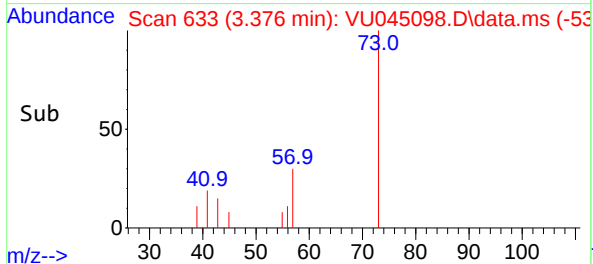
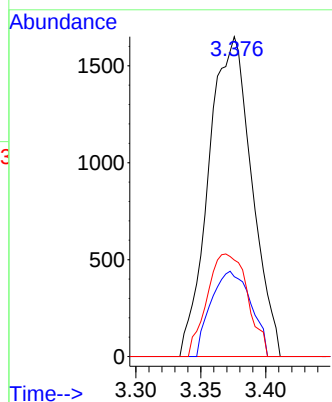
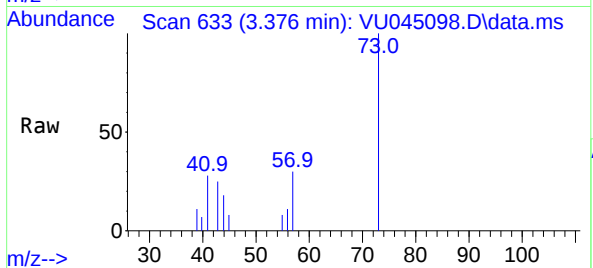


#18

Methyl tert-butyl Ether
Concen: 0.51 ug/L
RT: 3.376 min Scan# 633
Delta R.T. 0.007 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Instrument :
MSVOA_U
ClientSampled :
F4A22

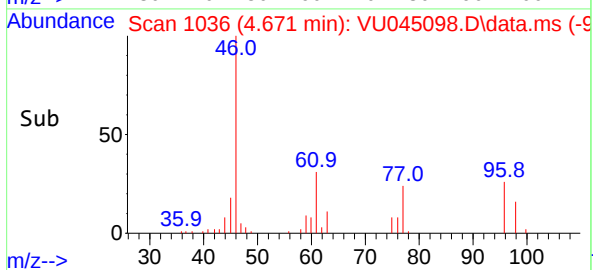
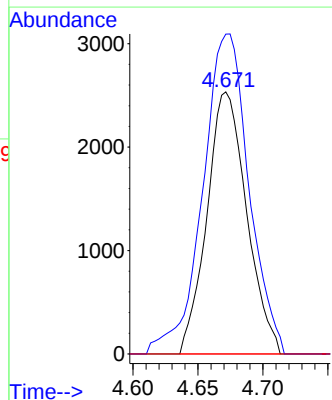
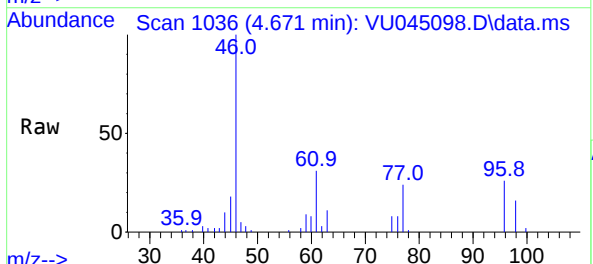
Tgt Ion: 73 Resp: 3797
Ion Ratio Lower Upper
73 100
43 24.7 17.3 25.9
57 30.2 18.7 28.1#

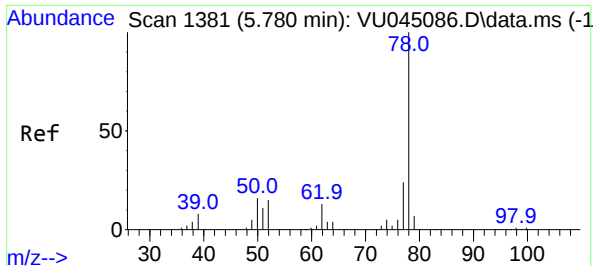


#20

cis-1,2-Dichloroethene
Concen: 2.15 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Tgt Ion: 96 Resp: 5393
Ion Ratio Lower Upper
96 100
61 122.1 100.2 186.0
68 0.0 0.0 0.0

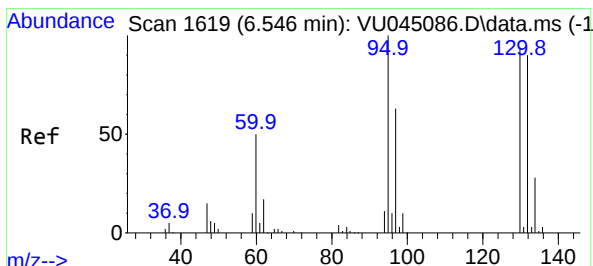
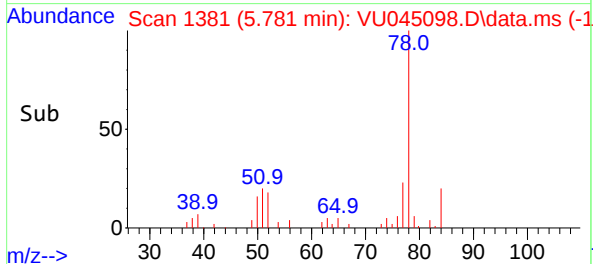
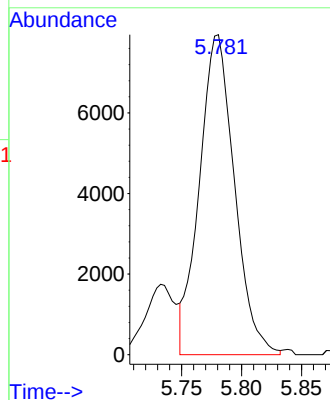
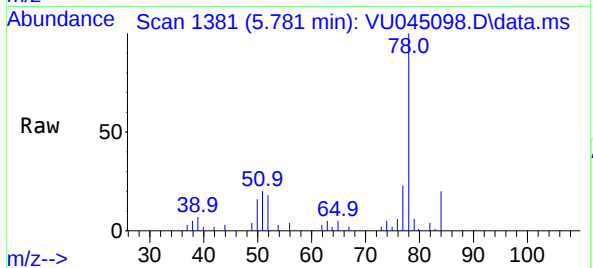




Benzene
Concen: 1.63 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Instrument :
MSVOA_U
ClientSampleId :
F4A22

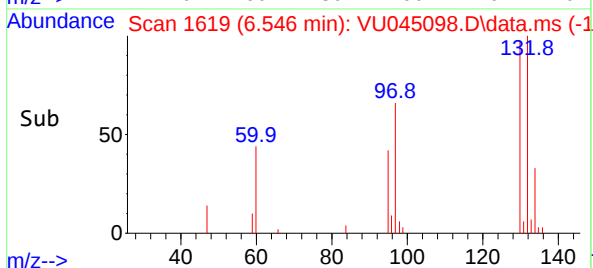
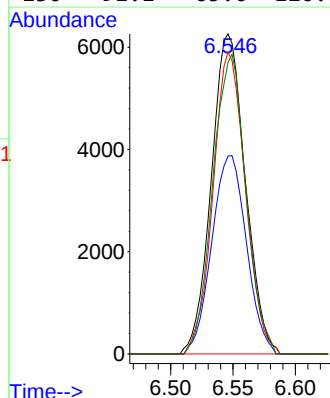
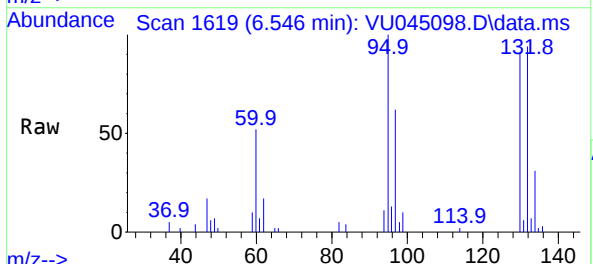
Tgt Ion: 78 Resp: 16120

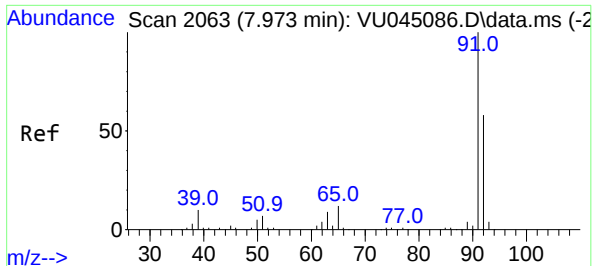


Trichloroethene
Concen: 5.01 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Tgt Ion: 95 Resp: 11876

Ion	Ratio	Lower	Upper
95	100		
97	61.9	44.4	82.4
132	94.4	62.9	116.9
130	91.1	65.0	120.8

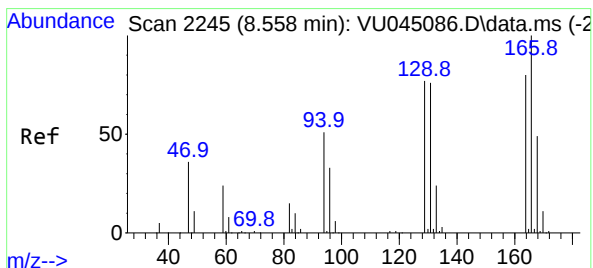
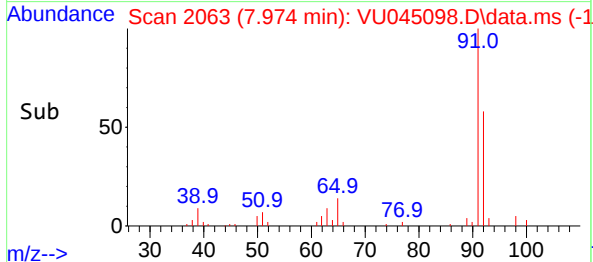
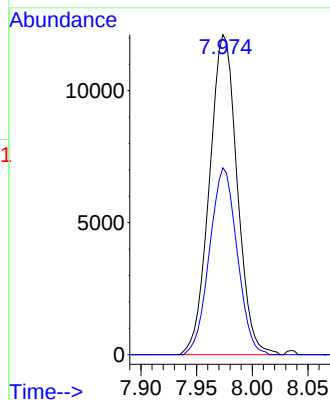
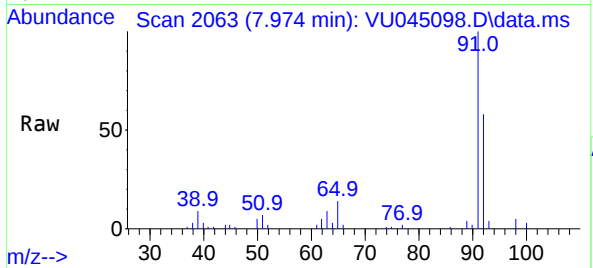




#42
Toluene
Concen: 2.10 ug/L
RT: 7.974 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

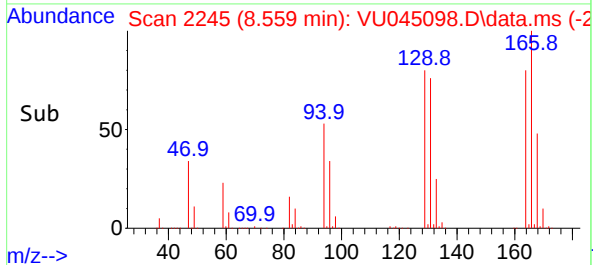
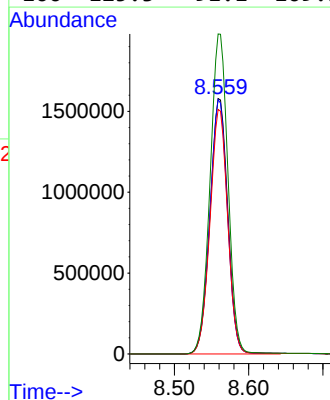
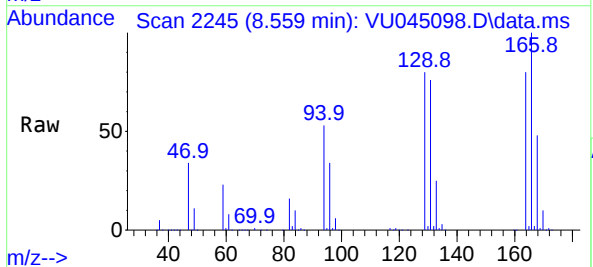
Instrument :
MSVOA_U
ClientSampled :
F4A22

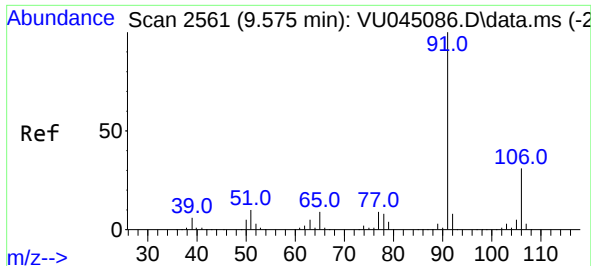
Tgt Ion: 91 Resp: 21043
Ion Ratio Lower Upper
91 100
92 58.4 40.5 75.1



#46
Tetrachloroethene
Concen: 1555.02 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Tgt Ion:164 Resp: 2632468
Ion Ratio Lower Upper
164 100
129 99.6 69.8 129.6
131 95.8 66.4 123.2
166 125.3 91.1 169.3

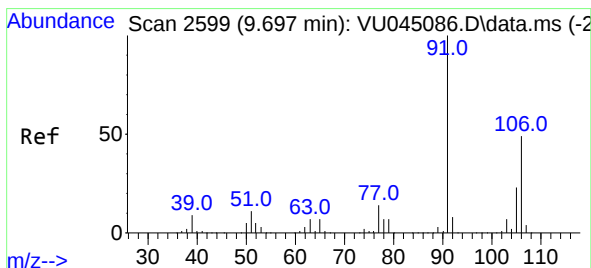
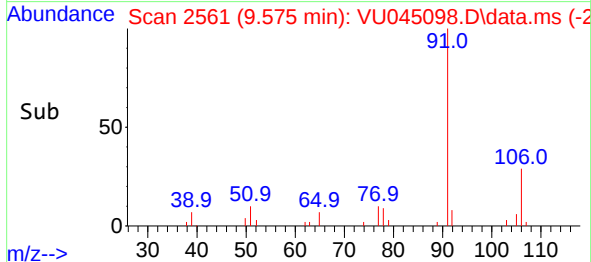
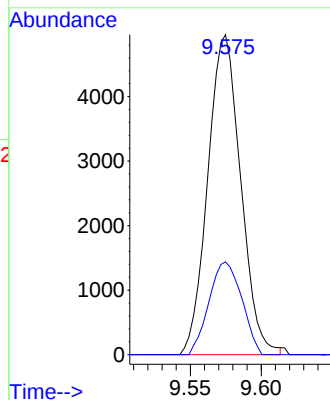
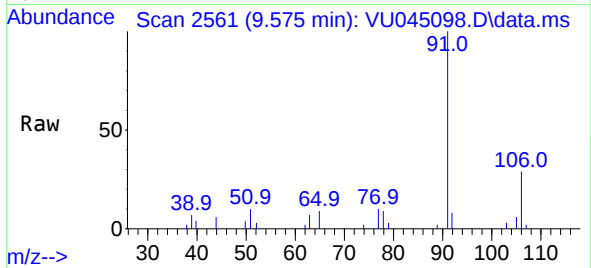




#52
Ethylbenzene
Concen: 0.76 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

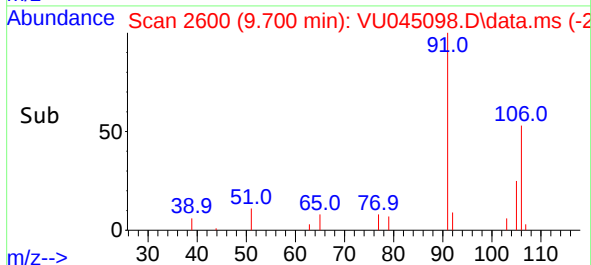
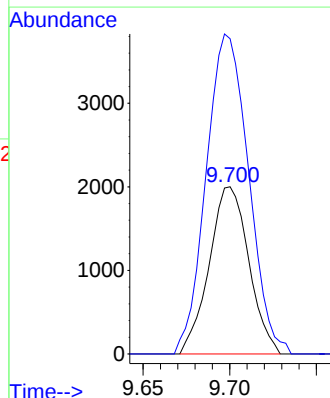
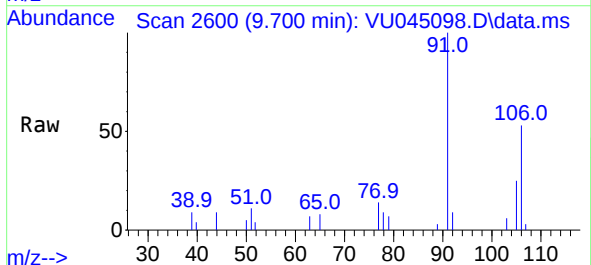
Instrument :
MSVOA_U
ClientSampled :
F4A22

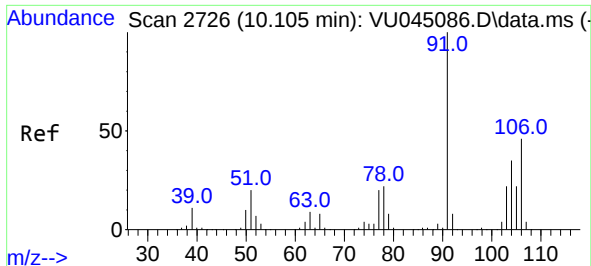
Tgt Ion: 91 Resp: 8010
Ion Ratio Lower Upper
91 100
106 29.0 21.2 39.4



#53
m,p-Xylene
Concen: 0.79 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Tgt Ion: 106 Resp: 3178
Ion Ratio Lower Upper
106 100
91 176.8 146.7 272.4

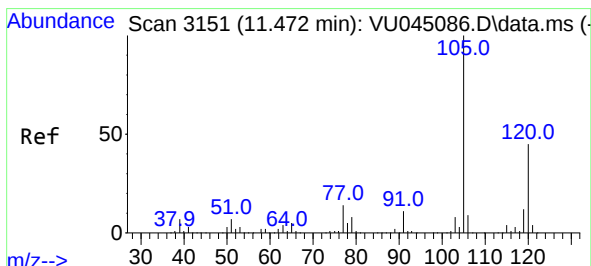
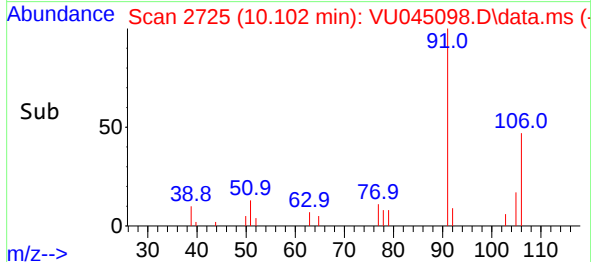
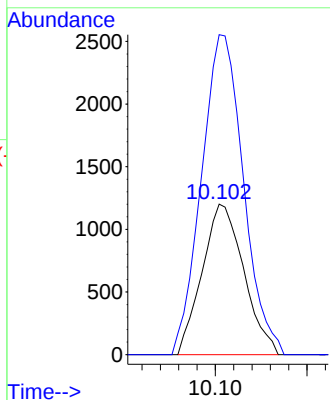
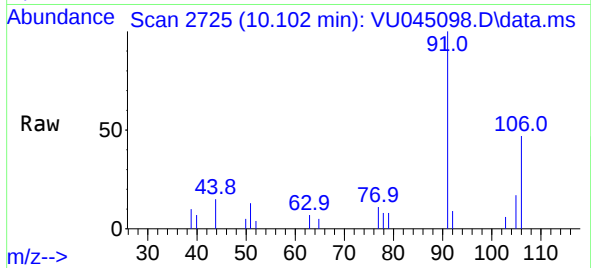




#54
o-xylene
Concen: 0.48 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Instrument :
MSVOA_U
ClientSampled :
F4A22

Tgt Ion:106 Resp: 1894
Ion Ratio Lower Upper
106 100
91 212.7 152.9 283.9



#63
1,2,4-Trimethylbenzene
Concen: 0.53 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU045098.D
Acq: 04 Oct 2021 15:59

Tgt Ion:105 Resp: 4117
Ion Ratio Lower Upper
105 100
120 43.4 35.7 53.5

