

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056938.D
 Acq On : 16 Dec 2023 19:41
 Operator : MD/SY
 Sample : 05810-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 23:48:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

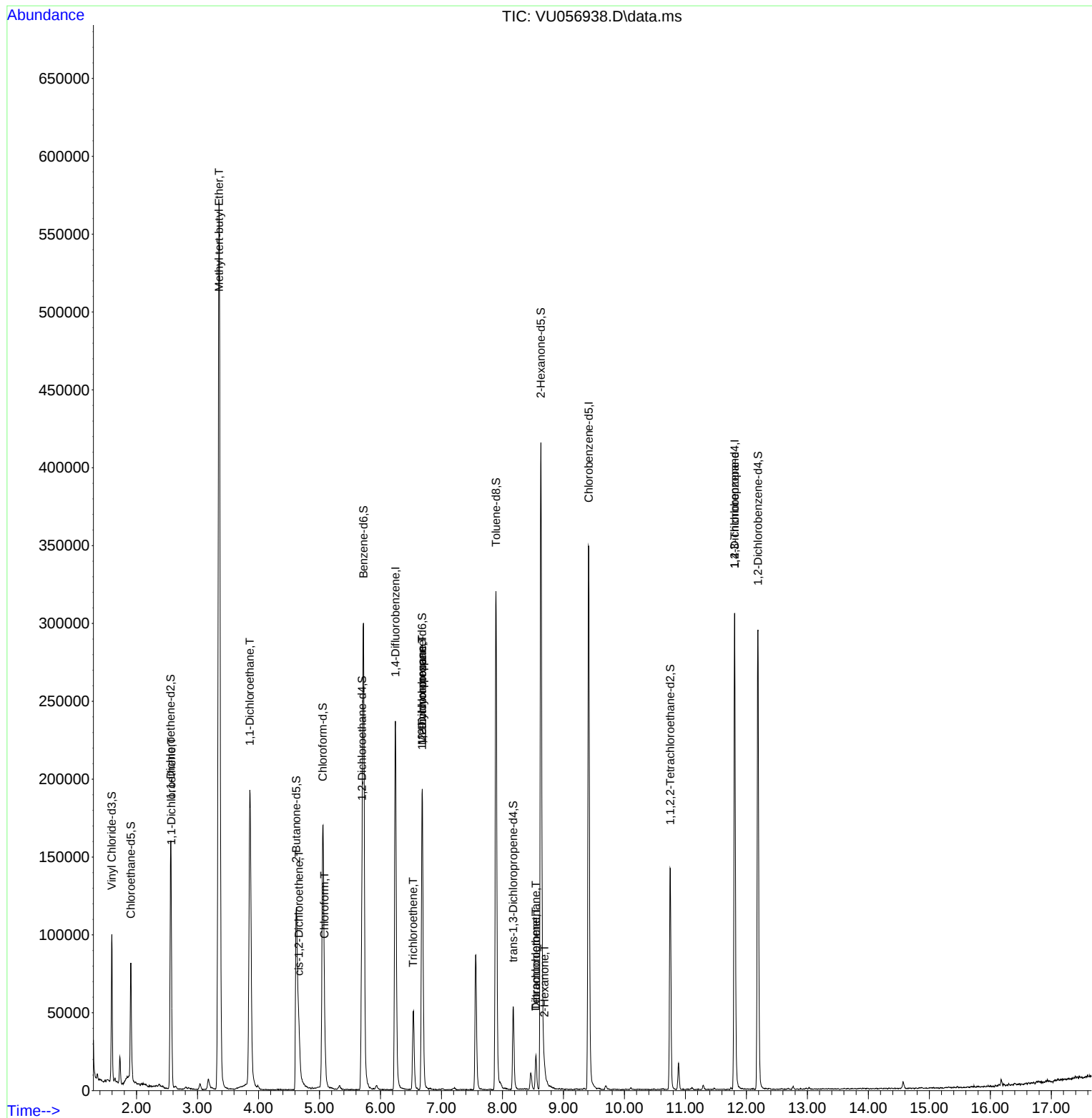
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	193439	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	204687	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	80363	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	66005	3.981	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.907	69	54552	4.397	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.560	65	29480	4.155	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.621	46	186870	57.068	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.140%
24) Chloroform-d	5.055	84	157850	5.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.698	65	79638	5.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	5.721	84	287380	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.685	67	94183	4.740	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.894	98	225198	3.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	8.177	79	31763	4.122	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.631	63	139377	47.954	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.900%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	74027	5.149	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	78314	4.957	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.200%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.570	96	4246	0.270	ug/L #	1
17) Methyl tert-butyl Ether	3.354	73	638297	18.330	ug/L	99
19) 1,1-Dichloroethane	3.859	63	218739	7.142	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	10160	0.587	ug/L	96
25) Chloroform	5.081	83	24266	0.756	ug/L	96
34) Trichloroethene	6.537	95	18299	0.927	ug/L	92
35) Methylcyclohexane	6.685	83	23440	0.805	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	10180	0.553	ug/L #	88
47) Tetrachloroethene	8.550	164	4961	0.359	ug/L	92
48) 2-Hexanone	8.688	43	6516	1.047	ug/L #	78
49) Dibromochloromethane	8.550	129	5182	0.362	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	10131	1.174	ug/L #	68

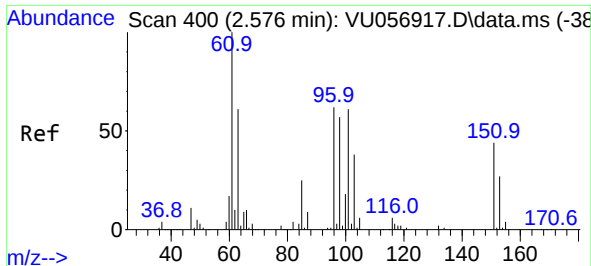
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.270 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.007 min

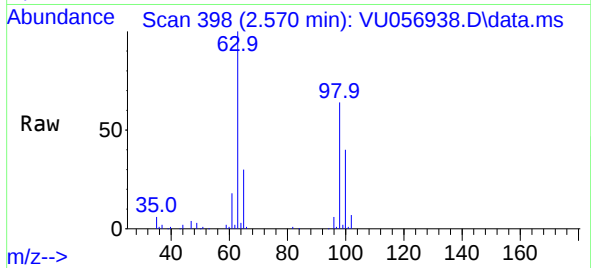
Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

Instrument :

MSVOA_U

ClientSampleId :



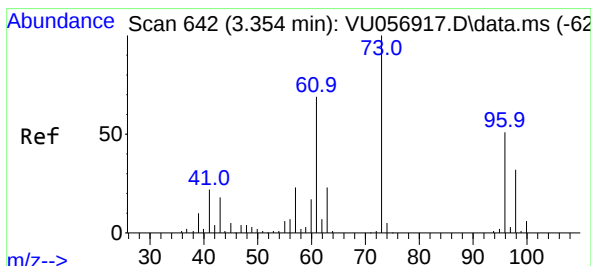
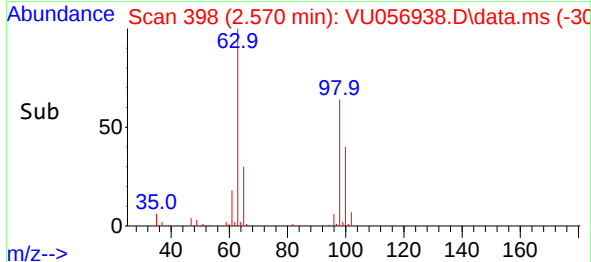
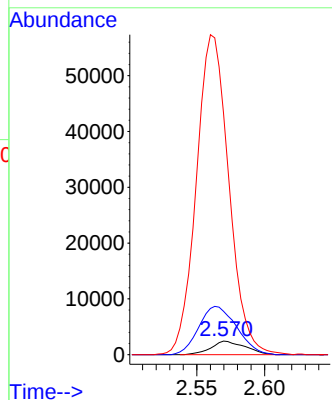
Tgt Ion: 96 Resp: 4246

Ion Ratio Lower Upper

96 100

61 317.4 119.0 221.0#

63 1763.6 88.7 164.7#



#17

Methyl tert-butyl Ether

Concen: 18.330 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

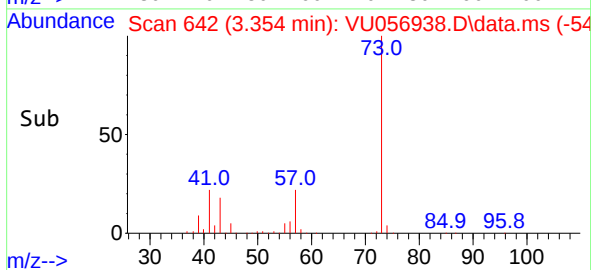
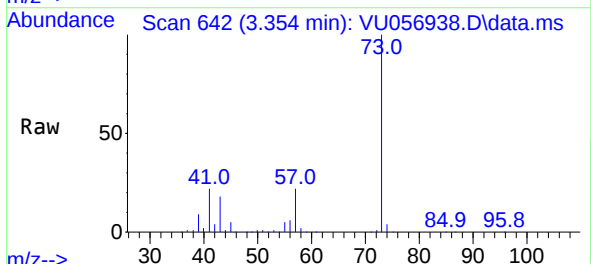
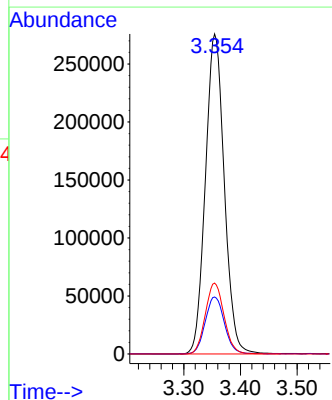
Tgt Ion: 73 Resp: 638297

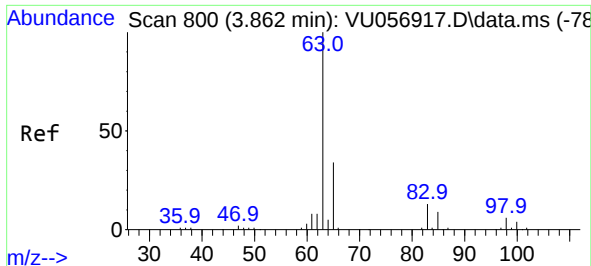
Ion Ratio Lower Upper

73 100

43 18.3 14.4 21.6

57 22.0 17.8 26.8





#19

1,1-Dichloroethane

Concen: 7.142 ug/L

RT: 3.859 min Scan# 79

Delta R.T. -0.003 min

Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

Instrument :

MSVOA_U

ClientSampleId :

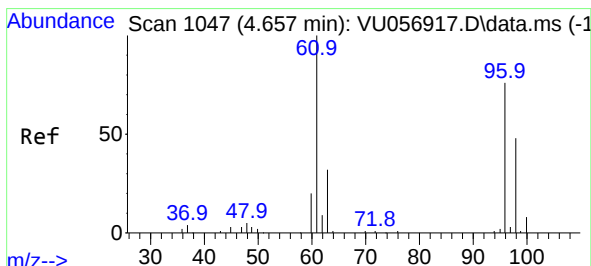
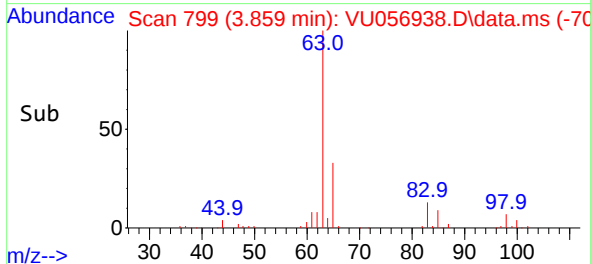
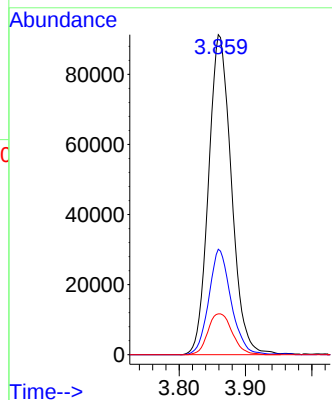
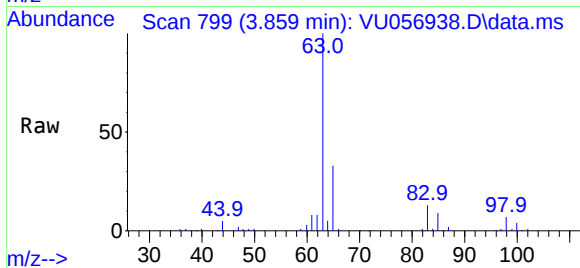
Tgt Ion: 63 Resp: 218739

Ion Ratio Lower Upper

63 100

65 32.9 22.9 42.5

83 12.8 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 0.587 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

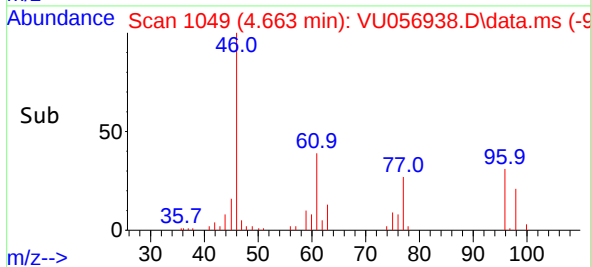
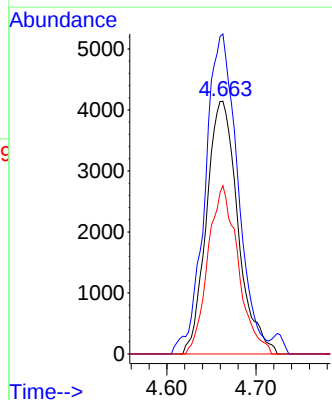
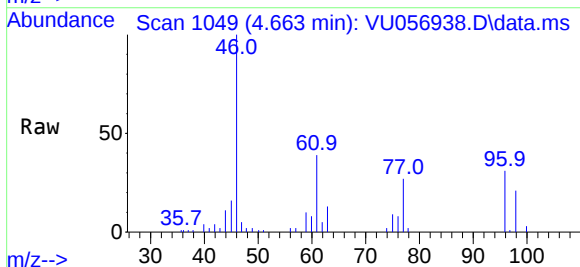
Tgt Ion: 96 Resp: 10160

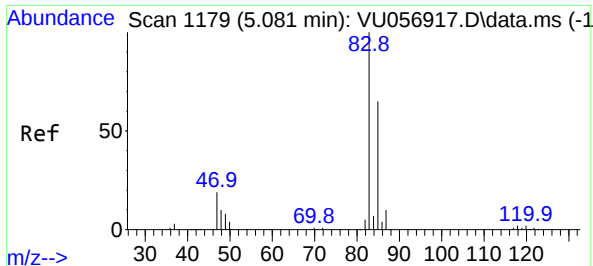
Ion Ratio Lower Upper

96 100

61 126.6 91.3 169.6

98 66.6 44.2 82.0

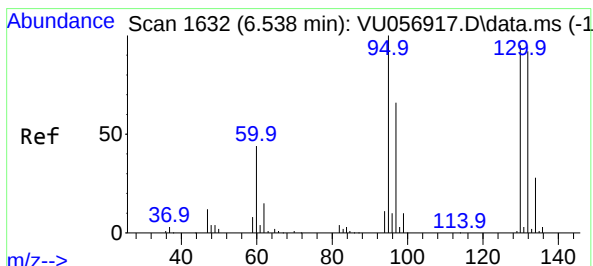
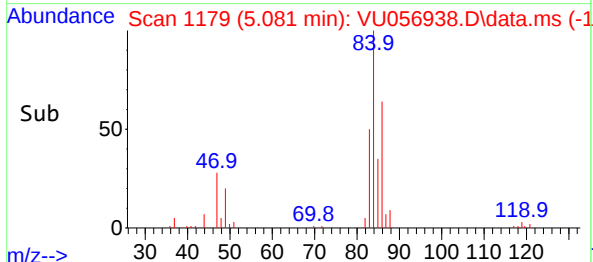
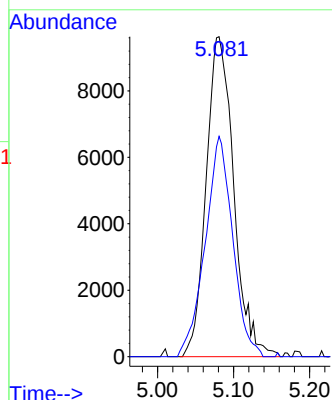
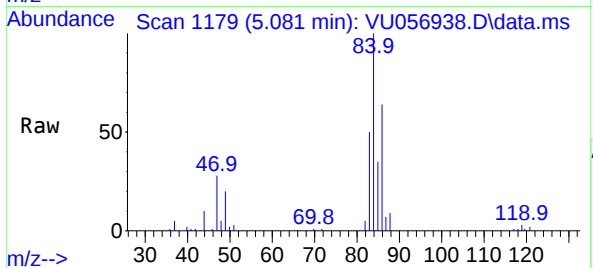




#25
Chloroform
Concen: 0.756 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU056938.D
Acq: 16 Dec 2023 19:41

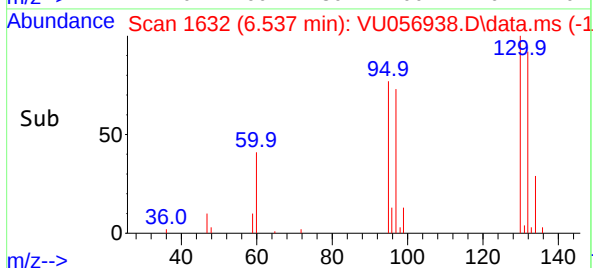
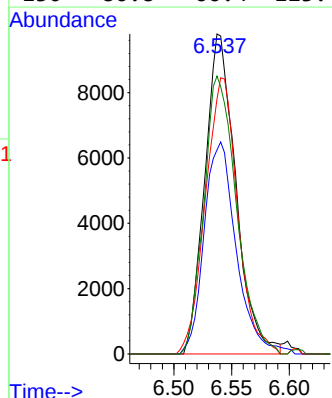
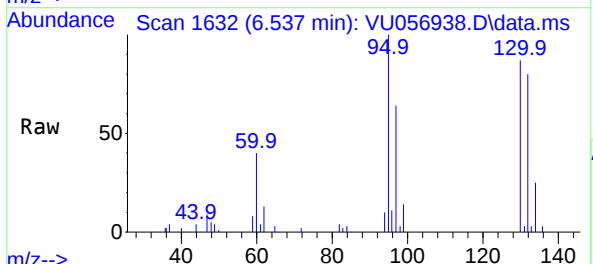
Instrument :
MSVOA_U
ClientSampleId :

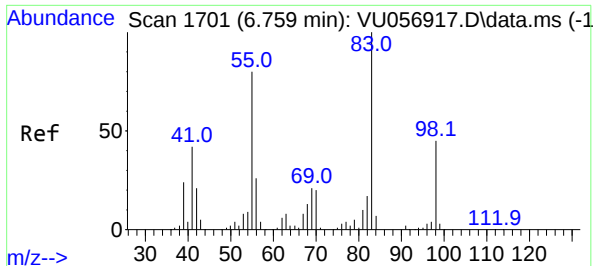
Tgt Ion: 83 Resp: 24266
Ion Ratio Lower Upper
83 100
85 68.9 45.8 85.0



#34
Trichloroethene
Concen: 0.927 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU056938.D
Acq: 16 Dec 2023 19:41

Tgt Ion: 95 Resp: 18299
Ion Ratio Lower Upper
95 100
97 63.8 46.1 85.5
132 79.7 63.6 118.0
130 86.8 66.4 123.4

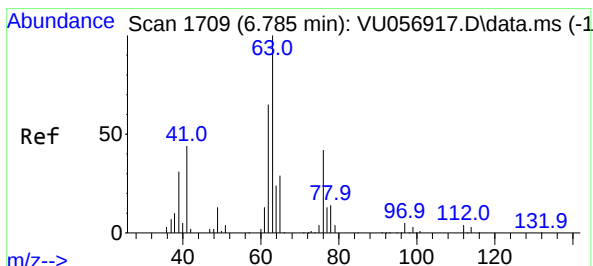
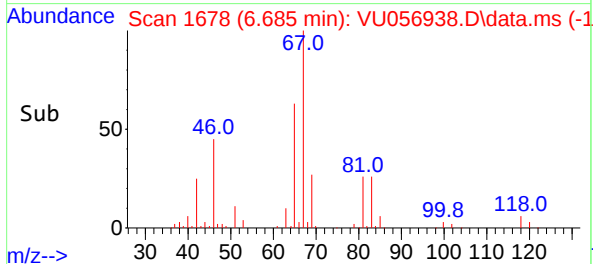
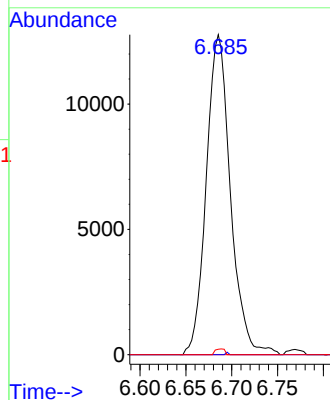
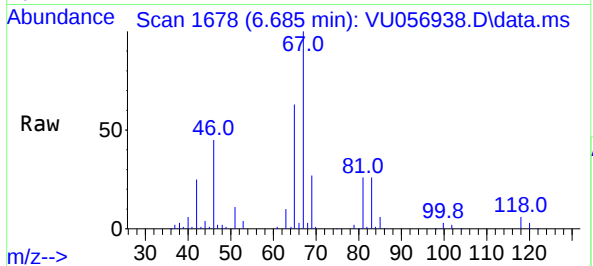




#35
Methylcyclohexane
Concen: 0.805 ug/L
RT: 6.685 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU056938.D
Acq: 16 Dec 2023 19:41

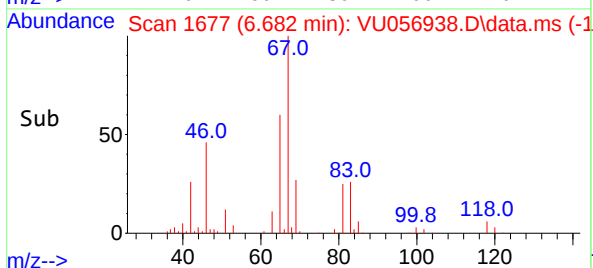
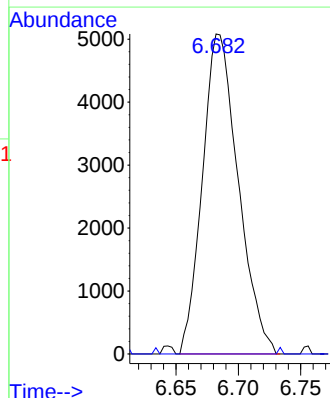
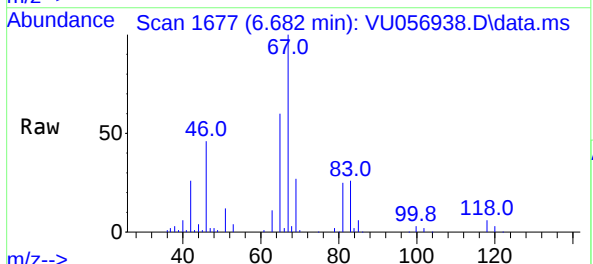
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MSVOA_U
ClientSampleId :

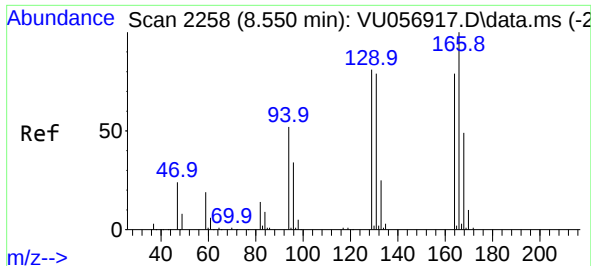
Tgt Ion: 83 Resp: 23440
Ion Ratio Lower Upper
83 100
55 0.1 64.6 97.0#
98 0.7 36.1 54.1#



#37
1,2-Dichloropropane
Concen: 0.553 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.103 min
Lab File: VU056938.D
Acq: 16 Dec 2023 19:41

Tgt Ion: 63 Resp: 10180
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#





#47

Tetrachloroethene

Concen: 0.359 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 4961

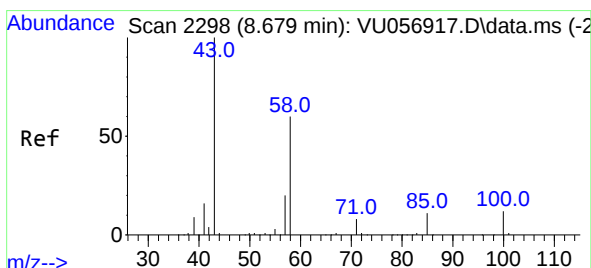
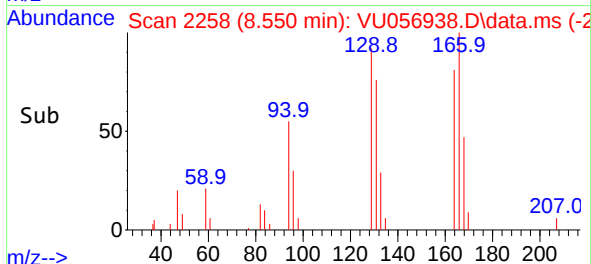
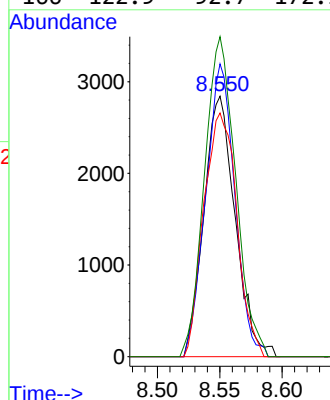
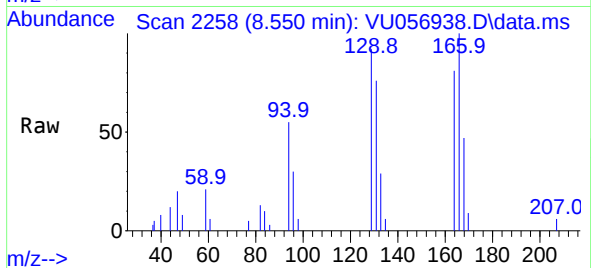
Ion Ratio Lower Upper

164 100

129 112.5 73.4 136.4

131 93.6 71.5 132.9

166 122.9 92.7 172.1



#48

2-Hexanone

Concen: 1.047 ug/L

RT: 8.688 min Scan# 2301

Delta R.T. 0.009 min

Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

Tgt Ion: 43 Resp: 6516

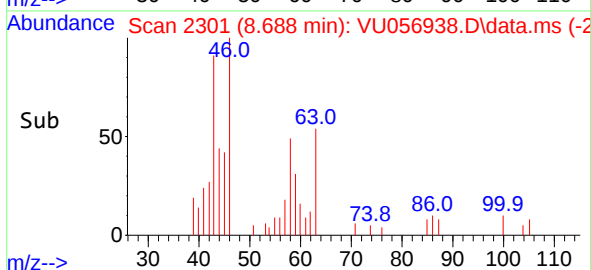
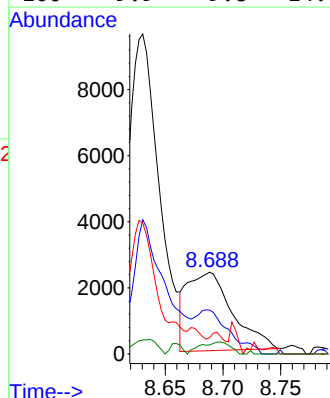
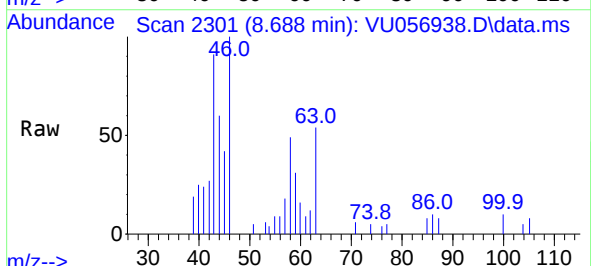
Ion Ratio Lower Upper

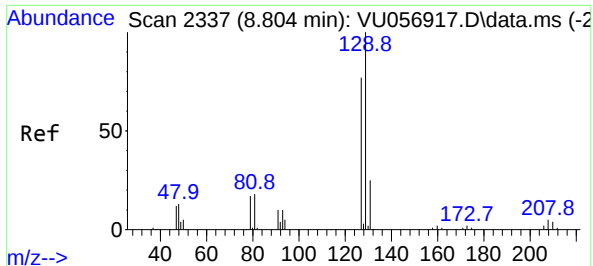
43 100

58 41.1 47.5 71.3#

57 9.1 17.0 25.4#

100 9.9 9.8 14.8





#49

Dibromochloromethane

Concen: 0.362 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

Instrument :

MSVOA_U

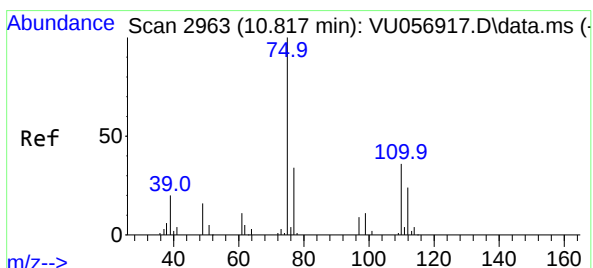
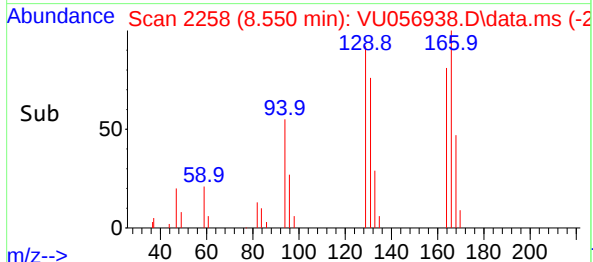
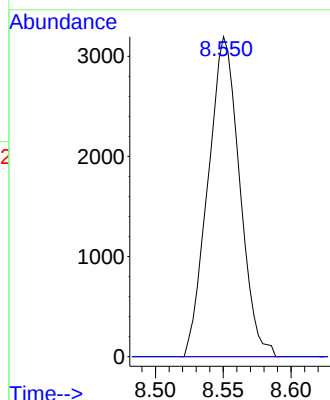
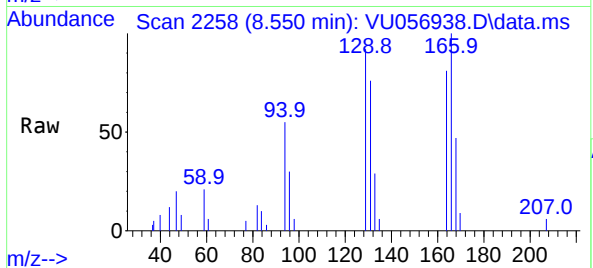
ClientSampleId :

Tgt Ion:129 Resp: 5182

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.174 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU056938.D

Acq: 16 Dec 2023 19:41

Tgt Ion: 75 Resp: 10131

Ion Ratio Lower Upper

75 100

110 2.5 28.4 42.6#

77 29.7 26.3 39.5

