

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110723\
 Data File : VU056098.D
 Acq On : 07 Nov 2023 14:57
 Operator : MD/SY
 Sample : 05281-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 00:43:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 00:38:11 2023
 Response via : Initial Calibration

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

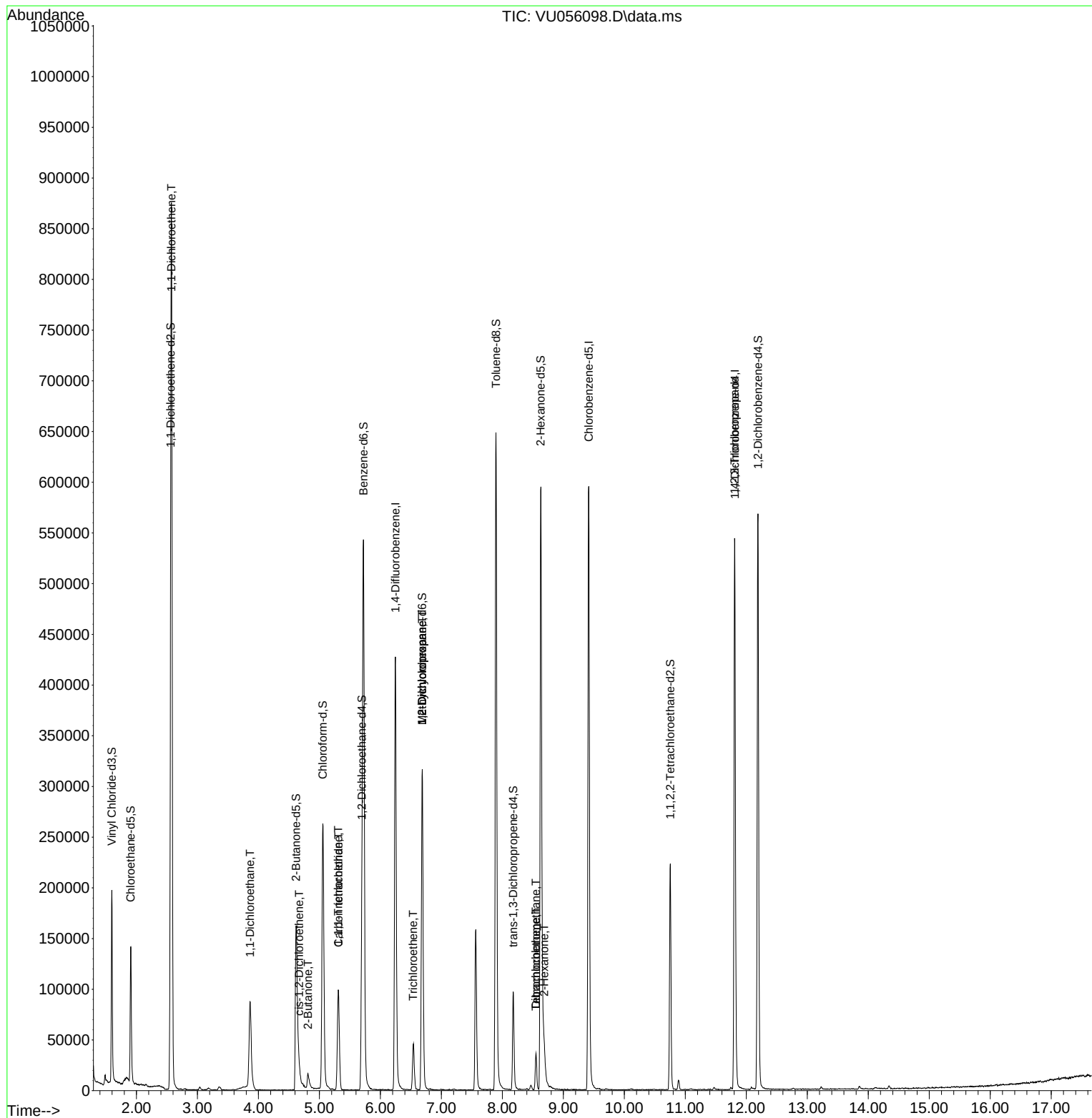
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	358098	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	366692	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	155842	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	136780	6.154	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 123.000%		
7) Chloroethane-d5	1.904	69	106910	7.088	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 141.800%#		
11) 1,1-Dichloroethene-d2	2.560	65	59269	6.052	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 121.000%		
20) 2-Butanone-d5	4.618	46	247928	67.991	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 135.980%#		
24) Chloroform-d	5.055	84	258445	6.108	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 122.200%		
26) 1,2-Dichloroethane-d4	5.695	65	121424	6.518	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 130.400%#		
32) Benzene-d6	5.721	84	536747	6.095	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 121.800%		
36) 1,2-Dichloropropane-d6	6.685	67	161327	6.223	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 124.400%		
41) Toluene-d8	7.894	98	463558	5.744	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 114.800%		
43) trans-1,3-Dichloroprop...	8.177	79	56910	5.743	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 114.800%		
46) 2-Hexanone-d5	8.628	63	202733	62.418	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 124.840%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	115594	6.247	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 125.000%#		
66) 1,2-Dichlorobenzene-d4	12.190	152	159868	6.652	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 133.000%#		
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	254327	11.050	ug/L	94
19) 1,1-Dichloroethane	3.862	63	98847	2.222	ug/L	96
21) 2-Butanone	4.811	43	22202	5.006	ug/L #	44
22) cis-1,2-Dichloroethene	4.666	96	3164	0.120	ug/L	88
29) 1,1,1-Trichloroethane	5.309	97	73331	1.746	ug/L	98
31) Carbon tetrachloride	5.313	117	9463	0.254	ug/L	99
34) Trichloroethene	6.538	95	15881	0.554	ug/L	95
35) Methylcyclohexane	6.685	83	38200	0.896	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	16289	0.597	ug/L #	87
47) Tetrachloroethene	8.547	164	8087	0.376	ug/L	95
48) 2-Hexanone	8.685	43	21888	2.517	ug/L #	79
49) Dibromochloromethane	8.550	129	8537	0.399	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	17844	1.326	ug/L #	69

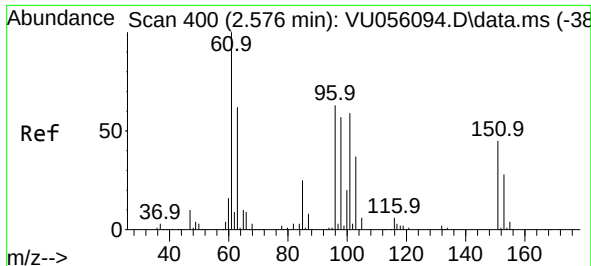
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 11.050 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056098.D

Acq: 07 Nov 2023 14:57

Instrument :

MSVOA_U

ClientSampleId :

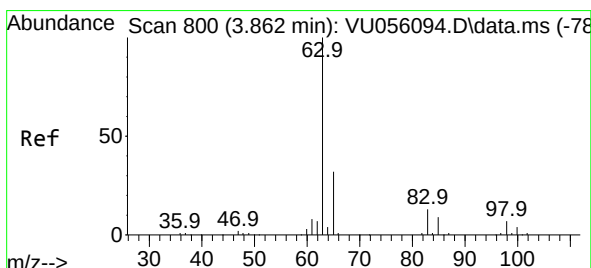
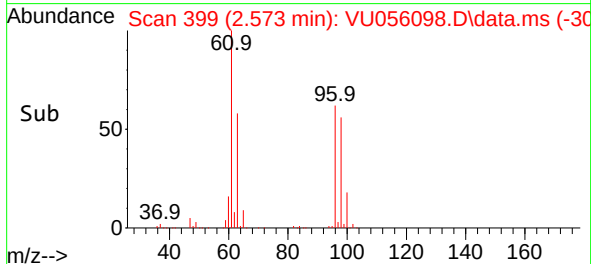
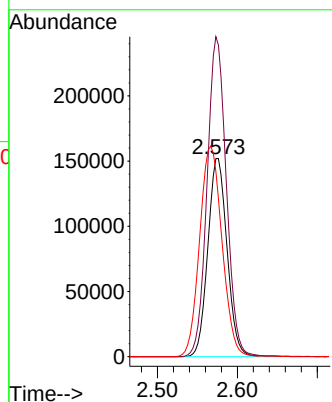
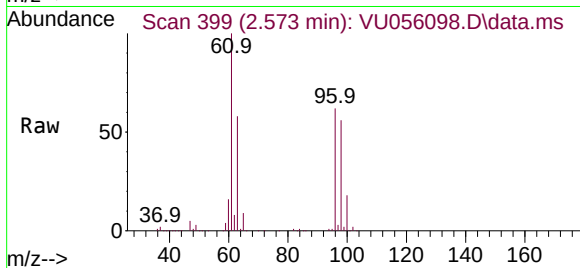
Tgt Ion: 96 Resp: 254327

Ion Ratio Lower Upper

96 100

61 161.6 111.7 207.5

63 93.6 74.5 138.3



#19

1,1-Dichloroethane

Concen: 2.222 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056098.D

Acq: 07 Nov 2023 14:57

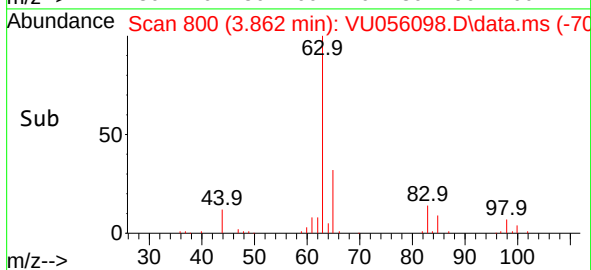
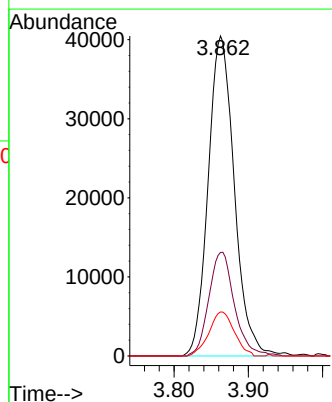
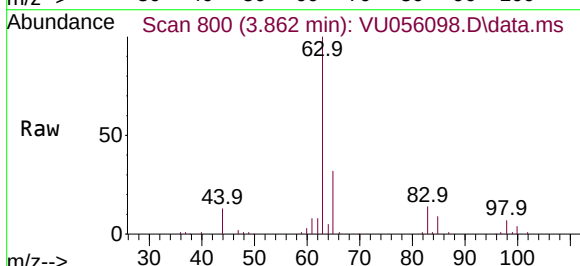
Tgt Ion: 63 Resp: 98847

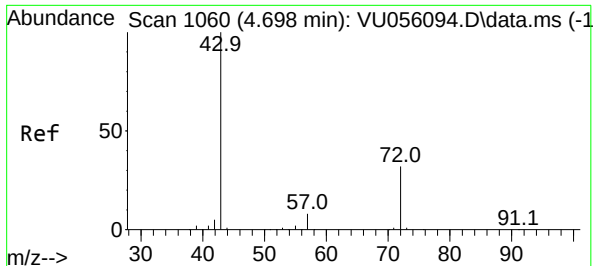
Ion Ratio Lower Upper

63 100

65 32.3 20.6 38.2

83 13.7 9.6 17.8





#21

2-Butanone

Concen: 5.006 ug/L

RT: 4.811 min Scan# 1095

Delta R.T. 0.113 min

Lab File: VU056098.D

Acq: 07 Nov 2023 14:57

Instrument :

MSVOA_U

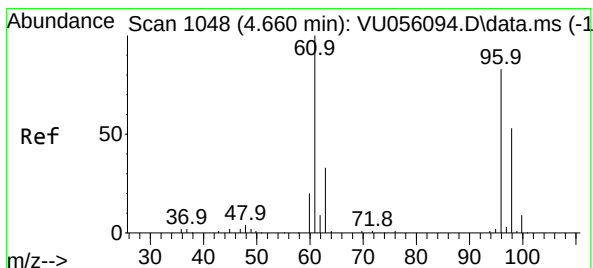
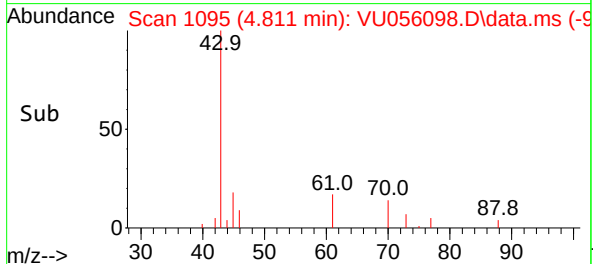
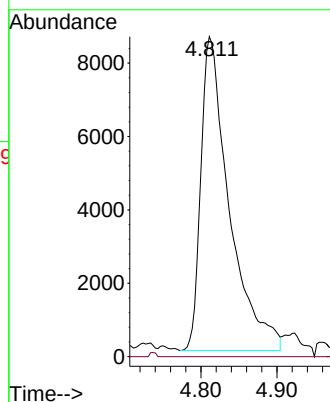
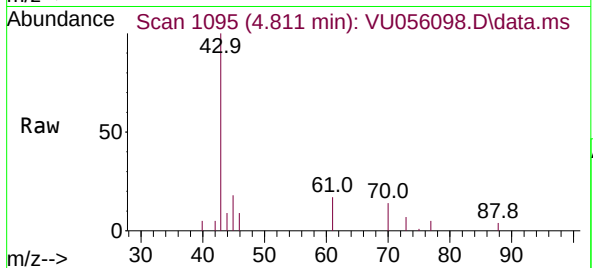
ClientSampleId :

Tgt Ion: 43 Resp: 22202

Ion Ratio Lower Upper

43 100

72 0.3 15.7 47.0#



#22

cis-1,2-Dichloroethene

Concen: 0.120 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU056098.D

Acq: 07 Nov 2023 14:57

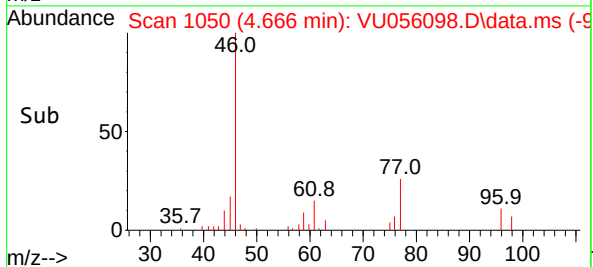
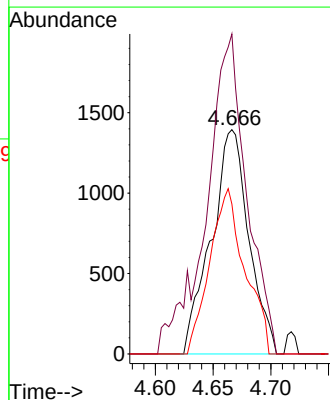
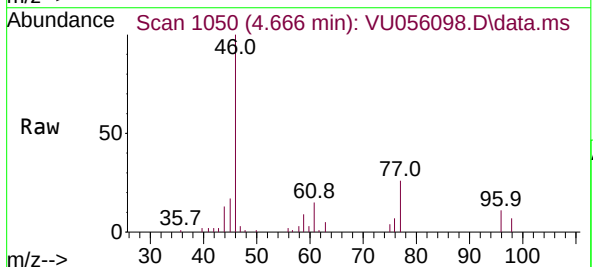
Tgt Ion: 96 Resp: 3164

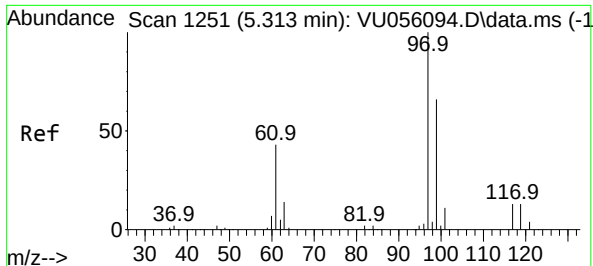
Ion Ratio Lower Upper

96 100

61 142.7 87.8 163.2

98 66.8 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 1.746 ug/L

RT: 5.309 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU056098.D

Acq: 07 Nov 2023 14:57

Instrument :

MSVOA_U

ClientSampleId :

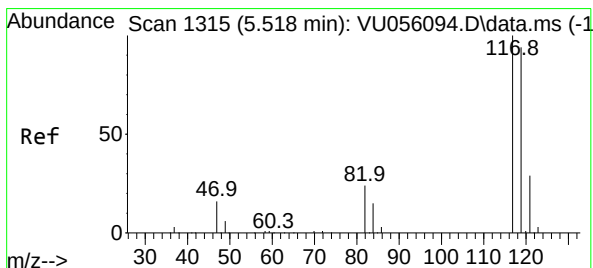
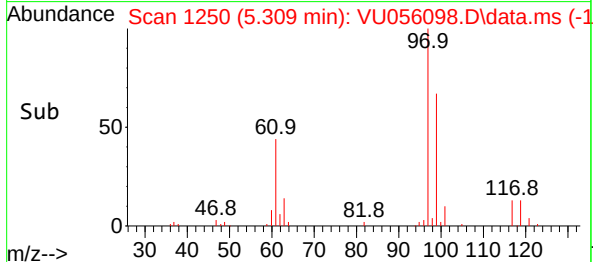
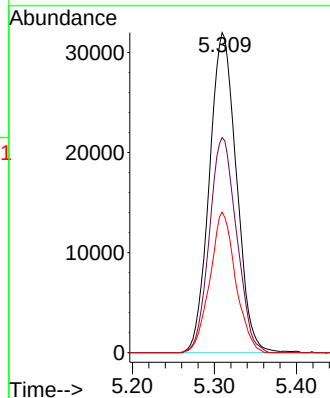
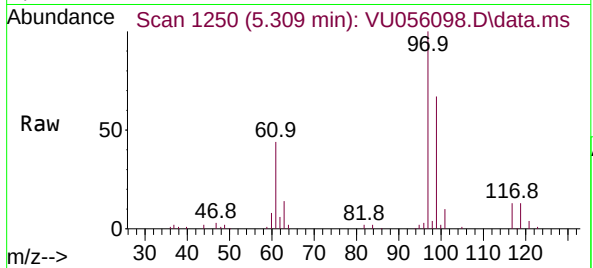
Tgt Ion: 97 Resp: 73331

Ion Ratio Lower Upper

97 100

99 67.6 52.0 78.0

61 41.8 33.4 50.0



#31

Carbon tetrachloride

Concen: 0.254 ug/L

RT: 5.313 min Scan# 1251

Delta R.T. -0.206 min

Lab File: VU056098.D

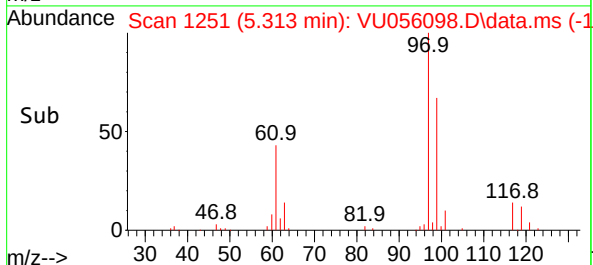
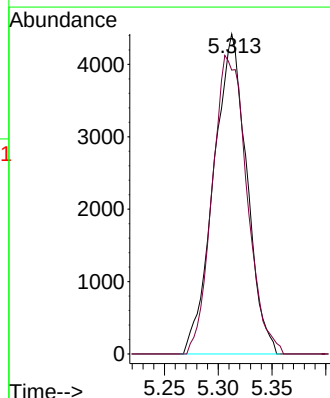
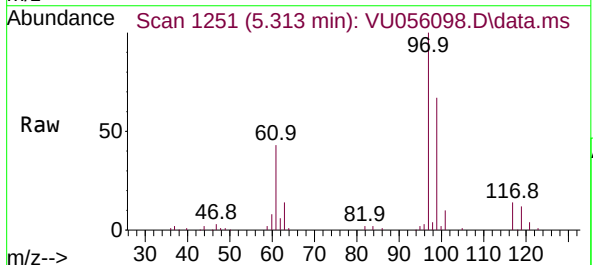
Acq: 07 Nov 2023 14:57

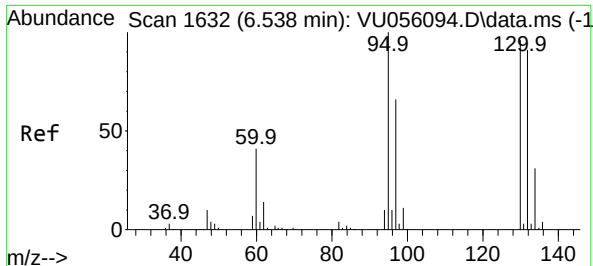
Tgt Ion:117 Resp: 9463

Ion Ratio Lower Upper

117 100

119 97.1 77.2 115.8

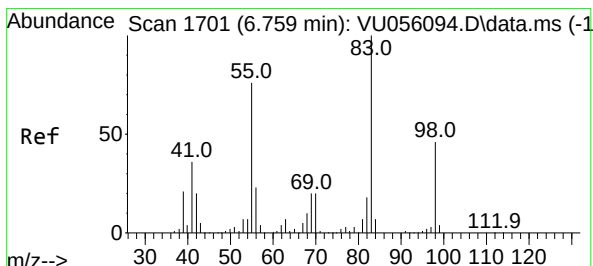
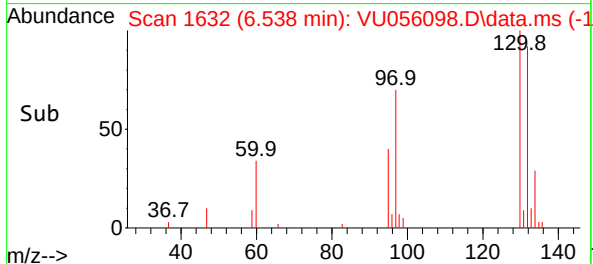
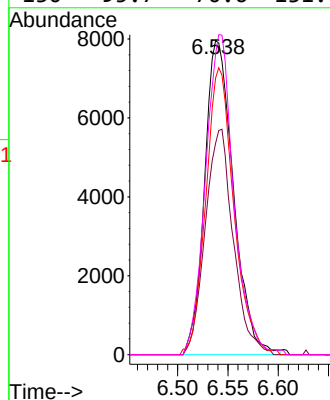
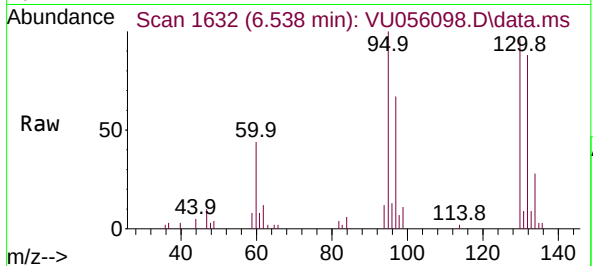




#34
Trichloroethene
Concen: 0.554 ug/L
RT: 6.538 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VU056098.D
Acq: 07 Nov 2023 14:57

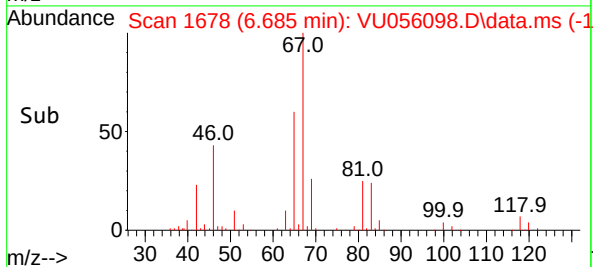
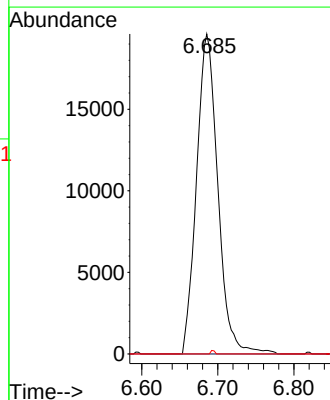
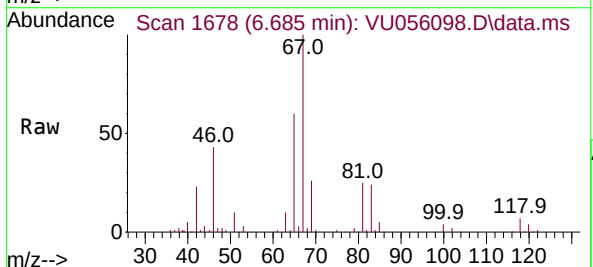
Instrument :
MSVOA_U
ClientSampleId :

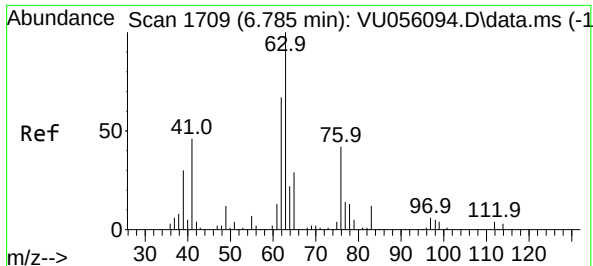
Tgt Ion: 95 Resp: 15881
Ion Ratio Lower Upper
95 100
97 67.3 46.8 87.0
132 88.1 66.5 123.5
130 95.7 70.6 131.0



#35
Methylcyclohexane
Concen: 0.896 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056098.D
Acq: 07 Nov 2023 14:57

Tgt Ion: 83 Resp: 38200
Ion Ratio Lower Upper
83 100
55 0.0 60.6 91.0#
98 0.2 36.2 54.4#

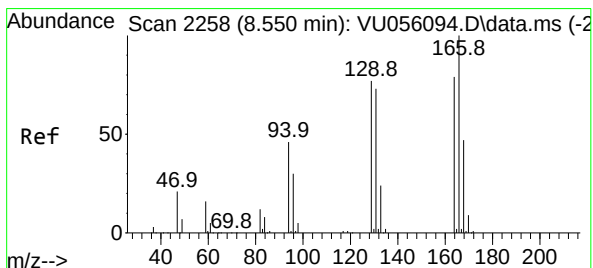
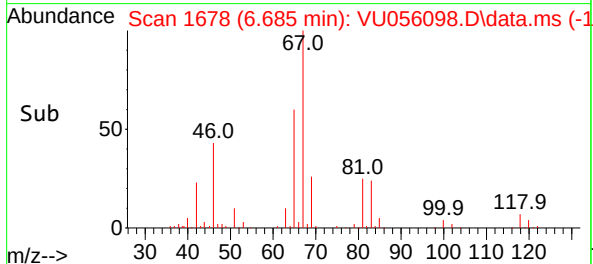
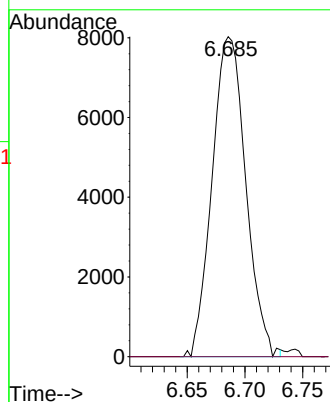
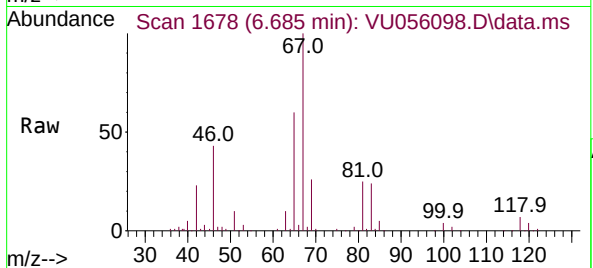




#37
1,2-Dichloropropane
Concen: 0.597 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056098.D
Acq: 07 Nov 2023 14:57

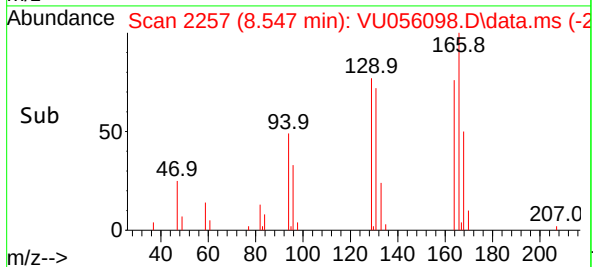
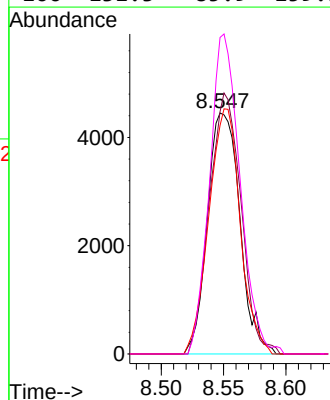
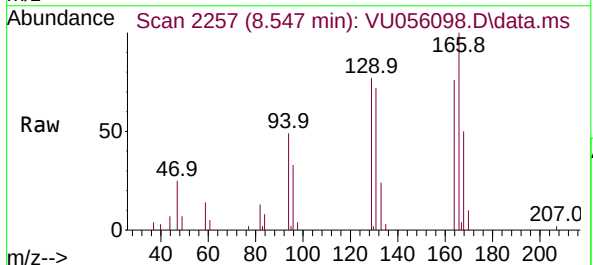
Instrument :
MSVOA_U
ClientSampleId :

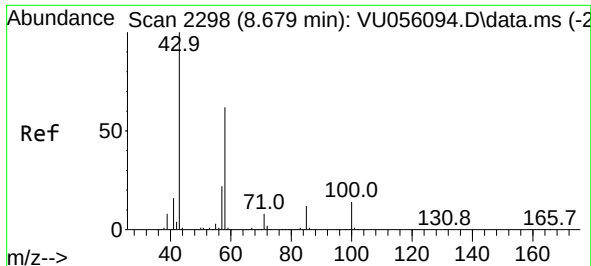
Tgt Ion: 63 Resp: 16289
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#47
Tetrachloroethene
Concen: 0.376 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056098.D
Acq: 07 Nov 2023 14:57

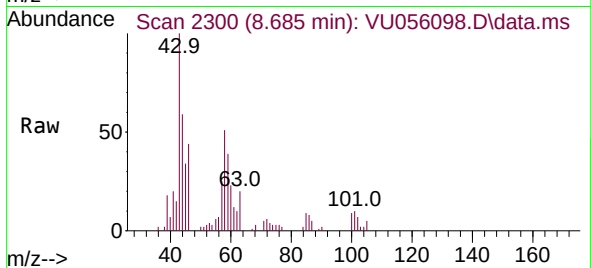
Tgt Ion:164 Resp: 8087
Ion Ratio Lower Upper
164 100
129 100.5 66.6 123.8
131 94.8 67.8 126.0
166 131.3 85.9 159.5



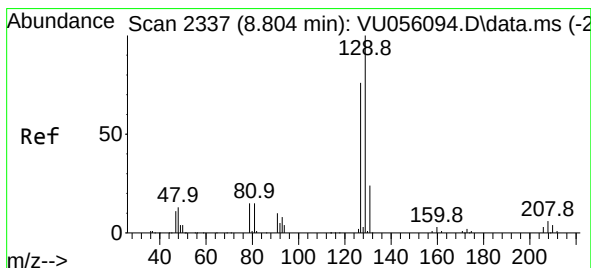
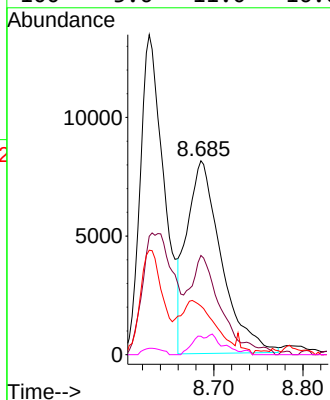
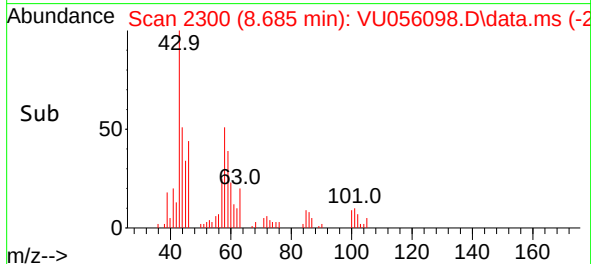


#48
2-Hexanone
Concen: 2.517 ug/L
RT: 8.685 min Scan# 21888
Delta R.T. 0.006 min
Lab File: VU056098.D
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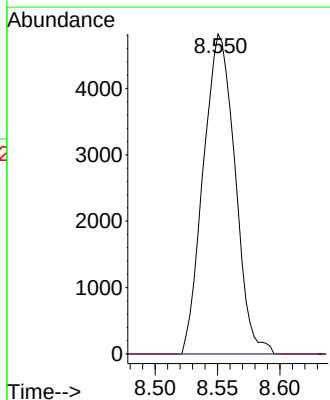
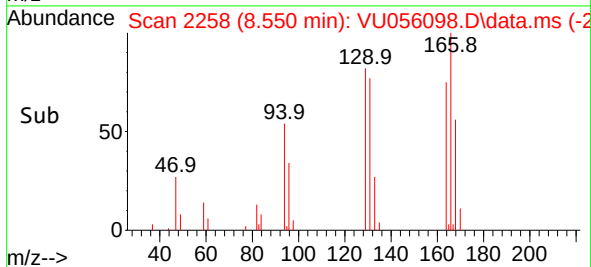
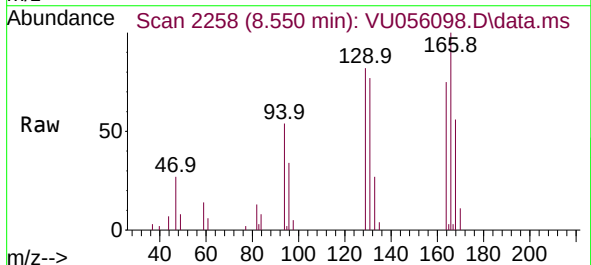


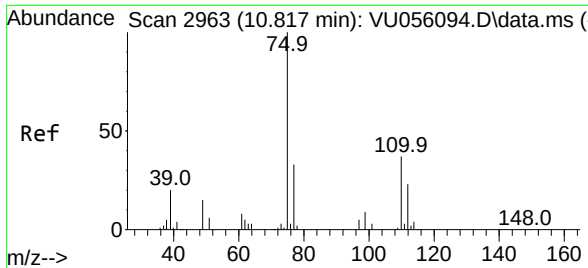
Tgt Ion: 43 Resp: 21888
Ion Ratio Lower Upper
43 100
58 45.8 52.0 78.0#
57 26.8 17.4 26.2#
100 3.6 11.0 16.6#



#49
Dibromochloromethane
Concen: 0.399 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU056098.D
Acq: 07 Nov 2023 14:57

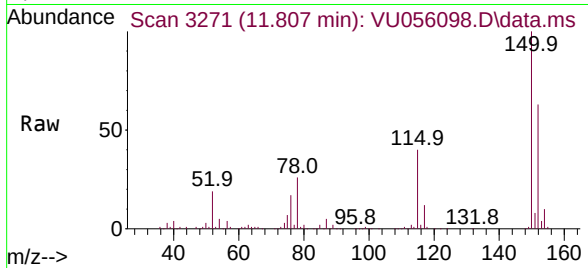
Tgt Ion: 129 Resp: 8537
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#61
1,2,3-Trichloropropane
Concen: 1.326 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU056098.D
Acq: 07 Nov 2023 14:57

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.0	29.7	44.5#
77	32.6	25.5	38.3

