

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121823\
 Data File : VU056989.D
 Acq On : 18 Dec 2023 13:27
 Operator : MD/SY
 Sample : 05890-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 14:31:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 01:16:15 2023
 Response via : Initial Calibration

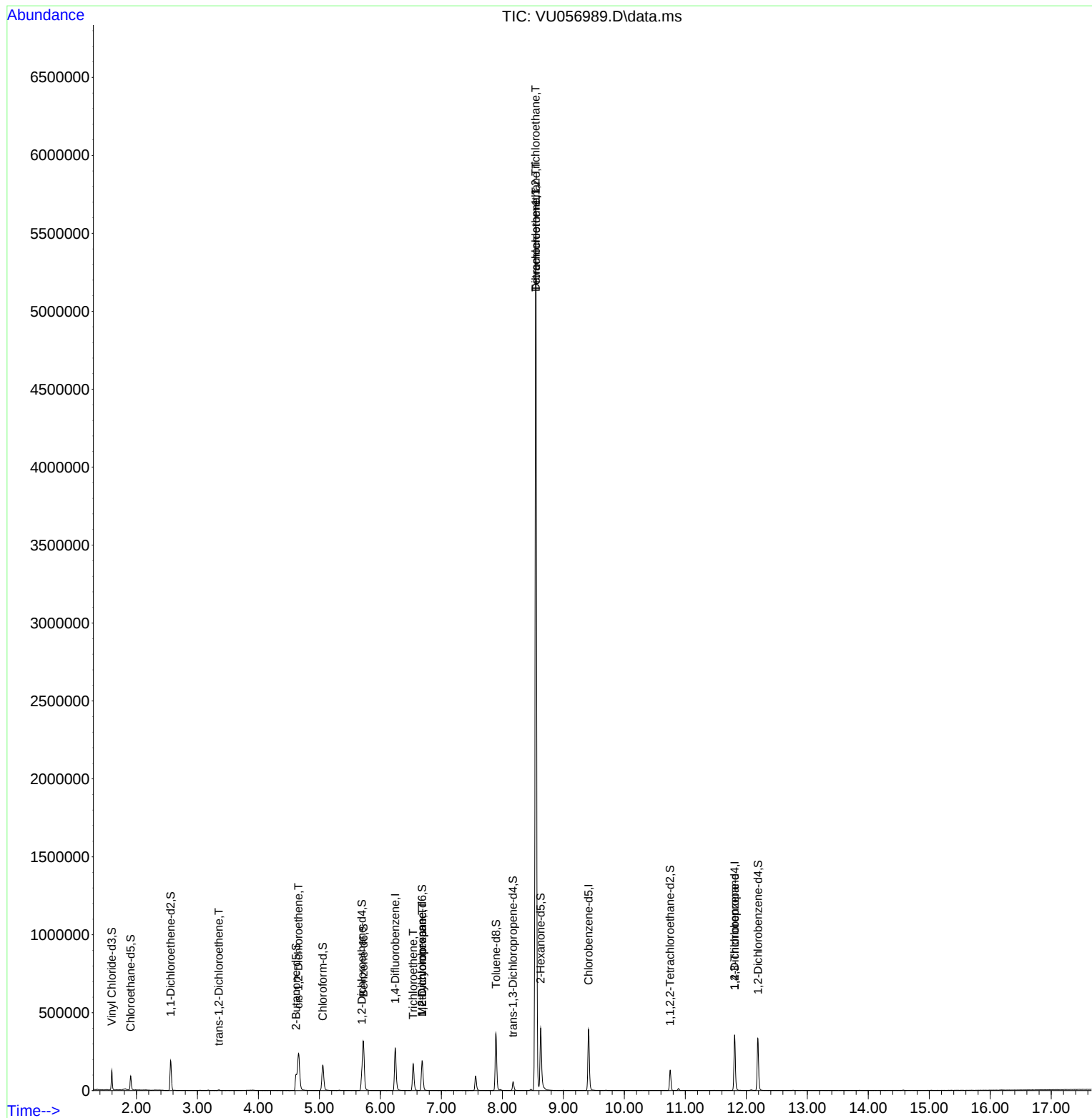
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	222530	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	223992	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	96481	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	86844	4.553	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	91.000%	
7) Chloroethane-d5	1.904	69	69135	4.843	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.800%	
11) 1,1-Dichloroethene-d2	2.560	65	35258	4.320	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	86.400%	
20) 2-Butanone-d5	4.615	46	147310	39.106	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	78.220%	
24) Chloroform-d	5.055	84	157161	4.351	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.000%	
26) 1,2-Dichloroethane-d4	5.695	65	77110	4.511	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.200%	
32) Benzene-d6	5.721	84	304120	4.377	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.600%	
36) 1,2-Dichloropropane-d6	6.685	67	92592	4.258	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	85.200%	
41) Toluene-d8	7.894	98	253450	4.082	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	81.600%	
43) trans-1,3-Dichloroprop...	8.174	79	34778	4.124	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	82.400%	
46) 2-Hexanone-d5	8.627	63	134219	42.199	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.400%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	66657	4.237	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	84.800%	
66) 1,2-Dichlorobenzene-d4	12.190	152	85992	4.534	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.600%	
Target Compounds						
18) trans-1,2-Dichloroethene	3.351	96	2079	0.113	ug/L	81
22) cis-1,2-Dichloroethene	4.657	96	120895	6.067	ug/L	98
34) Trichloroethene	6.538	95	62232	2.882	ug/L	96
35) Methylcyclohexane	6.685	83	22008	0.691	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	10548	0.524	ug/L #	88
45) 1,1,2-Trichloroethane	8.544	97	10885	0.800	ug/L #	1
47) Tetrachloroethene	8.547	164	1198614	79.314	ug/L	97
49) Dibromochloromethane	8.547	129	1237829	79.103	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	11904	1.149	ug/L #	70

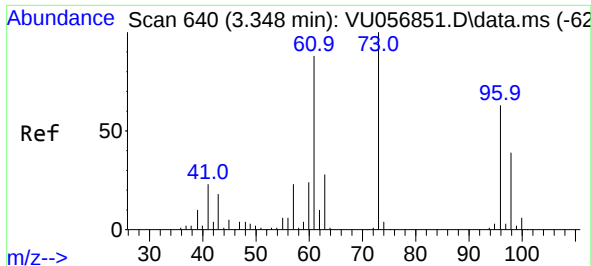
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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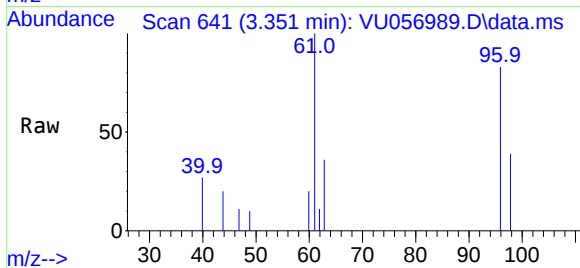
Quant Time: Dec 18 14:31:38 2023
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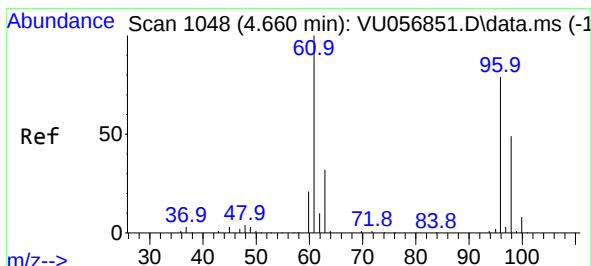
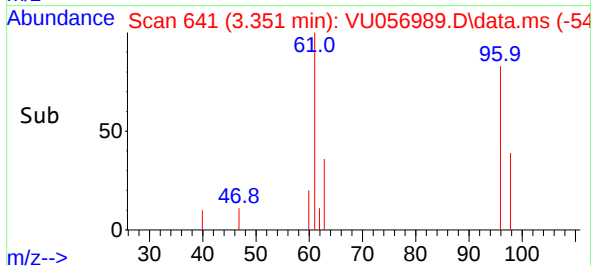
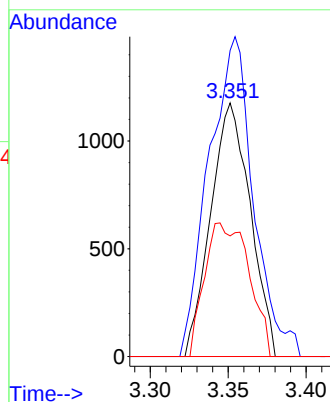


#18
trans-1,2-Dichloroethene
Concen: 0.113 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU056989.D
Acq: 18 Dec 2023 13:27

Instrument :
MSVOA_U
ClientSampleId :

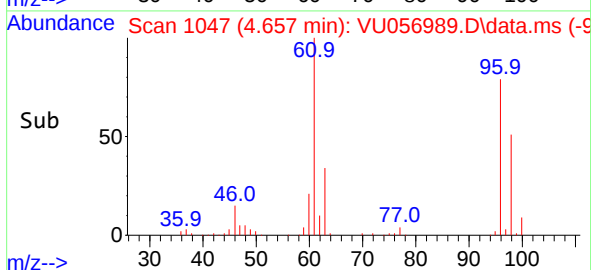
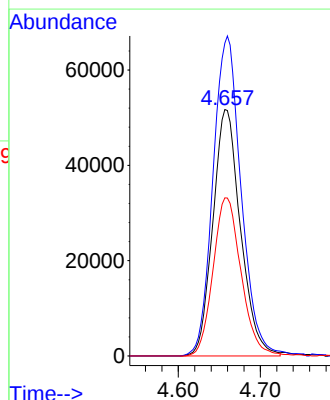
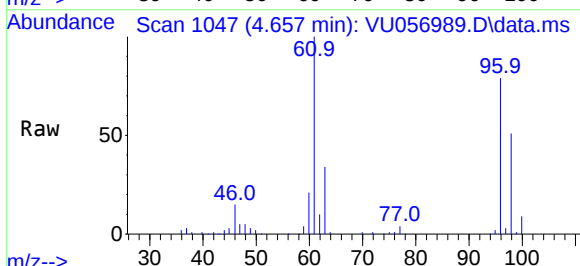


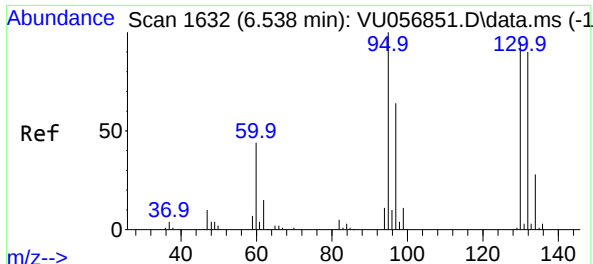
Tgt Ion: 96 Resp: 2079
Ion Ratio Lower Upper
96 100
61 120.6 101.8 189.0
98 47.6 43.0 79.8



#22
cis-1,2-Dichloroethene
Concen: 6.067 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU056989.D
Acq: 18 Dec 2023 13:27

Tgt Ion: 96 Resp: 120895
Ion Ratio Lower Upper
96 100
61 126.9 91.3 169.6
98 64.2 44.2 82.0



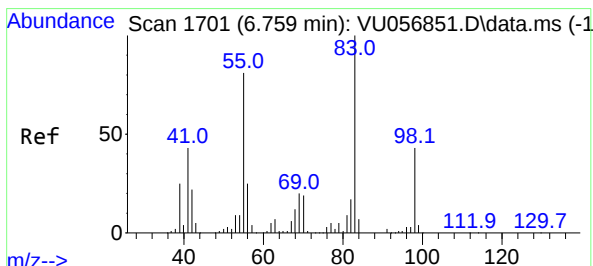
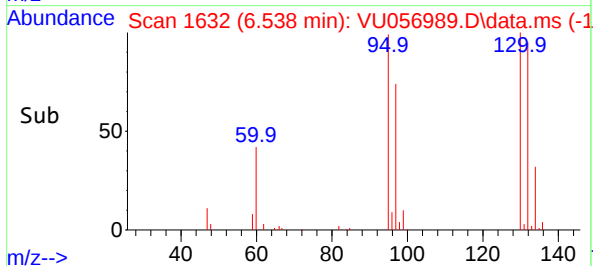
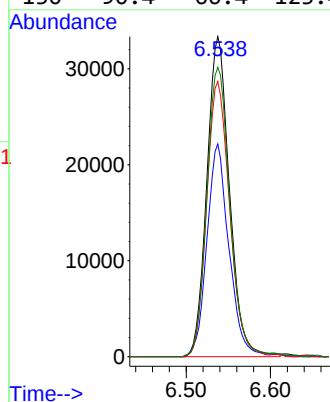
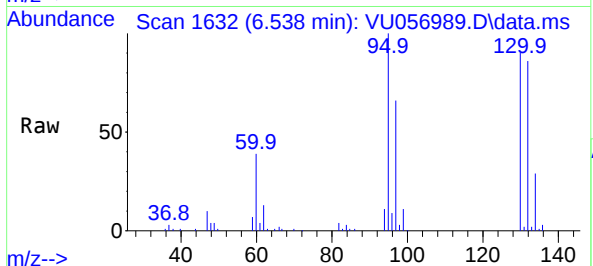


#34
Trichloroethene
Concen: 2.882 ug/L
RT: 6.538 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VU056989.D
Acq: 18 Dec 2023 13:27

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 62232

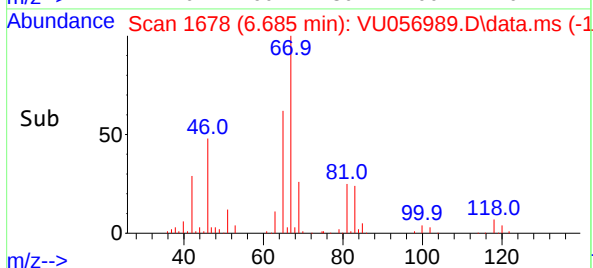
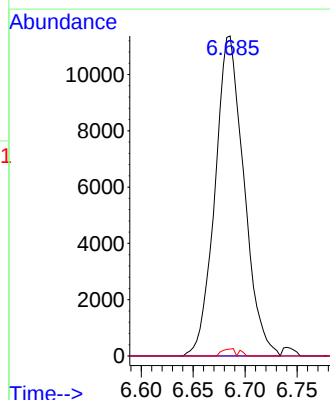
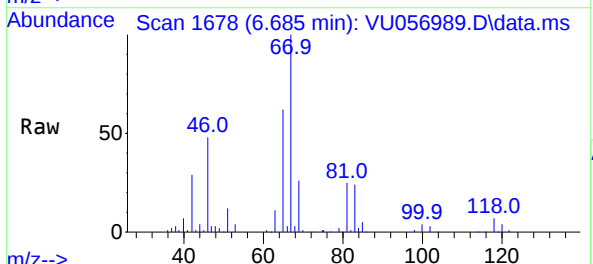
Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.1	85.5
132	86.0	63.6	118.0
130	90.4	66.4	123.4

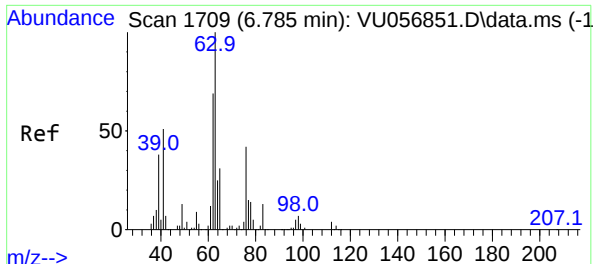


#35
Methylcyclohexane
Concen: 0.691 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056989.D
Acq: 18 Dec 2023 13:27

Tgt Ion: 83 Resp: 22008

Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	0.9	36.1	54.1#

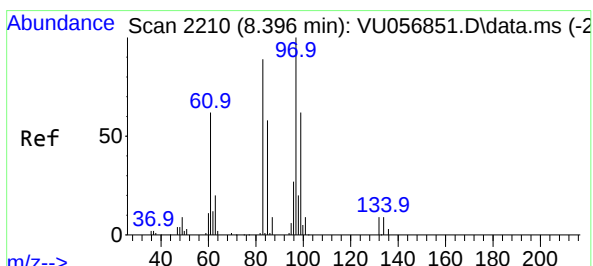
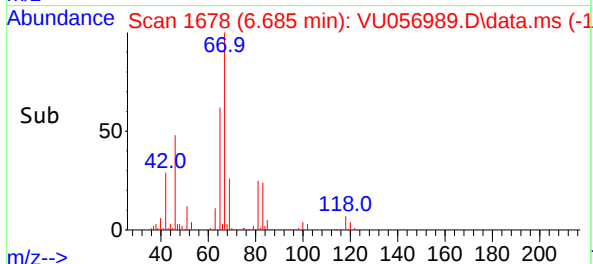
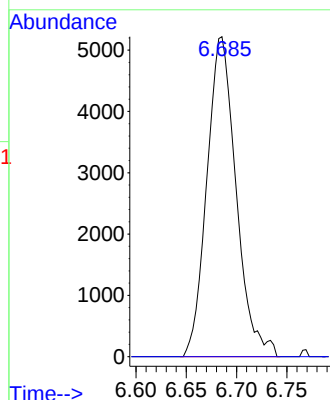
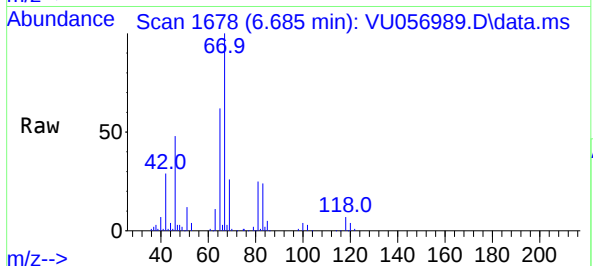




#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056989.D
Acq: 18 Dec 2023 13:27

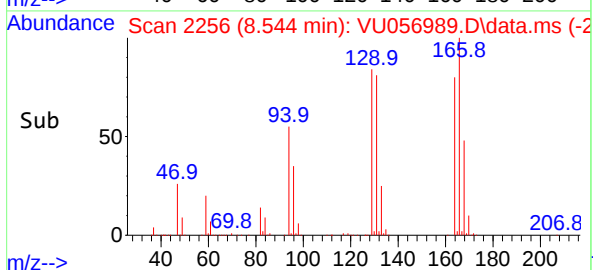
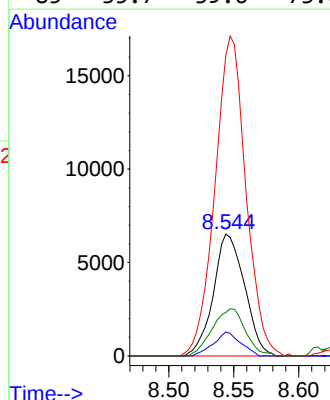
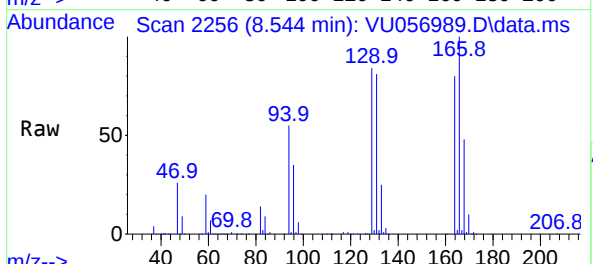
Instrument :
MSVOA_U
ClientSampleId :

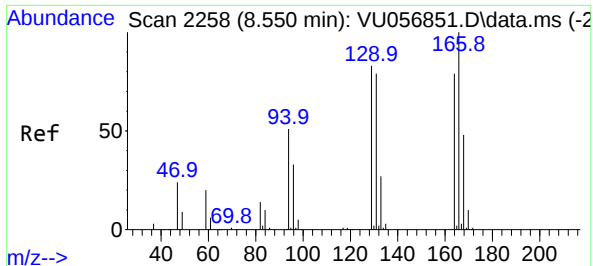
Tgt Ion: 63 Resp: 10548
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#45
1,1,2-Trichloroethane
Concen: 0.800 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.148 min
Lab File: VU056989.D
Acq: 18 Dec 2023 13:27

Tgt Ion: 97 Resp: 10885
Ion Ratio Lower Upper
97 100
99 19.6 41.9 77.9#
83 246.4 59.1 109.7#
85 35.7 39.6 73.6#





#47

Tetrachloroethene

Concen: 79.314 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056989.D

Acq: 18 Dec 2023 13:27

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 1198614

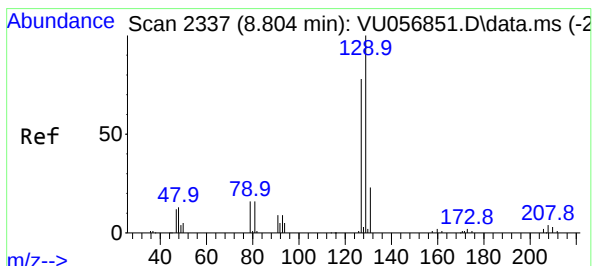
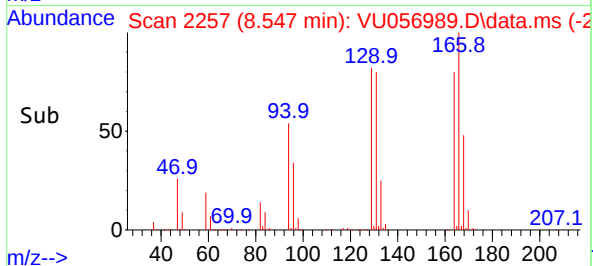
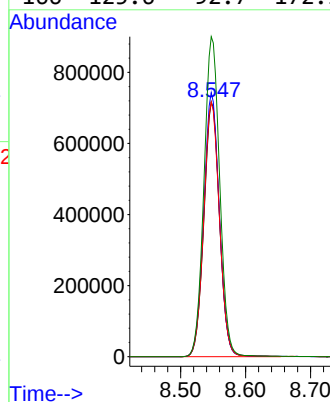
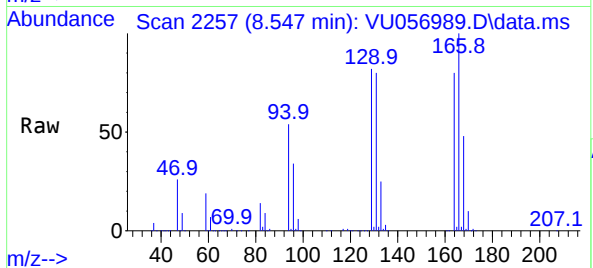
Ion Ratio Lower Upper

164 100

129 103.6 73.4 136.4

131 99.9 71.5 132.9

166 125.6 92.7 172.1



#49

Dibromochloromethane

Concen: 79.103 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.257 min

Lab File: VU056989.D

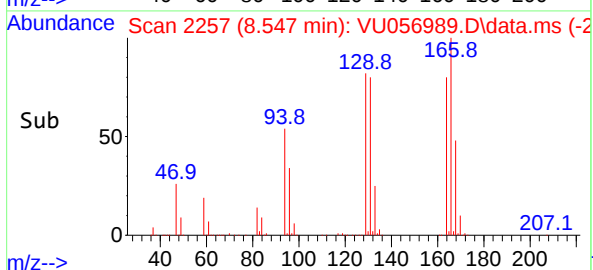
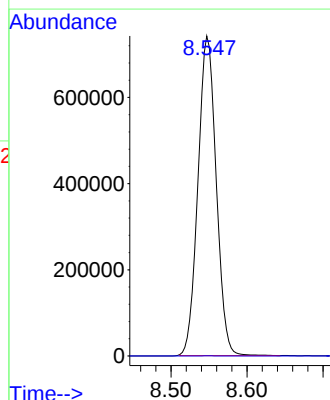
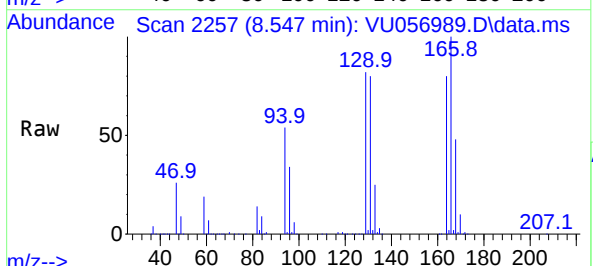
Acq: 18 Dec 2023 13:27

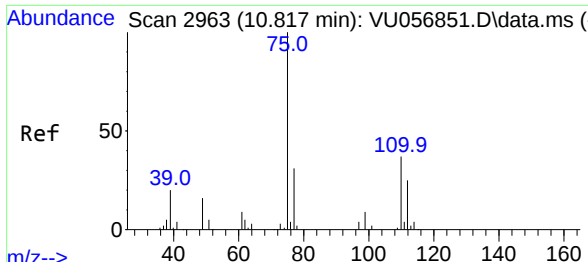
Tgt Ion:129 Resp: 1237829

Ion Ratio Lower Upper

129 100

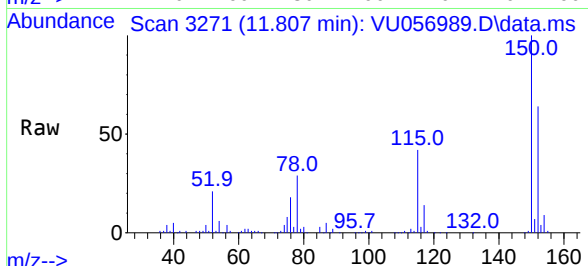
127 0.1 53.9 100.1#





#61
1,2,3-Trichloropropane
Concen: 1.149 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU056989.D
Acq: 18 Dec 2023 13:27

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	75	Resp:	11904
Ion	Ratio	Lower	Upper
75	100		
110	2.0	28.4	42.6#
77	33.3	26.3	39.5

