

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045113.D
 Acq On : 04 Oct 2021 22:34
 Operator : SY/MD
 Sample : M4023-04 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH9

Quant Time: Oct 05 07:02:10 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)

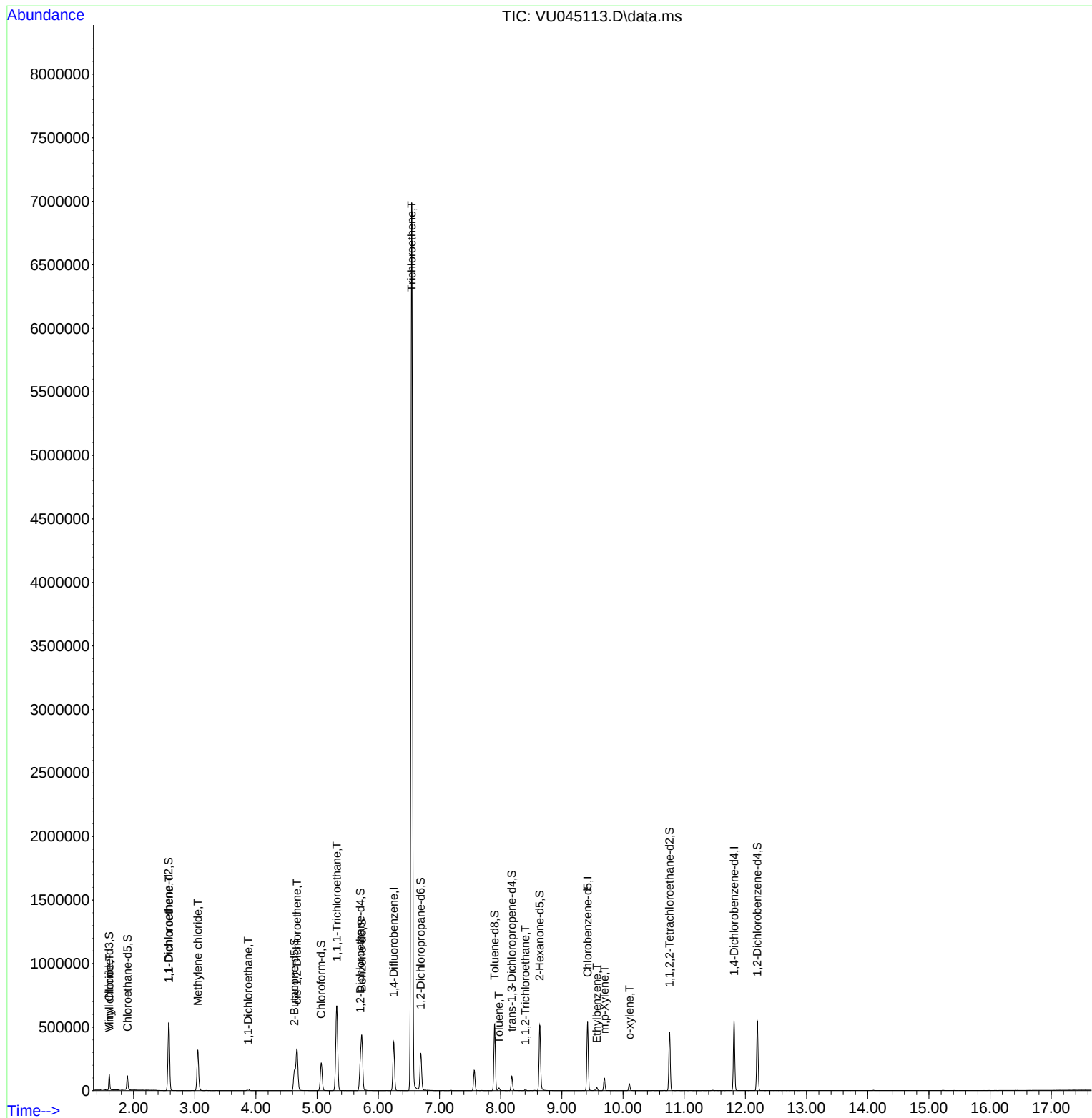
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	297930	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	279458	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	135745	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87384	26.79	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	53.58%#		
7) Chloroethane-d5	1.899	69	85588	33.12	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	66.24%#		
11) 1,1-Dichloroethene-d2	2.571	63	207495	37.88	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.76%		
21) 2-Butanone-d5	4.629	46	240737	93.37	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.37%		
24) Chloroform-d	5.067	84	197748	38.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.78%		
26) 1,2-Dichloroethane-d4	5.706	65	141923	40.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.36%		
32) Benzene-d6	5.732	84	389535	40.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.34%		
36) 1,2-Dichloropropane-d6	6.694	67	129384	40.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.84%		
41) Toluene-d8	7.902	98	333606	39.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.72%#		
43) trans-1,3-Dichloroprop...	8.182	79	60212	42.81	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.62%		
47) 2-Hexanone-d5	8.639	63	188958	107.84	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.84%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	229282	46.57	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.14%		
66) 1,2-Dichlorobenzene-d4	12.195	152	134384	45.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.98%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	3083	0.88	ug/L #	1
12) 1,1-Dichloroethene	2.581	96	133134	57.71	ug/L #	78
16) Methylene chloride	3.051	84	156884	53.67	ug/L	93
19) 1,1-Dichloroethane	3.874	63	14762	2.92	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	160189	59.81	ug/L	93
30) 1,1,1-Trichloroethane	5.321	97	472935	122.25	ug/L	98
34) Trichloroethene	6.546	95	2373483	953.37	ug/L	99
42) Toluene	7.973	91	14589	1.39	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	3017	1.18	ug/L	89
52) Ethylbenzene	9.571	91	16916	1.52	ug/L	97
53) m,p-Xylene	9.697	106	26611	6.31	ug/L	98
54) o-xylene	10.105	106	13921	3.36	ug/L	95

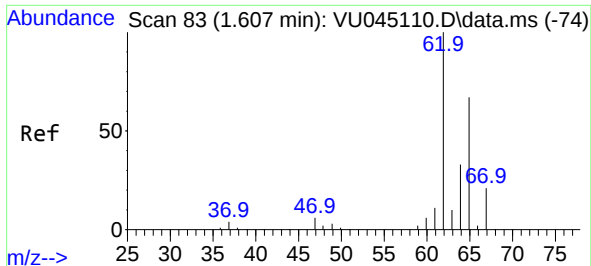
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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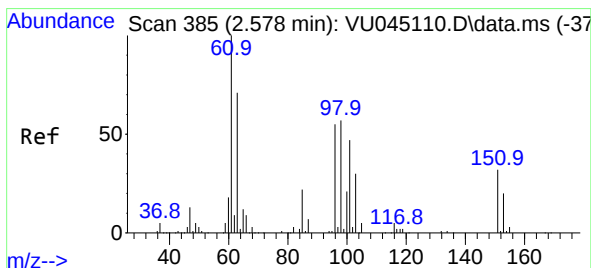
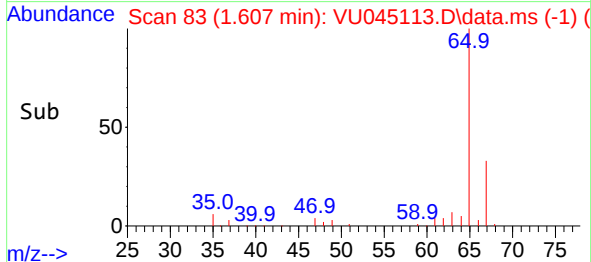
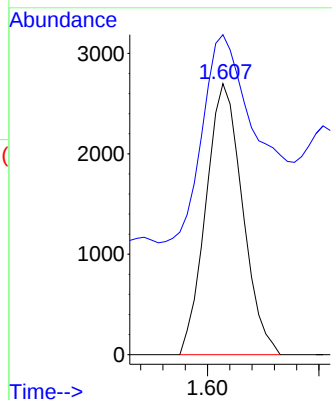
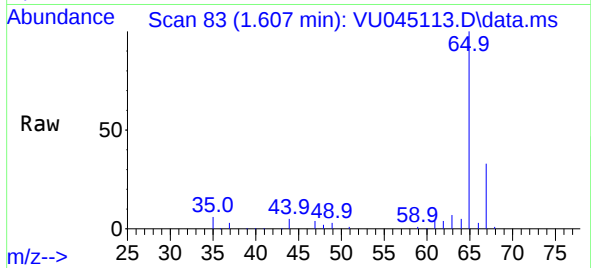




#5
 Vinyl chloride
 Concen: 0.88 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU045113.D
 Acq: 04 Oct 2021 22:34

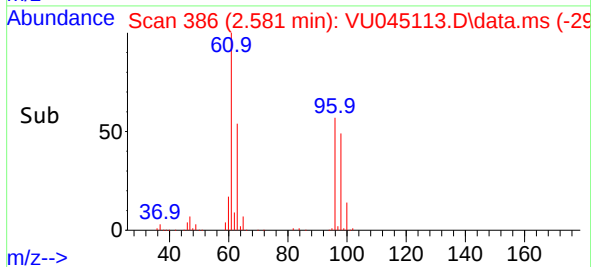
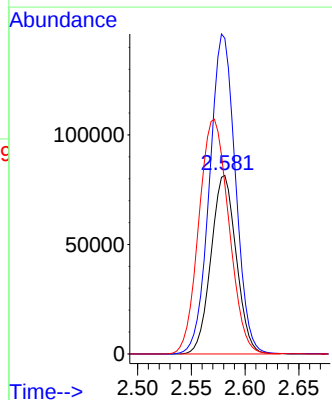
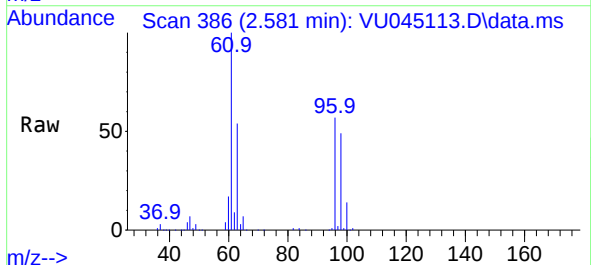
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH9

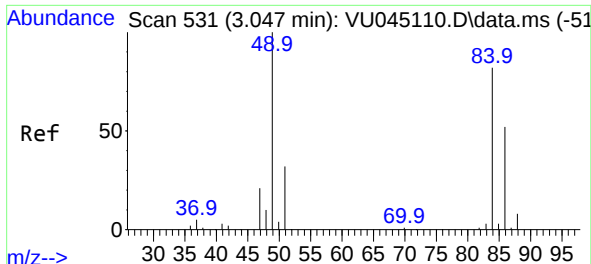
Tgt Ion: 62 Resp: 3083
 Ion Ratio Lower Upper
 62 100
 64 118.0 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 57.71 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU045113.D
 Acq: 04 Oct 2021 22:34

Tgt Ion: 96 Resp: 133134
 Ion Ratio Lower Upper
 96 100
 61 176.7 131.3 243.9
 63 94.9 102.5 190.3#

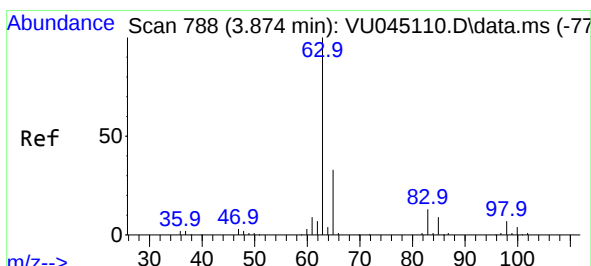
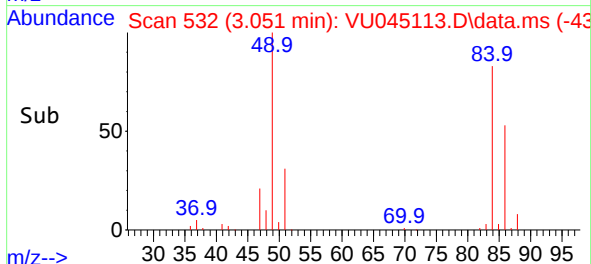
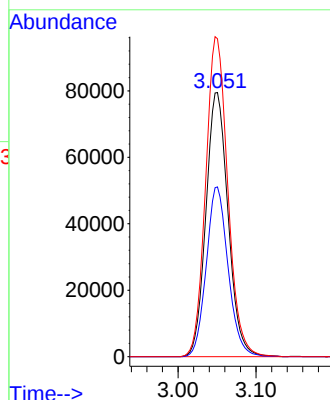
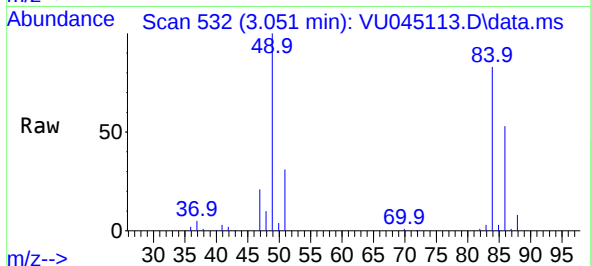




#16
Methylene chloride
Concen: 53.67 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

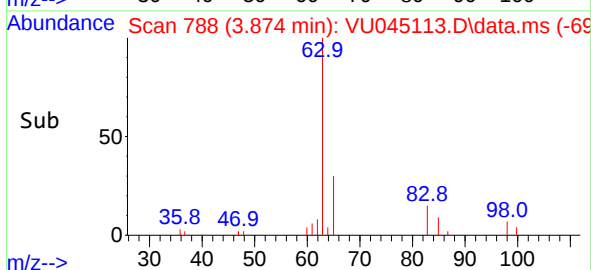
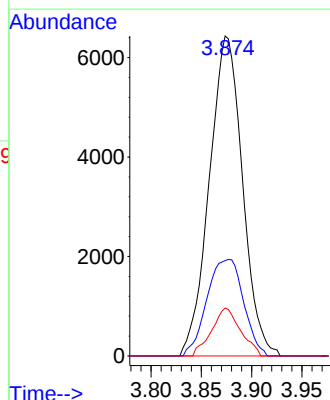
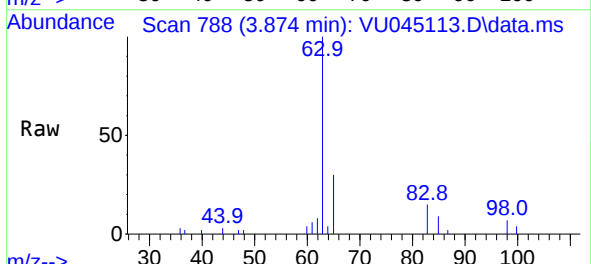
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

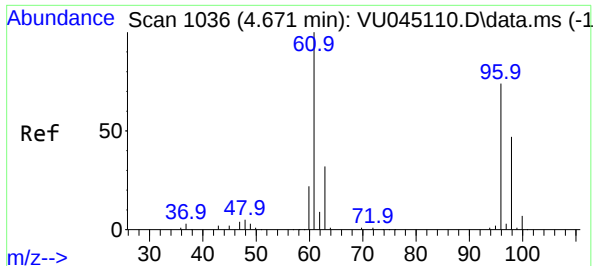
Tgt Ion: 84 Resp: 156884
Ion Ratio Lower Upper
84 100
86 64.3 44.7 83.1
49 120.4 92.9 172.5



#19
1,1-Dichloroethane
Concen: 2.92 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 63 Resp: 14762
Ion Ratio Lower Upper
63 100
65 29.8 22.0 40.8
83 15.0 9.0 16.6

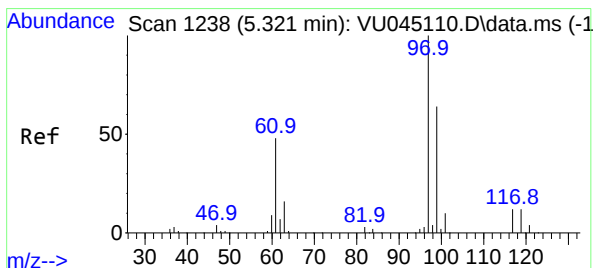
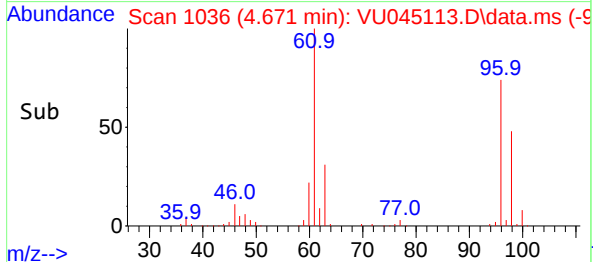
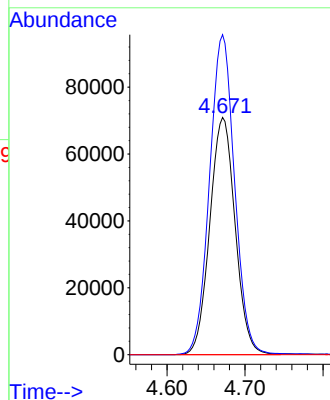
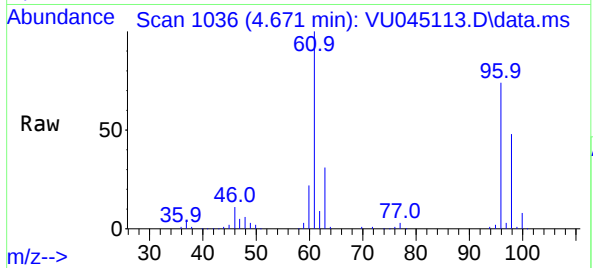




#20
cis-1,2-Dichloroethene
Concen: 59.81 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

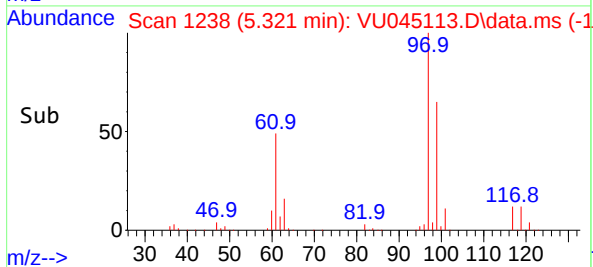
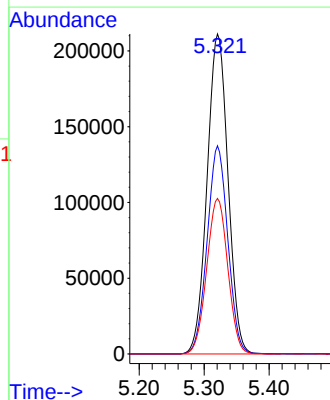
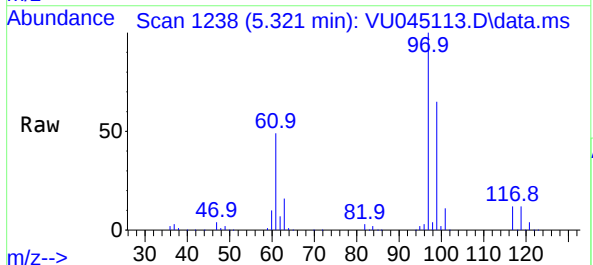
Instrument :
MSVOA_U
ClientSampled :
C0AH9

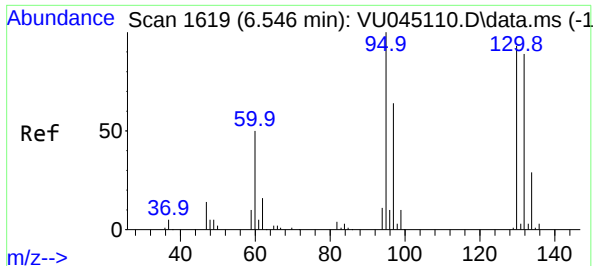
Tgt Ion: 96 Resp: 160189
Ion Ratio Lower Upper
96 100
61 134.9 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 122.25 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 97 Resp: 472935
Ion Ratio Lower Upper
97 100
99 64.3 50.6 75.8
61 49.1 41.3 61.9



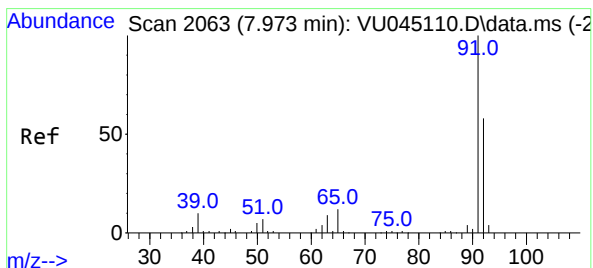
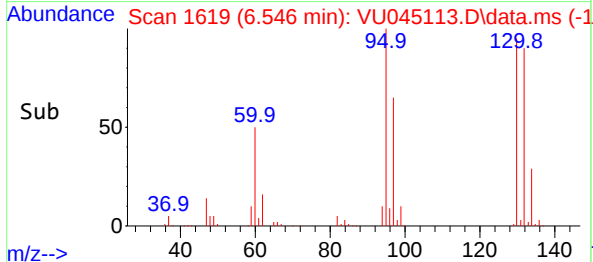
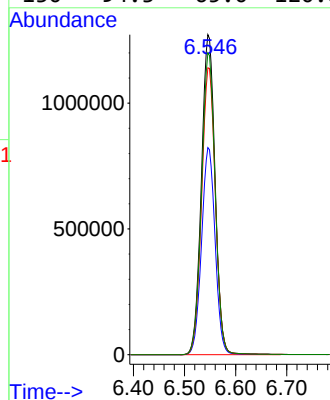
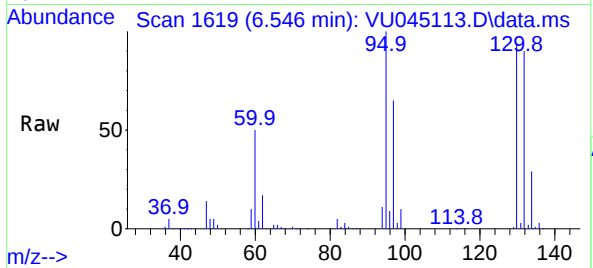


#34
Trichloroethene
Concen: 953.37 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Instrument :
MSVOA_U
ClientSampleId :
C0AH9

Tgt Ion: 95 Resp: 2373483

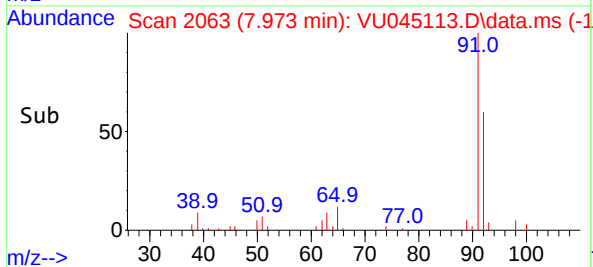
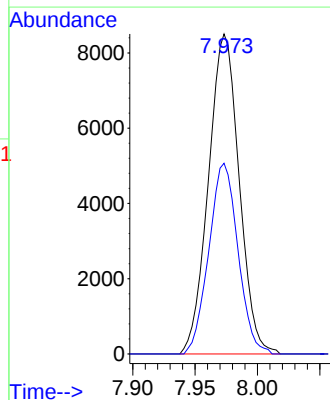
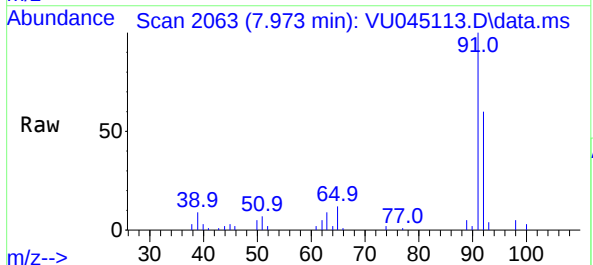
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.4	82.4
132	89.7	62.9	116.9
130	94.3	65.0	120.8

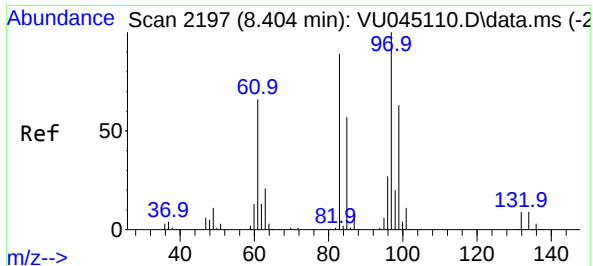


#42
Toluene
Concen: 1.39 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 91 Resp: 14589

Ion	Ratio	Lower	Upper
91	100		
92	59.6	40.5	75.1



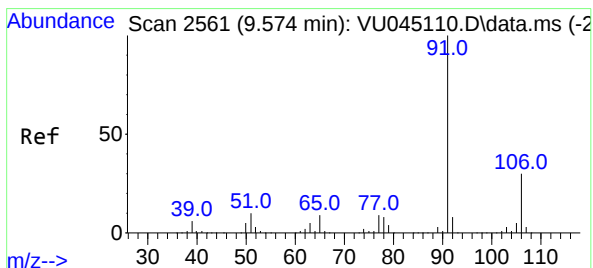
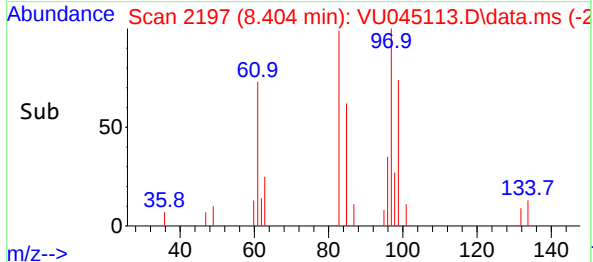
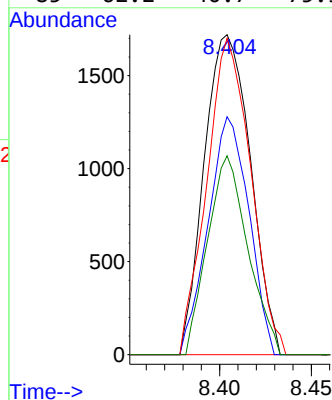
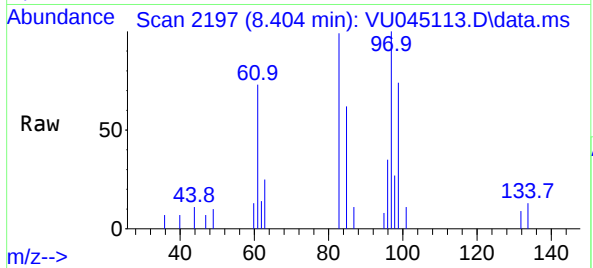


#45
1,1,2-Trichloroethane
Concen: 1.18 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Instrument :
MSVOA_U
ClientSampled :
C0AH9

Tgt Ion: 97 Resp: 3017

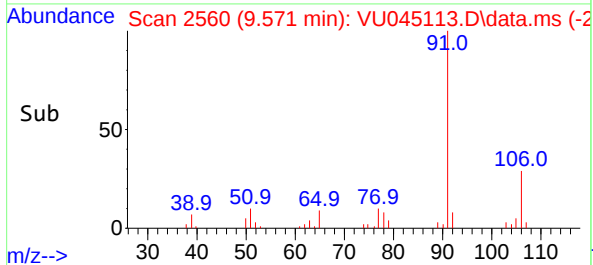
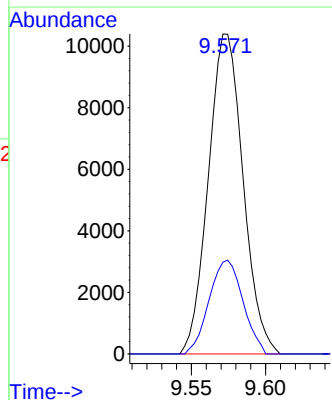
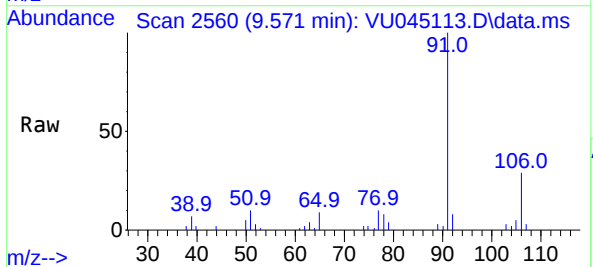
Ion	Ratio	Lower	Upper
97	100		
99	74.4	43.7	81.1
83	98.8	61.9	115.1
85	62.2	40.7	75.5

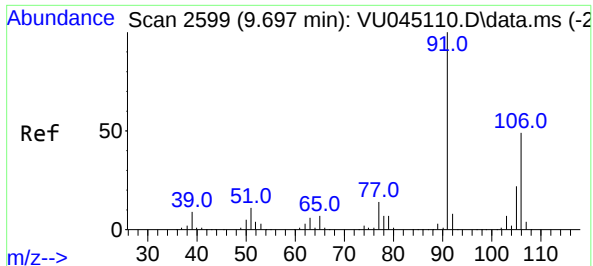


#52
Ethylbenzene
Concen: 1.52 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion: 91 Resp: 16916

Ion	Ratio	Lower	Upper
91	100		
106	28.7	21.2	39.4

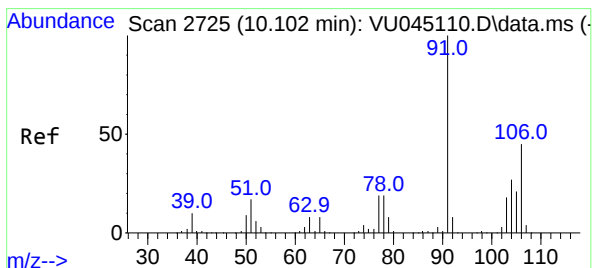
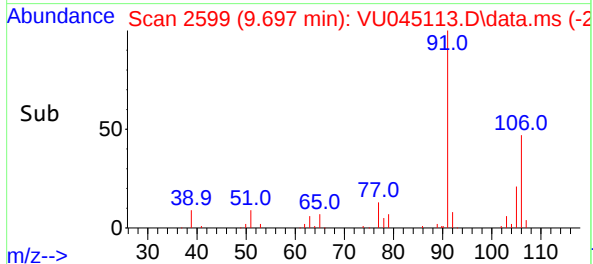
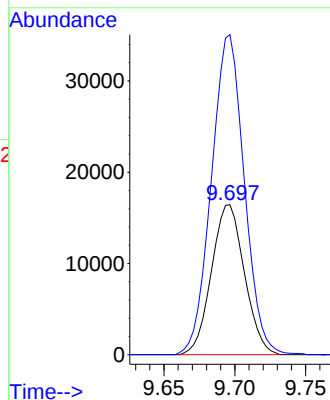
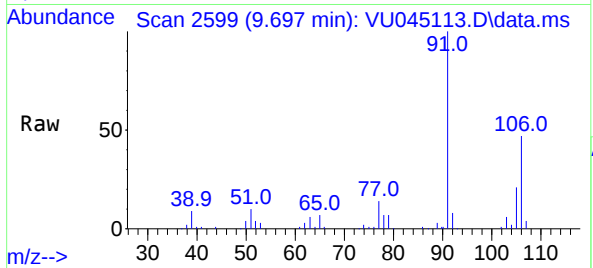




#53
m,p-Xylene
Concen: 6.31 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Instrument :
MSVOA_U
ClientSampleId :
C0AH9

Tgt Ion:106 Resp: 26611
Ion Ratio Lower Upper
106 100
91 213.3 146.7 272.4



#54
o-xylene
Concen: 3.36 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU045113.D
Acq: 04 Oct 2021 22:34

Tgt Ion:106 Resp: 13921
Ion Ratio Lower Upper
106 100
91 226.7 152.9 283.9

