

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045161.D
 Acq On : 05 Oct 2021 22:00
 Operator : SY/MD
 Sample : M4023-11 400X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK0

Quant Time: Oct 06 04:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 01:40:56 2021
 Response via : Initial Calibration

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

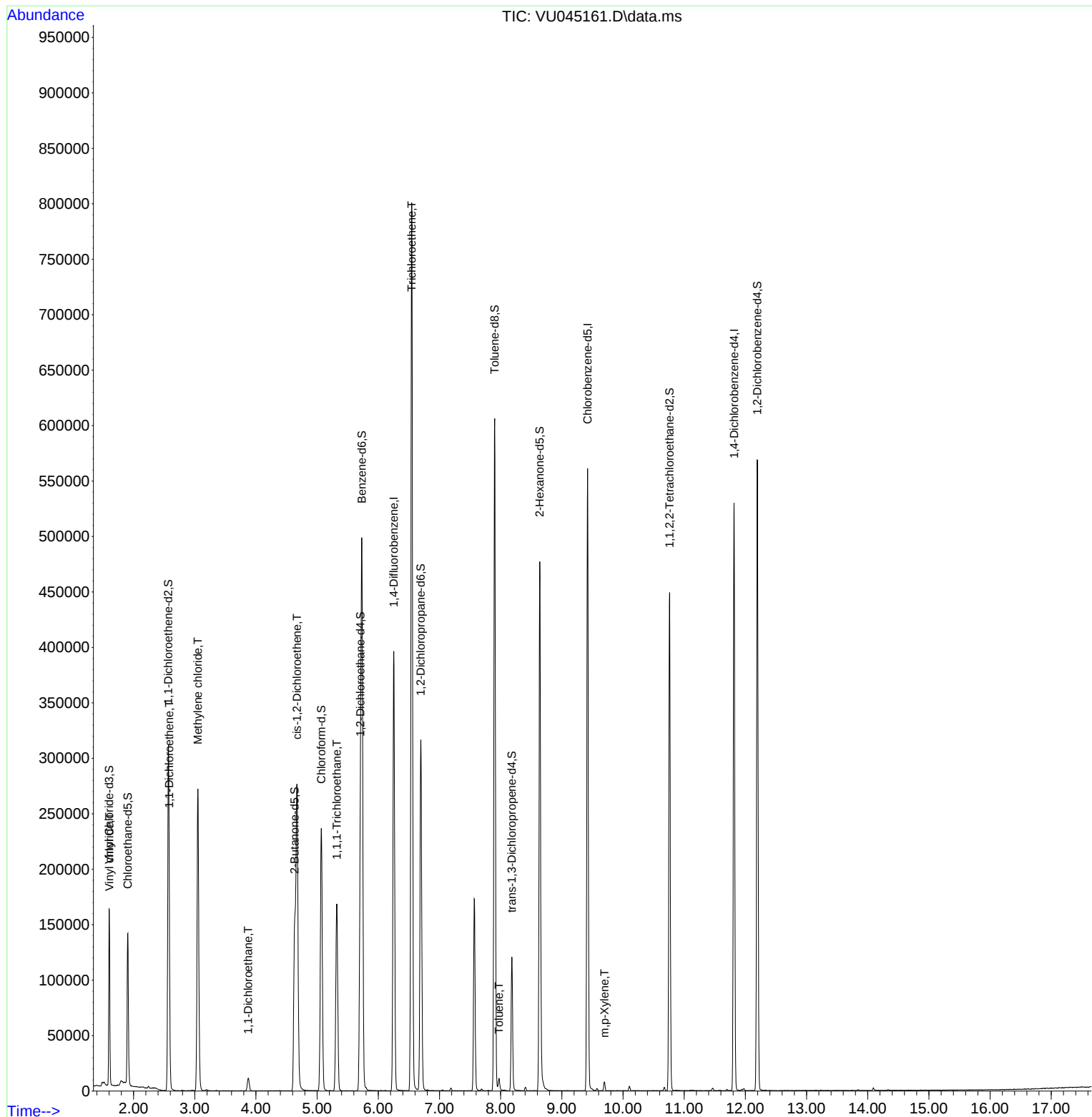
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	307607	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	291243	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	130335	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	113916	33.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.66%		
7) Chloroethane-d5	1.906	69	106036	39.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.48%		
11) 1,1-Dichloroethene-d2	2.568	63	178539	31.57	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.14%		
21) 2-Butanone-d5	4.632	46	238774	89.69	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.69%		
24) Chloroform-d	5.070	84	217329	40.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.72%		
26) 1,2-Dichloroethane-d4	5.706	65	154195	42.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.60%		
32) Benzene-d6	5.732	84	443408	43.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.76%		
36) 1,2-Dichloropropane-d6	6.693	67	144468	43.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.68%		
41) Toluene-d8	7.902	98	392343	44.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.98%		
43) trans-1,3-Dichloroprop...	8.182	79	64715	44.15	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.30%		
47) 2-Hexanone-d5	8.639	63	166849	91.37	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.37%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	218749	42.63	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.26%		
66) 1,2-Dichlorobenzene-d4	12.195	152	137617	48.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.04%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	3106	0.86	ug/L #	1
12) 1,1-Dichloroethene	2.581	96	24478	10.28	ug/L #	9
16) Methylene chloride	3.051	84	131000	43.41	ug/L	95
19) 1,1-Dichloroethane	3.874	63	13436	2.57	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	129225	46.73	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	118541	29.40	ug/L	98
34) Trichloroethene	6.546	95	269912	104.03	ug/L	98
42) Toluene	7.973	91	7280	0.66	ug/L	100
53) m,p-Xylene	9.697	106	2410	0.55	ug/L	81

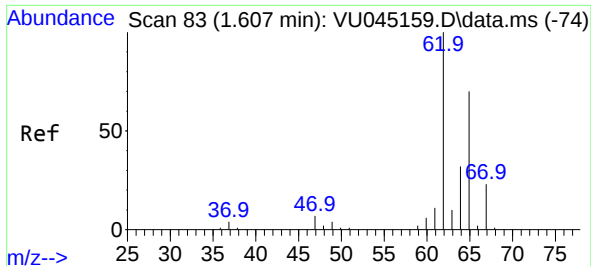
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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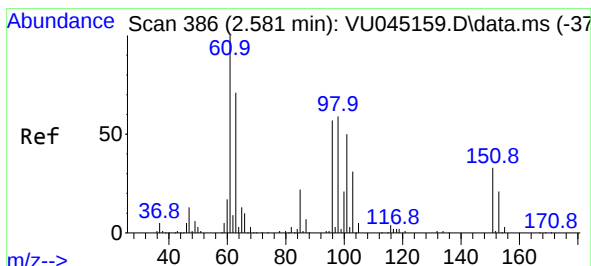
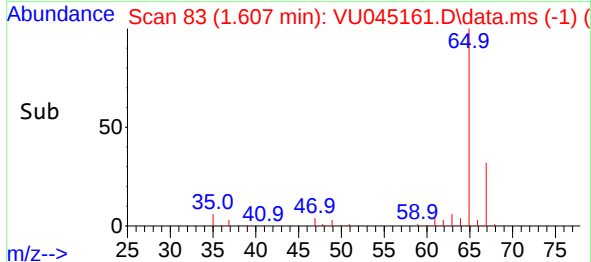
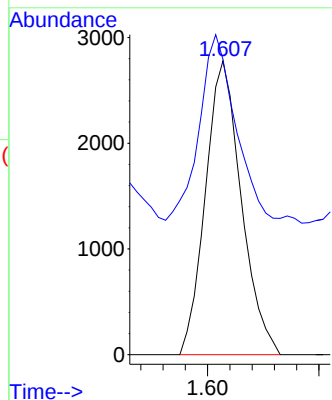
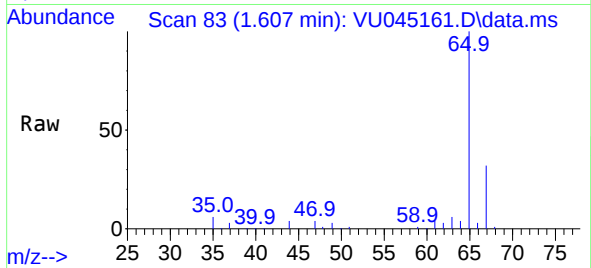




#5
 Vinyl chloride
 Concen: 0.86 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU045161.D
 Acq: 05 Oct 2021 22:00

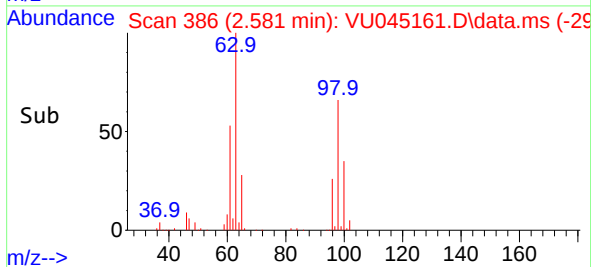
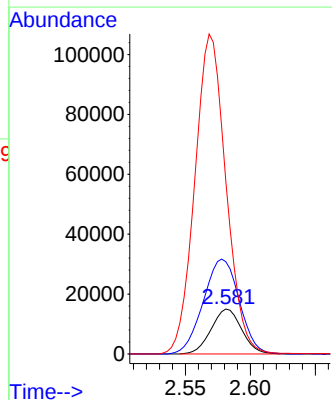
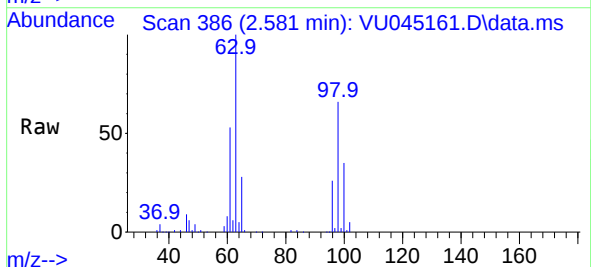
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK0

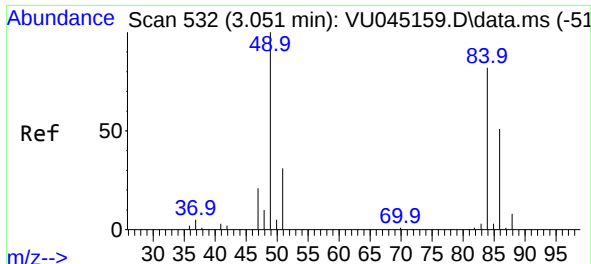
Tgt Ion: 62 Resp: 3106
 Ion Ratio Lower Upper
 62 100
 64 100.6 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 10.28 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU045161.D
 Acq: 05 Oct 2021 22:00

Tgt Ion: 96 Resp: 24478
 Ion Ratio Lower Upper
 96 100
 61 205.7 131.3 243.9
 63 385.2 102.5 190.3#

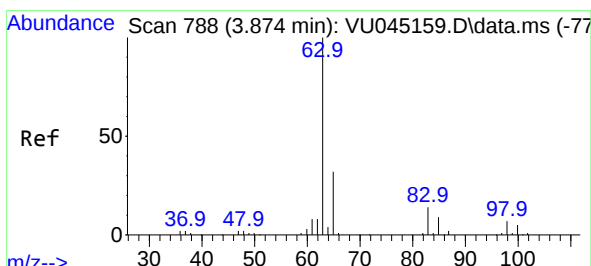
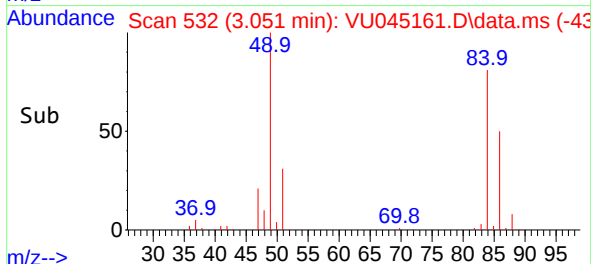
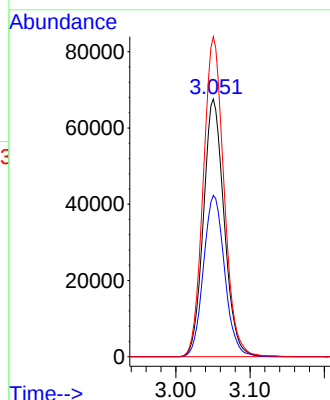
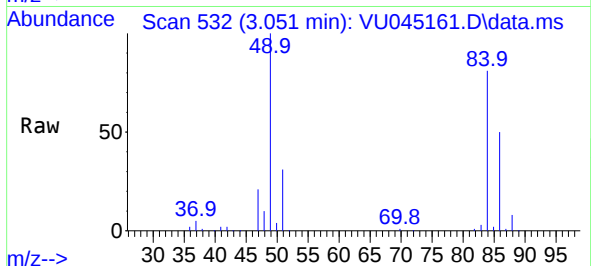




#16
Methylene chloride
Concen: 43.41 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU045161.D
Acq: 05 Oct 2021 22:00

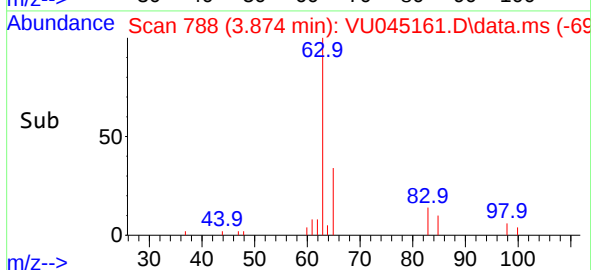
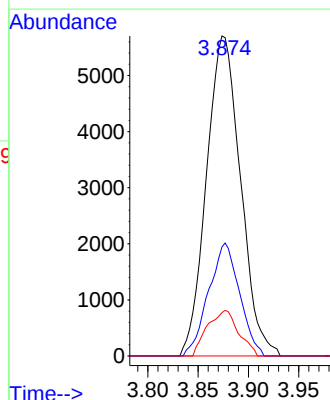
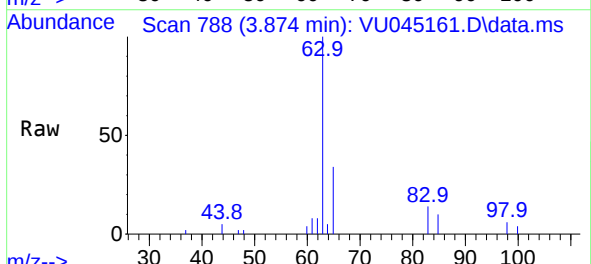
Instrument :
MSVOA_U
ClientSampleId :
C0AK0

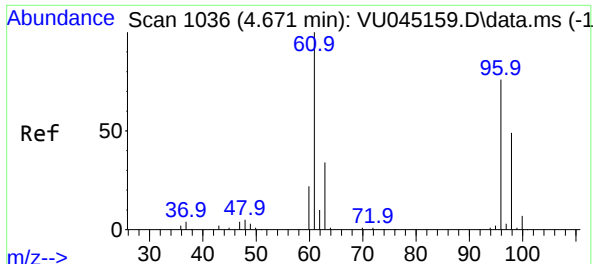
Tgt Ion: 84 Resp: 131000
Ion Ratio Lower Upper
84 100
86 62.6 44.7 83.1
49 124.2 92.9 172.5



#19
1,1-Dichloroethane
Concen: 2.57 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045161.D
Acq: 05 Oct 2021 22:00

Tgt Ion: 63 Resp: 13436
Ion Ratio Lower Upper
63 100
65 32.4 22.0 40.8
83 12.9 9.0 16.6

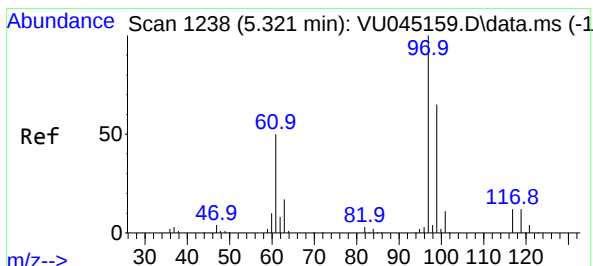
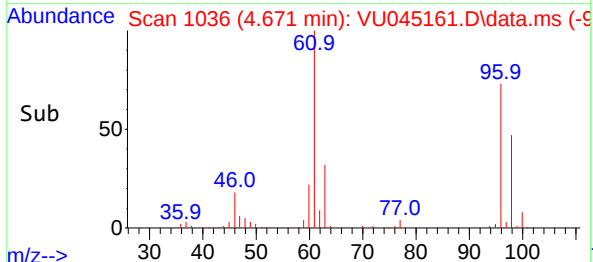
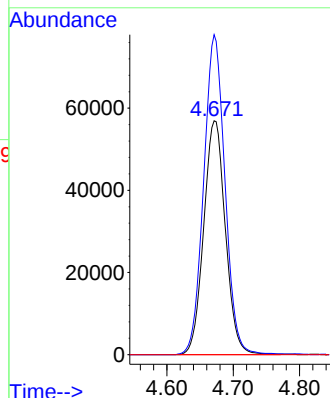
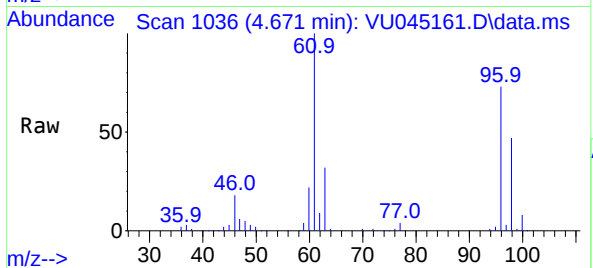




#20
cis-1,2-Dichloroethene
Concen: 46.73 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045161.D
Acq: 05 Oct 2021 22:00

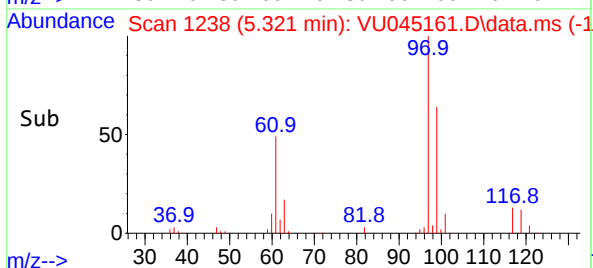
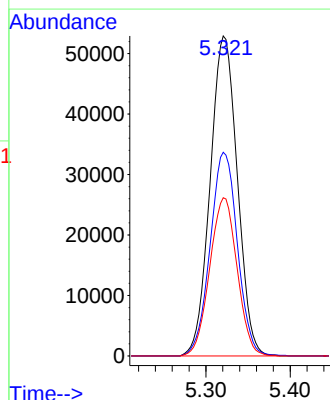
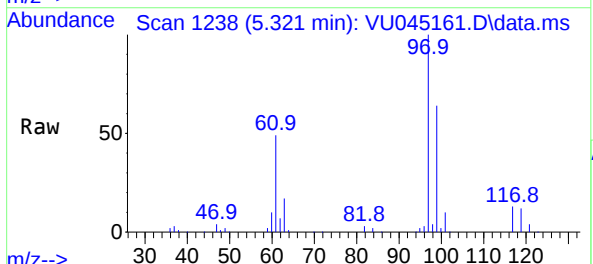
Instrument :
MSVOA_U
ClientSampleId :
C0AK0

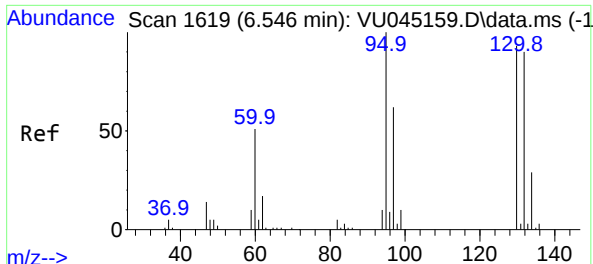
Tgt Ion: 96 Resp: 129225
Ion Ratio Lower Upper
96 100
61 136.8 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 29.40 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045161.D
Acq: 05 Oct 2021 22:00

Tgt Ion: 97 Resp: 118541
Ion Ratio Lower Upper
97 100
99 64.0 50.6 75.8
61 49.8 41.3 61.9





#34

Trichloroethene

Concen: 104.03 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU045161.D

Acq: 05 Oct 2021 22:00

Tgt Ion: 95 Resp: 269912

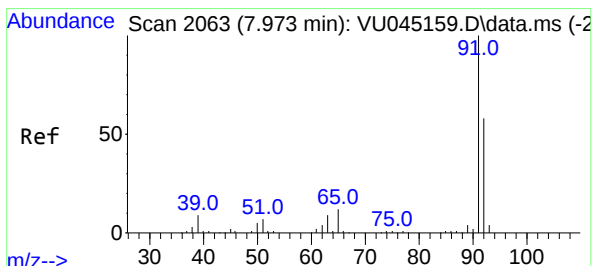
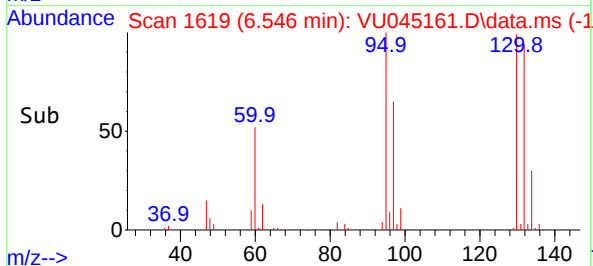
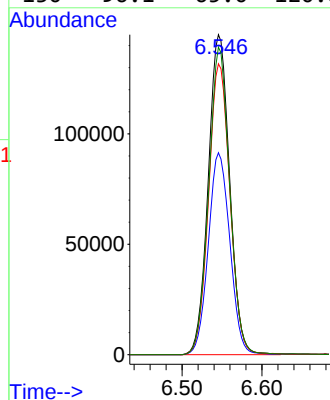
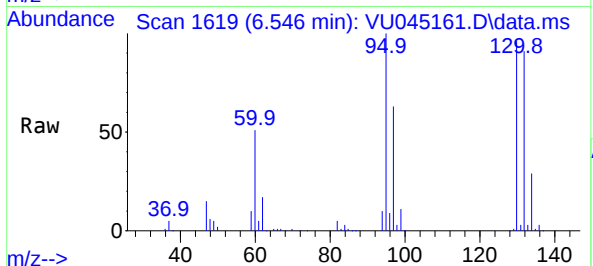
Ion Ratio Lower Upper

95 100

97 63.1 44.4 82.4

132 90.9 62.9 116.9

130 96.1 65.0 120.8



#42

Toluene

Concen: 0.66 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU045161.D

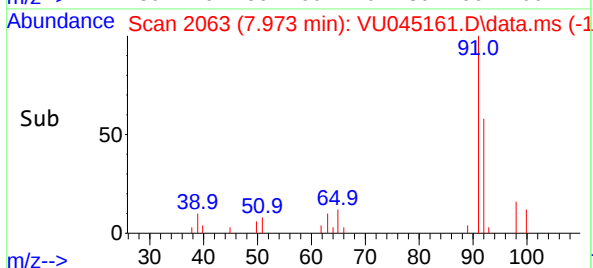
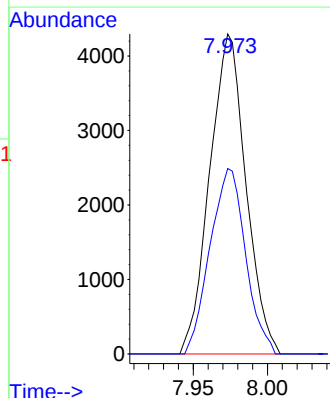
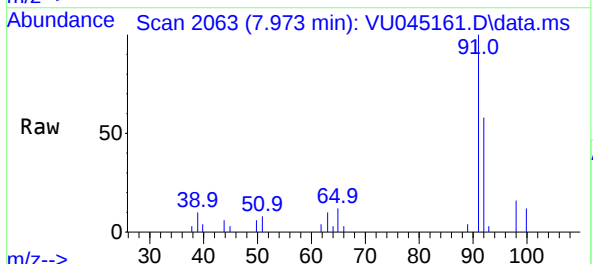
Acq: 05 Oct 2021 22:00

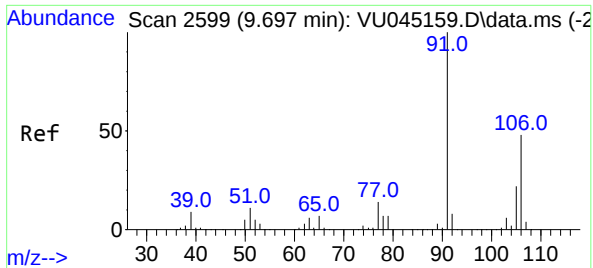
Tgt Ion: 91 Resp: 7280

Ion Ratio Lower Upper

91 100

92 58.0 40.5 75.1





#53
 m,p-Xylene
 Concen: 0.55 ug/L
 RT: 9.697 min Scan# 2599
 Delta R.T. -0.000 min
 Lab File: VU045161.D
 Acq: 05 Oct 2021 22:00

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 MSVOA_U
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Tgt Ion:106 Resp: 2410

Ion	Ratio	Lower	Upper
106	100		
91	180.4	146.7	272.4

