

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110823\
 Data File : VU056119.D
 Acq On : 08 Nov 2023 13:14
 Operator : MD/SY
 Sample : 05281-03RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 08 20:51:48 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

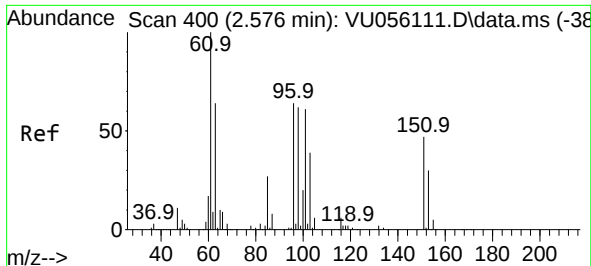
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	363123	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	362747	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	154798	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	123752	5.491	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 109.800%		
7) Chloroethane-d5	1.908	69	102352	6.692	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 133.800%#		
11) 1,1-Dichloroethene-d2	2.563	65	54725	5.511	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 110.200%		
20) 2-Butanone-d5	4.618	46	249397	67.447	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 134.900%#		
24) Chloroform-d	5.055	84	242288	5.647	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 113.000%		
26) 1,2-Dichloroethane-d4	5.695	65	114733	6.073	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 121.400%		
32) Benzene-d6	5.721	84	494524	5.676	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 113.600%		
36) 1,2-Dichloropropane-d6	6.685	67	150888	5.884	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 117.600%		
41) Toluene-d8	7.894	98	417431	5.229	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 104.600%		
43) trans-1,3-Dichloroprop...	8.177	79	53420	5.449	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 109.000%		
46) 2-Hexanone-d5	8.627	63	191794	59.692	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 119.380%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	109953	6.007	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 120.200%#		
66) 1,2-Dichlorobenzene-d4	12.190	152	149270	6.253	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 125.000%#		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	255973	10.968	ug/L	88
17) Methyl tert-butyl Ether	3.361	73	8217	0.156	ug/L #	89
19) 1,1-Dichloroethane	3.866	63	80985	1.795	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	4112	0.154	ug/L	88
29) 1,1,1-Trichloroethane	5.309	97	104063	2.504	ug/L	99
31) Carbon tetrachloride	5.306	117	13953	0.378	ug/L	93
34) Trichloroethene	6.544	95	9974	0.352	ug/L	96
35) Methylcyclohexane	6.685	83	35466	0.841	ug/L #	19
37) 1,2-Dichloropropane	6.689	63	15965	0.591	ug/L #	87
47) Tetrachloroethene	8.550	164	7157	0.336	ug/L	79
48) 2-Hexanone	8.689	43	23334	2.713	ug/L #	93
49) Dibromochloromethane	8.550	129	7131	0.337	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	17766	1.330	ug/L #	69

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

Quant Time: Nov 08 20:51:48 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
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#12

1,1-Dichloroethene

Concen: 10.968 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056119.D

Acq: 08 Nov 2023 13:14

Instrument :

MSVOA_U

ClientSampleId :

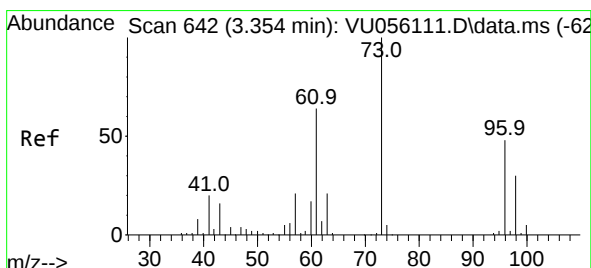
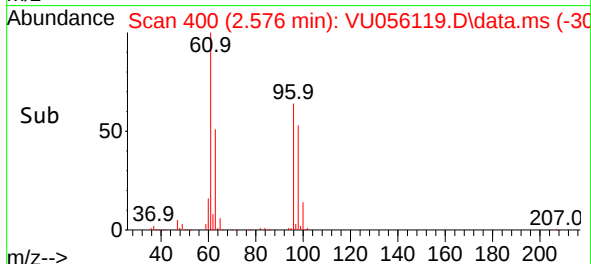
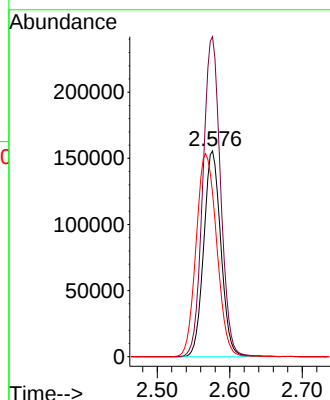
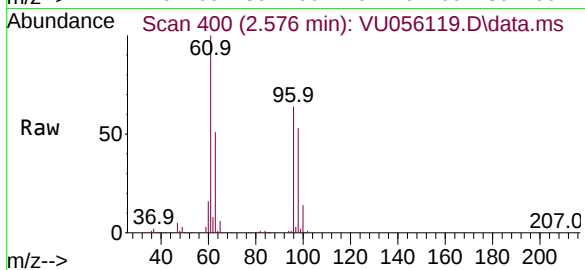
Tgt Ion: 96 Resp: 255973

Ion Ratio Lower Upper

96 100

61 155.5 111.7 207.5

63 79.7 74.5 138.3



#17

Methyl tert-butyl Ether

Concen: 0.156 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.006 min

Lab File: VU056119.D

Acq: 08 Nov 2023 13:14

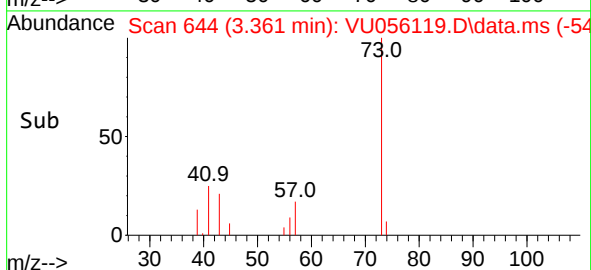
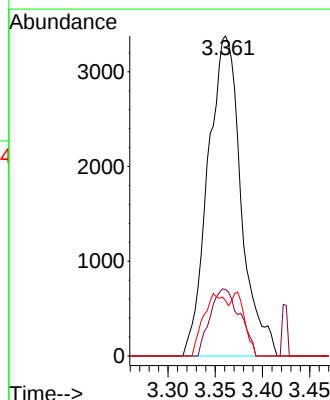
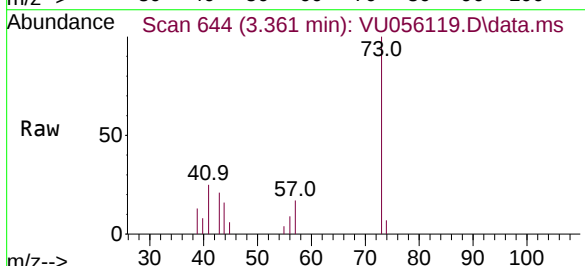
Tgt Ion: 73 Resp: 8217

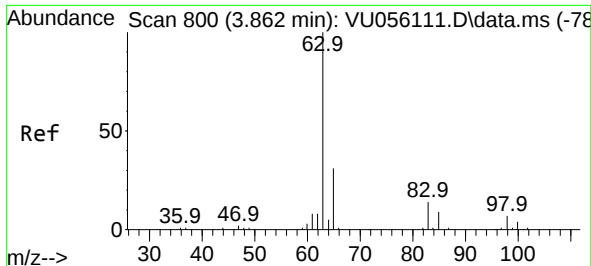
Ion Ratio Lower Upper

73 100

43 18.9 13.6 20.4

57 13.8 17.3 25.9#





#19

1,1-Dichloroethane

Concen: 1.795 ug/L

RT: 3.866 min Scan# 800

Delta R.T. 0.003 min

Lab File: VU056119.D

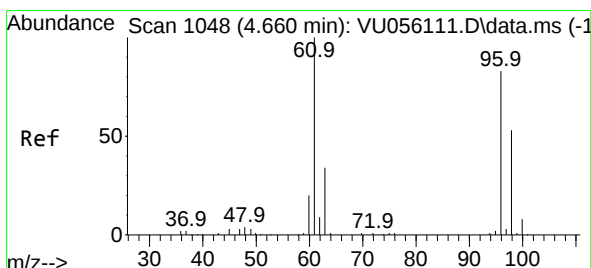
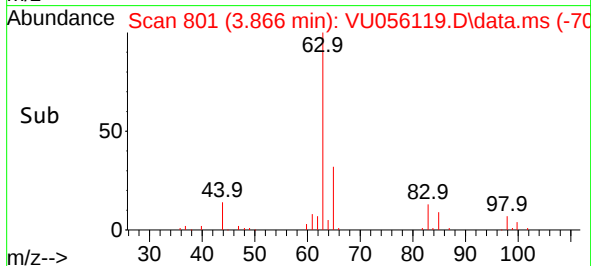
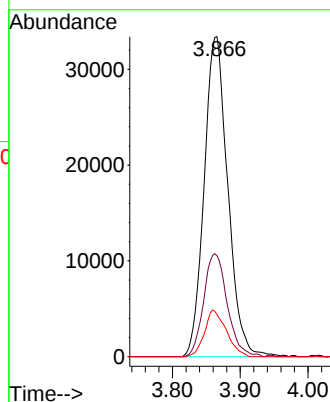
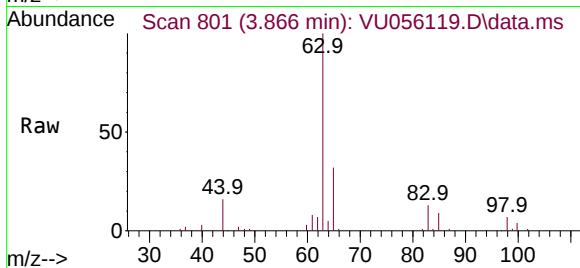
Acq: 08 Nov 2023 13:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	80985
Ion Ratio	Lower	Upper	
63	100		
65	31.6	20.6	38.2
83	13.2	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 0.154 ug/L

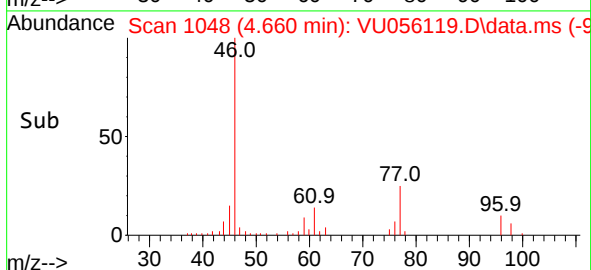
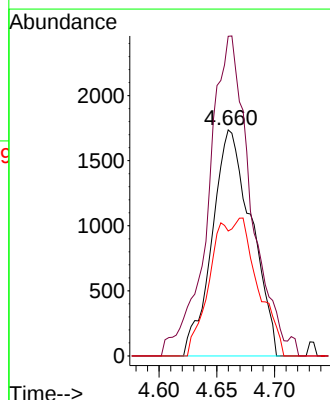
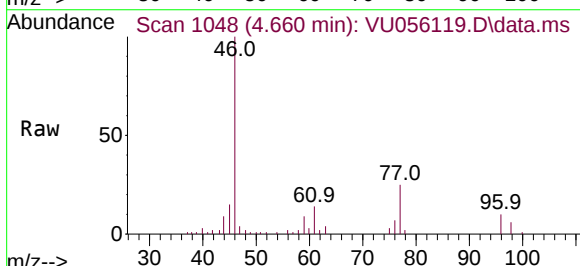
RT: 4.660 min Scan# 1048

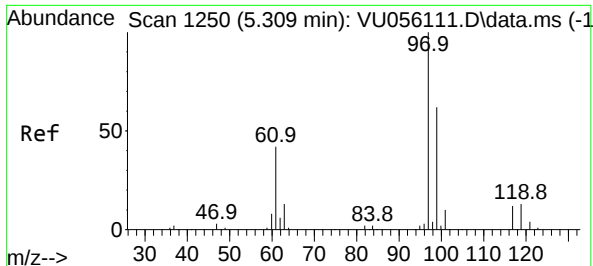
Delta R.T. 0.000 min

Lab File: VU056119.D

Acq: 08 Nov 2023 13:14

Tgt Ion:	96	Resp:	4112
Ion Ratio	Lower	Upper	
96	100		
61	141.3	87.8	163.2
98	55.3	43.5	80.7

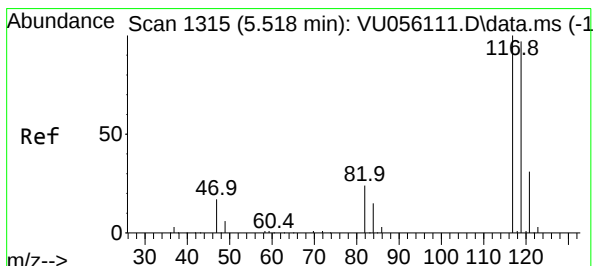
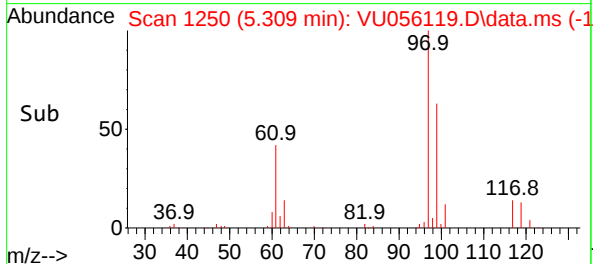
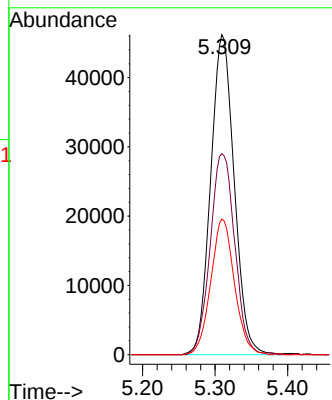
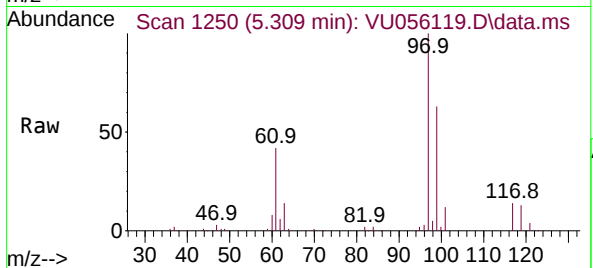




#29
1,1,1-Trichloroethane
Concen: 2.504 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056119.D
Acq: 08 Nov 2023 13:14

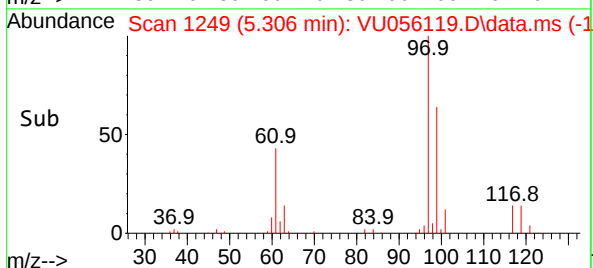
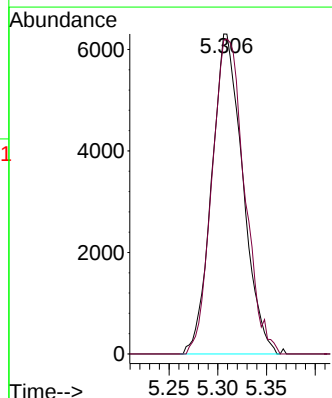
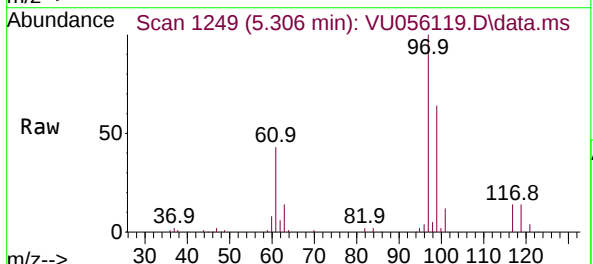
Instrument :
MSVOA_U
ClientSampleId :

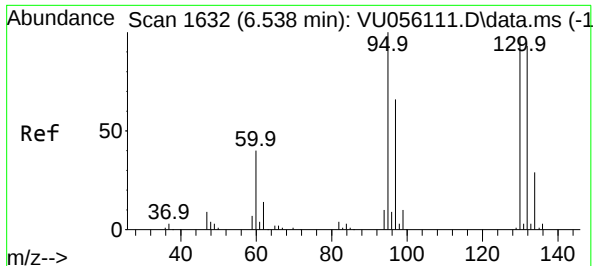
Tgt Ion: 97 Resp: 104063
Ion Ratio Lower Upper
97 100
99 65.6 52.0 78.0
61 42.7 33.4 50.0



#31
Carbon tetrachloride
Concen: 0.378 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.212 min
Lab File: VU056119.D
Acq: 08 Nov 2023 13:14

Tgt Ion: 117 Resp: 13953
Ion Ratio Lower Upper
117 100
119 103.0 77.2 115.8

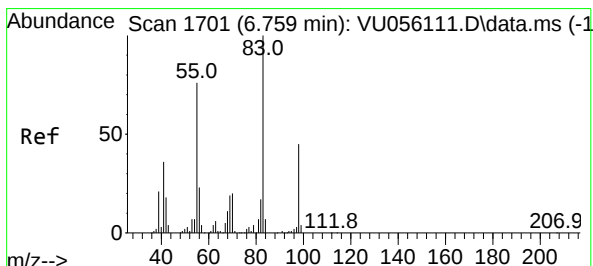
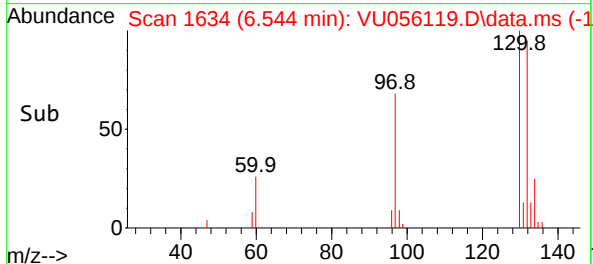
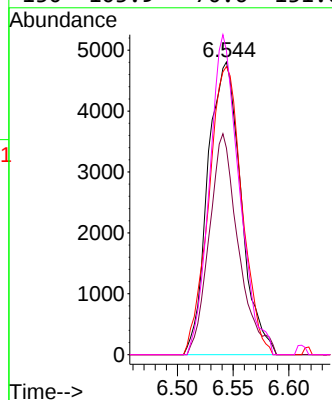
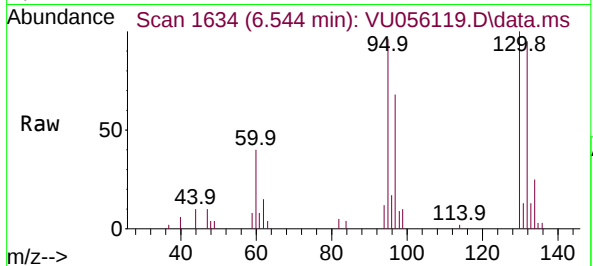




#34
Trichloroethene
Concen: 0.352 ug/L
RT: 6.544 min Scan# 1634
Delta R.T. 0.006 min
Lab File: VU056119.D
Acq: 08 Nov 2023 13:14

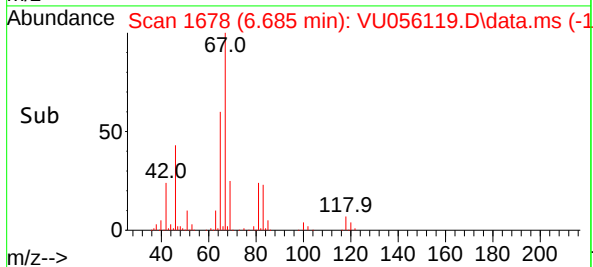
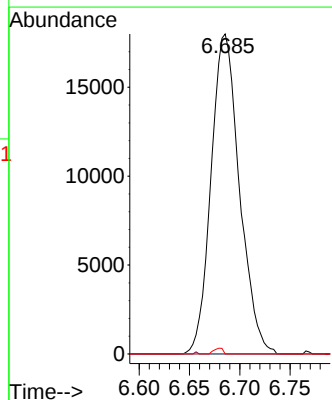
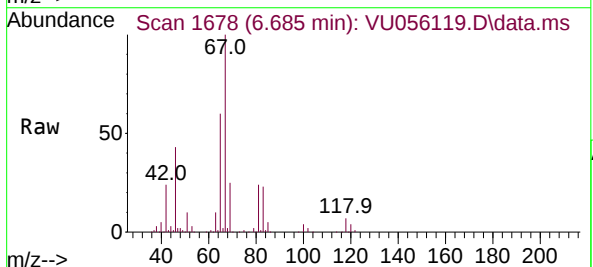
Instrument :
MSVOA_U
ClientSampleId :

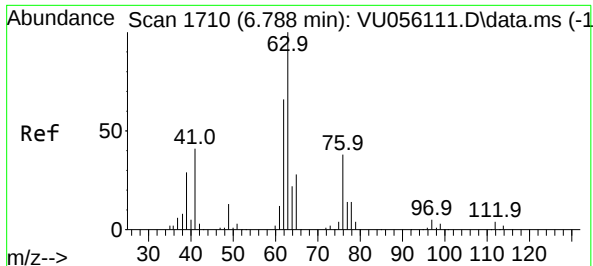
Tgt Ion: 95 Resp: 9974
Ion Ratio Lower Upper
95 100
97 70.6 46.8 87.0
132 98.4 66.5 123.5
130 103.9 70.6 131.0



#35
Methylcyclohexane
Concen: 0.841 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056119.D
Acq: 08 Nov 2023 13:14

Tgt Ion: 83 Resp: 35466
Ion Ratio Lower Upper
83 100
55 0.1 60.6 91.0#
98 0.6 36.2 54.4#





#37

1,2-Dichloropropane

Concen: 0.591 ug/L

RT: 6.689 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056119.D

Acq: 08 Nov 2023 13:14

Instrument :

MSVOA_U

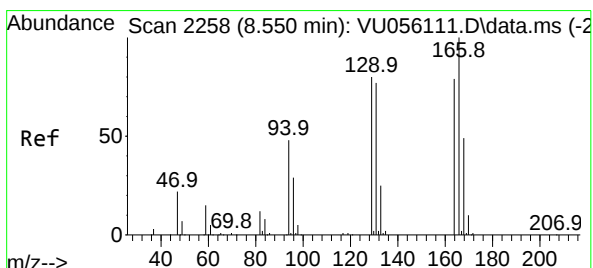
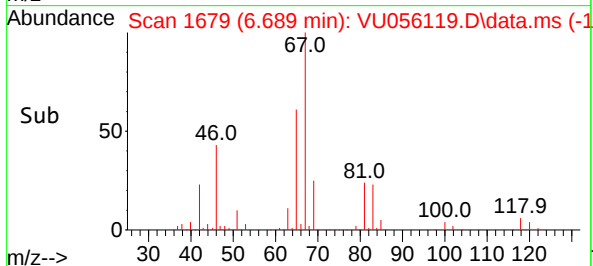
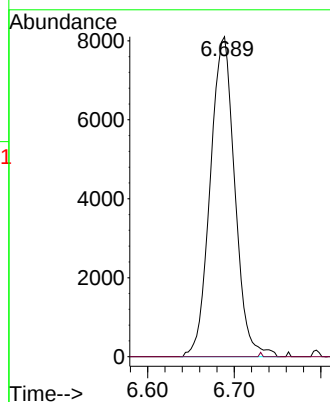
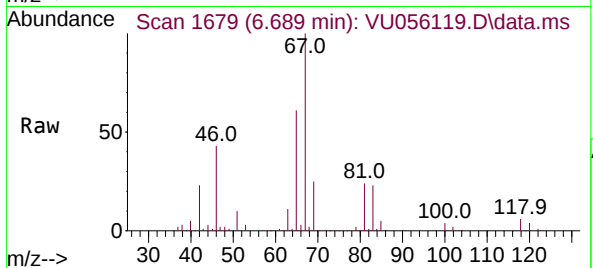
ClientSampleId :

Tgt Ion: 63 Resp: 15965

Ion Ratio Lower Upper

63 100

112 0.1 3.4 5.2#



#47

Tetrachloroethene

Concen: 0.336 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU056119.D

Acq: 08 Nov 2023 13:14

Tgt Ion: 164 Resp: 7157

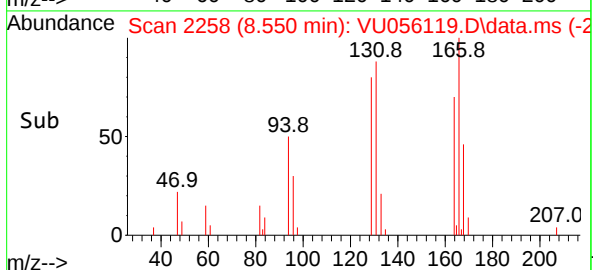
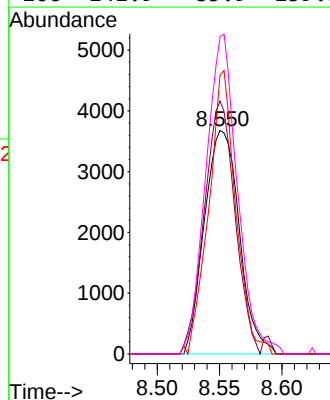
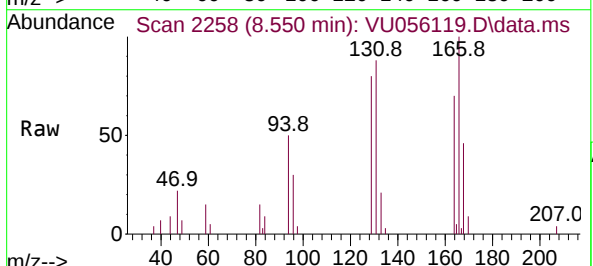
Ion Ratio Lower Upper

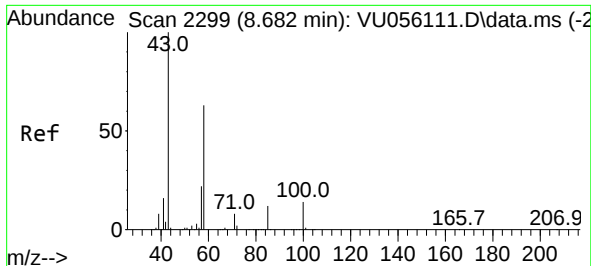
164 100

129 113.2 66.6 123.8

131 124.9 67.8 126.0

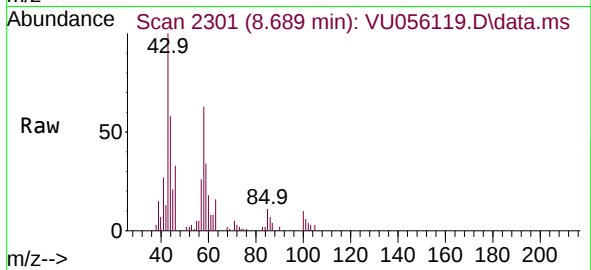
166 141.9 85.9 159.5



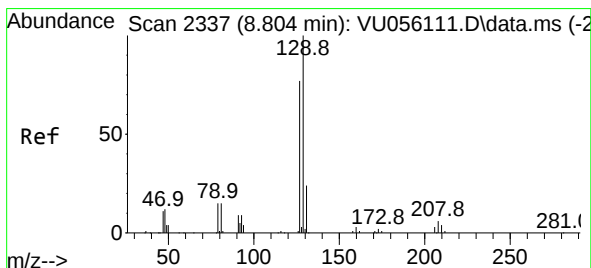
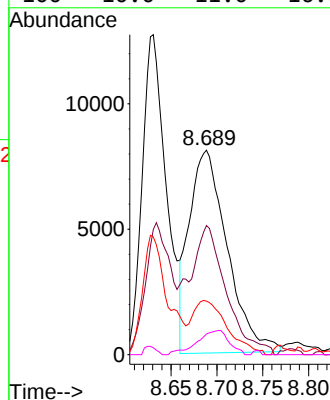
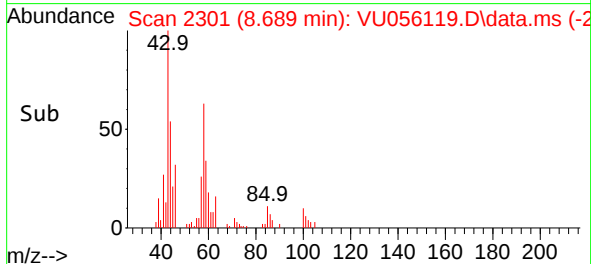


#48
2-Hexanone
Concen: 2.713 ug/L
RT: 8.689 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056119.D
Acq: 08 Nov 2023 13:14

Instrument :
MSVOA_U
ClientSampleId :

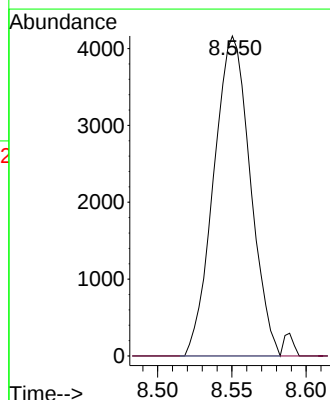
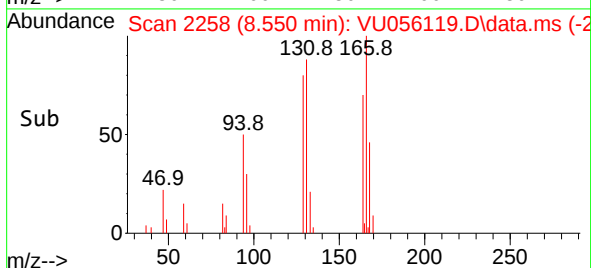
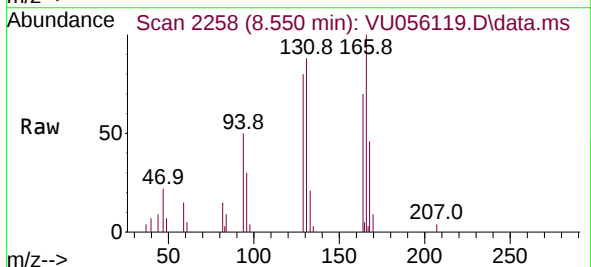


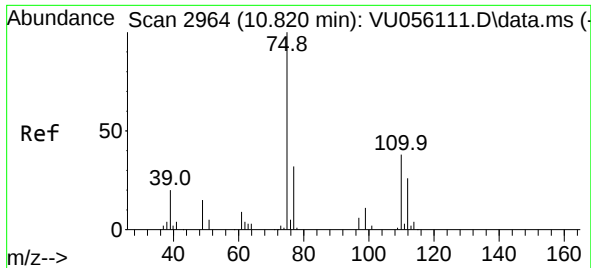
Tgt Ion: 43 Resp: 23334
Ion Ratio Lower Upper
43 100
58 59.6 52.0 78.0
57 24.6 17.4 26.2
100 10.0 11.0 16.6#



#49
Dibromochloromethane
Concen: 0.337 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU056119.D
Acq: 08 Nov 2023 13:14

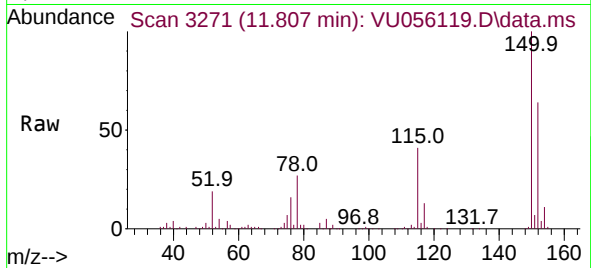
Tgt Ion: 129 Resp: 7131
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.330 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU056119.D
 Acq: 08 Nov 2023 13:14

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 17766
 Ion Ratio Lower Upper
 75 100
 110 2.8 29.7 44.5#
 77 31.5 25.5 38.3

