

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045099.D
 Acq On : 04 Oct 2021 16:22
 Operator : SY/MD
 Sample : M3996-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A24

Quant Time: Oct 05 02:46:20 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)

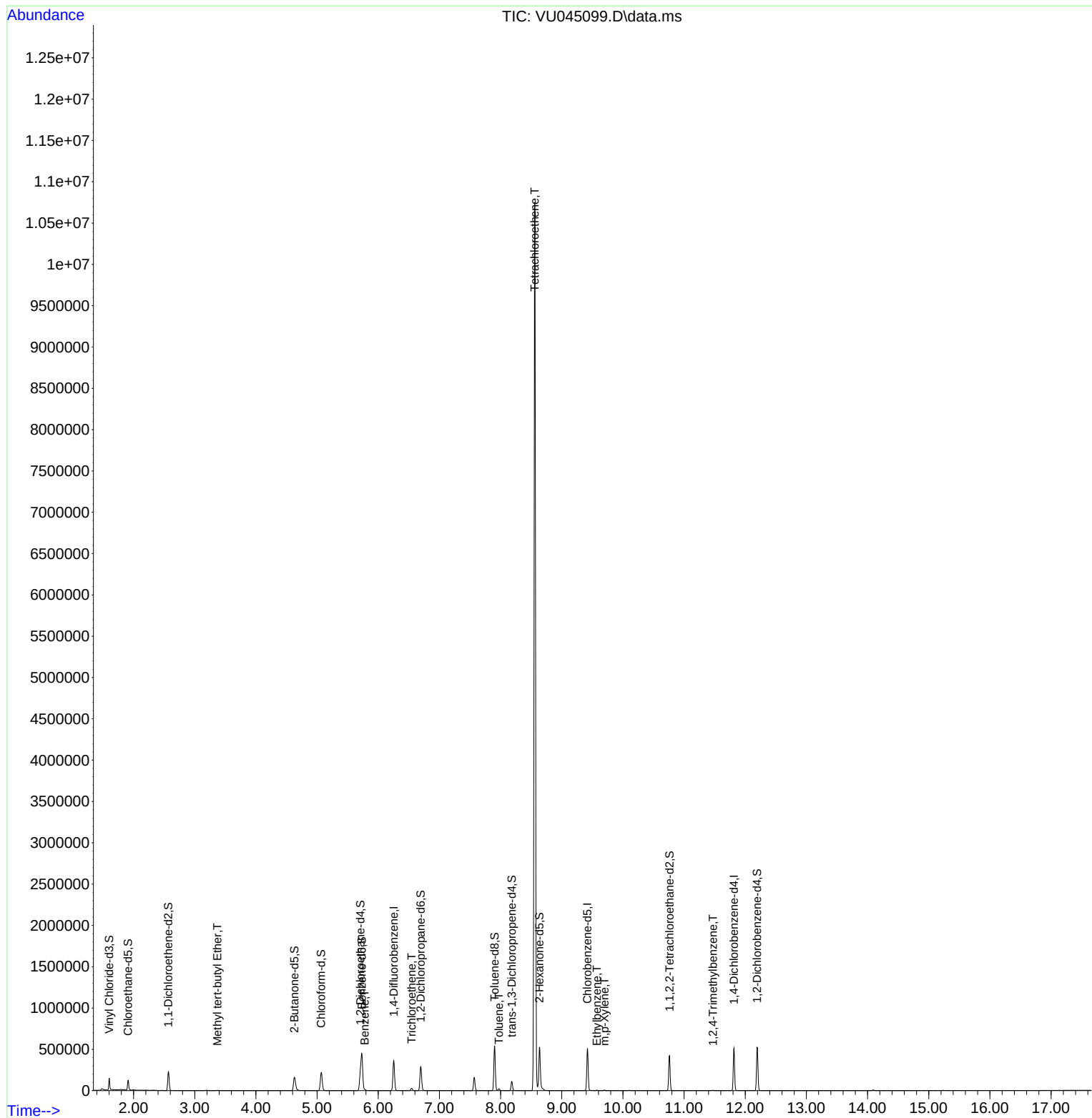
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	281128	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	267051	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	124189	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	95612	31.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.14%
7) Chloroethane-d5	1.909	69	90705	37.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.38%
11) 1,1-Dichloroethene-d2	2.568	63	140163	27.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.24%#
21) 2-Butanone-d5	4.629	46	243015	99.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.88%
24) Chloroform-d	5.067	84	200018	41.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.30%
26) 1,2-Dichloroethane-d4	5.707	65	144305	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.66%
32) Benzene-d6	5.732	84	400876	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
36) 1,2-Dichloropropane-d6	6.694	67	133026	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.06%
41) Toluene-d8	7.903	98	342311	42.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.62%
43) trans-1,3-Dichloroprop...	8.182	79	60366	44.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.82%
47) 2-Hexanone-d5	8.636	63	179919	107.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.45%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	211433	44.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.88%
66) 1,2-Dichlorobenzene-d4	12.195	152	127620	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%
Target Compounds						
					Qvalue	
18) Methyl tert-butyl Ether	3.369	73	3656	0.48	ug/L	97
33) Benzene	5.777	78	9998	1.01	ug/L	100
34) Trichloroethene	6.546	95	9306	3.91	ug/L	99
42) Toluene	7.973	91	14509	1.44	ug/L	95
46) Tetrachloroethene	8.558	164	2233304	1313.36	ug/L	98
52) Ethylbenzene	9.575	91	4941	0.46	ug/L	97
53) m,p-Xylene	9.700	106	1995	0.50	ug/L	89
63) 1,2,4-Trimethylbenzene	11.475	105	2462	0.32	ug/L	97

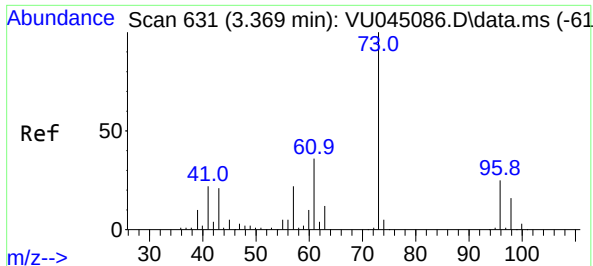
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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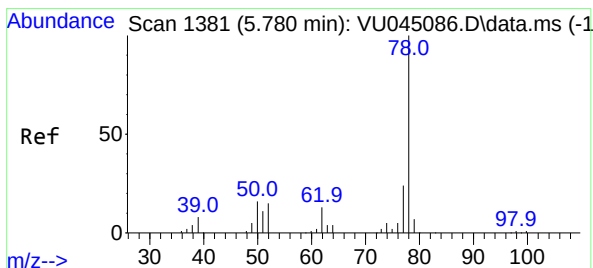
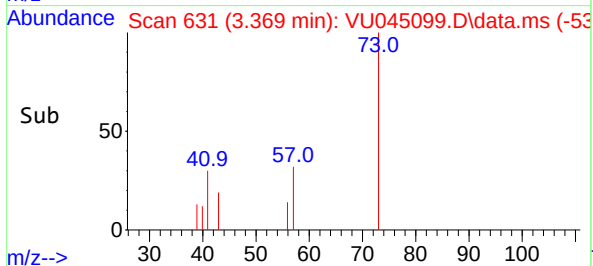
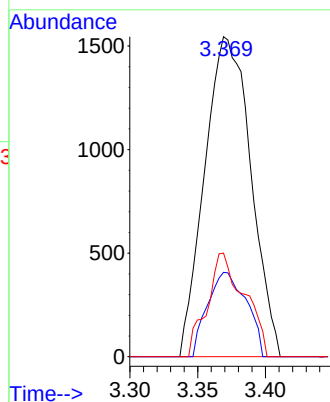
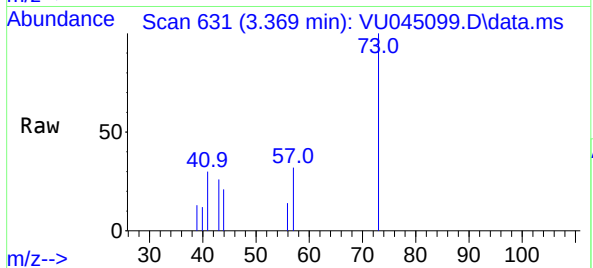


#18
Methyl tert-butyl Ether
Concen: 0.48 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Instrument :
MSVOA_U
ClientSampled :
F4A24

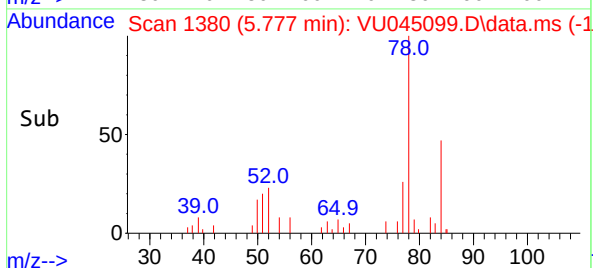
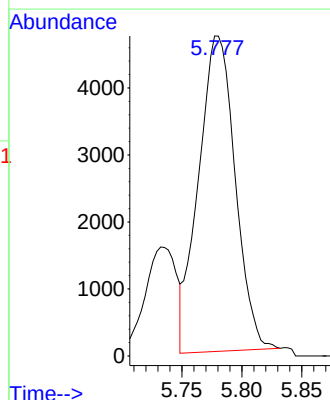
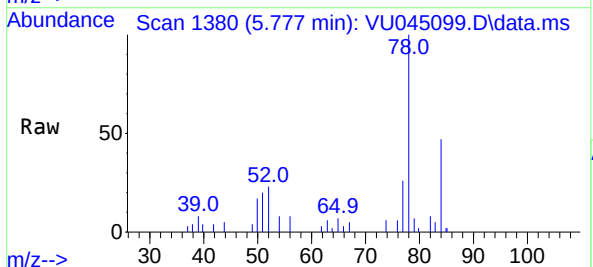
Tgt Ion: 73 Resp: 3656

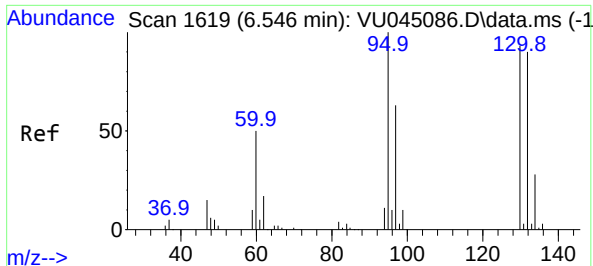
Ion	Ratio	Lower	Upper
73	100		
43	22.2	17.3	25.9
57	26.0	18.7	28.1



#33
Benzene
Concen: 1.01 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion: 78 Resp: 9998



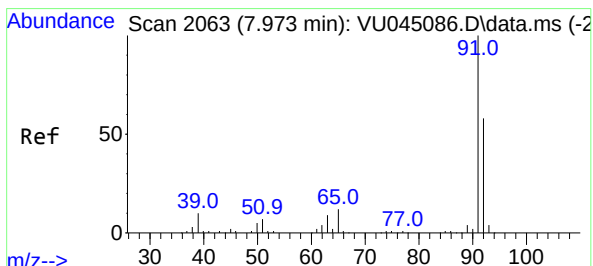
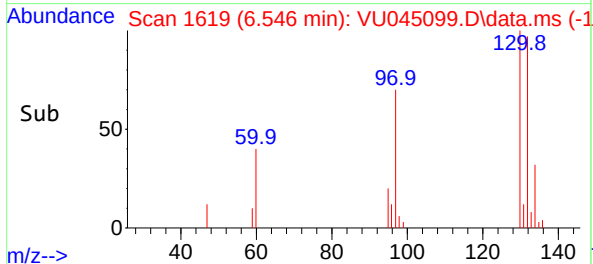
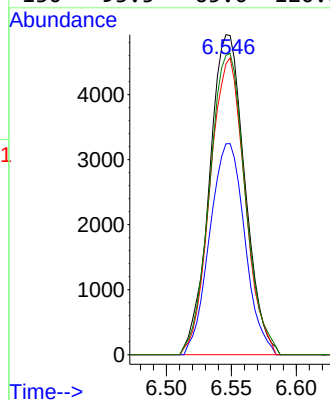
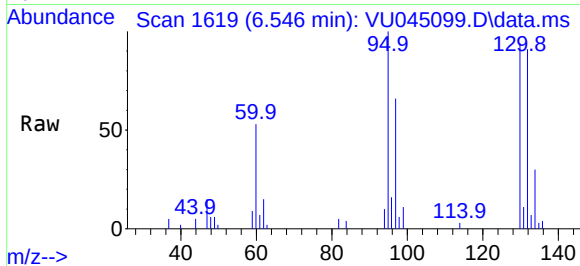


#34
Trichloroethene
Concen: 3.91 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Instrument :
MSVOA_U
ClientSampled :
F4A24

Tgt Ion: 95 Resp: 9306

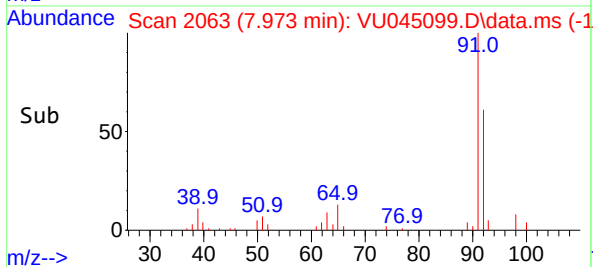
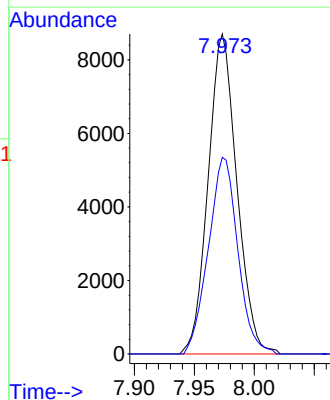
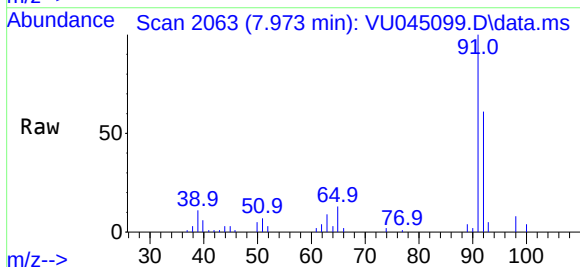
Ion	Ratio	Lower	Upper
95	100		
97	65.9	44.4	82.4
132	90.9	62.9	116.9
130	93.5	65.0	120.8

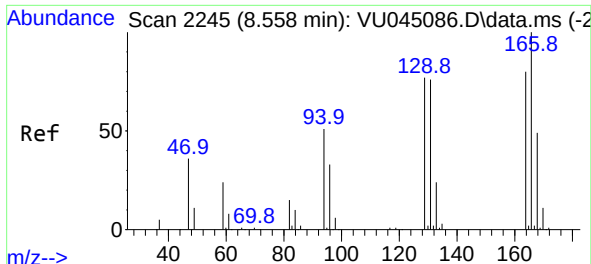


#42
Toluene
Concen: 1.44 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion: 91 Resp: 14509

Ion	Ratio	Lower	Upper
91	100		
92	61.5	40.5	75.1

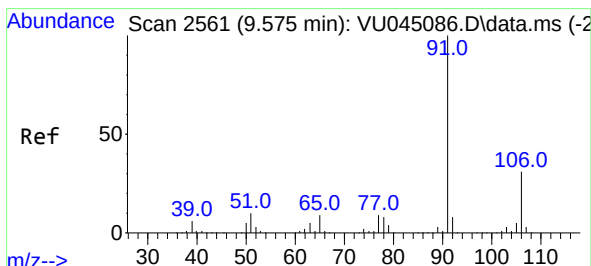
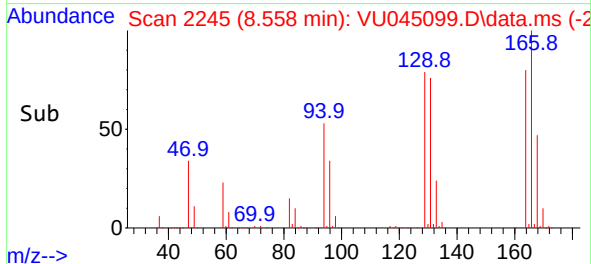
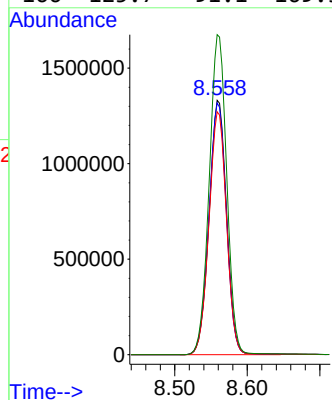
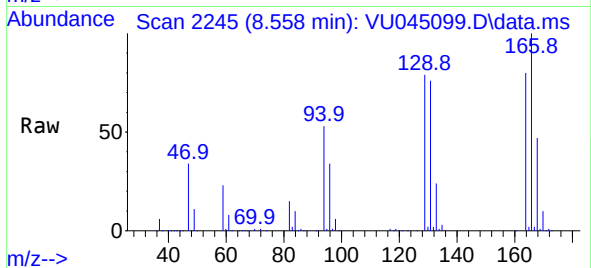




#46
Tetrachloroethene
Concen: 1313.36 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

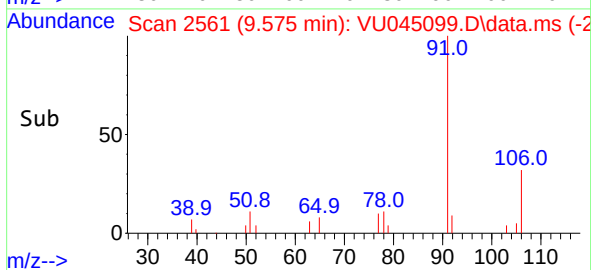
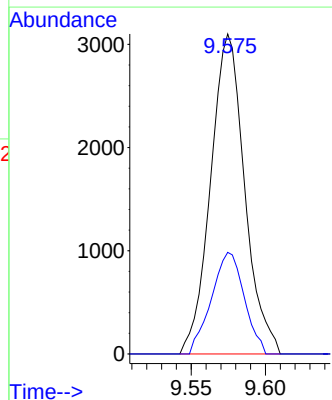
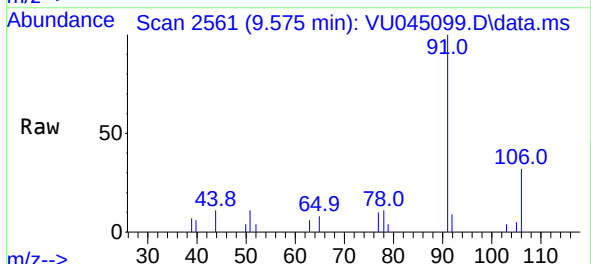
Instrument :
MSVOA_U
ClientSampleId :
F4A24

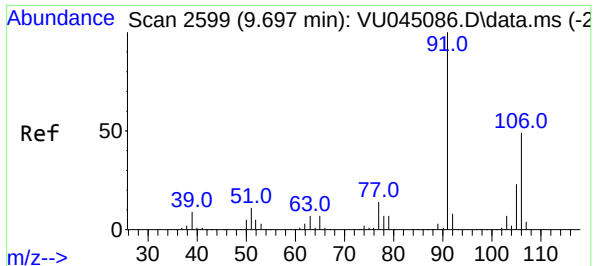
Tgt Ion:164 Resp: 2233304
Ion Ratio Lower Upper
164 100
129 99.0 69.8 129.6
131 95.5 66.4 123.2
166 125.7 91.1 169.3



#52
Ethylbenzene
Concen: 0.46 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion: 91 Resp: 4941
Ion Ratio Lower Upper
91 100
106 31.7 21.2 39.4

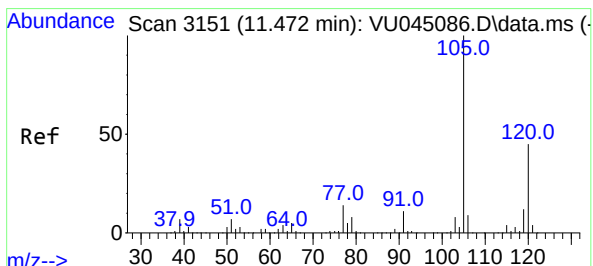
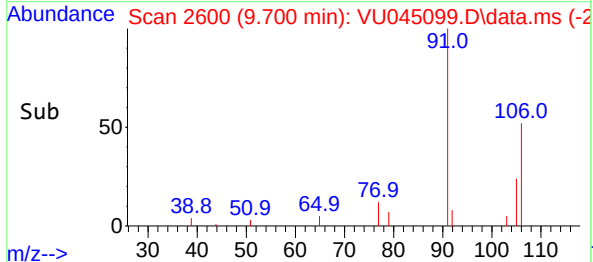
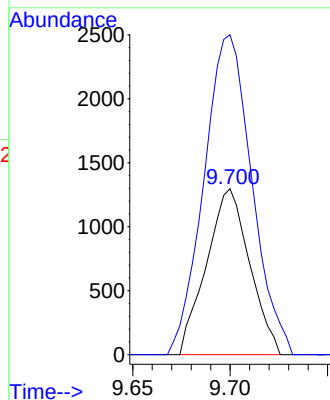
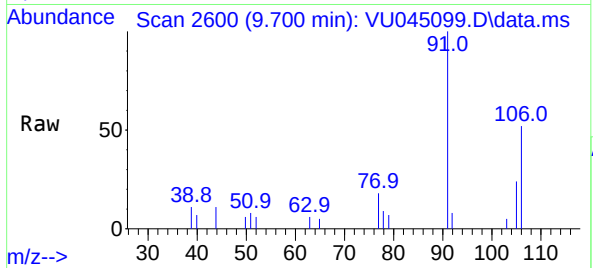




#53
m,p-Xylene
Concen: 0.50 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Instrument :
MSVOA_U
ClientSampled :
F4A24

Tgt Ion:106 Resp: 1995
Ion Ratio Lower Upper
106 100
91 192.8 146.7 272.4



#63
1,2,4-Trimethylbenzene
Concen: 0.32 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion:105 Resp: 2462
Ion Ratio Lower Upper
105 100
120 46.3 35.7 53.5

