

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110823\
 Data File : VU056115.D
 Acq On : 08 Nov 2023 11:37
 Operator : MD/SY
 Sample : 05281-04RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 20:50:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 20:49:31 2023
 Response via : Initial Calibration

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

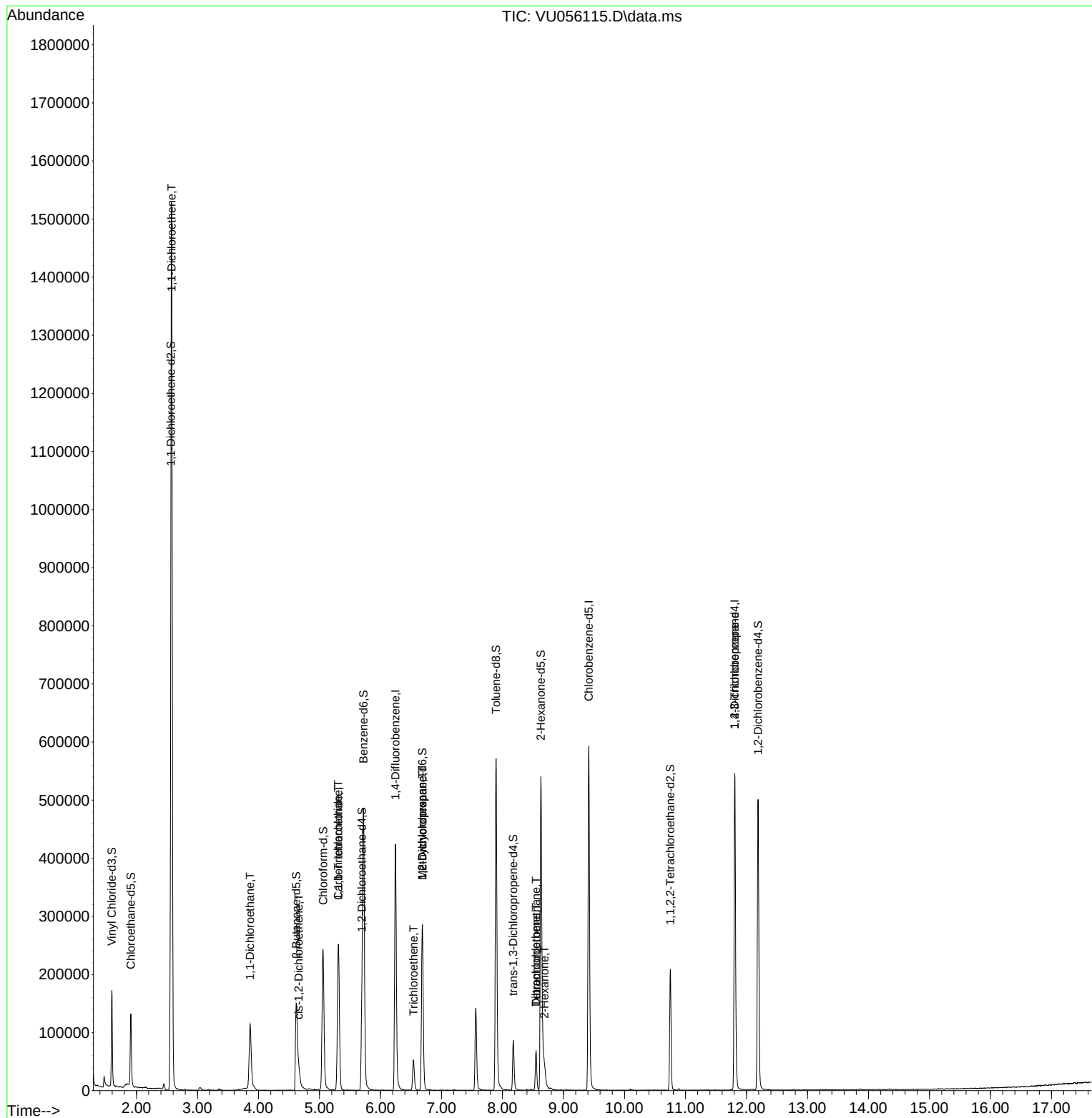
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	362500	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	355635	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	155562	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	118851	5.282	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 105.600%		
7) Chloroethane-d5	1.907	69	98603	6.458	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 129.200%		
11) 1,1-Dichloroethene-d2	2.563	65	53294	5.376	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.600%		
20) 2-Butanone-d5	4.618	46	241179	65.337	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 130.680%#		
24) Chloroform-d	5.058	84	238337	5.565	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 111.200%		
26) 1,2-Dichloroethane-d4	5.695	65	113861	6.037	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 120.800%		
32) Benzene-d6	5.721	84	484707	5.675	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 113.400%		
36) 1,2-Dichloropropane-d6	6.685	67	145228	5.776	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 115.600%		
41) Toluene-d8	7.894	98	411839	5.262	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 105.200%		
43) trans-1,3-Dichloroprop...	8.177	79	53988	5.617	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 112.400%		
46) 2-Hexanone-d5	8.627	63	184310	58.510	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 117.020%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	104285	5.811	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 116.200%		
66) 1,2-Dichlorobenzene-d4	12.190	152	145365	6.060	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 121.200%#		
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	2.576	96	498604	21.401	ug/L #	83
19) 1,1-Dichloroethane	3.862	63	127811	2.838	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	8505	0.319	ug/L	93
29) 1,1,1-Trichloroethane	5.309	97	189511	4.651	ug/L	99
31) Carbon tetrachloride	5.309	117	24784	0.685	ug/L	99
34) Trichloroethene	6.541	95	18748	0.674	ug/L	97
35) Methylcyclohexane	6.685	83	33501	0.810	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	15318	0.578	ug/L #	89
47) Tetrachloroethene	8.550	164	15338	0.735	ug/L	95
48) 2-Hexanone	8.688	43	23157	2.746	ug/L #	84
49) Dibromochloromethane	8.550	129	16063	0.773	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	18873	1.406	ug/L #	67

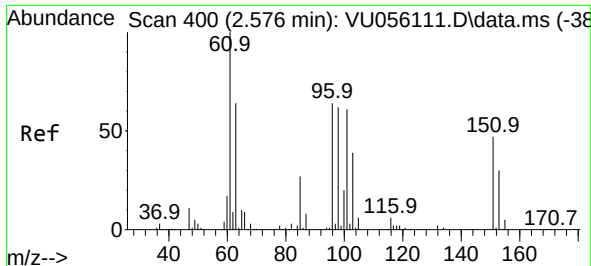
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 21.401 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Instrument :

MSVOA_U

ClientSampleId :

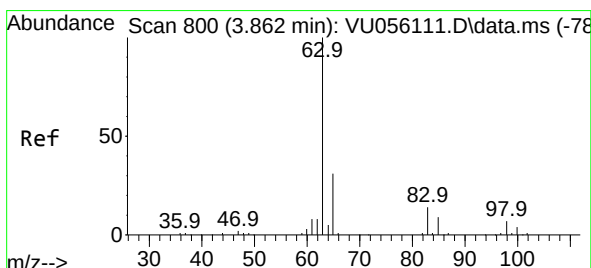
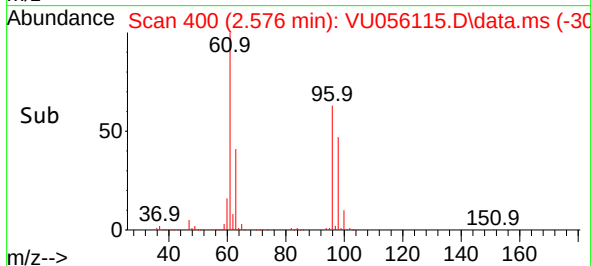
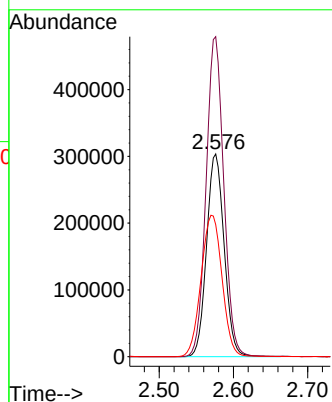
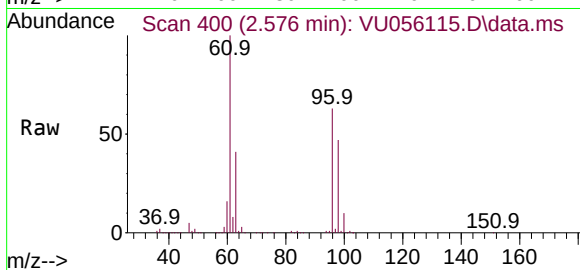
Tgt Ion: 96 Resp: 498604

Ion Ratio Lower Upper

96 100

61 157.9 111.7 207.5

63 65.1 74.5 138.3#



#19

1,1-Dichloroethane

Concen: 2.838 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

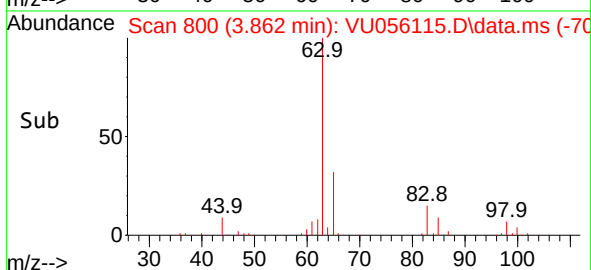
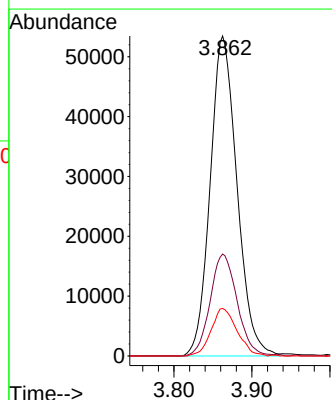
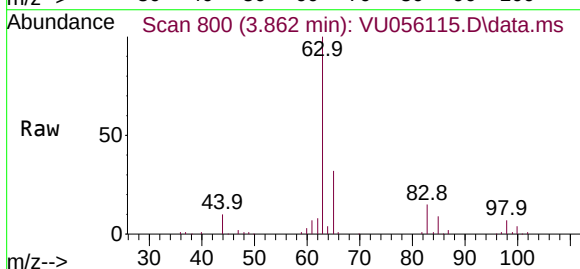
Tgt Ion: 63 Resp: 127811

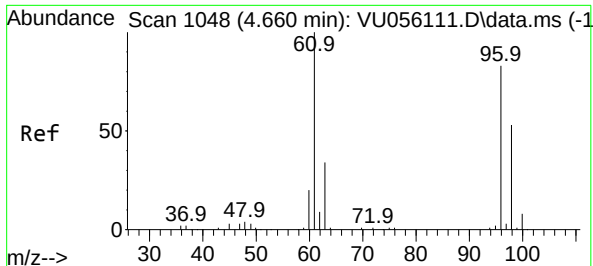
Ion Ratio Lower Upper

63 100

65 31.8 20.6 38.2

83 14.9 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 0.319 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Instrument :

MSVOA_U

ClientSampleId :

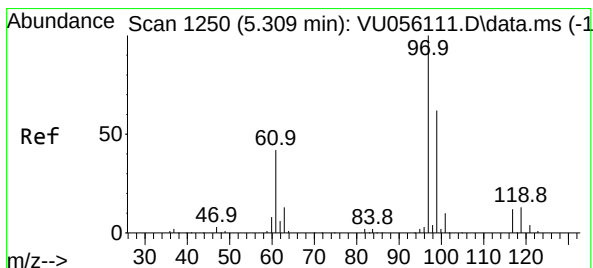
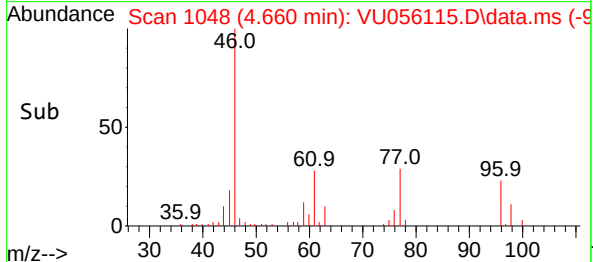
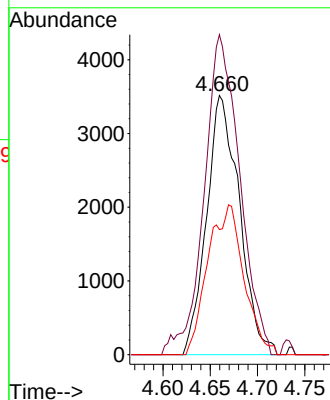
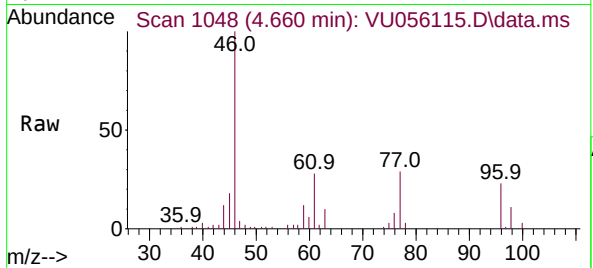
Tgt Ion: 96 Resp: 8505

Ion Ratio Lower Upper

96 100

61 123.5 87.8 163.2

98 48.3 43.5 80.7



#29

1,1,1-Trichloroethane

Concen: 4.651 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

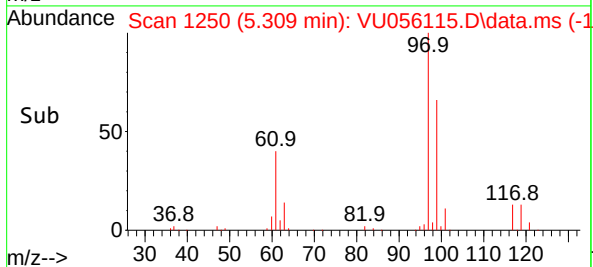
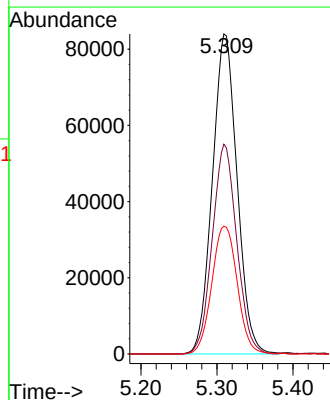
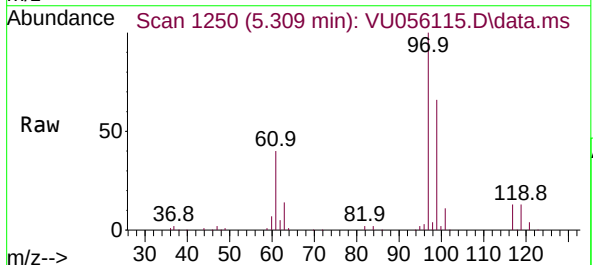
Tgt Ion: 97 Resp: 189511

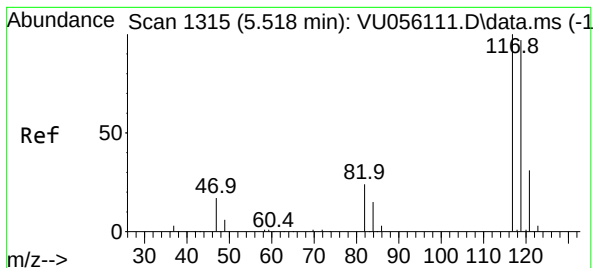
Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

61 41.1 33.4 50.0





#31

Carbon tetrachloride

Concen: 0.685 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.209 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Instrument :

MSVOA_U

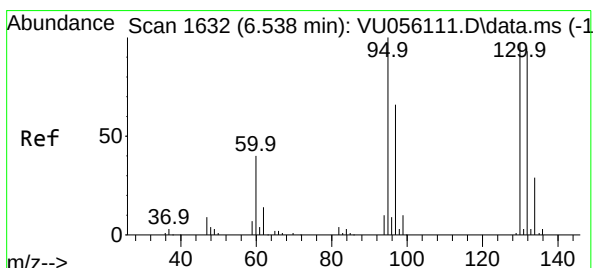
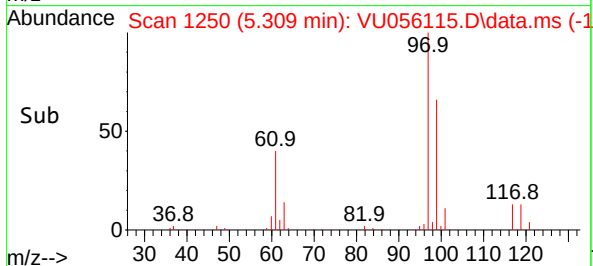
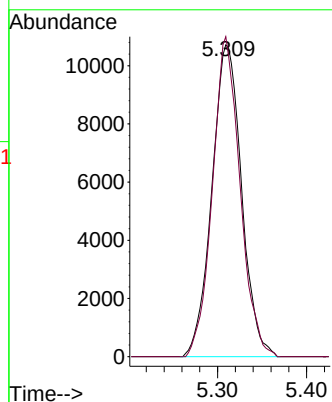
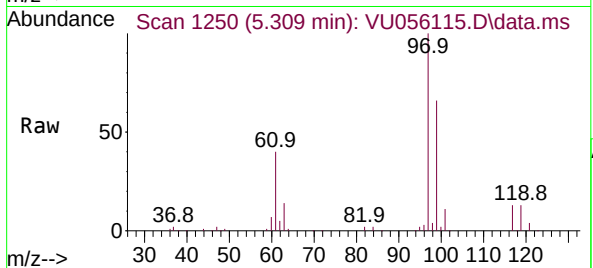
ClientSampleId :

Tgt Ion:117 Resp: 24784

Ion Ratio Lower Upper

117 100

119 95.4 77.2 115.8



#34

Trichloroethene

Concen: 0.674 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. 0.003 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Tgt Ion: 95 Resp: 18748

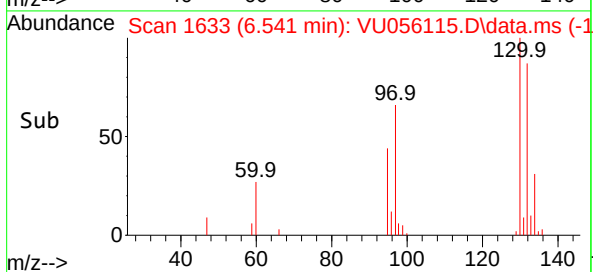
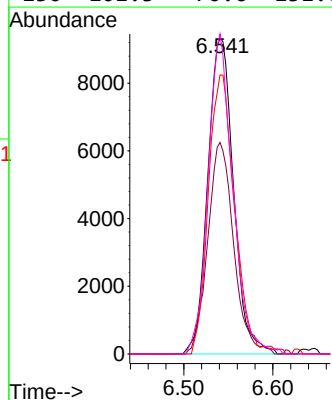
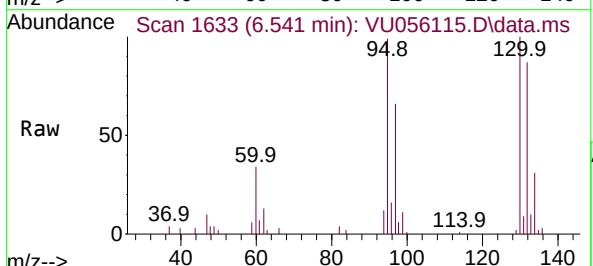
Ion Ratio Lower Upper

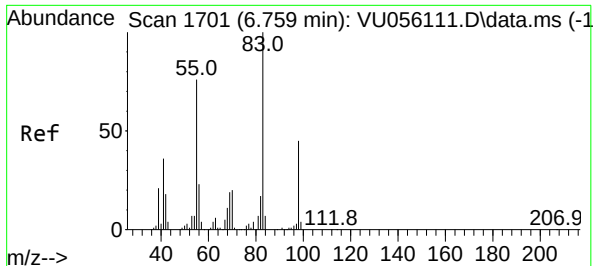
95 100

97 67.0 46.8 87.0

132 88.3 66.5 123.5

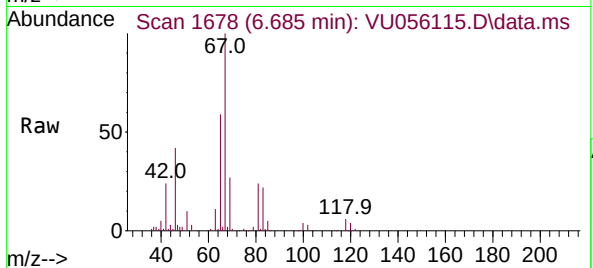
130 101.3 70.6 131.0



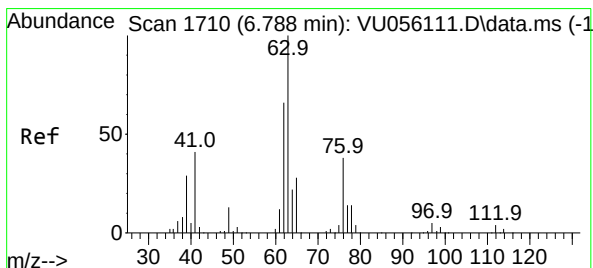
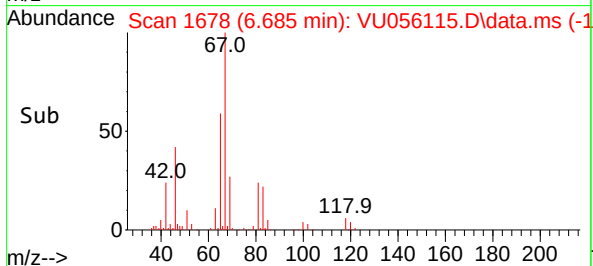
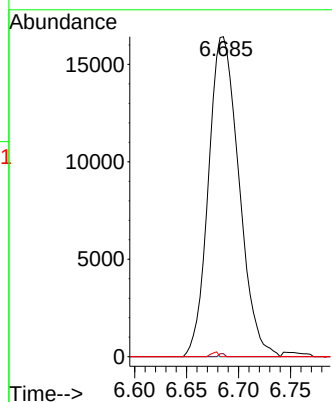


#35
Methylcyclohexane
Concen: 0.810 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056115.D
Acq: 08 Nov 2023 11:37

Instrument :
MSVOA_U
ClientSampleId :

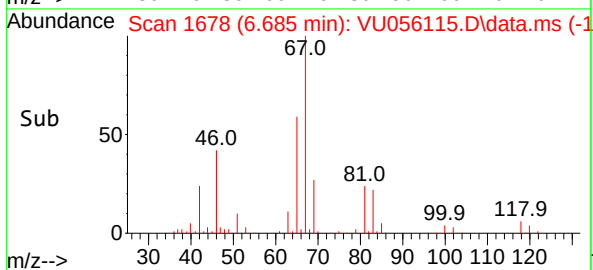
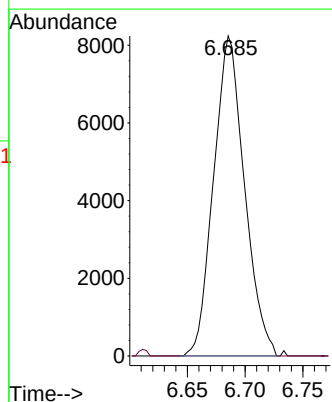
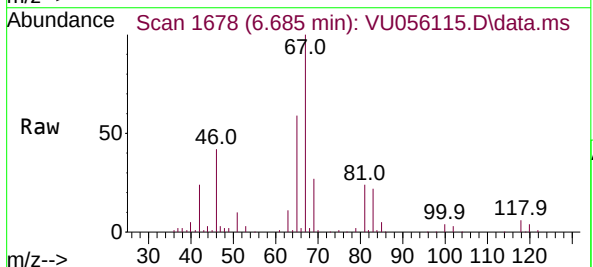


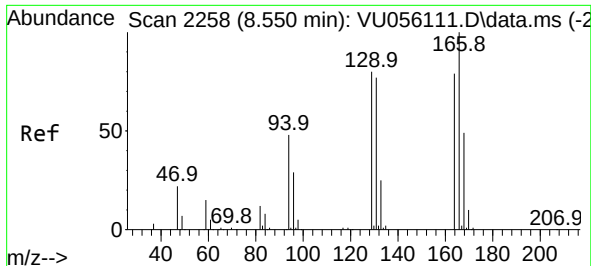
Tgt Ion: 83 Resp: 33501
Ion Ratio Lower Upper
83 100
55 0.2 60.6 91.0#
98 0.3 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.103 min
Lab File: VU056115.D
Acq: 08 Nov 2023 11:37

Tgt Ion: 63 Resp: 15318
Ion Ratio Lower Upper
63 100
112 0.5 3.4 5.2#





#47

Tetrachloroethene

Concen: 0.735 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

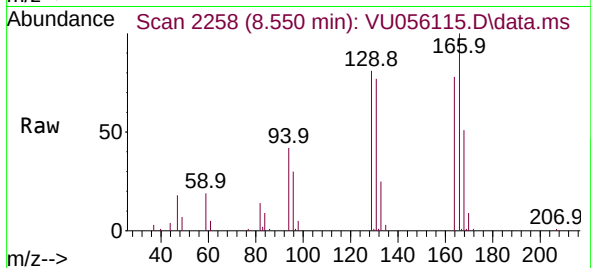
Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 15338

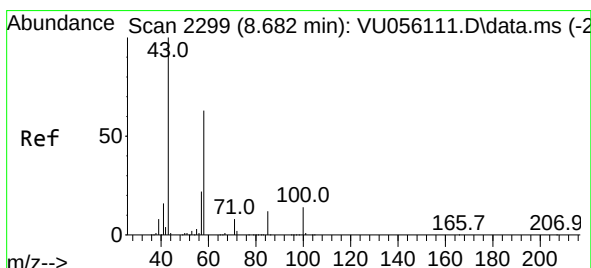
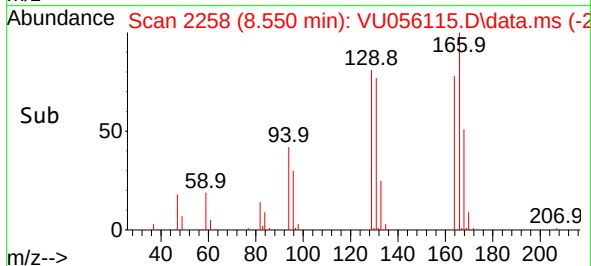
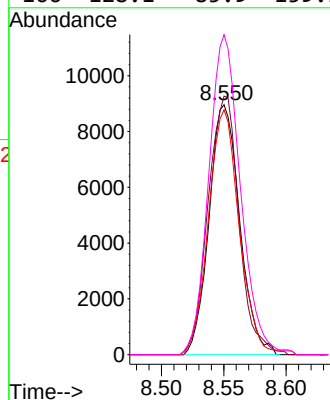
Ion Ratio Lower Upper

164 100

129 103.5 66.6 123.8

131 98.0 67.8 126.0

166 128.1 85.9 159.5



#48

2-Hexanone

Concen: 2.746 ug/L

RT: 8.688 min Scan# 2301

Delta R.T. 0.006 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Tgt Ion: 43 Resp: 23157

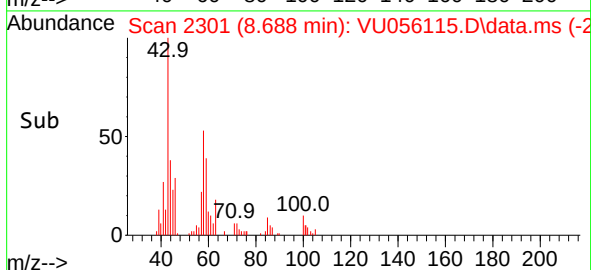
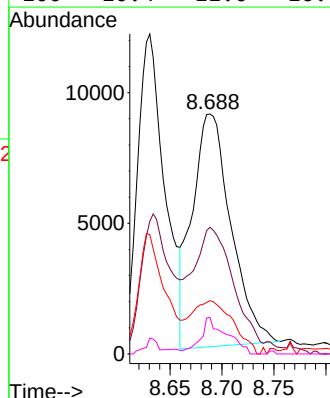
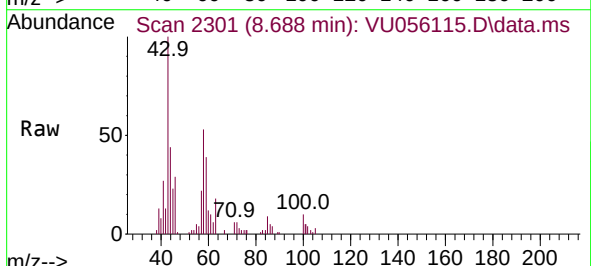
Ion Ratio Lower Upper

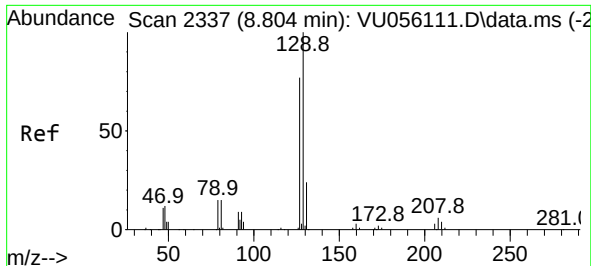
43 100

58 48.9 52.0 78.0#

57 24.4 17.4 26.2

100 10.4 11.0 16.6#





#49

Dibromochloromethane

Concen: 0.773 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Instrument :

MSVOA_U

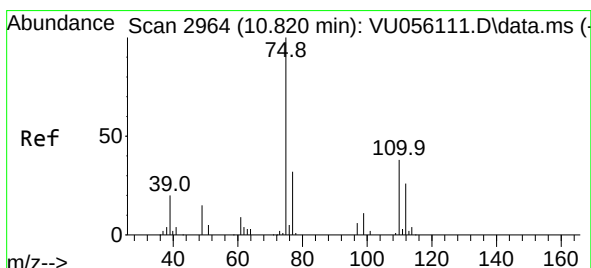
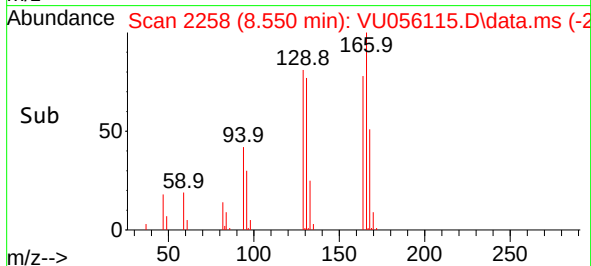
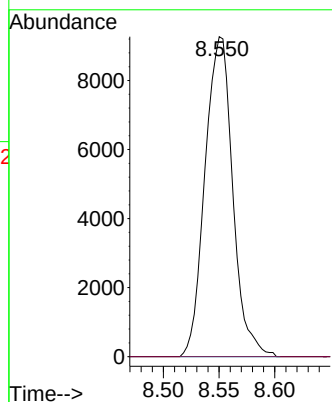
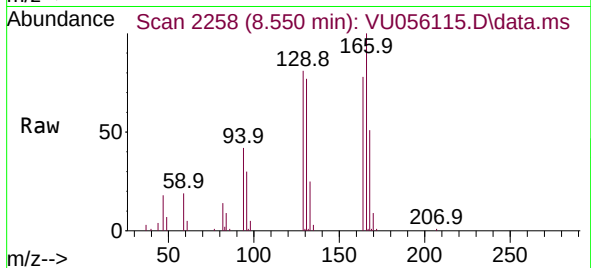
ClientSampleId :

Tgt Ion:129 Resp: 16063

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.406 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.987 min

Lab File: VU056115.D

Acq: 08 Nov 2023 11:37

Tgt Ion: 75 Resp: 18873

Ion Ratio Lower Upper

75 100

110 1.6 29.7 44.5#

77 31.2 25.5 38.3

