

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031524\
 Data File : VU058134.D
 Acq On : 15 Mar 2024 17:55
 Operator : MD/SY
 Sample : P1779-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 15 23:32:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 14 04:37:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	124473	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	119358	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	52095	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	44549	4.974	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.400%
7) Chloroethane-d5	1.904	69	40217	5.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.200%
11) 1,1-Dichloroethene-d2	2.557	65	20165	5.203	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.000%
20) 2-Butanone-d5	4.612	46	80702	54.691	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.380%
24) Chloroform-d	5.052	84	89037	5.257	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.200%
26) 1,2-Dichloroethane-d4	5.692	65	42740	5.569	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.718	84	177249	5.096	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
36) 1,2-Dichloropropane-d6	6.682	67	56029	5.299	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.000%
41) Toluene-d8	7.891	98	152382	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.177	79	15777	4.339	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.627	63	65156	53.369	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.740%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	33418	5.154	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	46104	5.374	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3049	0.361	ug/L #	78
12) 1,1-Dichloroethene	2.570	96	39692	5.285	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	9439	0.531	ug/L #	94
18) trans-1,2-Dichloroethene	3.348	96	1141	0.139	ug/L	82
19) 1,1-Dichloroethane	3.859	63	41275	2.529	ug/L	97
22) cis-1,2-Dichloroethene	4.653	96	175780	19.533	ug/L	98
25) Chloroform	5.078	83	15808	0.949	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	6280	0.442	ug/L	96
31) Carbon tetrachloride	5.515	117	5794	0.469	ug/L	94
34) Trichloroethene	6.534	95	1944131	201.740	ug/L	97
35) Methylcyclohexane	6.682	83	12405	0.840	ug/L #	18
37) 1,2-Dichloropropane	6.682	63	6131	0.649	ug/L #	89
45) 1,1,2-Trichloroethane	8.393	97	498	0.089	ug/L #	62
47) Tetrachloroethene	8.547	164	65405	9.783	ug/L	98
49) Dibromochloromethane	8.547	129	66625	10.051	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	7092	1.662	ug/L #	70
68) 1,2-Dibromo-3-chloropr...	12.766	75	142	0.168	ug/L #	7

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 14 04:37:22 2024
Response via : Initial Calibration

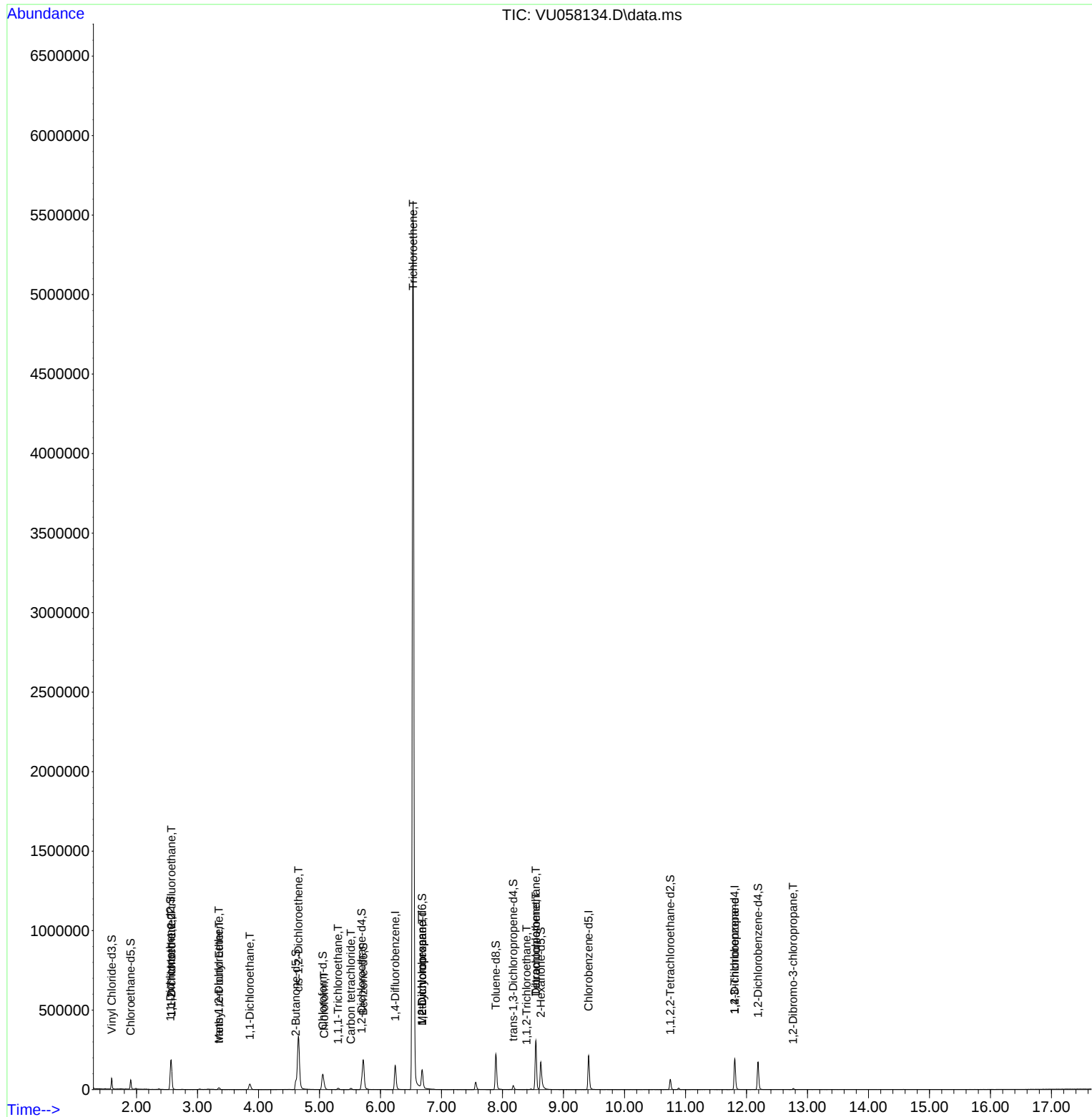
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

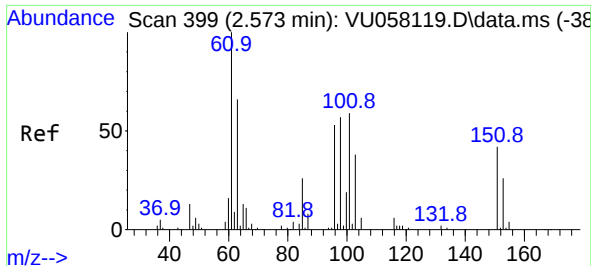
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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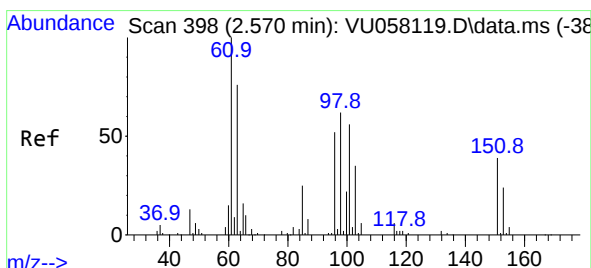
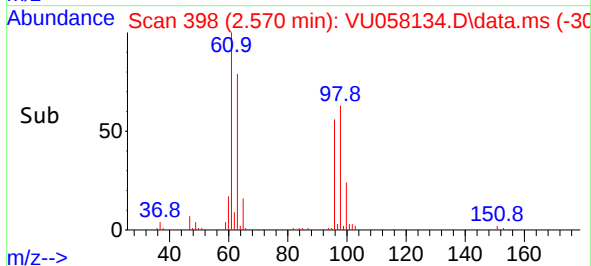
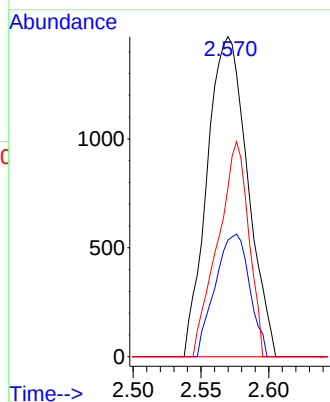
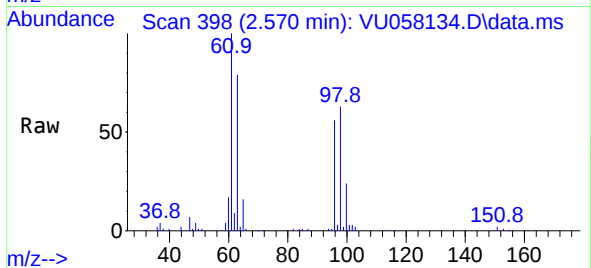




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.361 ug/L
RT: 2.570 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

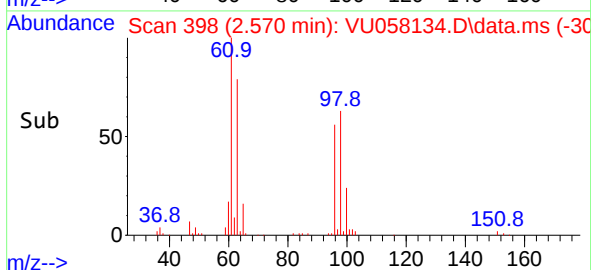
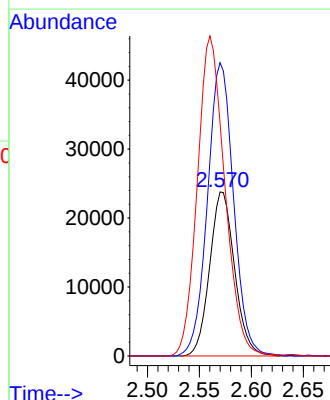
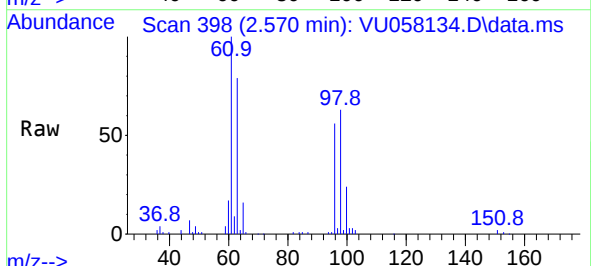
Instrument :
MSVOA_U
ClientSampleId :

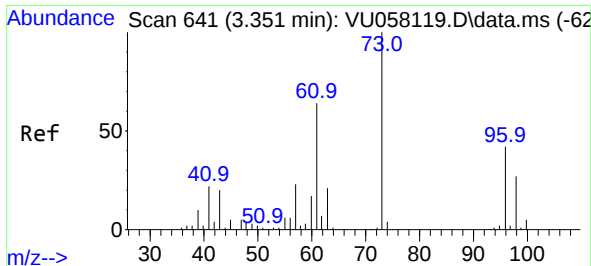
Tgt Ion:101 Resp: 3049
Ion Ratio Lower Upper
101 100
85 32.6 37.3 55.9#
151 51.2 56.0 84.0#



#12
1,1-Dichloroethene
Concen: 5.285 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

Tgt Ion: 96 Resp: 39692
Ion Ratio Lower Upper
96 100
61 178.8 131.8 244.8
63 142.1 98.1 182.1





#17

Methyl tert-butyl Ether

Concen: 0.531 ug/L

RT: 3.354 min Scan# 641

Delta R.T. 0.006 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

Instrument :

MSVOA_U

ClientSampleId :

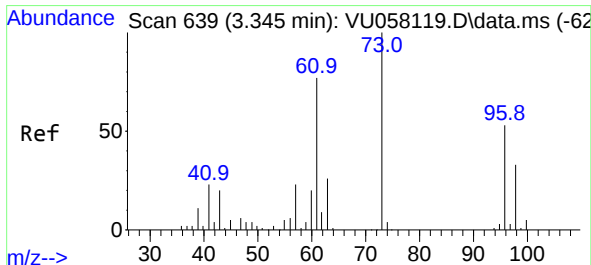
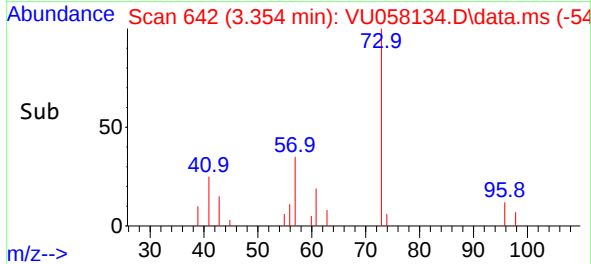
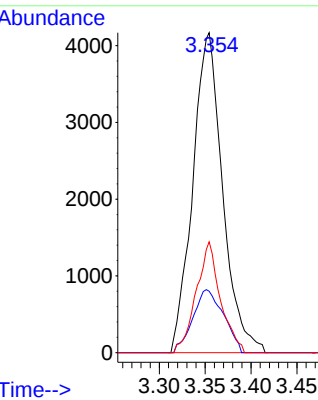
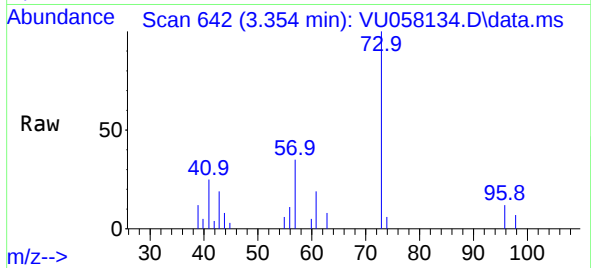
Tgt Ion: 73 Resp: 9439

Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

57 28.1 17.9 26.9#



#18

trans-1,2-Dichloroethene

Concen: 0.139 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.003 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

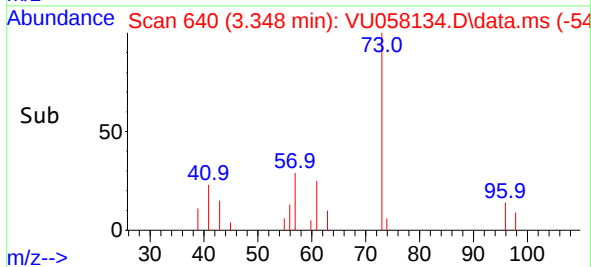
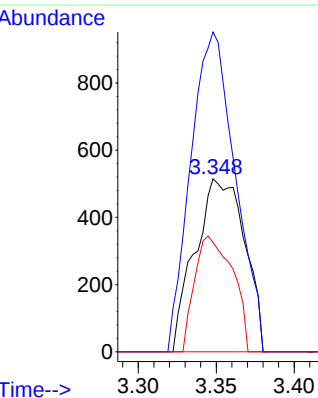
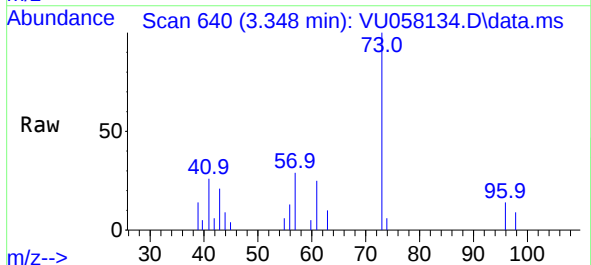
Tgt Ion: 96 Resp: 1141

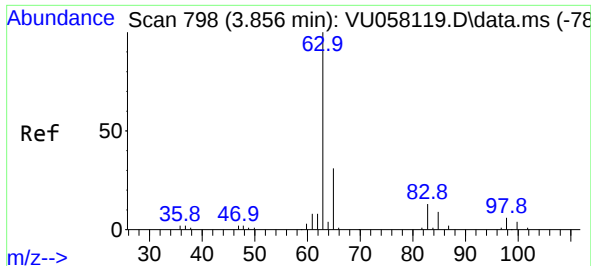
Ion Ratio Lower Upper

96 100

61 184.9 107.7 199.9

98 63.3 45.8 85.0





#19

1,1-Dichloroethane

Concen: 2.529 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.000 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

Instrument :

MSVOA_U

ClientSampleId :

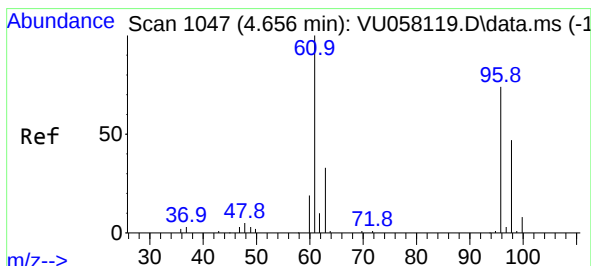
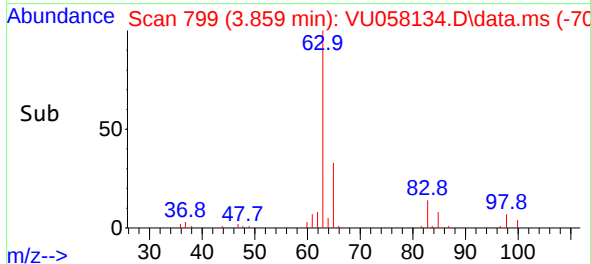
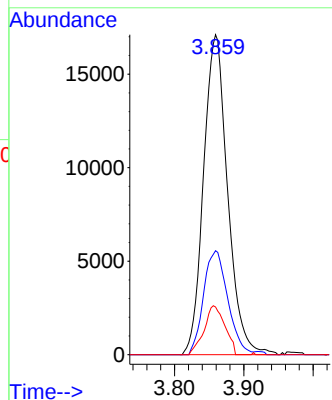
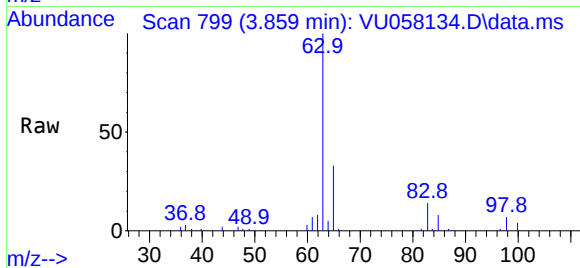
Tgt Ion: 63 Resp: 41275

Ion Ratio Lower Upper

63 100

65 32.5 22.1 41.1

83 14.9 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 19.533 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. 0.000 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

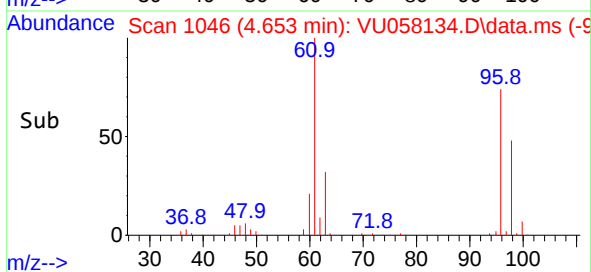
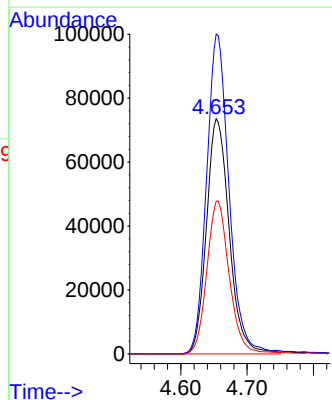
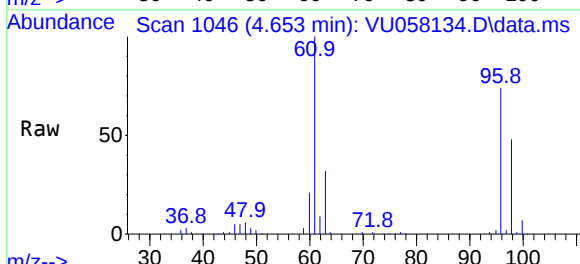
Tgt Ion: 96 Resp: 175780

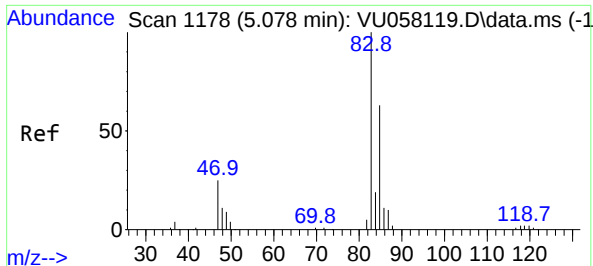
Ion Ratio Lower Upper

96 100

61 136.1 97.2 180.4

98 65.0 45.5 84.5





#25

Chloroform

Concen: 0.949 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

Instrument :

MSVOA_U

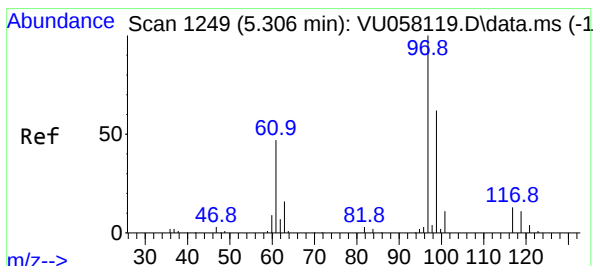
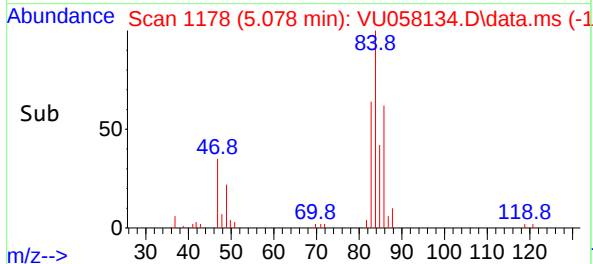
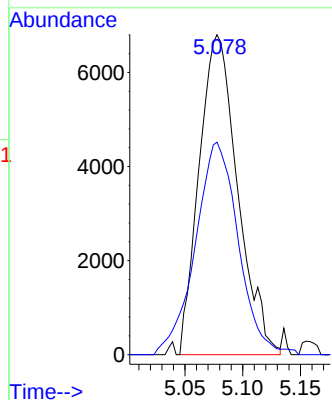
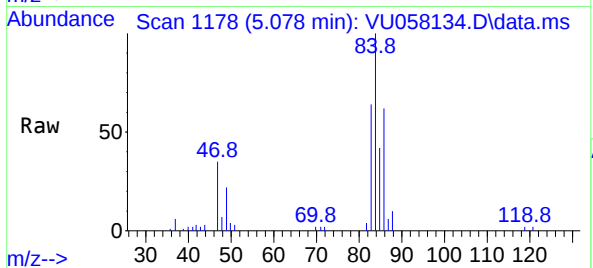
ClientSampleId :

Tgt Ion: 83 Resp: 15808

Ion Ratio Lower Upper

83 100

85 66.4 45.4 84.4



#29

1,1,1-Trichloroethane

Concen: 0.442 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

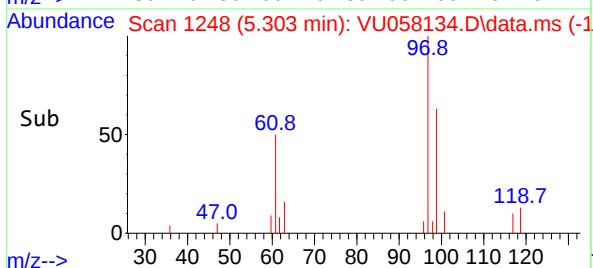
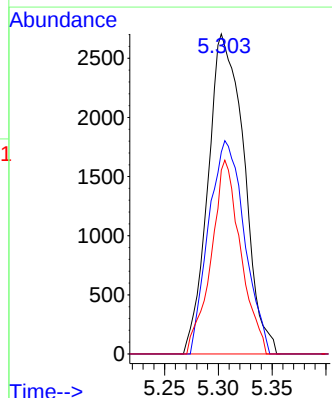
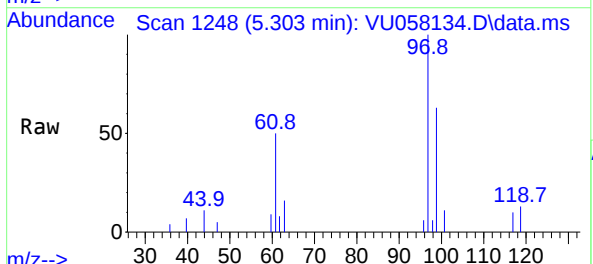
Tgt Ion: 97 Resp: 6280

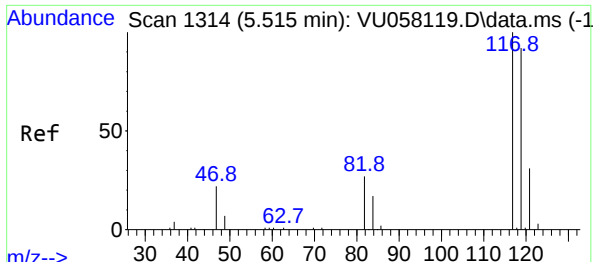
Ion Ratio Lower Upper

97 100

99 66.4 51.2 76.8

61 50.0 37.4 56.2

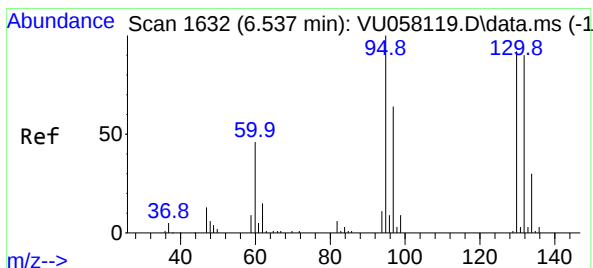
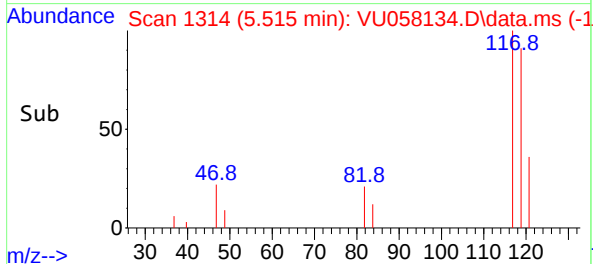
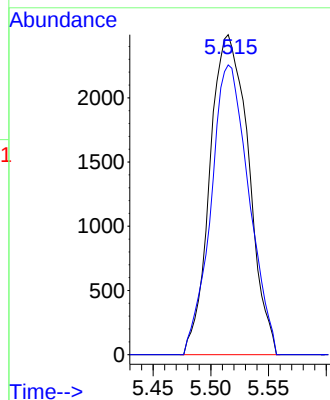
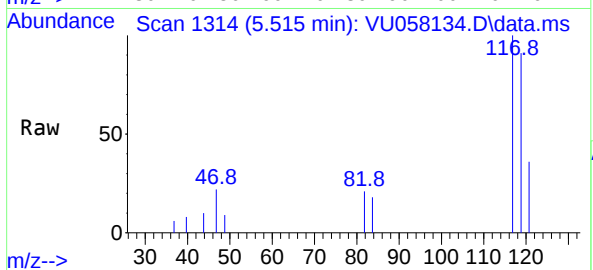




#31
Carbon tetrachloride
Concen: 0.469 ug/L
RT: 5.515 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

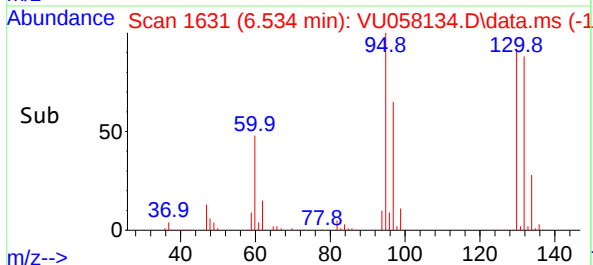
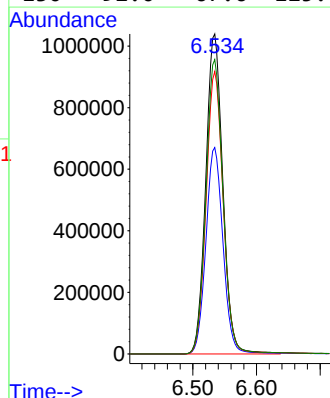
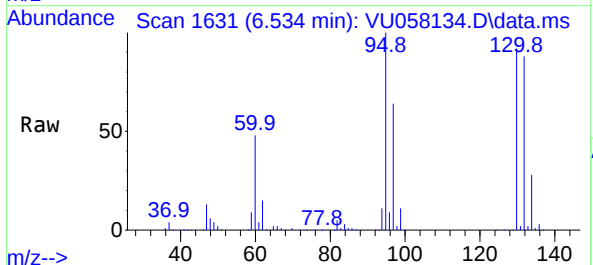
Instrument :
MSVOA_U
ClientSampleId :

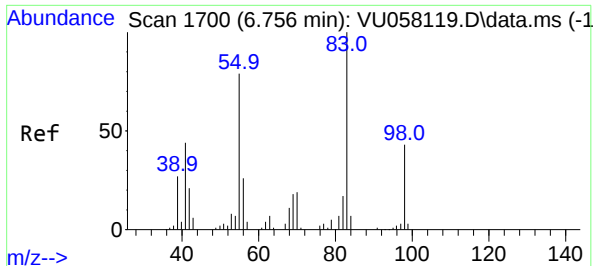
Tgt Ion:117 Resp: 5794
Ion Ratio Lower Upper
117 100
119 88.9 75.8 113.8



#34
Trichloroethene
Concen: 201.740 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

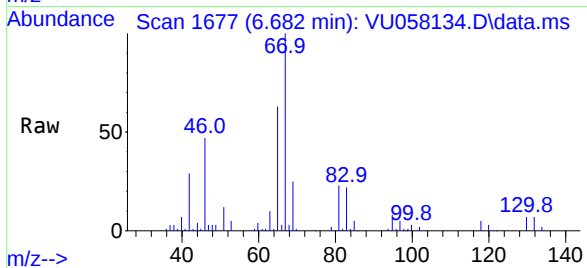
Tgt Ion: 95 Resp: 1944131
Ion Ratio Lower Upper
95 100
97 64.5 45.3 84.1
132 88.2 63.1 117.1
130 92.0 67.6 125.6



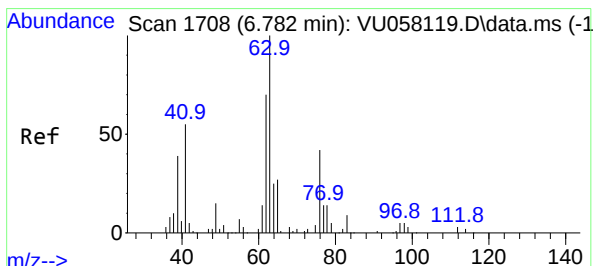
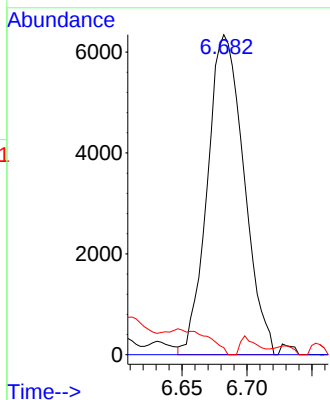
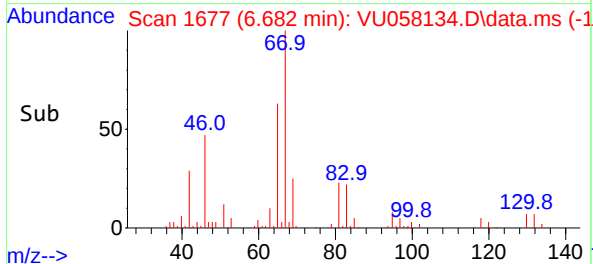


#35
Methylcyclohexane
Concen: 0.840 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

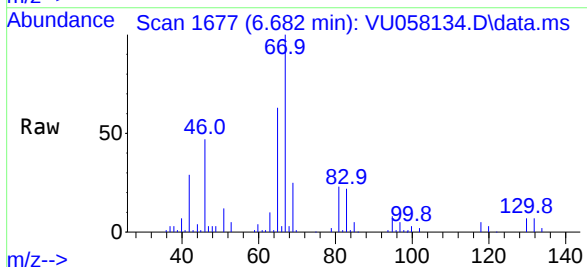
Instrument :
MSVOA_U
ClientSampleId :



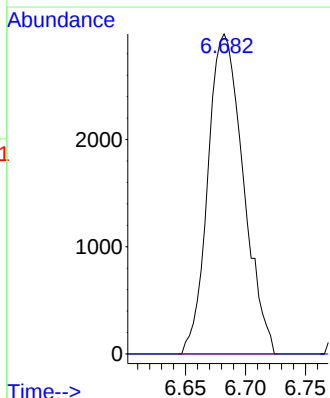
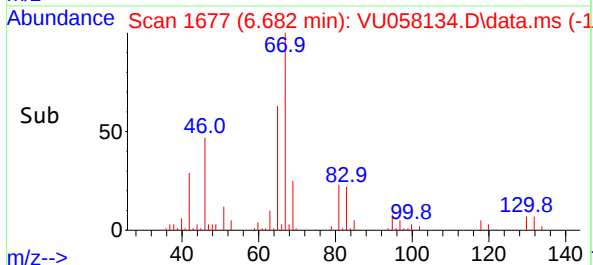
Tgt Ion: 83 Resp: 12405
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.6#
98 0.0 36.2 54.4#

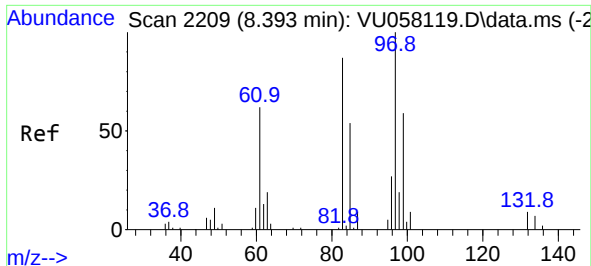


#37
1,2-Dichloropropane
Concen: 0.649 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55



Tgt Ion: 63 Resp: 6131
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



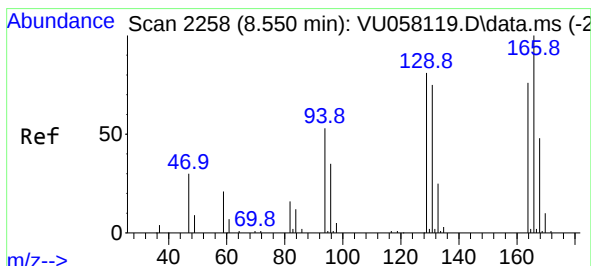
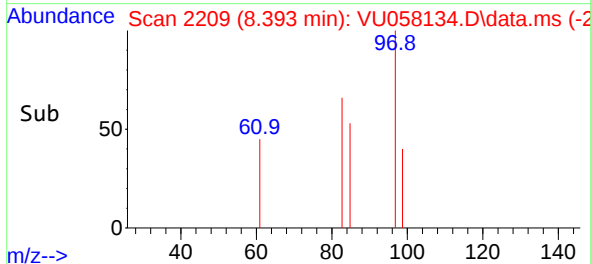
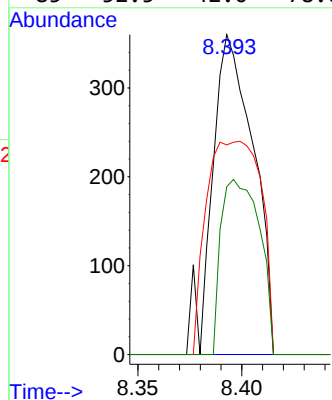
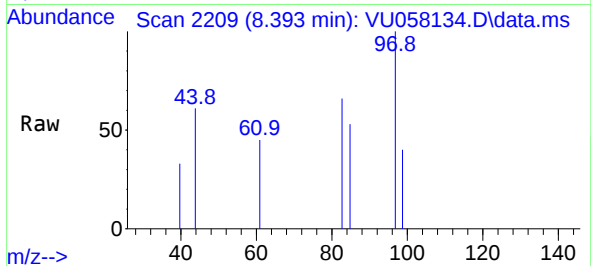


#45
1,1,2-Trichloroethane
Concen: 0.089 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 498

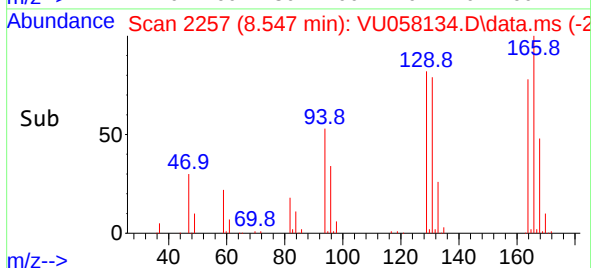
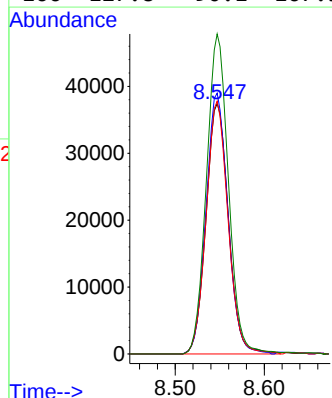
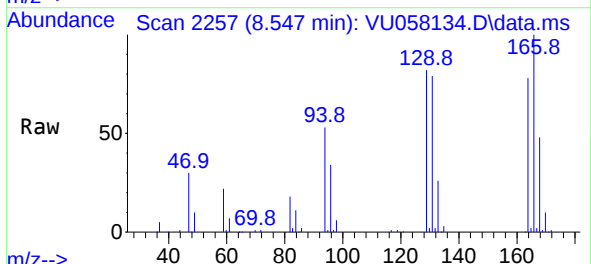
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.2	82.2#
83	65.6	64.2	119.2
85	52.5	42.0	78.0

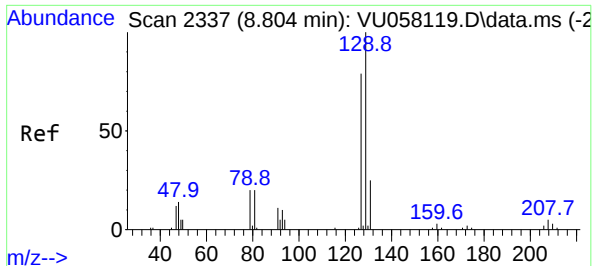


#47
Tetrachloroethene
Concen: 9.783 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

Tgt Ion:164 Resp: 65405

Ion	Ratio	Lower	Upper
164	100		
129	104.1	69.3	128.7
131	100.9	69.9	129.9
166	127.8	90.1	167.3





#49

Dibromochloromethane

Concen: 10.051 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

Instrument :

MSVOA_U

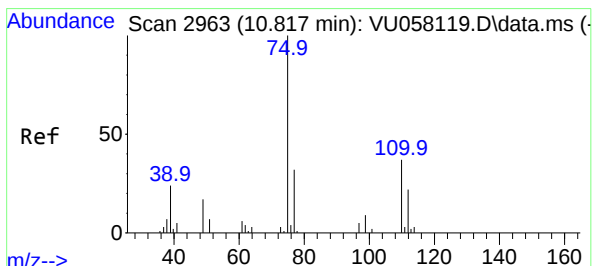
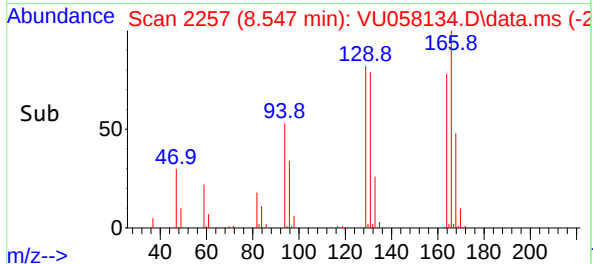
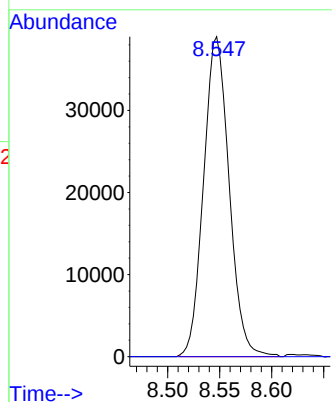
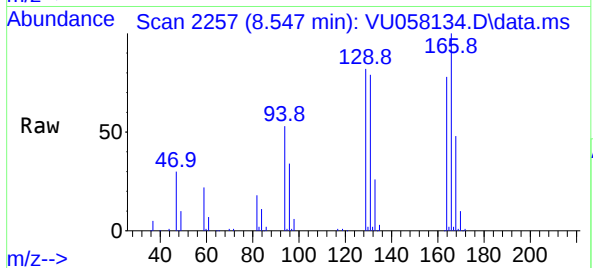
ClientSampleId :

Tgt Ion:129 Resp: 66625

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#61

1,2,3-Trichloropropane

Concen: 1.662 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.994 min

Lab File: VU058134.D

Acq: 15 Mar 2024 17:55

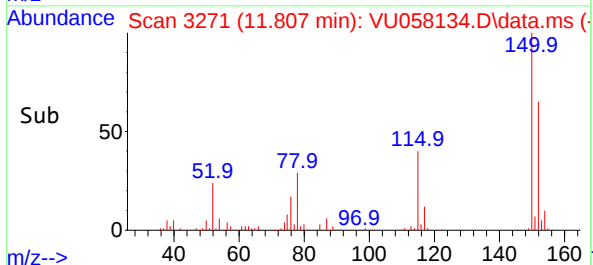
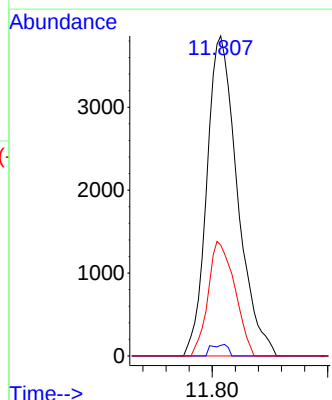
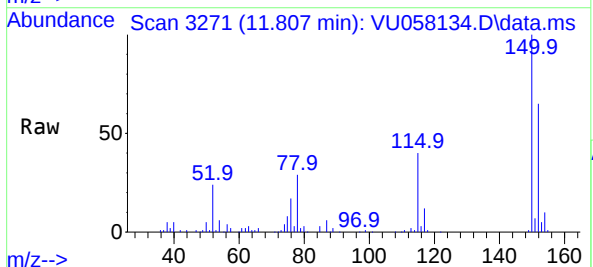
Tgt Ion: 75 Resp: 7092

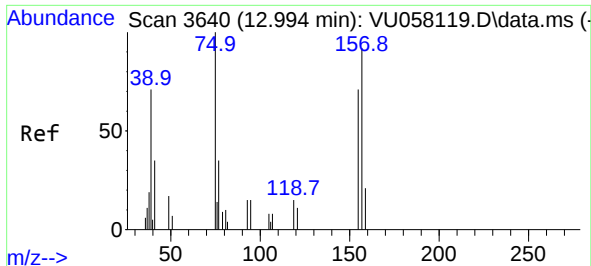
Ion Ratio Lower Upper

75 100

110 2.0 28.0 42.0#

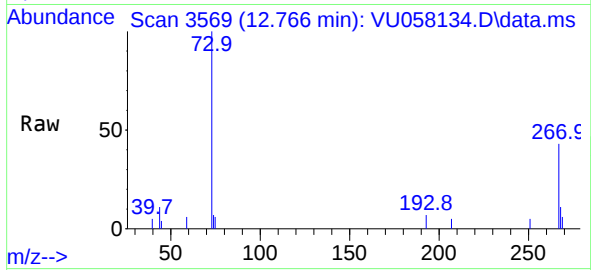
77 31.1 24.7 37.1





#68
1,2-Dibromo-3-chloropropane
Concen: 0.168 ug/L
RT: 12.766 min Scan# 31
Delta R.T. -0.225 min
Lab File: VU058134.D
Acq: 15 Mar 2024 17:55

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 142
Ion Ratio Lower Upper
75 100
155 0.0 61.0 91.6#
157 0.0 74.6 112.0#

