

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045096.D
 Acq On : 04 Oct 2021 15:12
 Operator : SY/MD
 Sample : M3996-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 F4A16

Quant Time: Oct 05 02:45:29 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	288806	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	272498	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	135949	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	130740	41.35	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery =	82.70%		
7) Chloroethane-d5	1.900	69	111711	44.59	ug/L	-0.01
Spiked Amount	50.000	Range 70 - 130	Recovery =	89.18%		
11) 1,1-Dichloroethene-d2	2.565	63	177260	33.39	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery =	66.78%		
21) 2-Butanone-d5	4.623	46	232547	93.04	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery =	93.04%		
24) Chloroform-d	5.067	84	220649	44.19	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery =	88.38%		
26) 1,2-Dichloroethane-d4	5.704	65	155654	46.02	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery =	92.04%		
32) Benzene-d6	5.729	84	468792	49.58	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery =	99.16%		
36) 1,2-Dichloropropane-d6	6.694	67	148047	48.02	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery =	96.04%		
41) Toluene-d8	7.900	98	417754	51.20	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery =	102.40%		
43) trans-1,3-Dichloroprop...	8.183	79	69020	50.33	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery =	100.66%		
47) 2-Hexanone-d5	8.636	63	175824	102.91	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery =	102.91%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	235627	49.08	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery =	98.16%		
66) 1,2-Dichlorobenzene-d4	12.195	152	157556	53.25	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery =	106.50%		

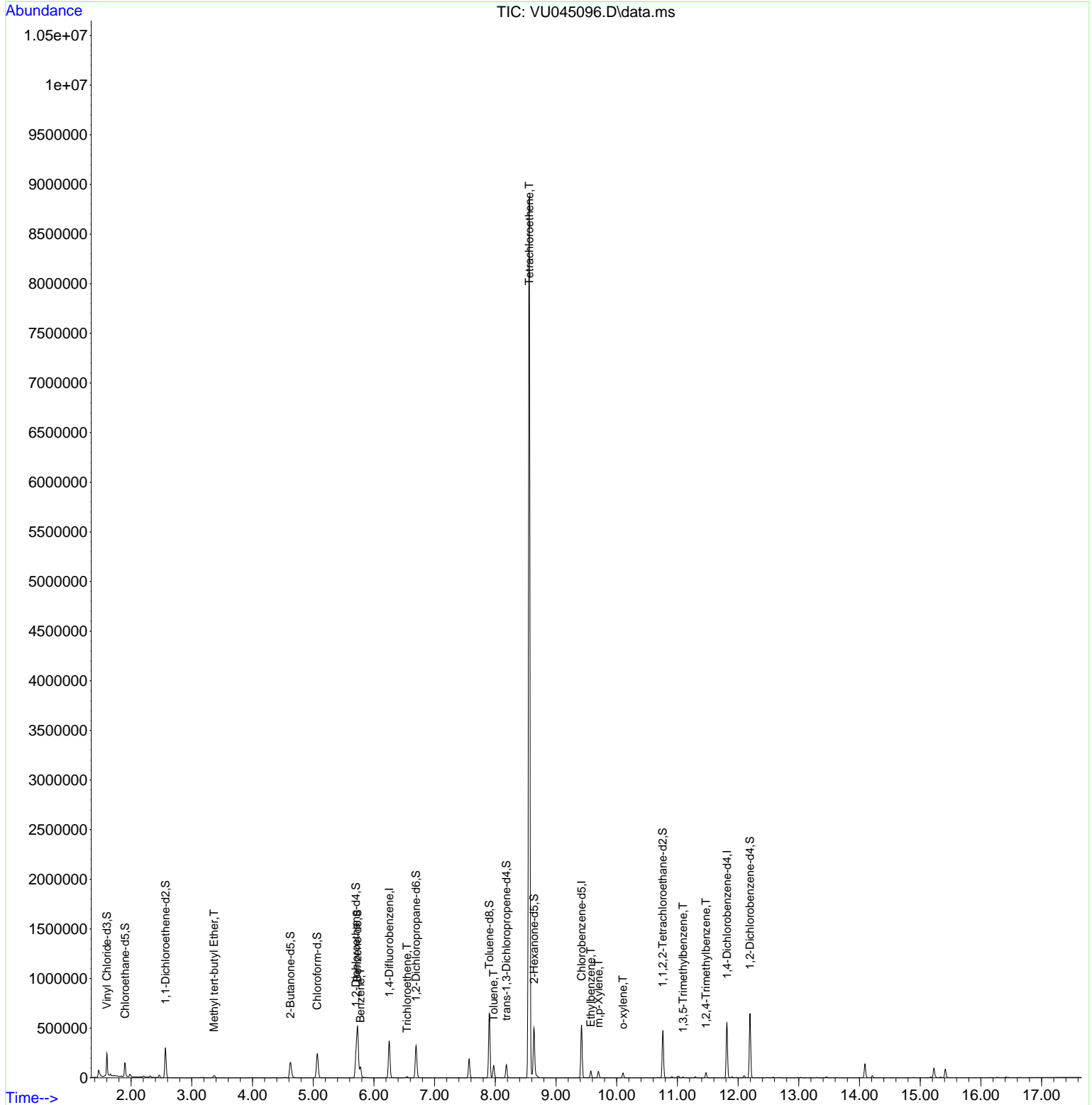
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	3.366	73	21496	2.77	ug/L	94
33) Benzene	5.778	78	102513	10.14	ug/L	100
34) Trichloroethene	6.546	95	3874	1.60	ug/L	94
42) Toluene	7.974	91	89087	8.68	ug/L	98
46) Tetrachloroethene	8.559	164	1854562	1068.83	ug/L	98
52) Ethylbenzene	9.575	91	48927	4.51	ug/L	100
53) m,p-Xylene	9.700	106	18616	4.53	ug/L	94
54) o-xylene	10.102	106	13335	3.30	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	4962	0.60	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	28516	3.35	ug/L	100

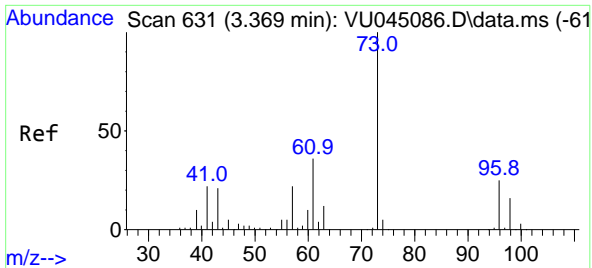
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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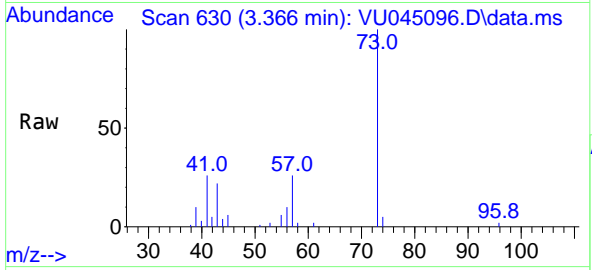
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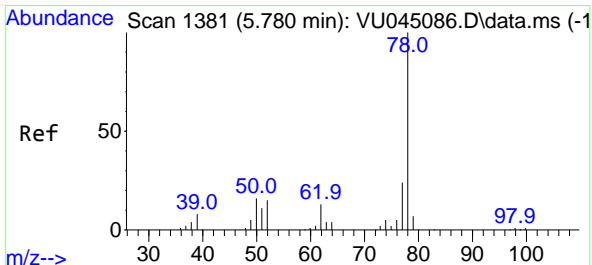
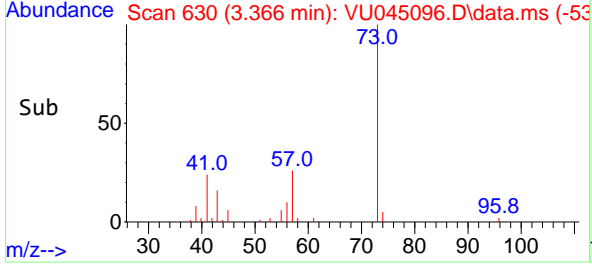
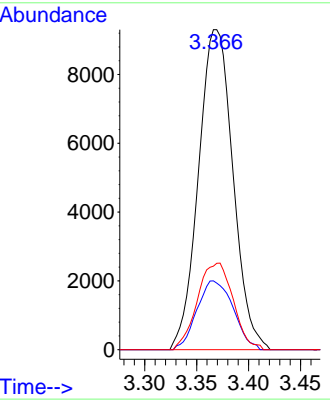
#18
 Methyl tert-butyl Ether
 Concen: 2.77 ug/L
 RT: 3.366 min Scan# 630
 Delta R.T. -0.003 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

Instrument :
 MSVOA_U
 ClientSampled :
 F4A16

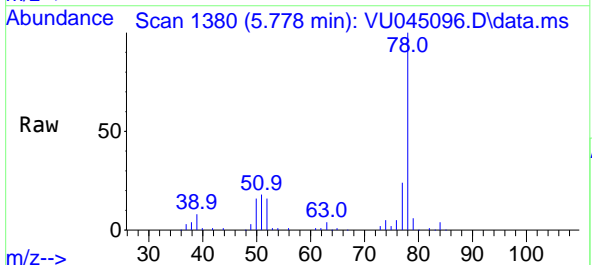


Tgt Ion: 73 Resp: 21496

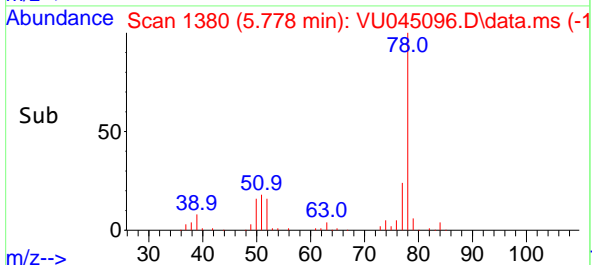
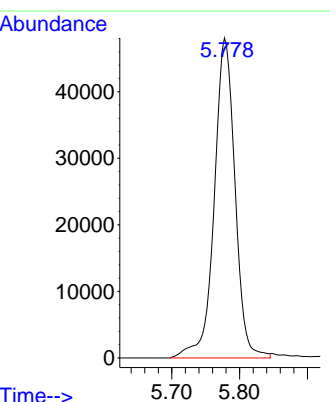
Ion	Ratio	Lower	Upper
73	100		
43	22.5	17.3	25.9
57	27.9	18.7	28.1

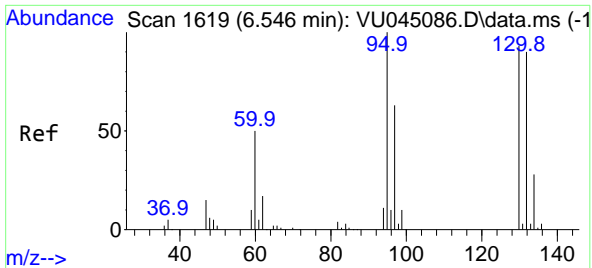


#33
 Benzene
 Concen: 10.14 ug/L
 RT: 5.778 min Scan# 1380
 Delta R.T. -0.003 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12



Tgt Ion: 78 Resp: 102513



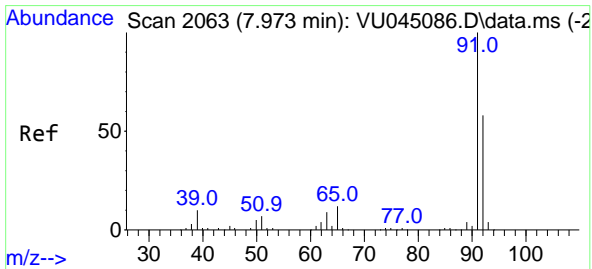
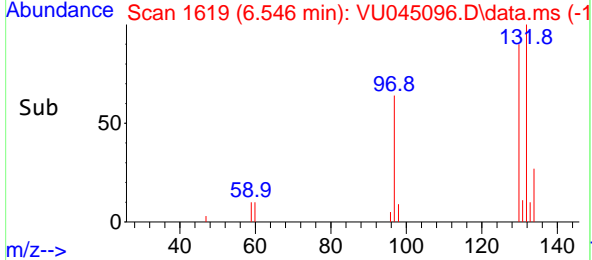
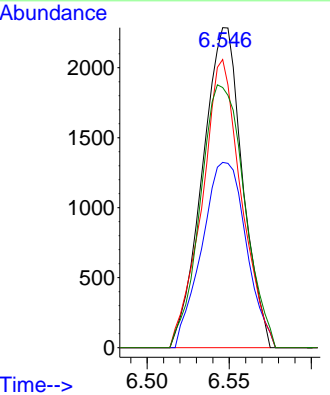
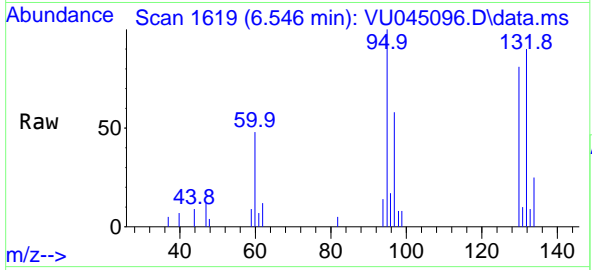


#34
 Trichloroethene
 Concen: 1.60 ug/L
 RT: 6.546 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

Instrument : MSVOA_U
 ClientSampled : F4A16

Tgt Ion: 95 Resp: 3874

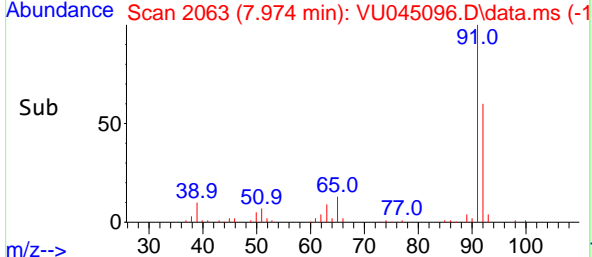
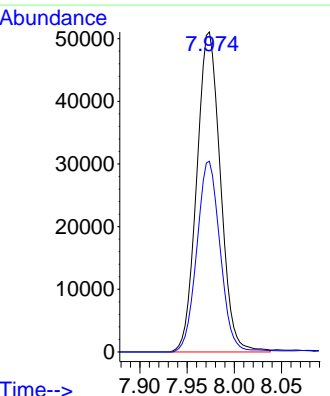
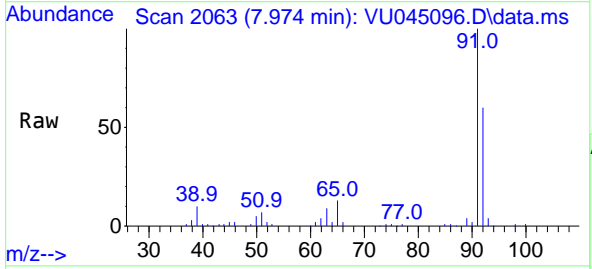
Ion	Ratio	Lower	Upper
95	100		
97	57.9	44.4	82.4
132	90.1	62.9	116.9
130	81.3	65.0	120.8

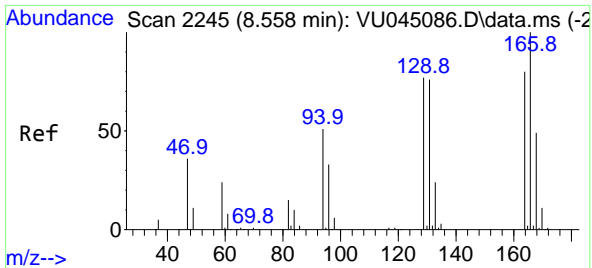


#42
 Toluene
 Concen: 8.68 ug/L
 RT: 7.974 min Scan# 2063
 Delta R.T. 0.000 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

Tgt Ion: 91 Resp: 89087

Ion	Ratio	Lower	Upper
91	100		
92	59.6	40.5	75.1

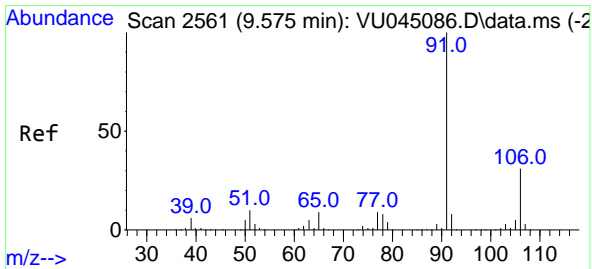
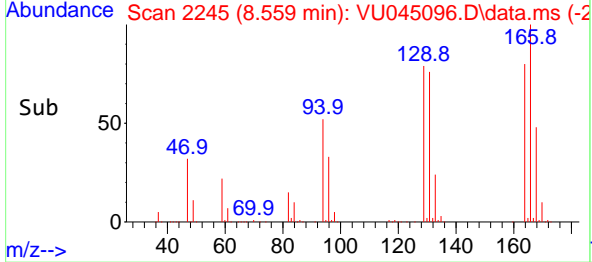
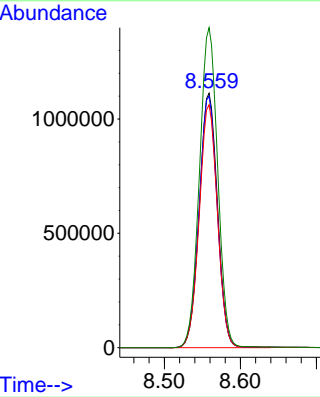
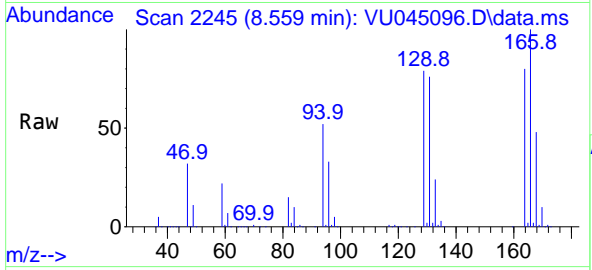




#46
 Tetrachloroethene
 Concen: 1068.83 ug/L
 RT: 8.559 min Scan# 2245
 Delta R.T. 0.000 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

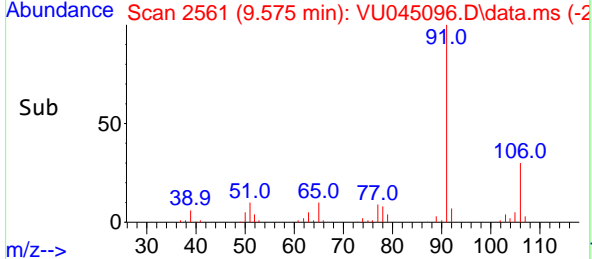
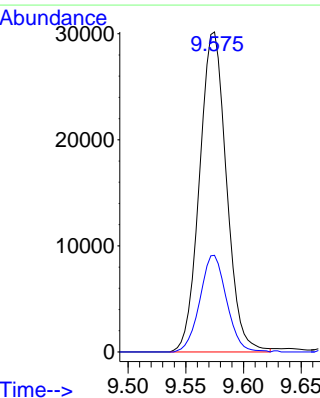
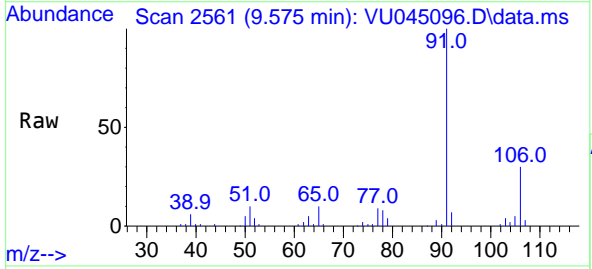
Instrument :
 MSVOA_U
 ClientSampled :
 F4A16

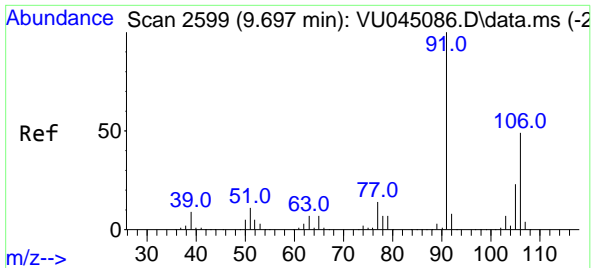
Tgt Ion:164 Resp: 1854562
 Ion Ratio Lower Upper
 164 100
 129 98.8 69.8 129.6
 131 95.4 66.4 123.2
 166 125.8 91.1 169.3



#52
 Ethylbenzene
 Concen: 4.51 ug/L
 RT: 9.575 min Scan# 2561
 Delta R.T. 0.000 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

Tgt Ion: 91 Resp: 48927
 Ion Ratio Lower Upper
 91 100
 106 30.2 21.2 39.4

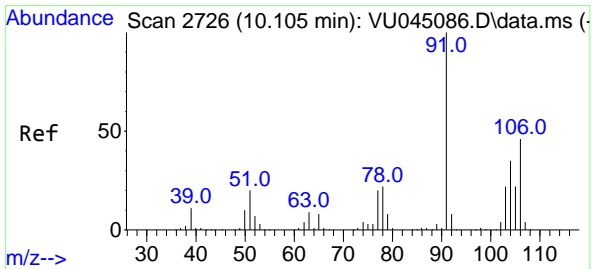
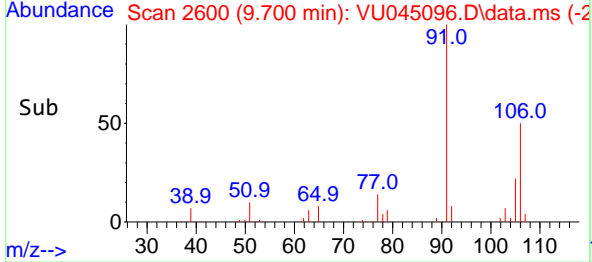
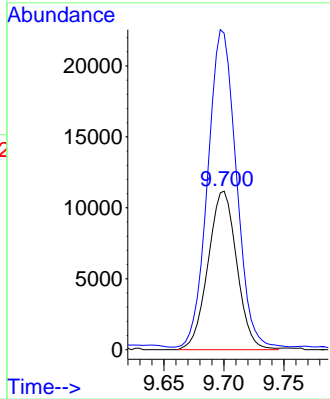
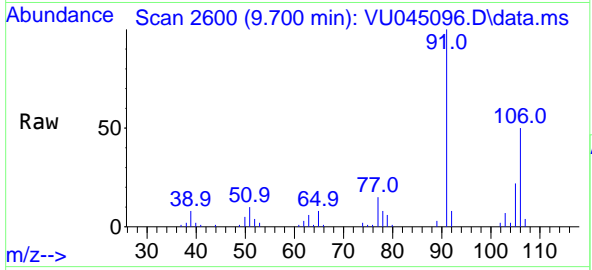




#53
 m,p-Xylene
 Concen: 4.53 ug/L
 RT: 9.700 min Scan# 2600
 Delta R.T. 0.004 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

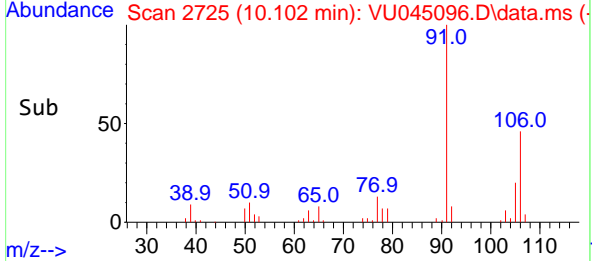
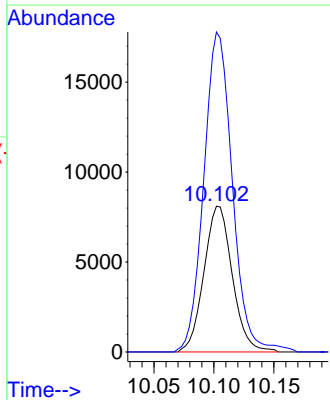
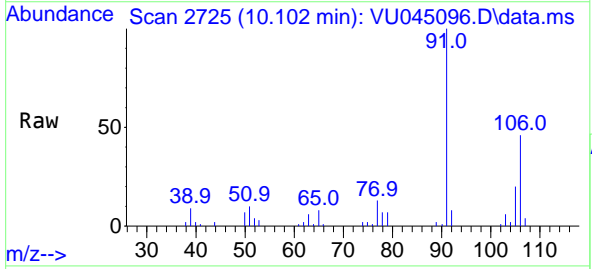
Instrument :
 MSVOA_U
ClientSampled :
 F4A16

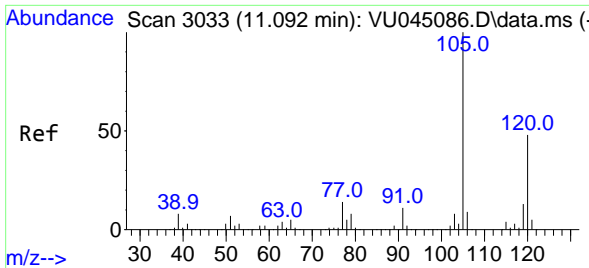
Tgt Ion:106 Resp: 18616
 Ion Ratio Lower Upper
 106 100
 91 199.5 146.7 272.4



#54
 o-xylene
 Concen: 3.30 ug/L
 RT: 10.102 min Scan# 2725
 Delta R.T. -0.003 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

Tgt Ion:106 Resp: 13335
 Ion Ratio Lower Upper
 106 100
 91 219.5 152.9 283.9

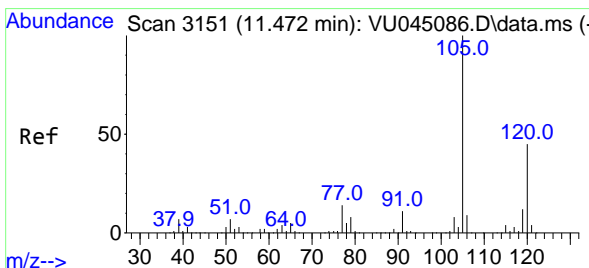
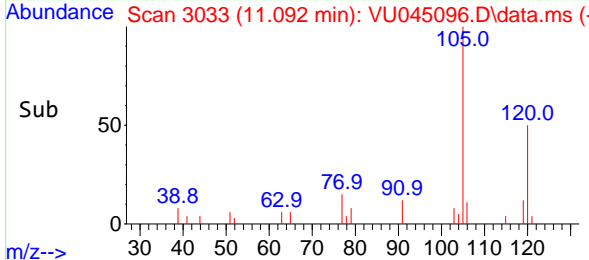
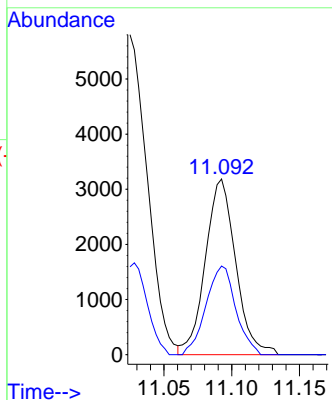
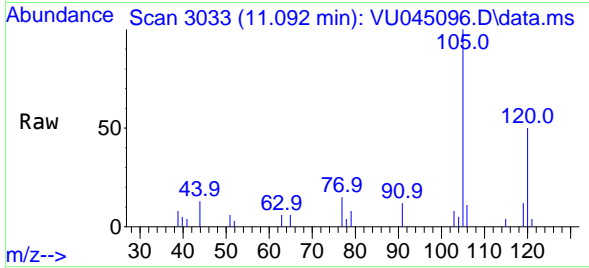




#62
 1,3,5-Trimethylbenzene
 Concen: 0.60 ug/L
 RT: 11.092 min Scan# 3033
 Delta R.T. 0.000 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

Instrument :
 MSVOA_U
 ClientSampled :
 F4A16

Tgt Ion:105 Resp: 4962
 Ion Ratio Lower Upper
 105 100
 120 49.5 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 3.35 ug/L
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.000 min
 Lab File: VU045096.D
 Acq: 04 Oct 2021 15:12

Tgt Ion:105 Resp: 28516
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.7 53.5

