

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045100.D
 Acq On : 04 Oct 2021 16:45
 Operator : SY/MD
 Sample : M3996-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A25

Quant Time: Oct 05 02:46:37 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)

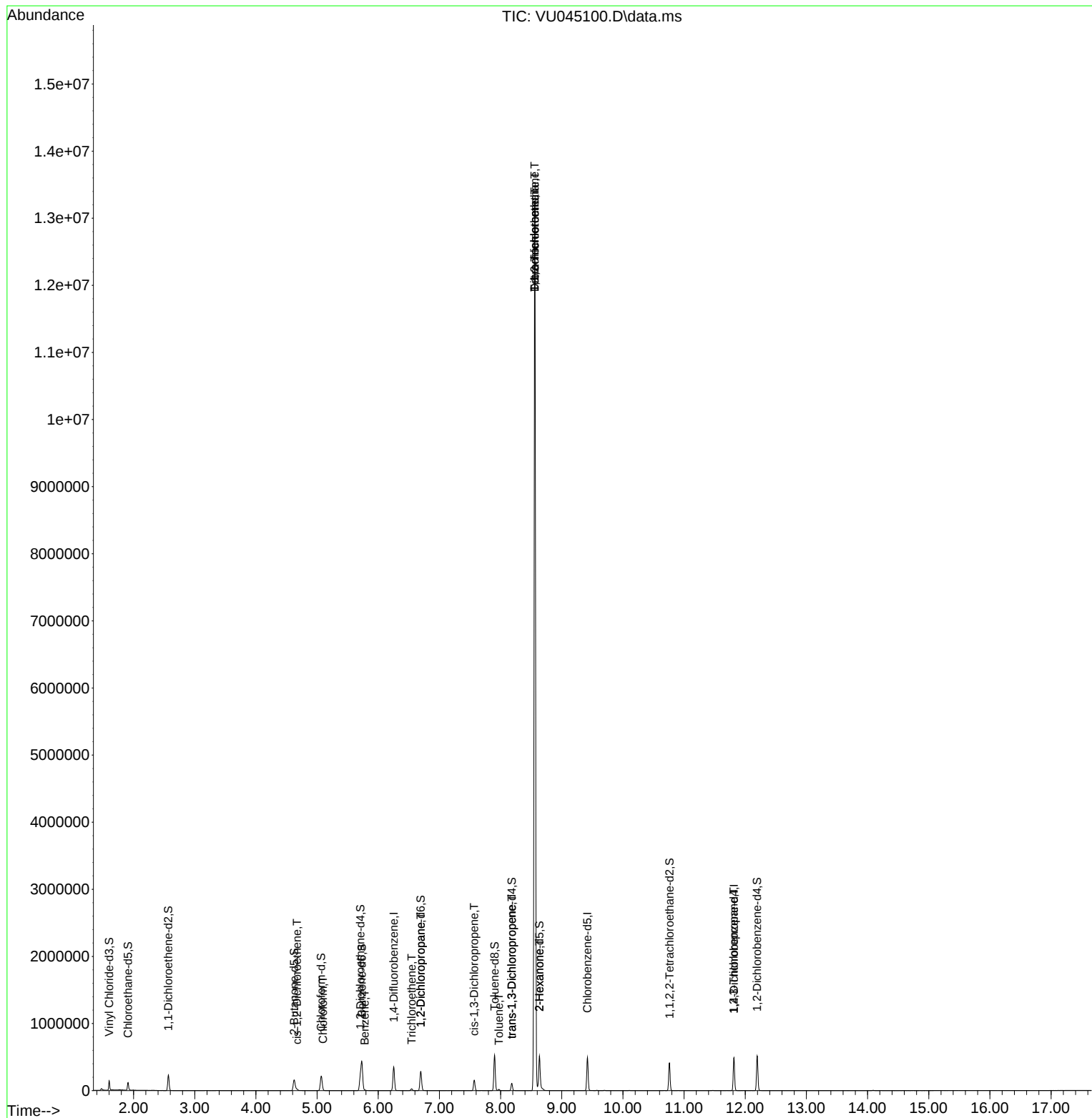
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	272612	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	256358	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	120879	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	94324	31.607	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	63.220%		
7) Chloroethane-d5	1.909	69	88623	37.475	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.940%		
11) 1,1-Dichloroethene-d2	2.568	63	136489	27.234	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.460%#		
21) 2-Butanone-d5	4.626	46	234514	99.399	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.400%		
24) Chloroform-d	5.067	84	194418	41.248	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.500%		
26) 1,2-Dichloroethane-d4	5.706	65	141012	44.167	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.340%		
32) Benzene-d6	5.732	84	389503	43.786	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.580%		
36) 1,2-Dichloropropane-d6	6.694	67	131057	45.184	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.360%		
41) Toluene-d8	7.902	98	334551	43.580	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.160%		
43) trans-1,3-Dichloroprop...	8.182	79	56672	43.924	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.840%		
47) 2-Hexanone-d5	8.636	63	171043	106.410	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.410%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	203522	45.060	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.120%		
66) 1,2-Dichlorobenzene-d4	12.195	152	126349	48.029	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.060%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.671	96	7304	2.981	ug/L	90
25) Chloroform	5.096	83	3175	0.690	ug/L	94
33) Benzene	5.777	78	7238	0.761	ug/L	100
34) Trichloroethene	6.546	95	8243	3.609	ug/L	97
37) 1,2-Dichloropropane	6.694	63	14624	5.649	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3738	1.009	ug/L #	68
42) Toluene	7.973	91	12611	1.305	ug/L	96
44) trans-1,3-Dichloropropene	8.182	75	2643	0.750	ug/L	83
45) 1,1,2-Trichloroethane	8.558	97	25908	11.043	ug/L #	1
46) Tetrachloroethene	8.558	164	2731373	1673.265	ug/L	98
48) 2-Hexanone	8.636	43	19763	5.153	ug/L #	67
49) Dibromochloromethane	8.558	129	2673408	1152.188	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	16067	4.806	ug/L #	69

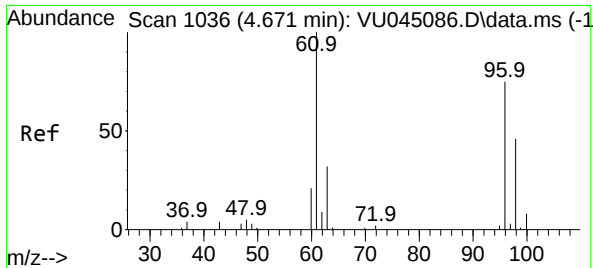
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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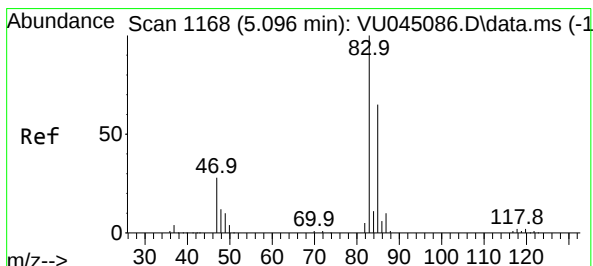
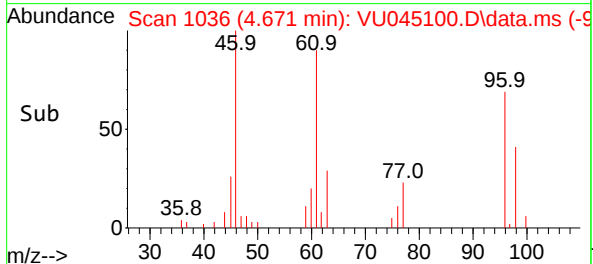
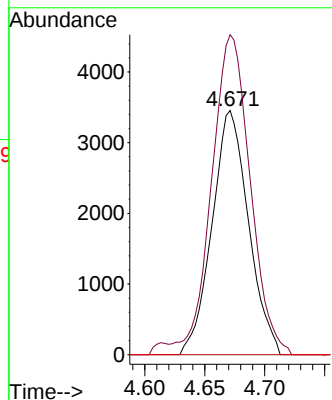
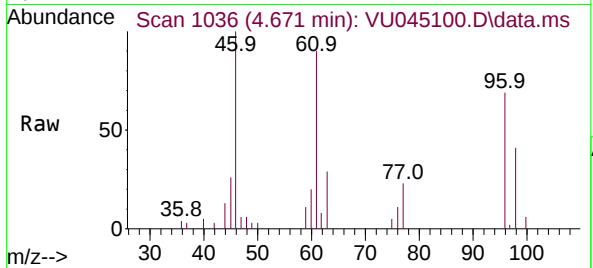




#20
cis-1,2-Dichloroethene
Concen: 2.981 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

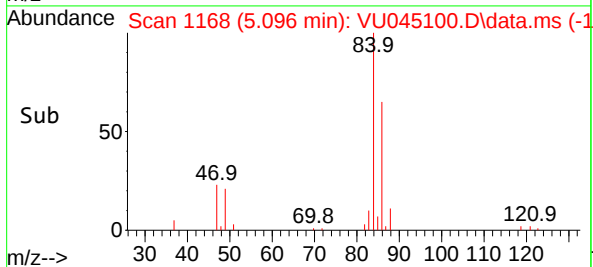
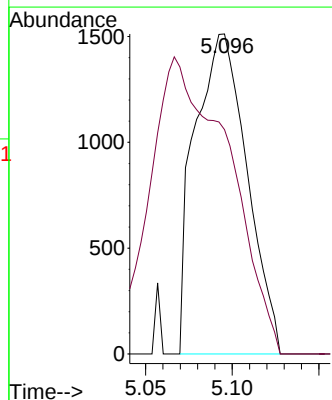
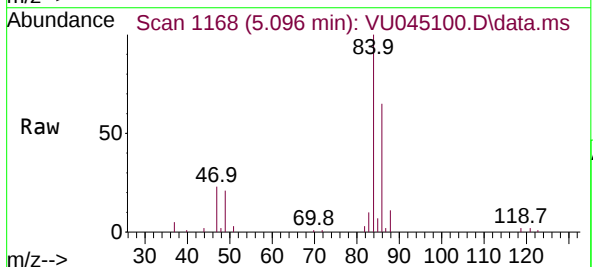
Instrument :
MSVOA_U
ClientSampled :
F4A25

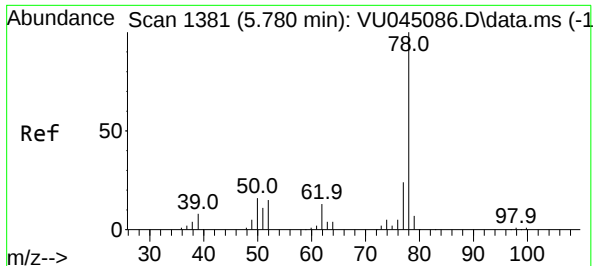
Tgt Ion: 96 Resp: 7304
Ion Ratio Lower Upper
96 100
61 131.0 100.2 186.0
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.690 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

Tgt Ion: 83 Resp: 3175
Ion Ratio Lower Upper
83 100
85 70.1 45.6 84.6

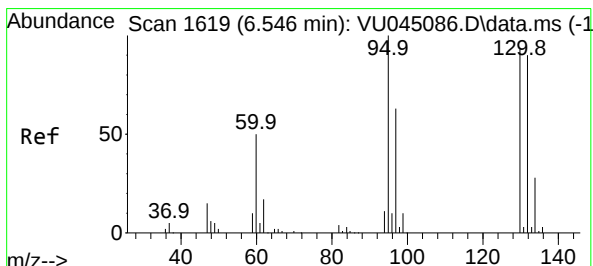
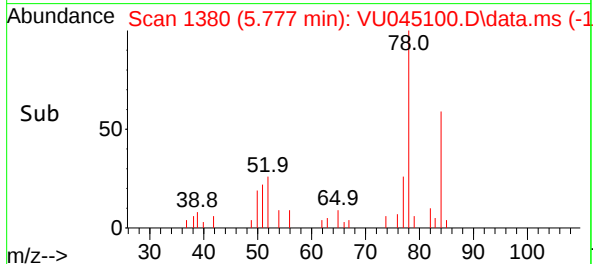
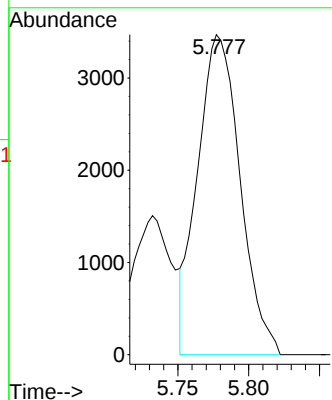
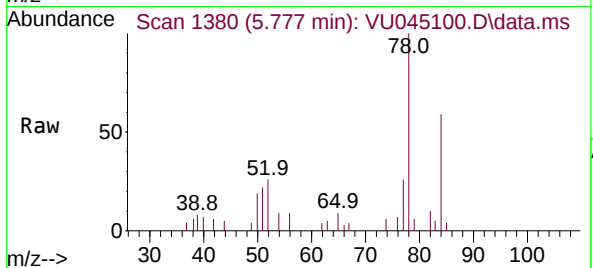




#33
Benzene
Concen: 0.761 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

Instrument :
MSVOA_U
ClientSampleId :
F4A25

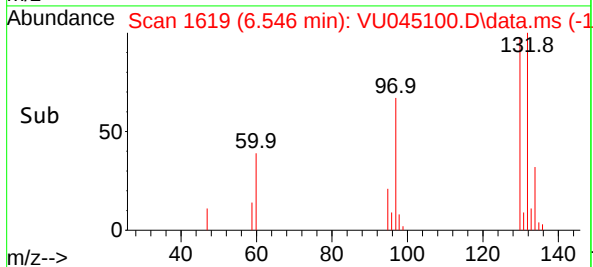
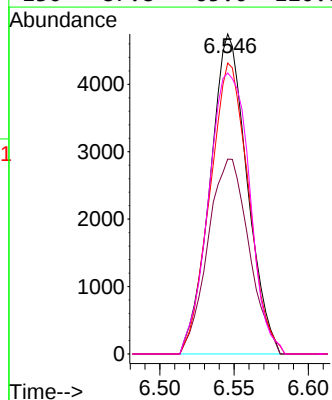
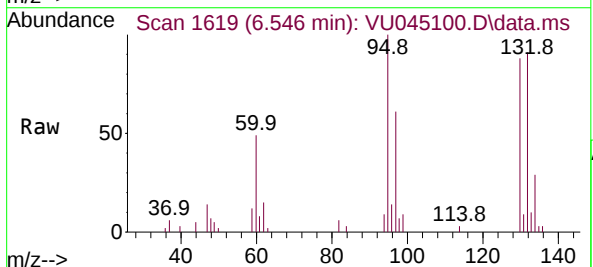
Tgt Ion: 78 Resp: 7238

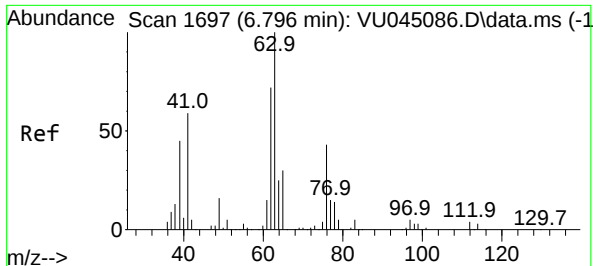


#34
Trichloroethene
Concen: 3.609 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

Tgt Ion: 95 Resp: 8243

Ion	Ratio	Lower	Upper
95	100		
97	60.9	44.4	82.4
132	90.9	62.9	116.9
130	87.8	65.0	120.8



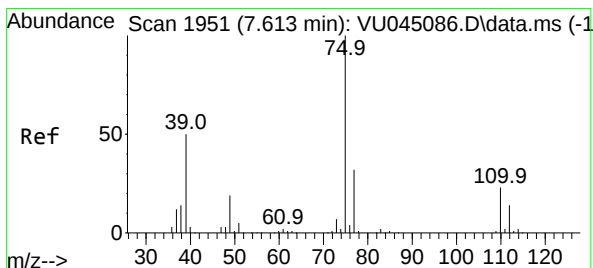
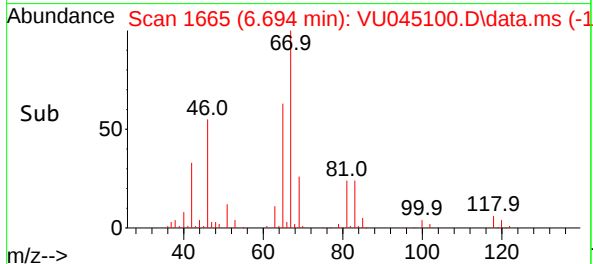
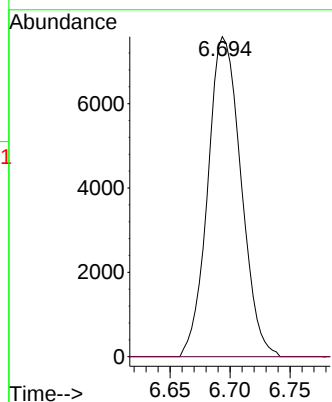
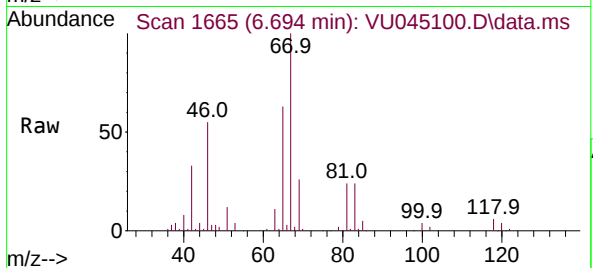


#37

1,2-Dichloropropane
Concen: 5.649 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

Instrument :
MSVOA_U
ClientSampleId :
F4A25

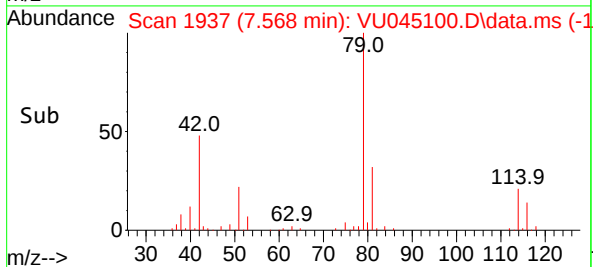
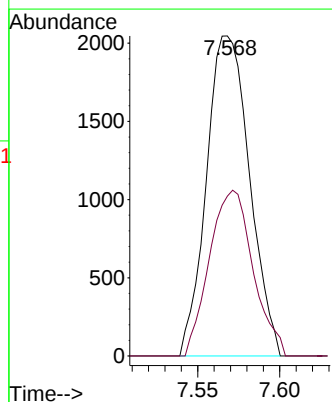
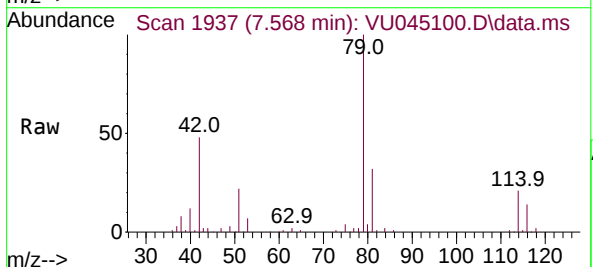
Tgt Ion: 63 Resp: 14624
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

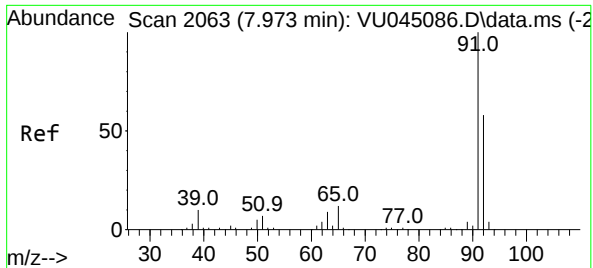


#39

cis-1,3-Dichloropropene
Concen: 1.009 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

Tgt Ion: 75 Resp: 3738
Ion Ratio Lower Upper
75 100
77 50.0 22.4 41.6#

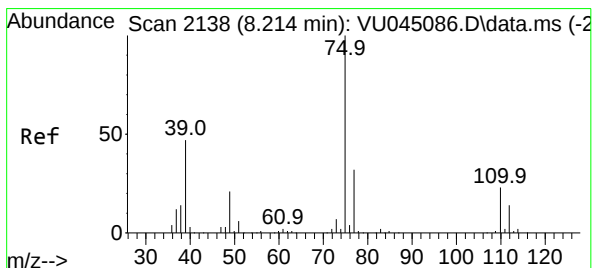
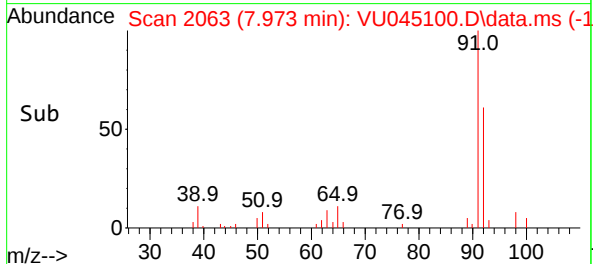
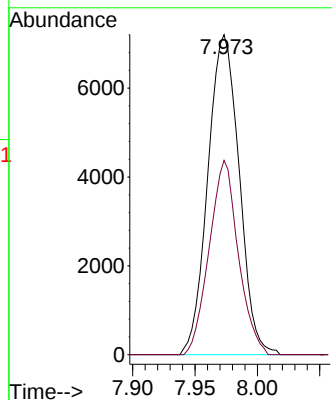
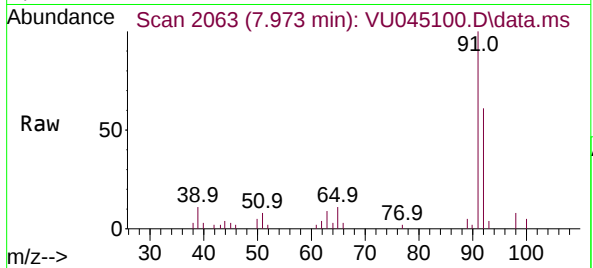




#42
Toluene
Concen: 1.305 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

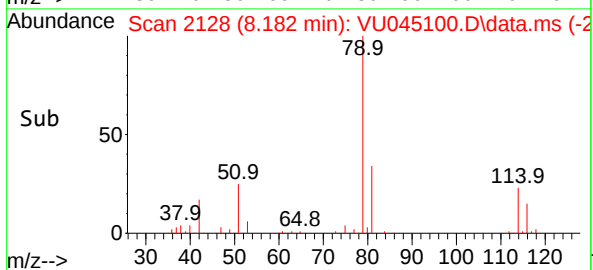
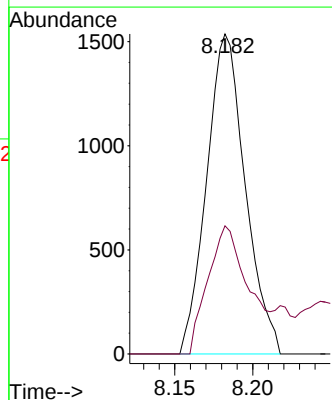
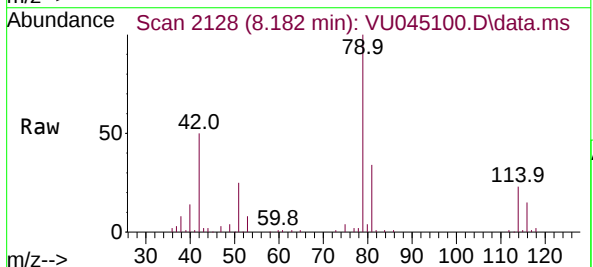
Instrument :
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ClientSampled :
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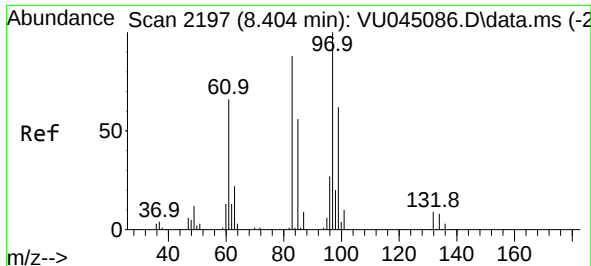
Tgt Ion: 91 Resp: 12611
Ion Ratio Lower Upper
91 100
92 60.7 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.750 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

Tgt Ion: 75 Resp: 2643
Ion Ratio Lower Upper
75 100
77 40.1 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 11.043 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. 0.154 min

Lab File: VU045100.D

Acq: 04 Oct 2021 16:45

Tgt Ion: 97 Resp: 25908

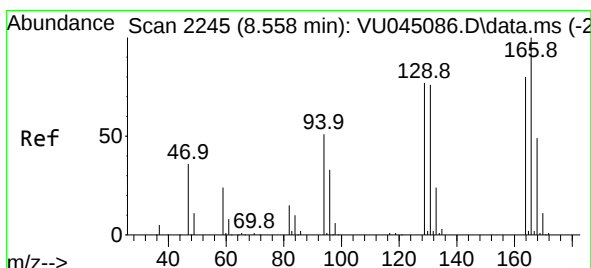
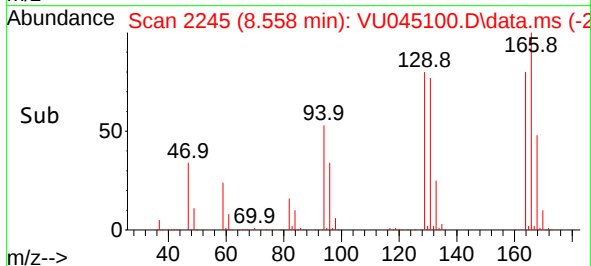
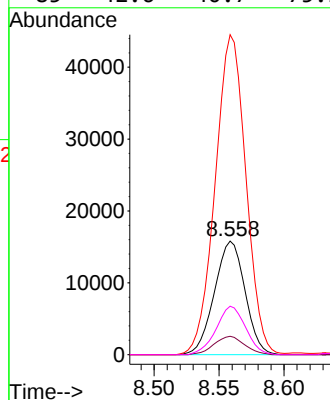
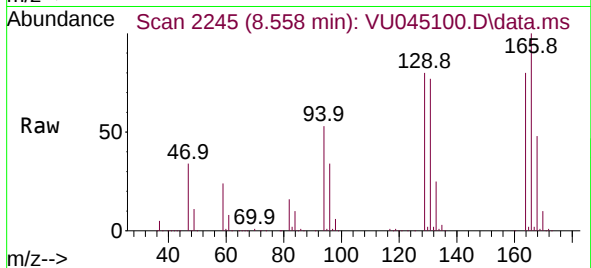
Ion Ratio Lower Upper

97 100

99 16.2 43.7 81.1#

83 281.6 61.9 115.1#

85 42.6 40.7 75.5



#46

Tetrachloroethene

Concen: 1673.265 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.000 min

Lab File: VU045100.D

Acq: 04 Oct 2021 16:45

Tgt Ion:164 Resp: 2731373

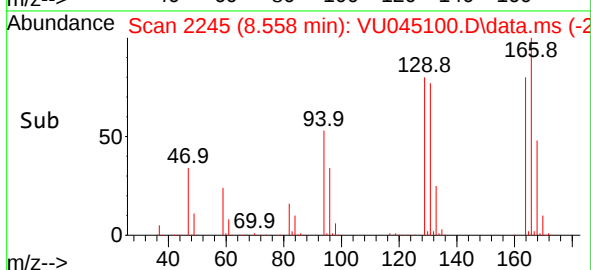
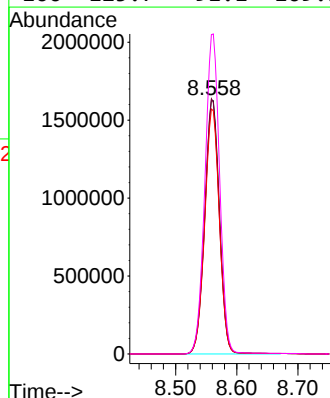
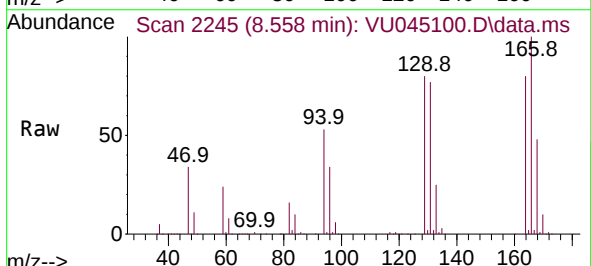
Ion Ratio Lower Upper

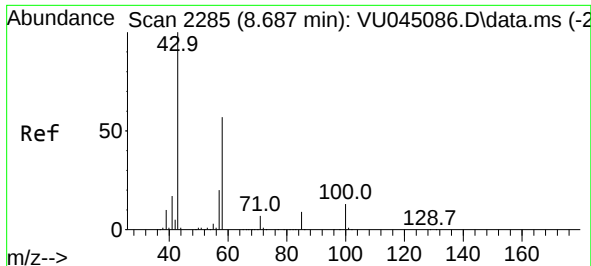
164 100

129 100.4 69.8 129.6

131 96.4 66.4 123.2

166 125.7 91.1 169.3

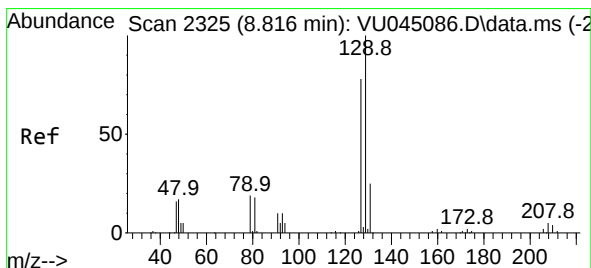
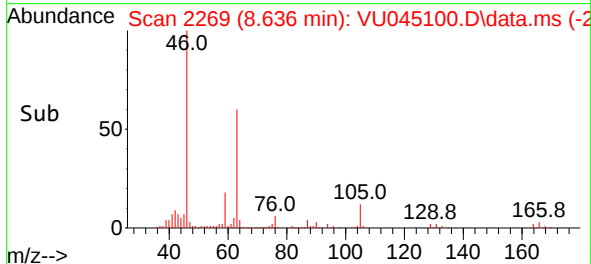
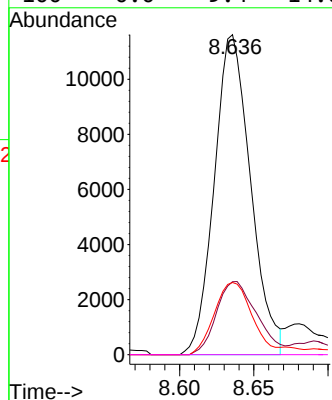
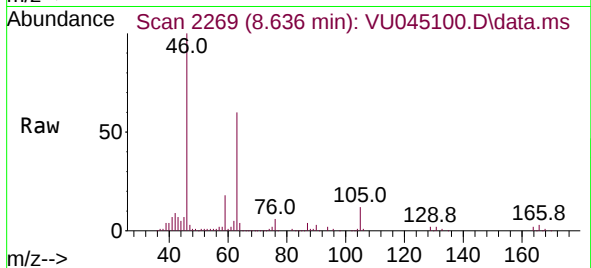




#48
2-Hexanone
Concen: 5.153 ug/L
RT: 8.636 min Scan# 2269
Delta R.T. -0.051 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

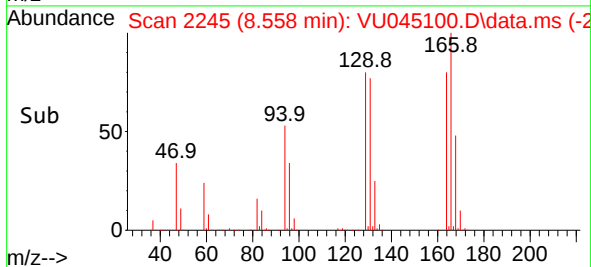
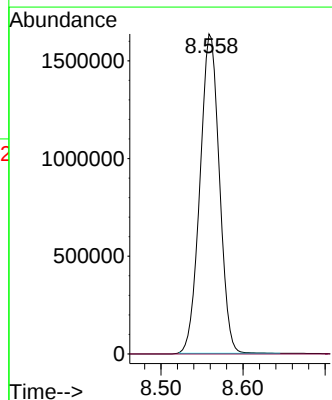
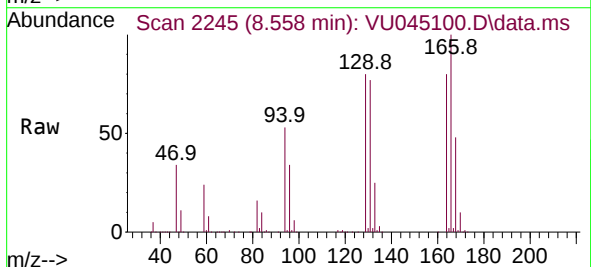
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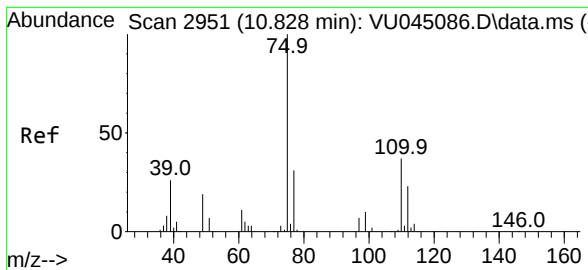
Tgt Ion:	43	Resp:	19763
Ion	Ratio	Lower	Upper
43	100		
58	25.4	44.9	67.3#
57	23.5	15.5	23.3#
100	0.0	9.4	14.0#



#49
Dibromochloromethane
Concen: 1152.188 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU045100.D
Acq: 04 Oct 2021 16:45

Tgt Ion:	129	Resp:	2673408
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.8#





#60
 1,2,3-Trichloropropane
 Concen: 4.806 ug/L
 RT: 11.812 min Scan# 3257
 Delta R.T. 0.984 min
 Lab File: VU045100.D
 Acq: 04 Oct 2021 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A25

Tgt Ion: 75	Resp: 16067
Ion Ratio	Lower Upper
75 100	
77 32.5	25.5 38.3
110 2.6	29.0 43.4#

