

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110723\
 Data File : VU056101.D
 Acq On : 07 Nov 2023 16:10
 Operator : MD/SY
 Sample : 05281-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 00:44:32 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

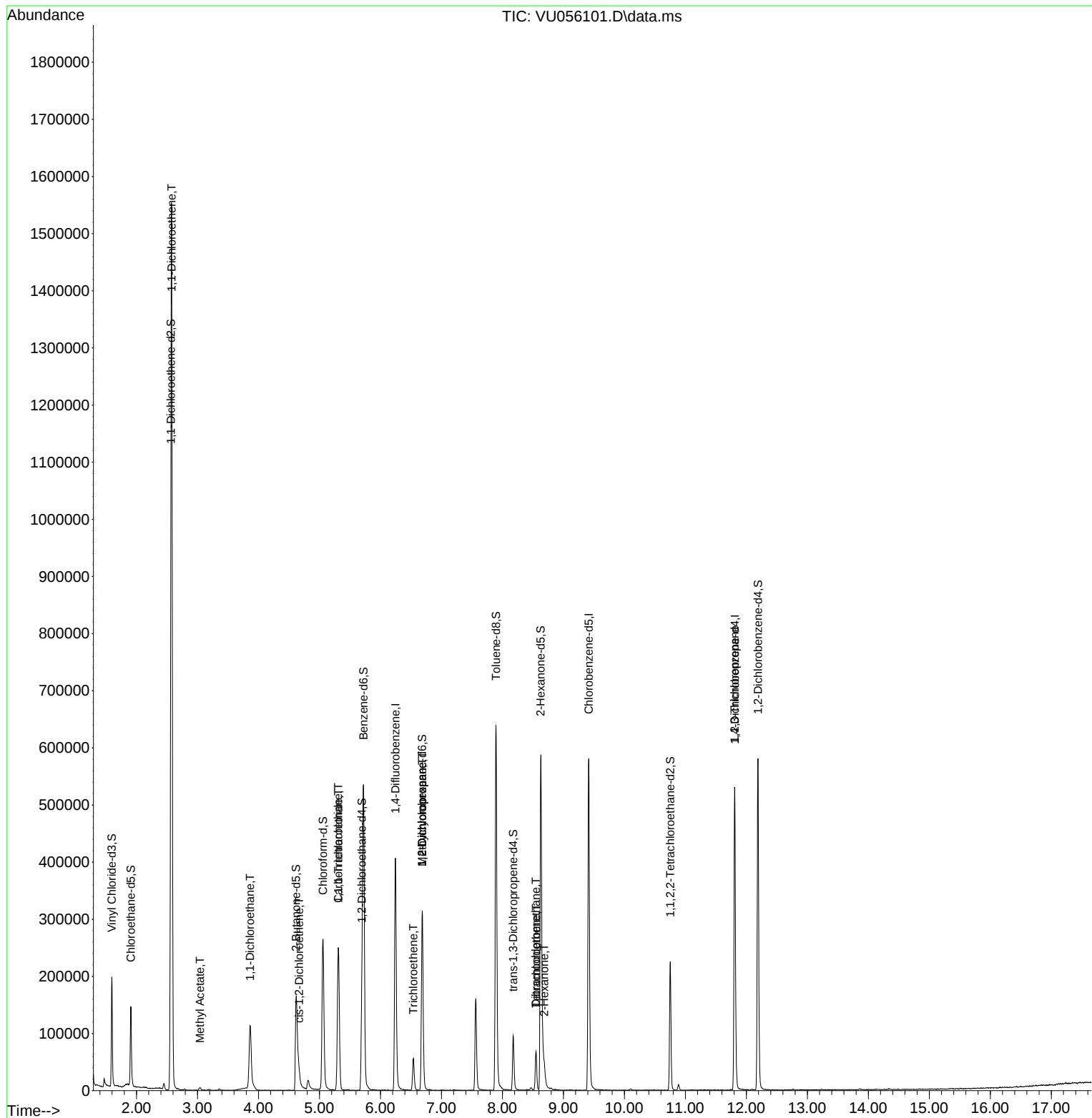
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	348596	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	351488	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	150624	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	139035	6.426	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 128.600%		
7) Chloroethane-d5	1.907	69	108844	7.413	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 148.200%#		
11) 1,1-Dichloroethene-d2	2.563	65	60746	6.372	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 127.400%#		
20) 2-Butanone-d5	4.618	46	252691	71.186	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 142.380%#		
24) Chloroform-d	5.058	84	252803	6.138	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 122.800%		
26) 1,2-Dichloroethane-d4	5.695	65	119044	6.564	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 131.200%#		
32) Benzene-d6	5.721	84	533173	6.316	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 126.400%#		
36) 1,2-Dichloropropane-d6	6.685	67	157613	6.343	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 126.800%		
41) Toluene-d8	7.894	98	464534	6.005	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 120.000%		
43) trans-1,3-Dichloroprop...	8.177	79	59462	6.260	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 125.200%		
46) 2-Hexanone-d5	8.627	63	206717	66.397	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 132.800%#		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	114990	6.483	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 129.600%#		
66) 1,2-Dichlorobenzene-d4	12.190	152	160333	6.903	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 138.000%#		
Target Compounds				Qvalue		
12) 1,1-Dichloroethene	2.576	96	502986	22.450	ug/L #	82
15) Methyl Acetate	3.039	43	1360	0.184	ug/L #	46
19) 1,1-Dichloroethane	3.862	63	129888	2.999	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	8903	0.347	ug/L	95
29) 1,1,1-Trichloroethane	5.309	97	190500	4.731	ug/L	100
31) Carbon tetrachloride	5.309	117	24518	0.686	ug/L	94
34) Trichloroethene	6.541	95	18805	0.684	ug/L	97
35) Methylcyclohexane	6.685	83	37782	0.925	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	16058	0.614	ug/L #	88
47) Tetrachloroethene	8.553	164	16511	0.800	ug/L	97
48) 2-Hexanone	8.685	43	19254	2.310	ug/L #	81
49) Dibromochloromethane	8.550	129	16226	0.790	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	17333	1.333	ug/L #	68

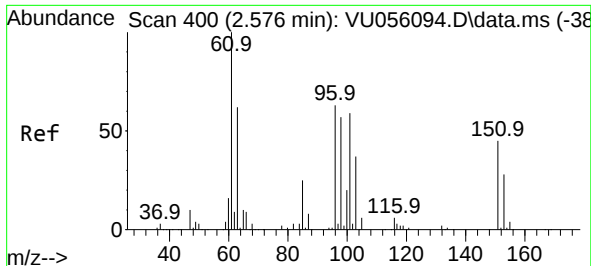
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 22.450 ug/L

RT: 2.576 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_U

ClientSampleId :

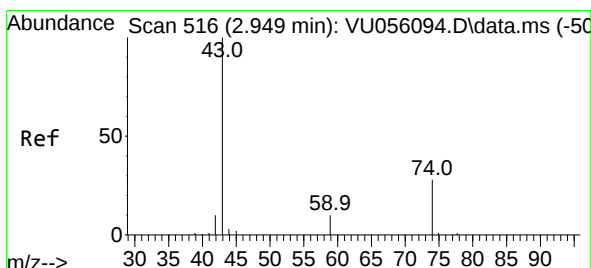
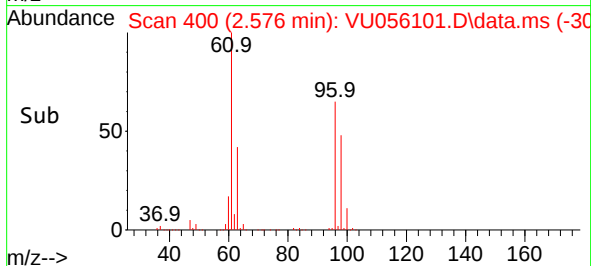
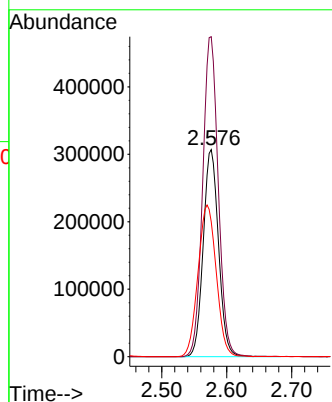
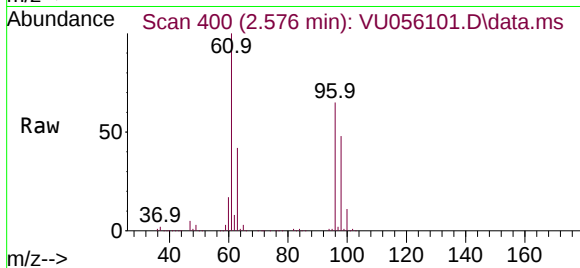
Tgt Ion: 96 Resp: 502986

Ion Ratio Lower Upper

96 100

61 154.6 111.7 207.5

63 65.2 74.5 138.3#



#15

Methyl Acetate

Concen: 0.184 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.090 min

Lab File: VU056101.D

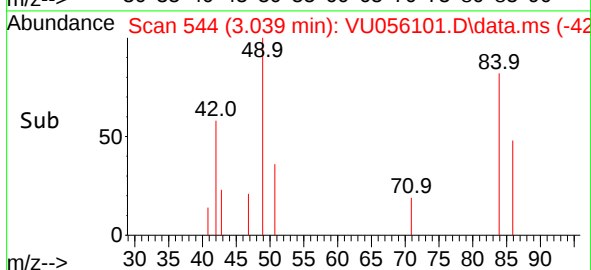
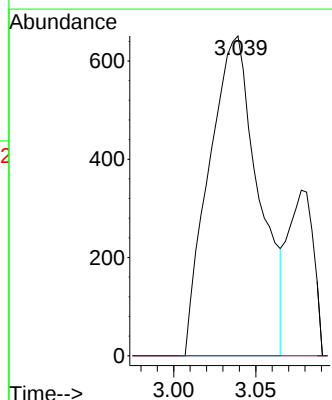
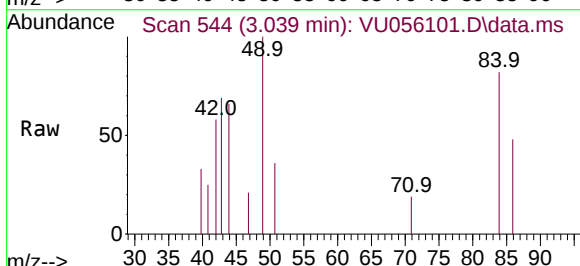
Acq: 07 Nov 2023 16:10

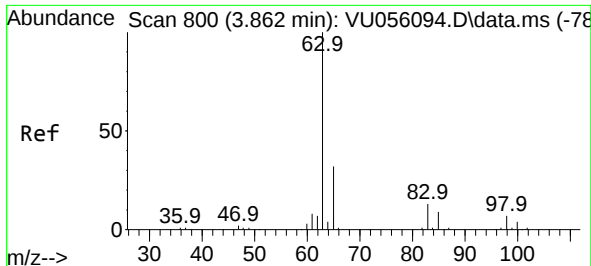
Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#





#19

1,1-Dichloroethane

Concen: 2.999 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_U

ClientSampleId :

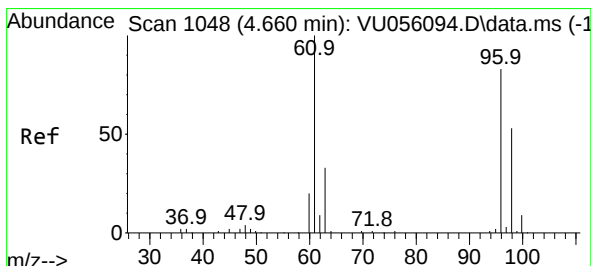
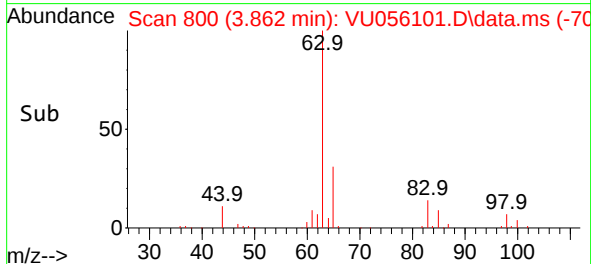
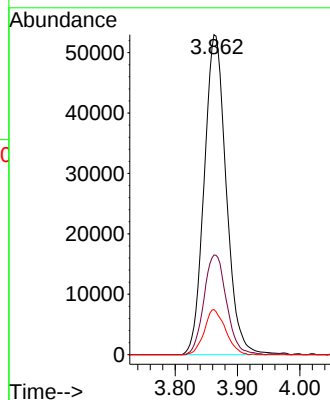
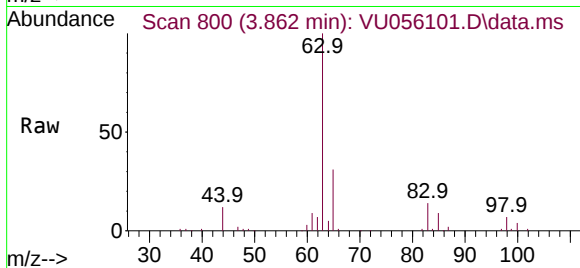
Tgt Ion: 63 Resp: 129888

Ion Ratio Lower Upper

63 100

65 31.2 20.6 38.2

83 14.1 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.347 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

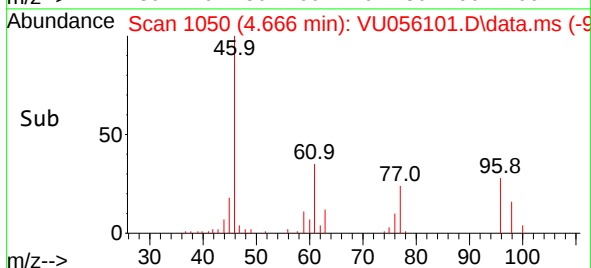
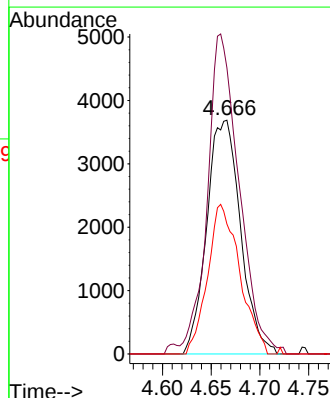
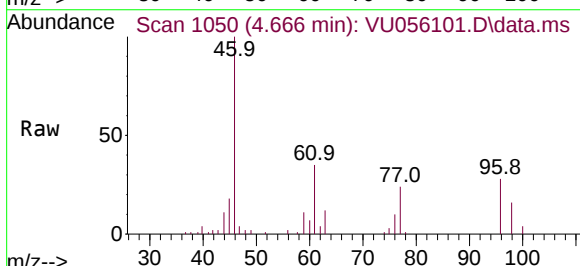
Tgt Ion: 96 Resp: 8903

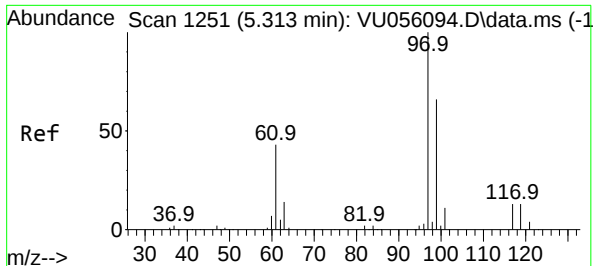
Ion Ratio Lower Upper

96 100

61 122.4 87.8 163.2

98 55.5 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 4.731 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_U

ClientSampleId :

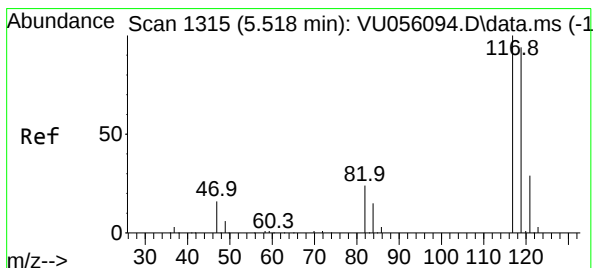
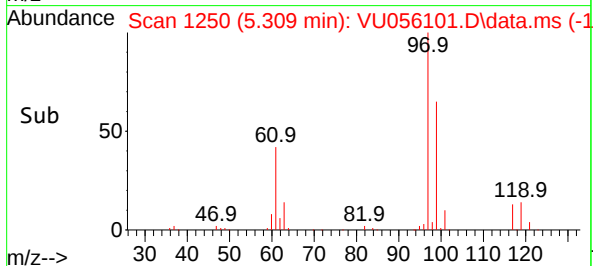
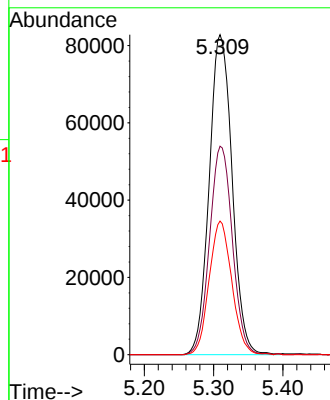
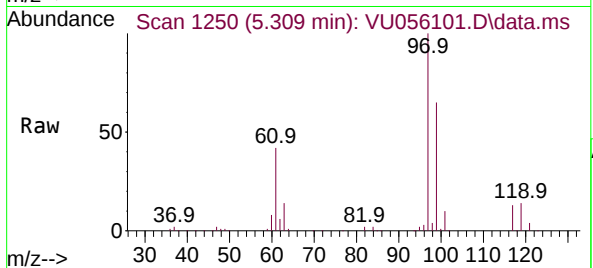
Tgt Ion: 97 Resp: 190500

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 41.1 33.4 50.0



#31

Carbon tetrachloride

Concen: 0.686 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.209 min

Lab File: VU056101.D

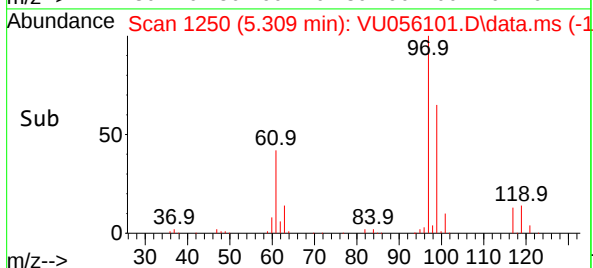
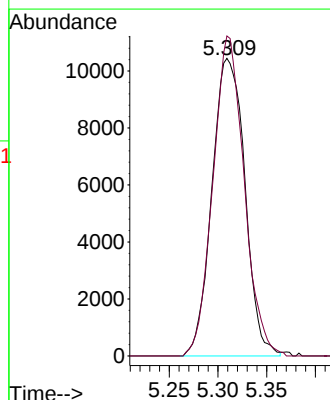
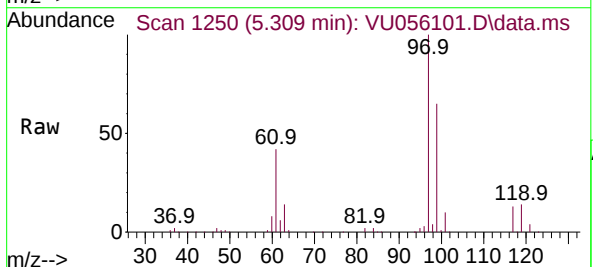
Acq: 07 Nov 2023 16:10

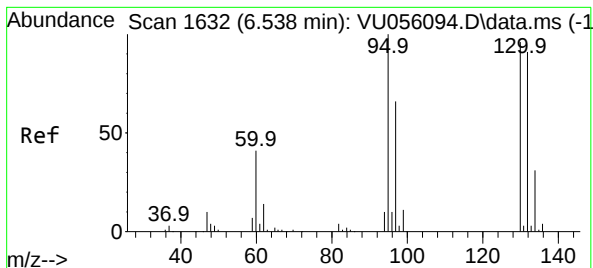
Tgt Ion:117 Resp: 24518

Ion Ratio Lower Upper

117 100

119 101.9 77.2 115.8





#34

Trichloroethene

Concen: 0.684 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 18805

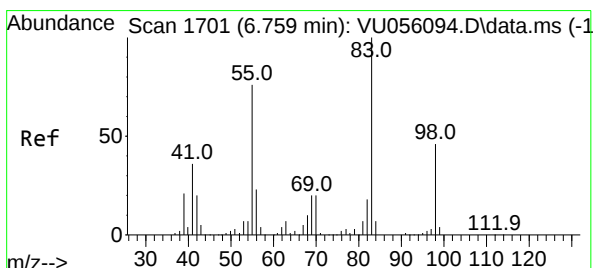
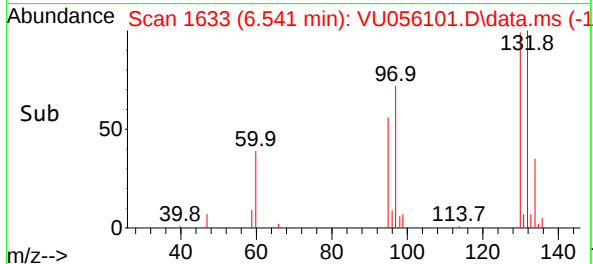
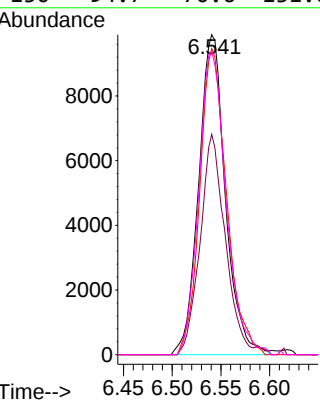
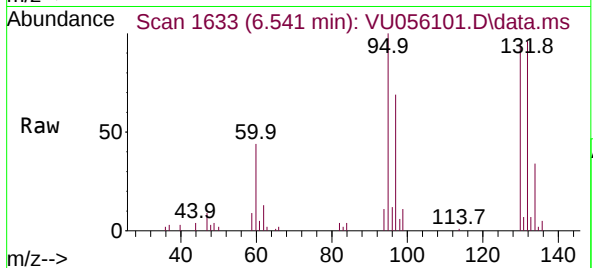
Ion Ratio Lower Upper

95 100

97 68.9 46.8 87.0

132 95.7 66.5 123.5

130 94.7 70.6 131.0



#35

Methylcyclohexane

Concen: 0.925 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

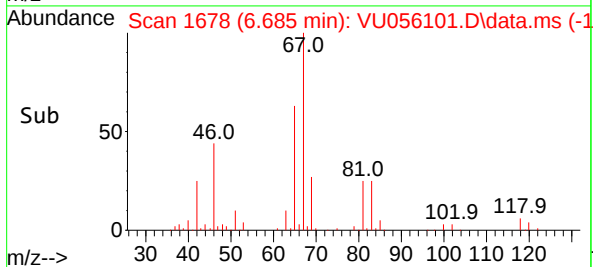
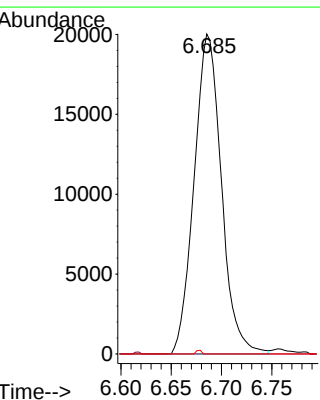
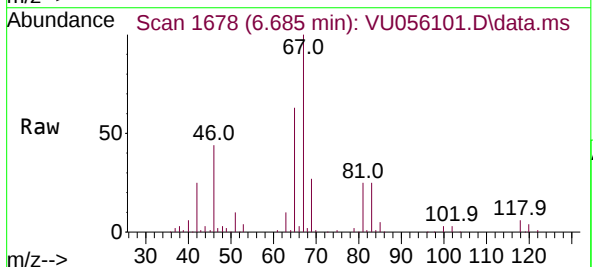
Tgt Ion: 83 Resp: 37782

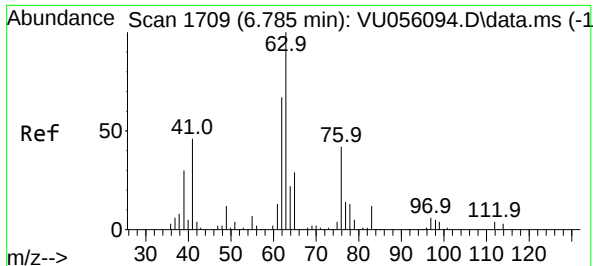
Ion Ratio Lower Upper

83 100

55 0.1 60.6 91.0#

98 0.2 36.2 54.4#





#37

1,2-Dichloropropane

Concen: 0.614 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

Instrument :

MSVOA_U

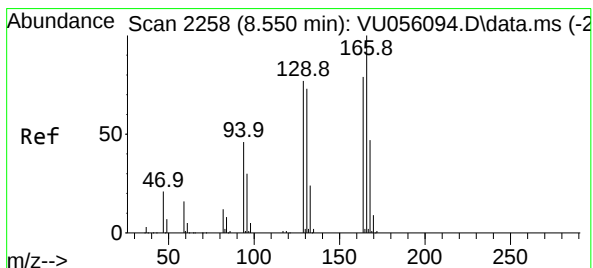
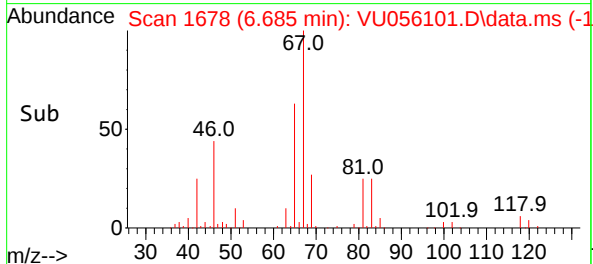
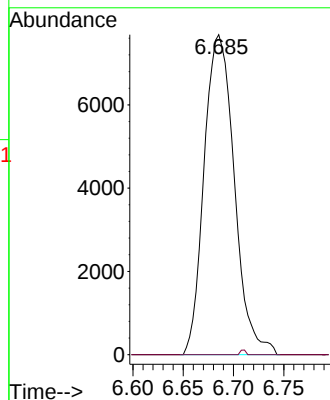
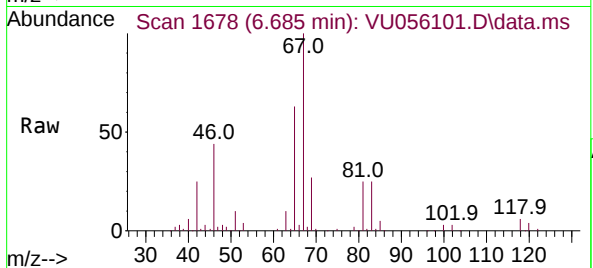
ClientSampleId :

Tgt Ion: 63 Resp: 16058

Ion Ratio Lower Upper

63 100

112 0.3 3.4 5.2#



#47

Tetrachloroethene

Concen: 0.800 ug/L

RT: 8.553 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU056101.D

Acq: 07 Nov 2023 16:10

Tgt Ion:164 Resp: 16511

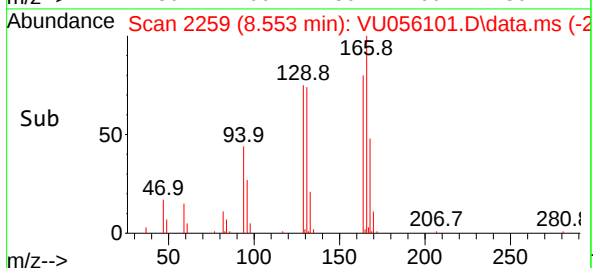
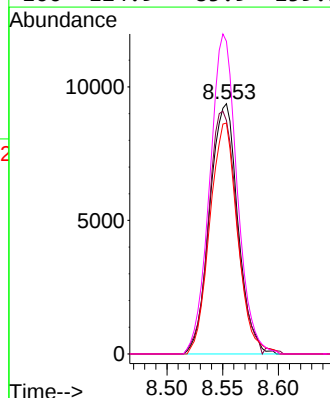
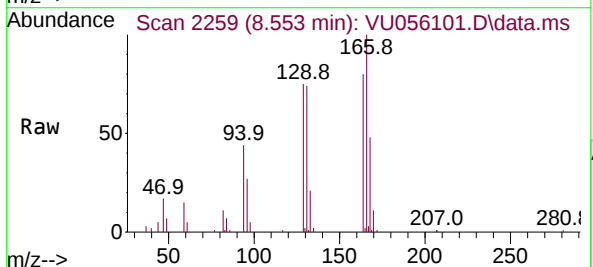
Ion Ratio Lower Upper

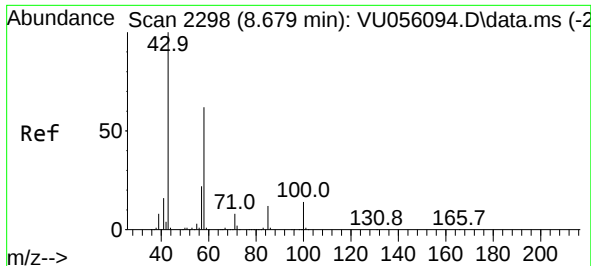
164 100

129 93.3 66.6 123.8

131 92.3 67.8 126.0

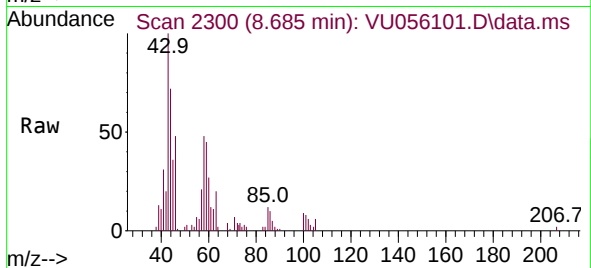
166 124.9 85.9 159.5



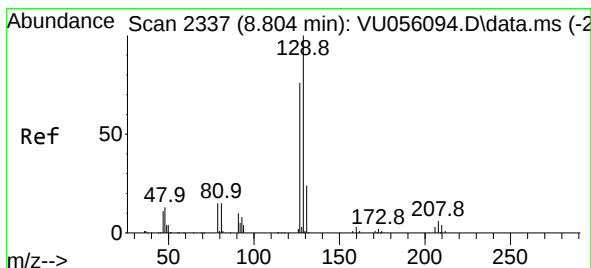
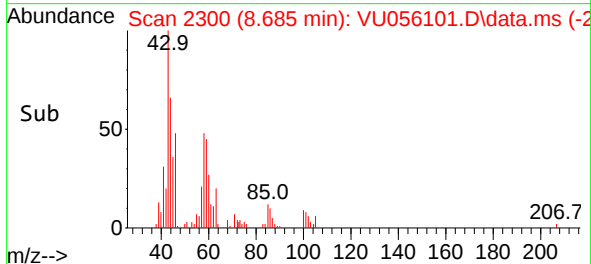
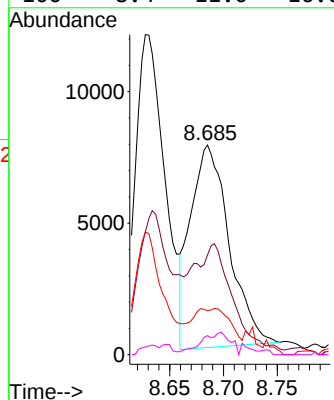


#48
2-Hexanone
Concen: 2.310 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056101.D
Acq: 07 Nov 2023 16:10

Instrument :
MSVOA_U
ClientSampleId :

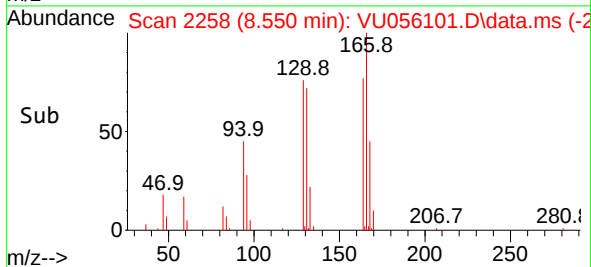
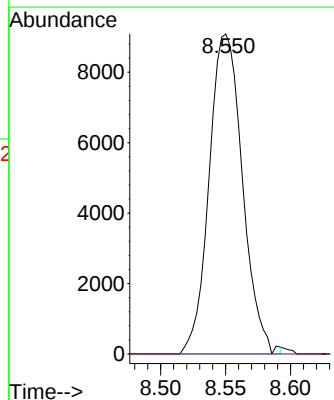
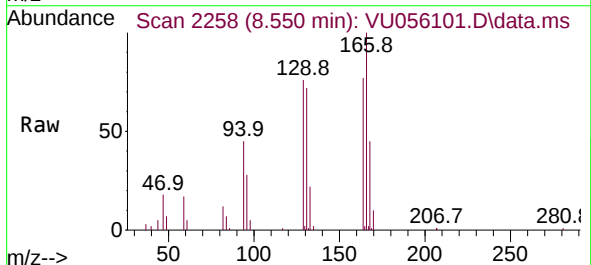


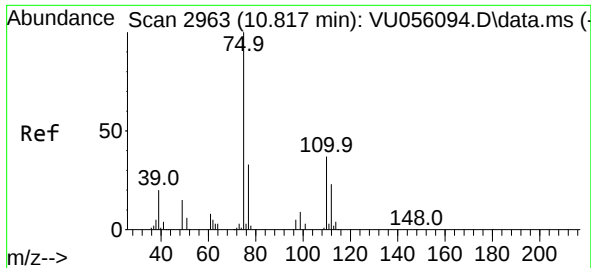
Tgt Ion: 43 Resp: 19254
Ion Ratio Lower Upper
43 100
58 54.7 52.0 78.0
57 2.3 17.4 26.2#
100 8.4 11.0 16.6#



#49
Dibromochloromethane
Concen: 0.790 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU056101.D
Acq: 07 Nov 2023 16:10

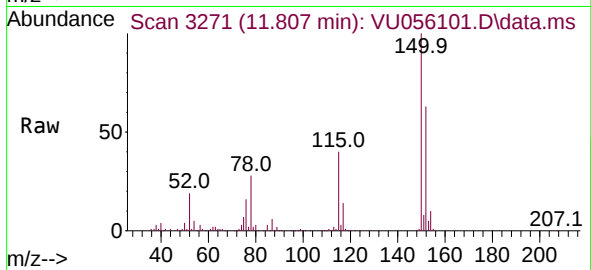
Tgt Ion: 129 Resp: 16226
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.333 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU056101.D
 Acq: 07 Nov 2023 16:10

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 17333
 Ion Ratio Lower Upper
 75 100
 110 3.3 29.7 44.5#
 77 34.3 25.5 38.3

