

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045112.D
 Acq On : 04 Oct 2021 22:11
 Operator : SY/MD
 Sample : M4023-02 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH7

Quant Time: Oct 05 07:01:54 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)

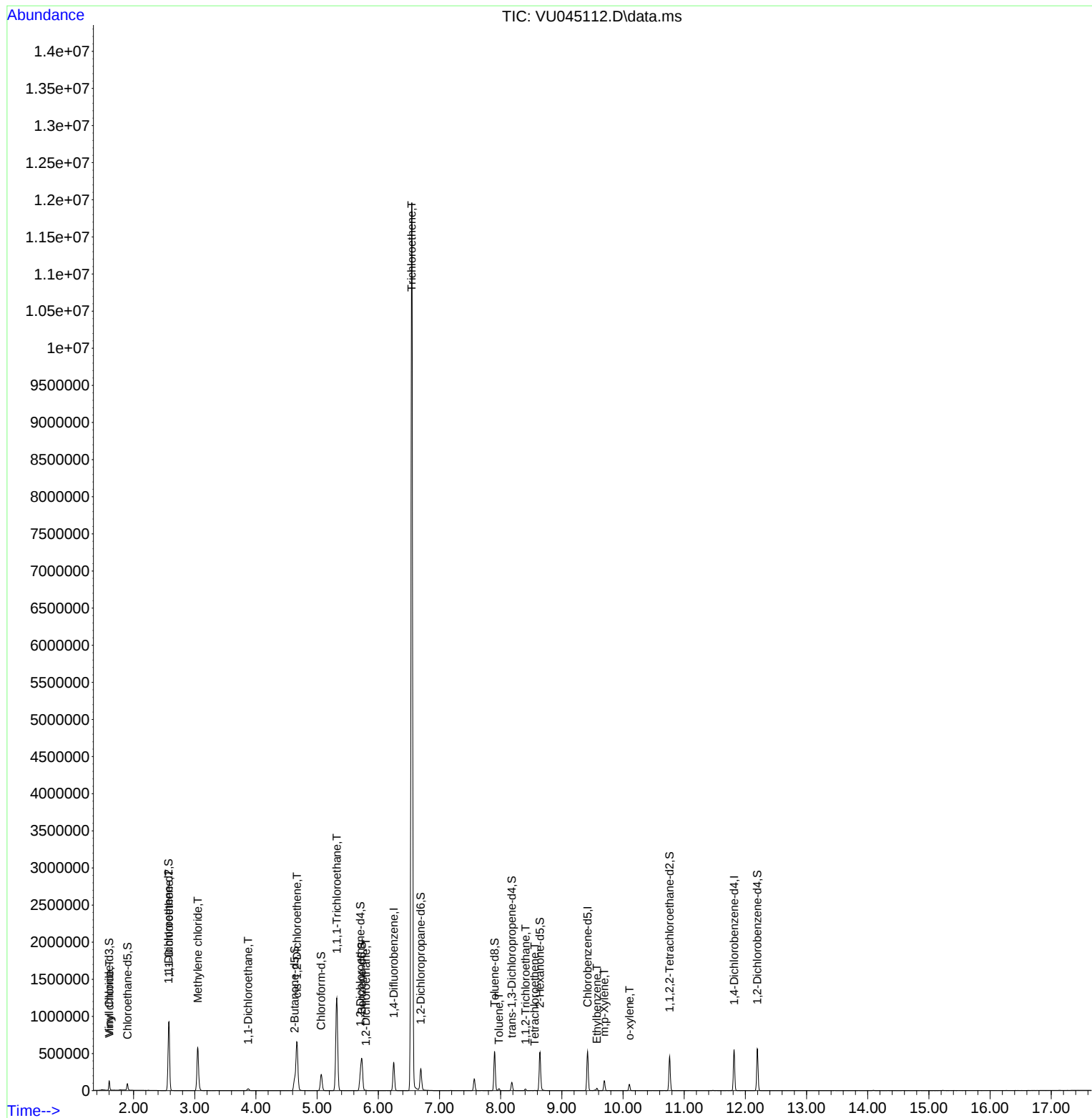
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	293629	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275647	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	135454	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	87578	27.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	54.50%#		
7) Chloroethane-d5	1.900	69	61861	24.29	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	48.58%#		
11) 1,1-Dichloroethene-d2	2.572	63	279946	51.86	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.72%		
21) 2-Butanone-d5	4.633	46	245607	96.65	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.65%		
24) Chloroform-d	5.067	84	197742	38.95	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.90%		
26) 1,2-Dichloroethane-d4	5.707	65	142167	41.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.68%		
32) Benzene-d6	5.732	84	387702	40.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.06%		
36) 1,2-Dichloropropane-d6	6.694	67	129008	41.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	82.72%		
41) Toluene-d8	7.899	98	332882	40.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.66%		
43) trans-1,3-Dichloroprop...	8.182	79	59992	43.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.48%		
47) 2-Hexanone-d5	8.642	63	189765	109.80	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.80%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	227202	46.78	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.56%		
66) 1,2-Dichlorobenzene-d4	12.195	152	136432	46.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.56%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	4382	1.28	ug/L #	1
12) 1,1-Dichloroethene	2.578	96	265952	116.96	ug/L #	72
16) Methylene chloride	3.047	84	285468	99.10	ug/L	93
19) 1,1-Dichloroethane	3.874	63	28966	5.81	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	321415	121.77	ug/L	91
27) 1,2-Dichloroethane	5.797	62	2954	0.71	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	890486	233.37	ug/L	97
34) Trichloroethene	6.546	95	4065506	1655.60	ug/L	99
42) Toluene	7.973	91	18011	1.73	ug/L	94
45) 1,1,2-Trichloroethane	8.407	97	6309	2.50	ug/L	93
46) Tetrachloroethene	8.555	164	805	0.46	ug/L	89
52) Ethylbenzene	9.575	91	22532	2.05	ug/L	100
53) m,p-Xylene	9.693	106	36690	8.83	ug/L	97
54) o-xylene	10.105	106	22551	5.52	ug/L	97

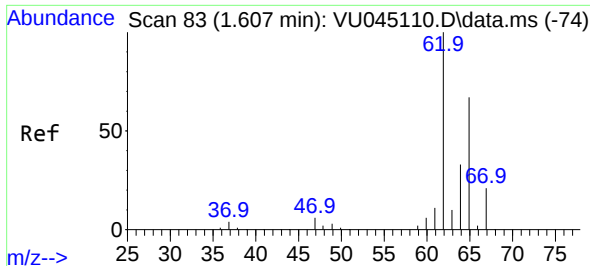
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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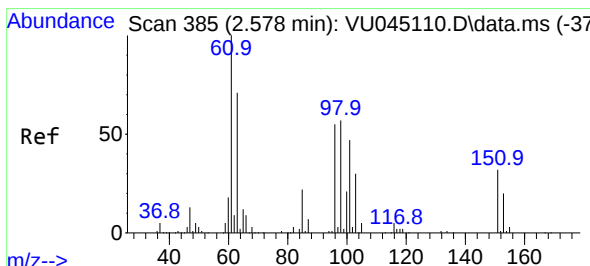
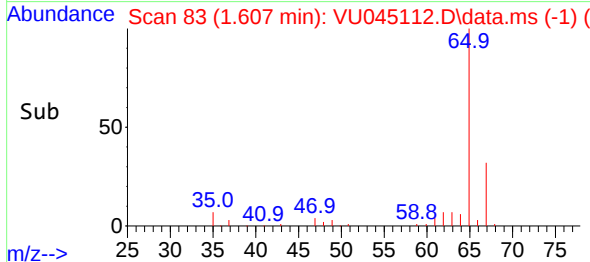
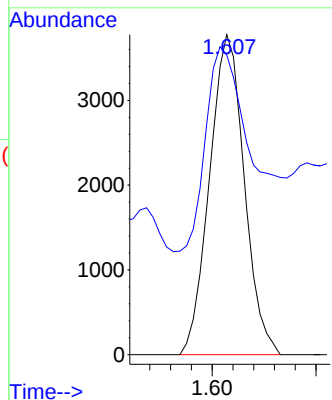
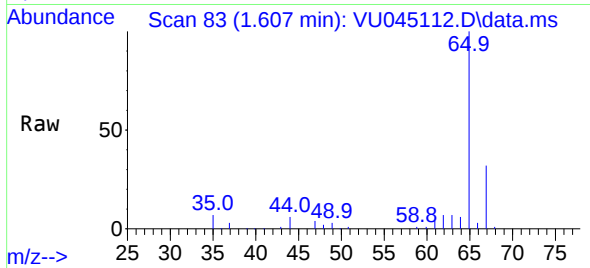




#5
 Vinyl chloride
 Concen: 1.28 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU045112.D
 Acq: 04 Oct 2021 22:11

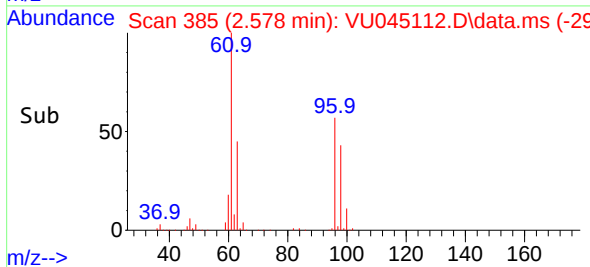
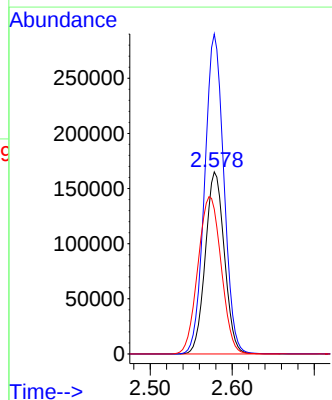
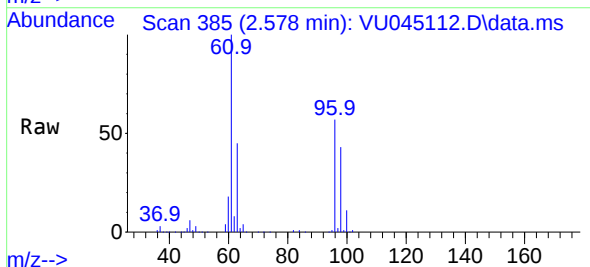
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH7

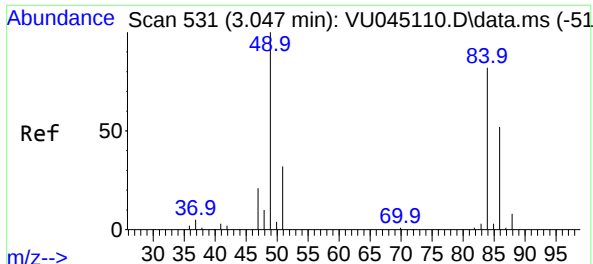
Tgt Ion: 62 Resp: 4382
 Ion Ratio Lower Upper
 62 100
 64 93.7 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 116.96 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.006 min
 Lab File: VU045112.D
 Acq: 04 Oct 2021 22:11

Tgt Ion: 96 Resp: 265952
 Ion Ratio Lower Upper
 96 100
 61 175.8 131.3 243.9
 63 79.6 102.5 190.3#

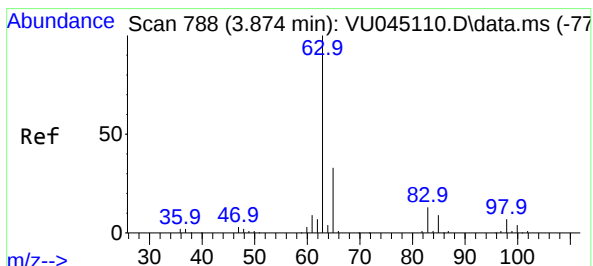
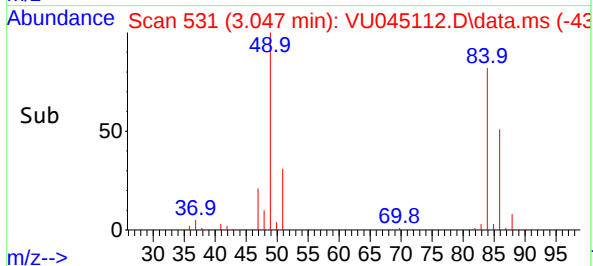
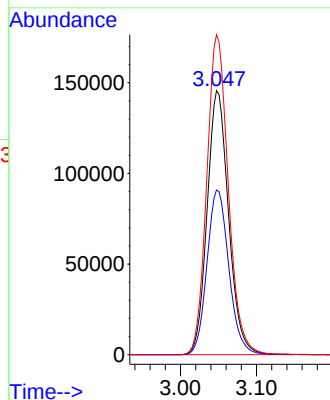
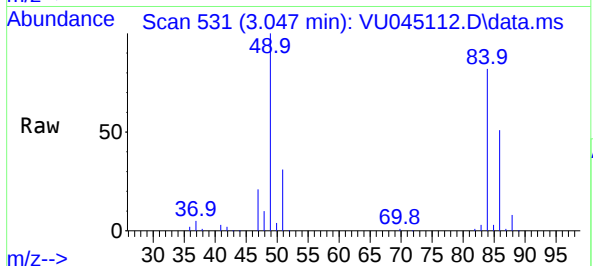




#16
Methylene chloride
Concen: 99.10 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

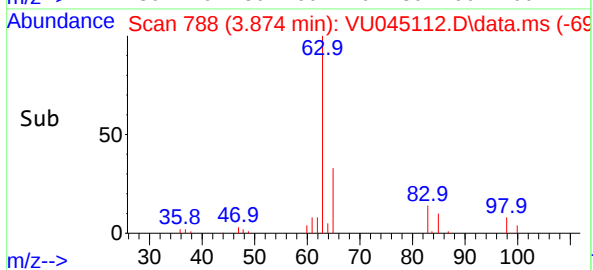
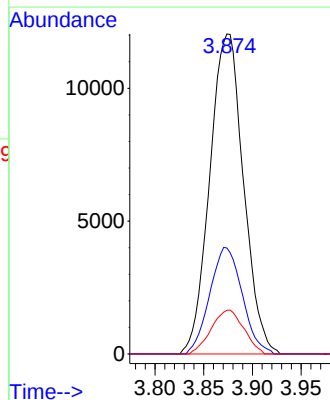
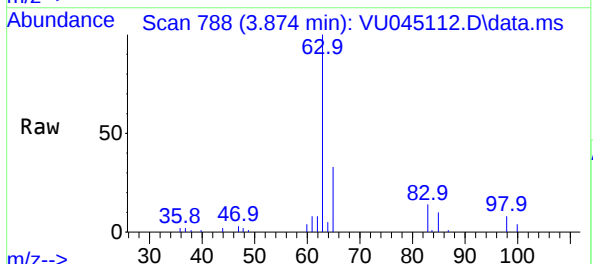
Instrument :
MSVOA_U
ClientSampleId :
C0AH7

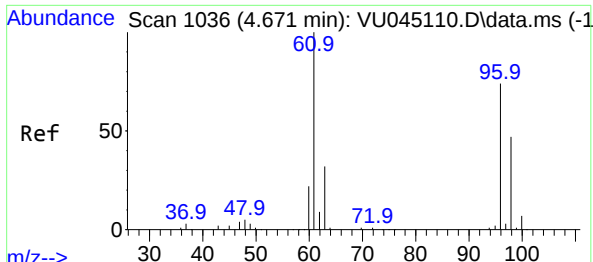
Tgt Ion: 84 Resp: 285468
Ion Ratio Lower Upper
84 100
86 62.4 44.7 83.1
49 121.2 92.9 172.5



#19
1,1-Dichloroethane
Concen: 5.81 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

Tgt Ion: 63 Resp: 28966
Ion Ratio Lower Upper
63 100
65 33.1 22.0 40.8
83 14.7 9.0 16.6

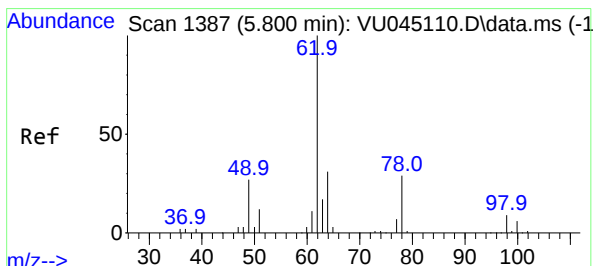
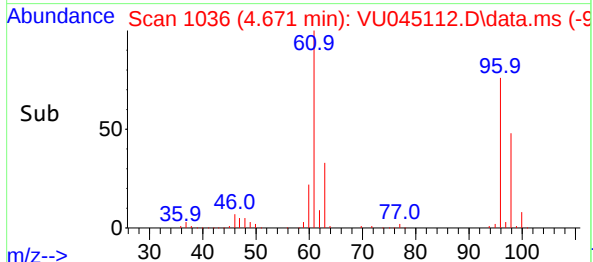
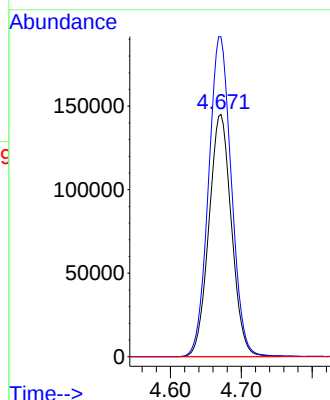
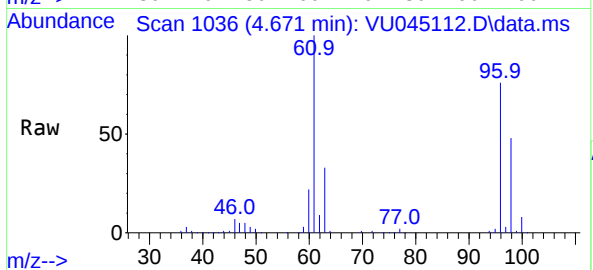




#20
cis-1,2-Dichloroethene
Concen: 121.77 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

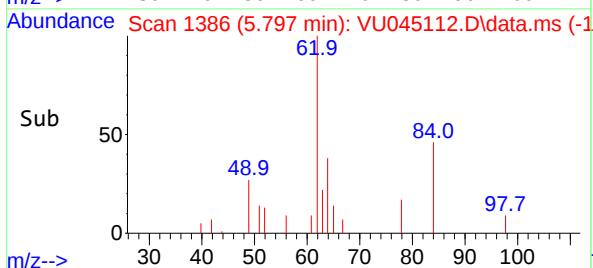
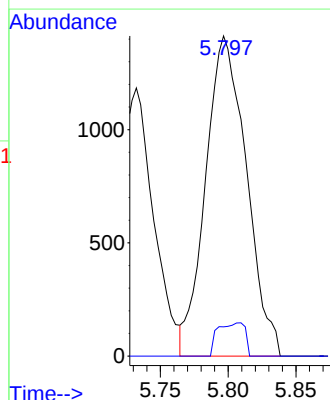
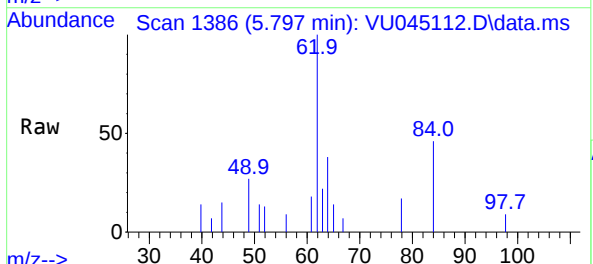
Instrument :
MSVOA_U
ClientSampleId :
C0AH7

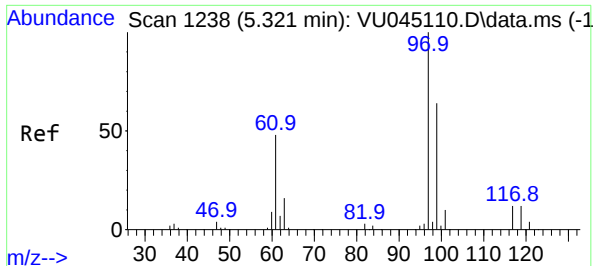
Tgt Ion: 96 Resp: 321415
Ion Ratio Lower Upper
96 100
61 132.0 100.2 186.0
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 0.71 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

Tgt Ion: 62 Resp: 2954
Ion Ratio Lower Upper
62 100
98 9.1 7.1 10.7



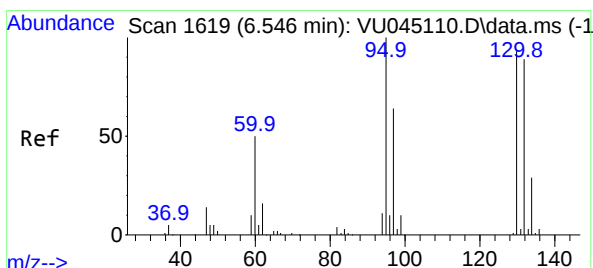
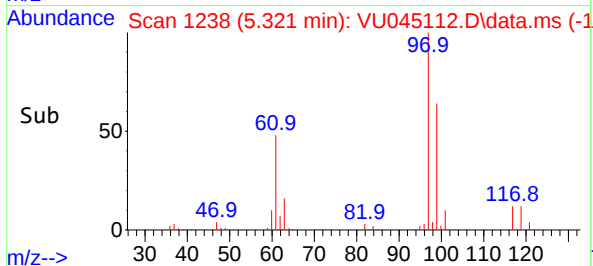
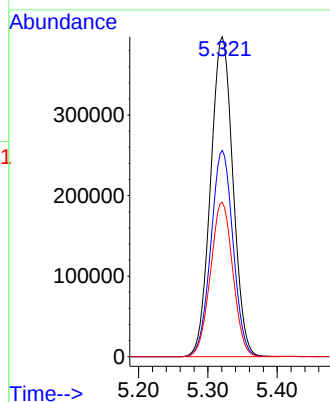
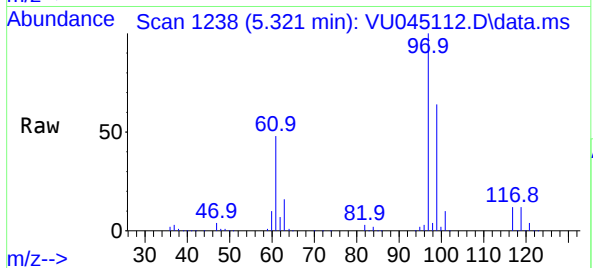


#30
1,1,1-Trichloroethane
Concen: 233.37 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

Instrument :
MSVOA_U
ClientSampleId :
C0AH7

Tgt Ion: 97 Resp: 890486

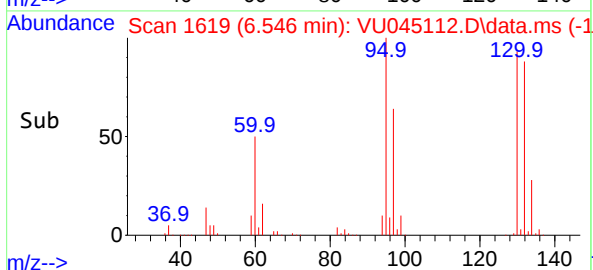
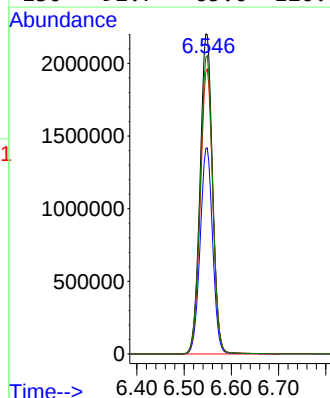
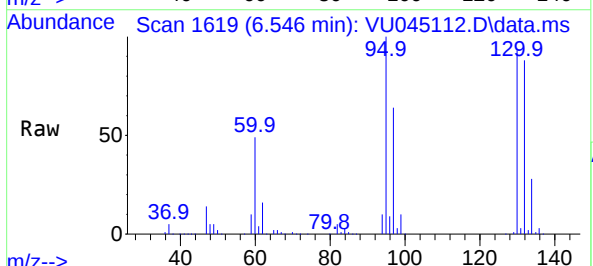
Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	75.8
61	48.3	41.3	61.9

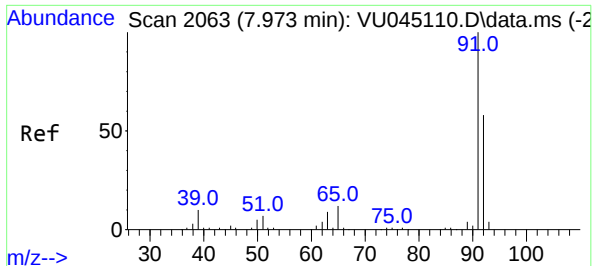


#34
Trichloroethene
Concen: 1655.60 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

Tgt Ion: 95 Resp: 4065506

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.4	82.4
132	88.2	62.9	116.9
130	92.7	65.0	120.8





#42

Toluene

Concen: 1.73 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045112.D

Acq: 04 Oct 2021 22:11

Tgt Ion: 91 Resp: 18011

Ion Ratio Lower Upper

91 100

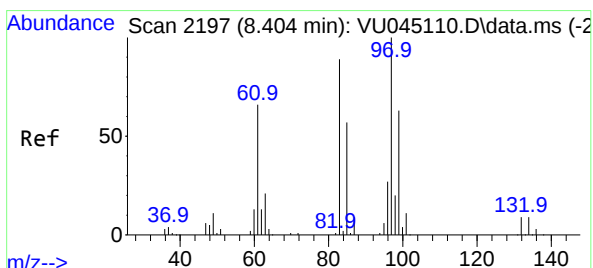
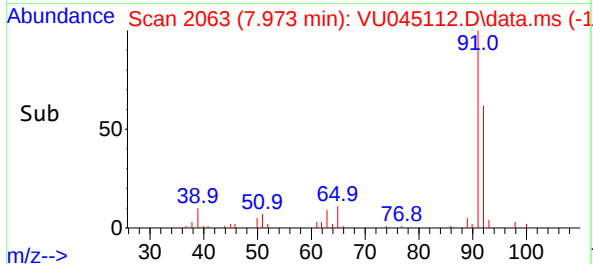
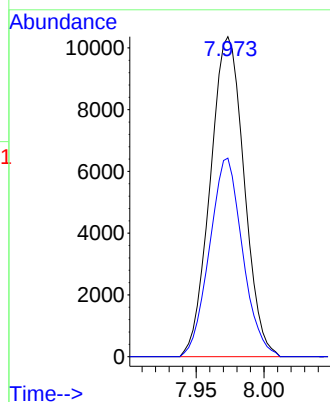
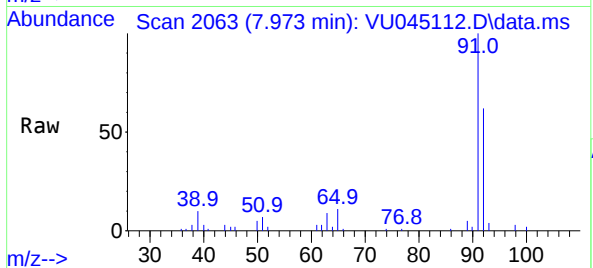
92 62.0 40.5 75.1

Instrument :

MSVOA_U

ClientSampleId :

C0AH7



#45

1,1,2-Trichloroethane

Concen: 2.50 ug/L

RT: 8.407 min Scan# 2198

Delta R.T. 0.003 min

Lab File: VU045112.D

Acq: 04 Oct 2021 22:11

Tgt Ion: 97 Resp: 6309

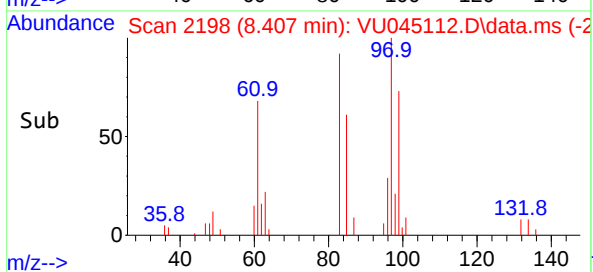
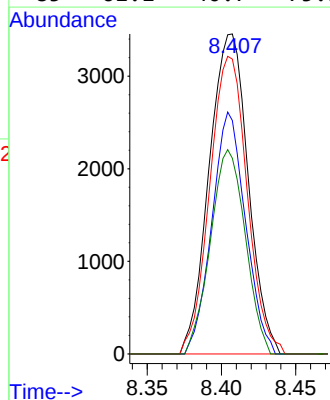
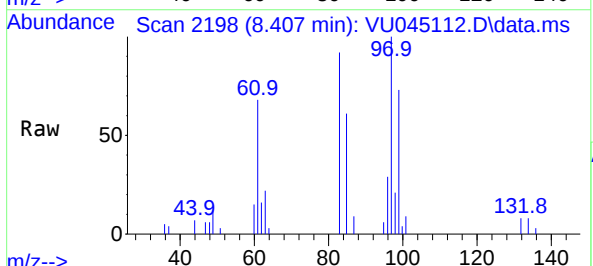
Ion Ratio Lower Upper

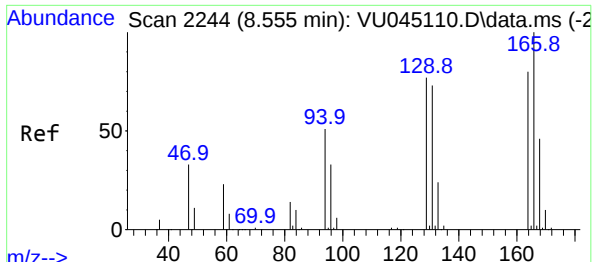
97 100

99 72.9 43.7 81.1

83 92.1 61.9 115.1

85 61.1 40.7 75.5





#46

Tetrachloroethene

Concen: 0.46 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.003 min

Lab File: VU045112.D

Acq: 04 Oct 2021 22:11

Instrument :
MSVOA_U
ClientSampleId :
C0AH7

Tgt Ion:164 Resp: 805

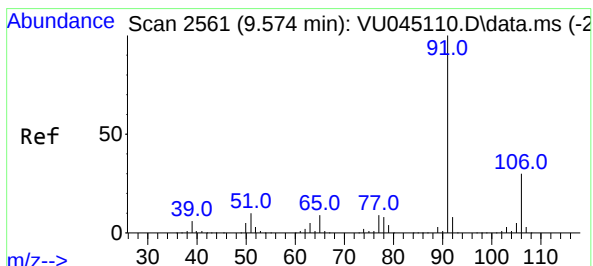
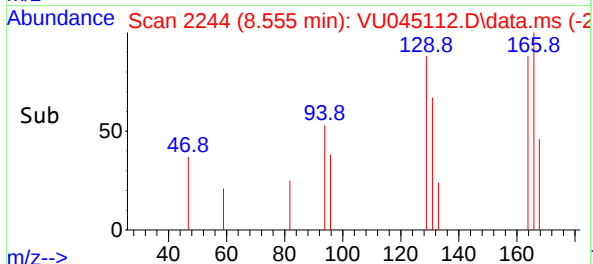
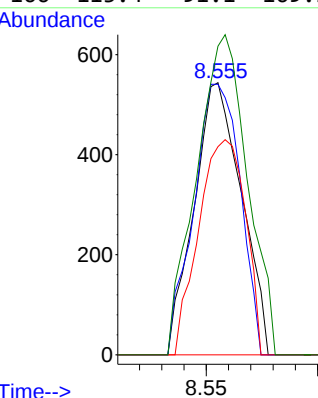
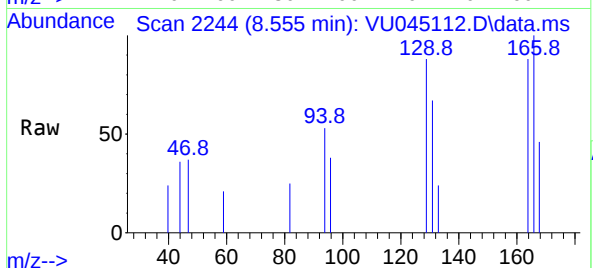
Ion Ratio Lower Upper

164 100

129 99.4 69.8 129.6

131 76.5 66.4 123.2

166 113.4 91.1 169.3



#52

Ethylbenzene

Concen: 2.05 ug/L

RT: 9.575 min Scan# 2561

Delta R.T. 0.000 min

Lab File: VU045112.D

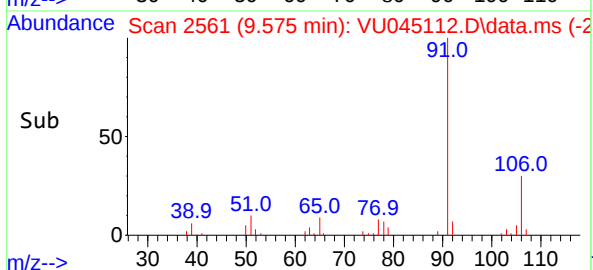
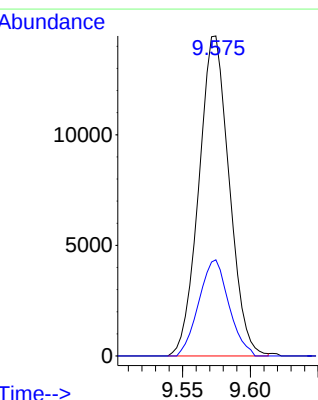
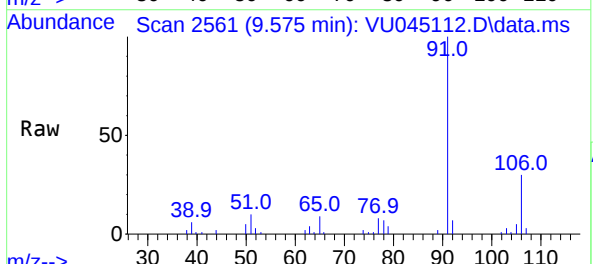
Acq: 04 Oct 2021 22:11

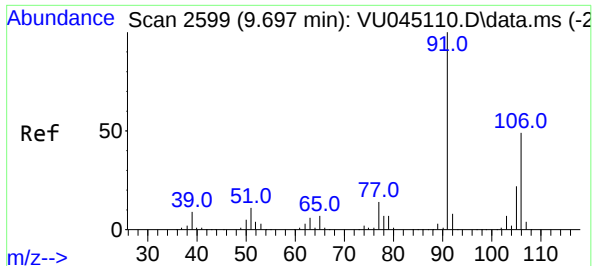
Tgt Ion: 91 Resp: 22532

Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4

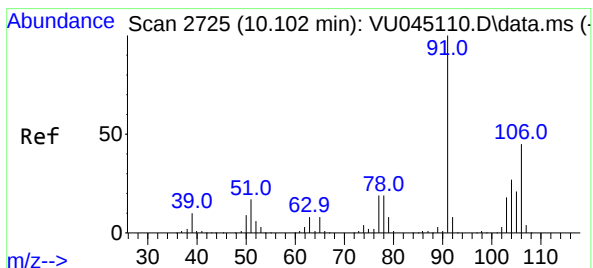
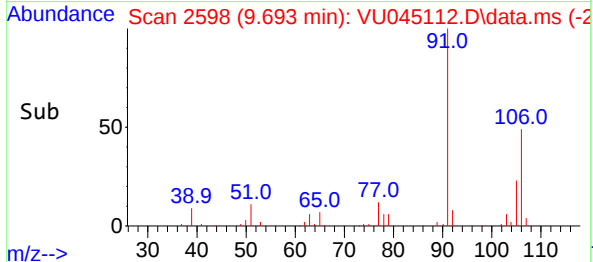
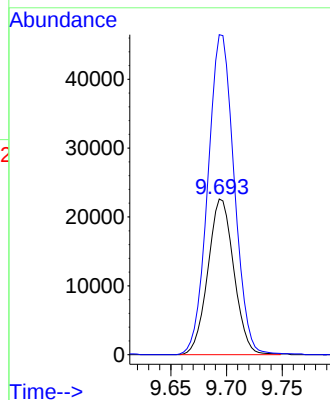
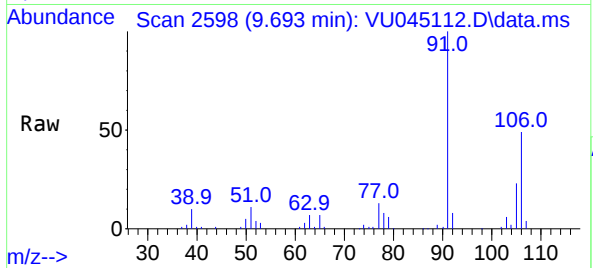




#53
m,p-Xylene
Concen: 8.83 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

Instrument :
MSVOA_U
ClientSampleId :
C0AH7

Tgt Ion:106 Resp: 36690
Ion Ratio Lower Upper
106 100
91 205.6 146.7 272.4



#54
o-xylene
Concen: 5.52 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU045112.D
Acq: 04 Oct 2021 22:11

Tgt Ion:106 Resp: 22551
Ion Ratio Lower Upper
106 100
91 213.6 152.9 283.9

