

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057108.D
 Acq On : 20 Dec 2023 22:06
 Operator : MD/SY
 Sample : 05894-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K5

Quant Time: Dec 21 05:00:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 01:34:13 2023
 Response via : Initial Calibration

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

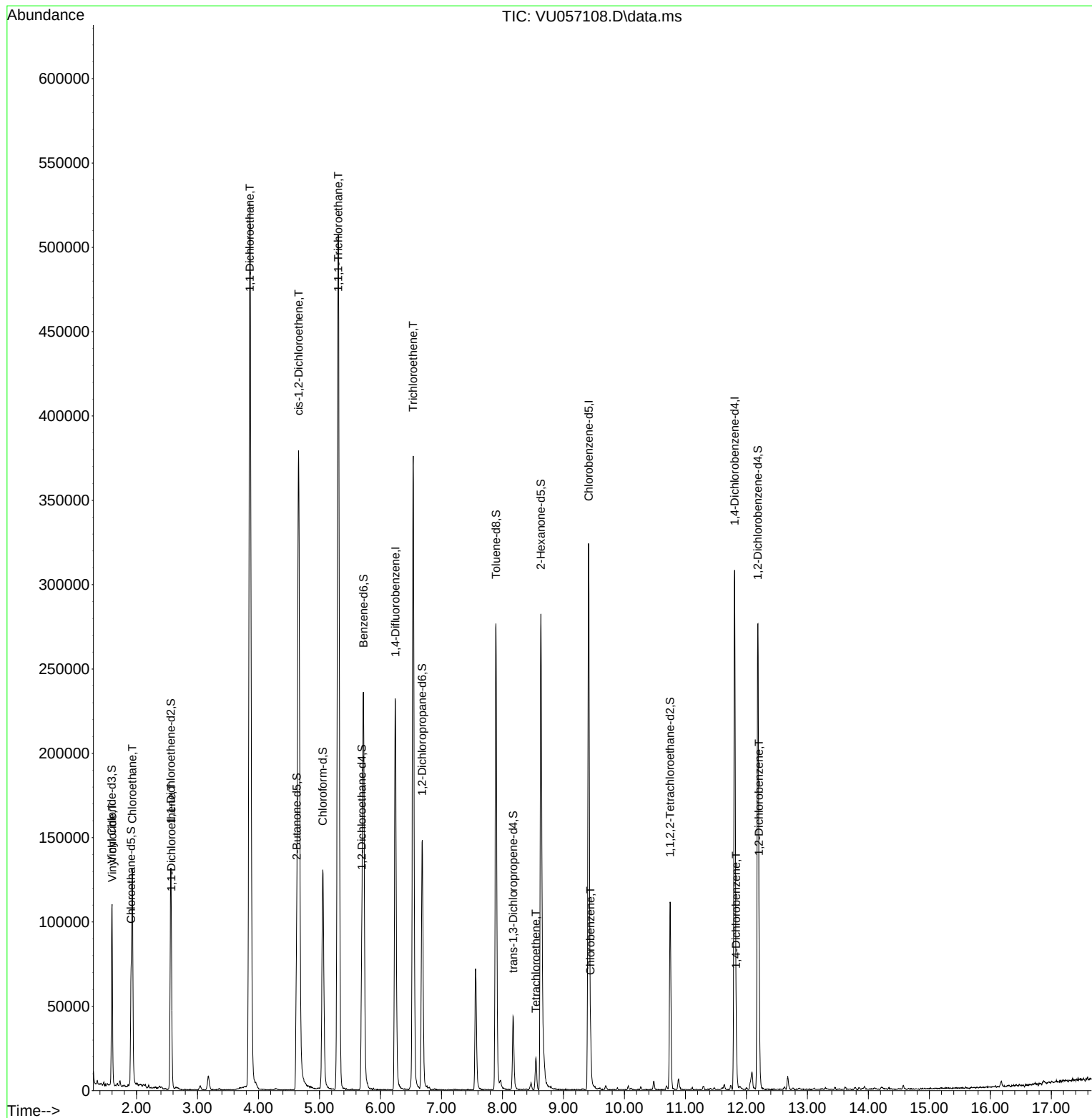
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	187070	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	188465	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	81241	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	53814	3.356	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.200%
7) Chloroethane-d5	1.911	69	48035	4.003	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.563	65	24343	3.548	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.627	46	129957	41.039	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.080%
24) Chloroform-d	5.055	84	123928	4.081	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.695	65	63066	4.389	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.721	84	226585	3.876	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
36) 1,2-Dichloropropane-d6	6.685	67	69136	3.779	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.600%
41) Toluene-d8	7.894	98	189574	3.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	8.177	79	26082	3.676	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.631	63	98730	36.893	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.780%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	55195	4.169	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	71272	4.463	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	26214	1.370	ug/L	89
8) Chloroethane	1.930	64	80018	7.136	ug/L	96
12) 1,1-Dichloroethene	2.573	96	3511	0.231	ug/L #	1
19) 1,1-Dichloroethane	3.859	63	603911	20.388	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	186433	11.129	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	385681	14.157	ug/L	98
34) Trichloroethene	6.537	95	136580	7.517	ug/L	98
47) Tetrachloroethene	8.550	164	4160	0.327	ug/L	87
51) Chlorobenzene	9.444	112	13038	0.298	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	7599	0.254	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	16407	0.593	ug/L	98

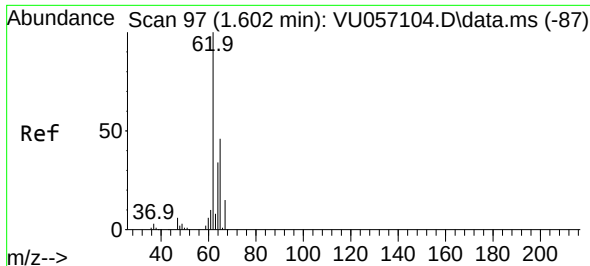
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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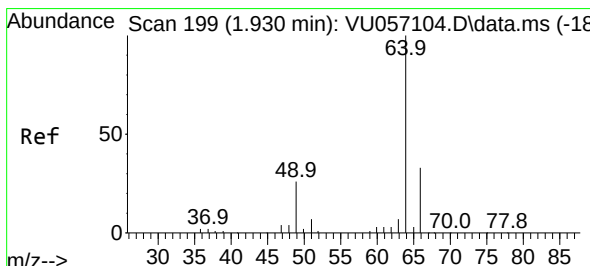
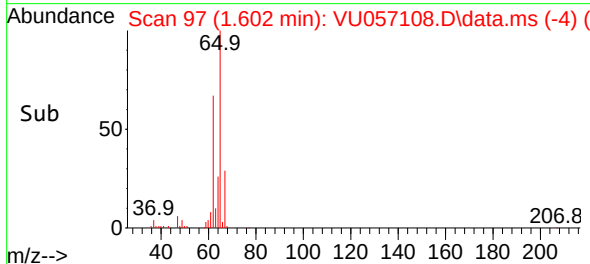
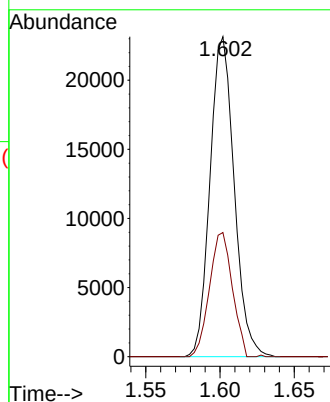
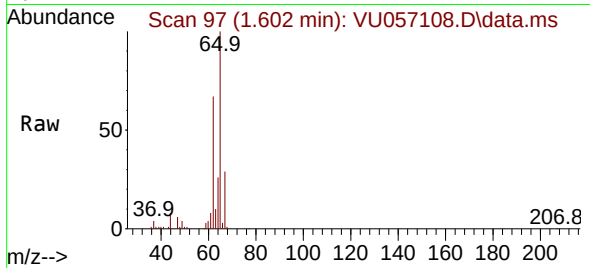




#5
 Vinyl chloride
 Concen: 1.370 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057108.D
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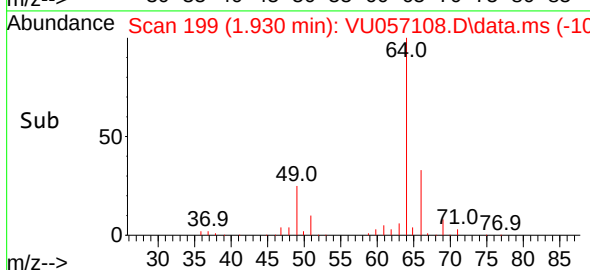
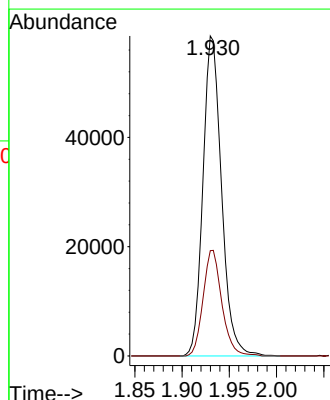
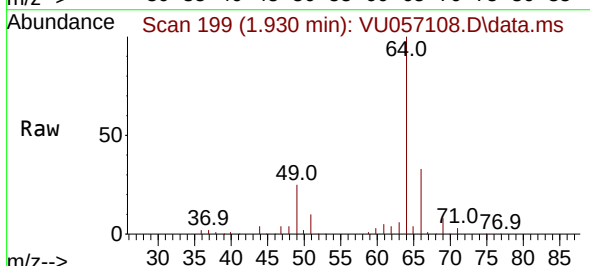
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K5

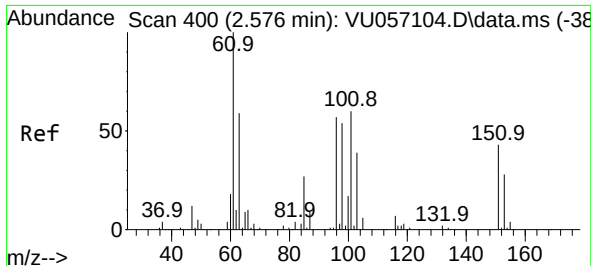
Tgt Ion: 62 Resp: 26214
 Ion Ratio Lower Upper
 62 100
 64 38.8 22.8 42.4



#8
 Chloroethane
 Concen: 7.136 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. -0.000 min
 Lab File: VU057108.D
 Acq: 20 Dec 2023 22:06

Tgt Ion: 64 Resp: 80018
 Ion Ratio Lower Upper
 64 100
 66 32.9 21.4 39.8





#12

1,1-Dichloroethene

Concen: 0.231 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU057108.D

Acq: 20 Dec 2023 22:06

Instrument :

MSVOA_U

ClientSampleId :

BH3K5

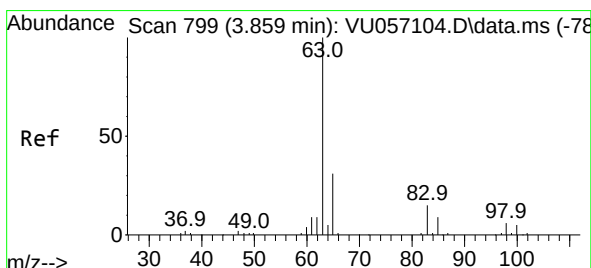
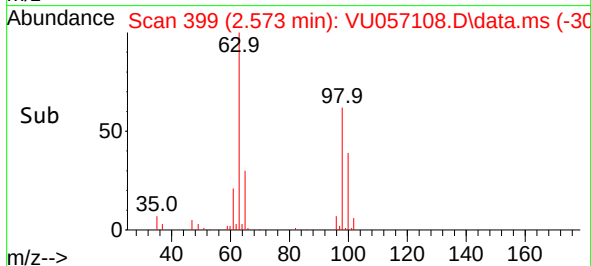
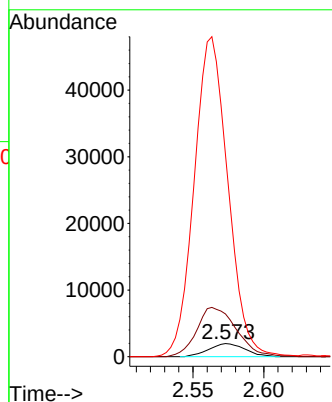
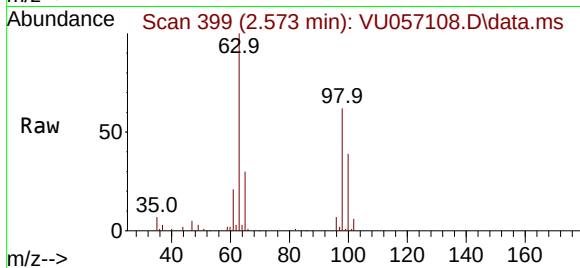
Tgt Ion: 96 Resp: 3511

Ion Ratio Lower Upper

96 100

61 324.0 119.0 221.0#

63 1534.0 88.7 164.7#



#19

1,1-Dichloroethane

Concen: 20.388 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057108.D

Acq: 20 Dec 2023 22:06

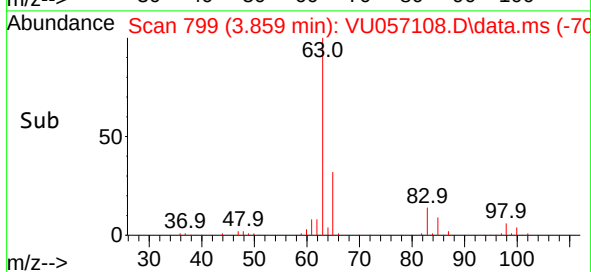
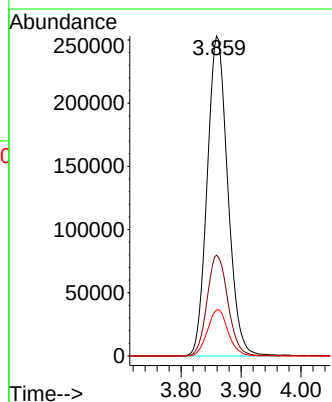
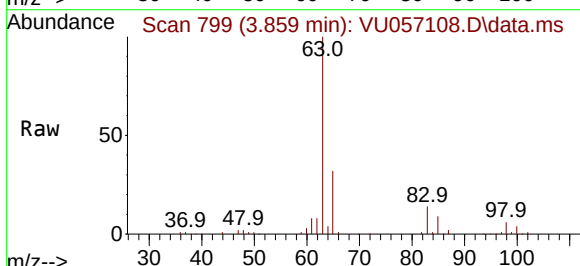
Tgt Ion: 63 Resp: 603911

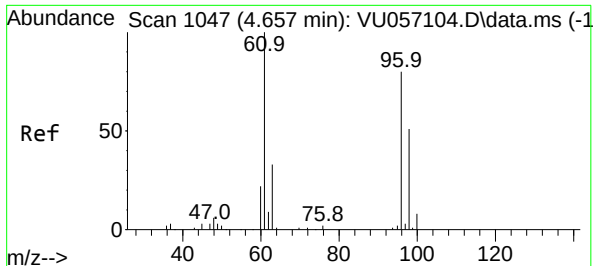
Ion Ratio Lower Upper

63 100

65 31.5 22.9 42.5

83 14.3 10.1 18.9

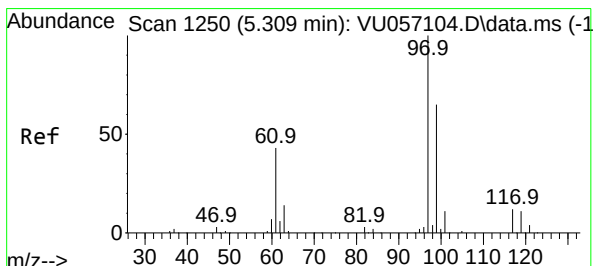
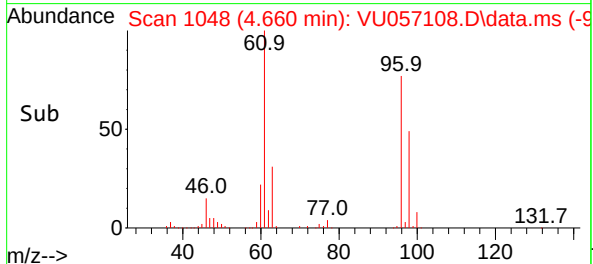
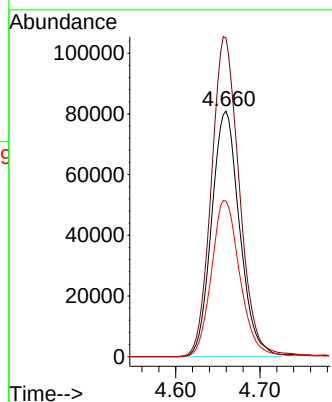
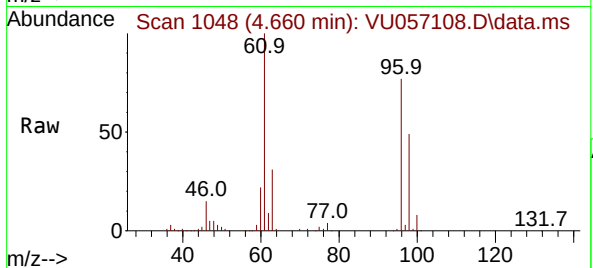




#22
 cis-1,2-Dichloroethene
 Concen: 11.129 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU057108.D
 Acq: 20 Dec 2023 22:06

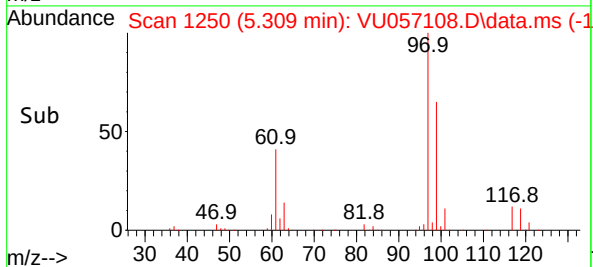
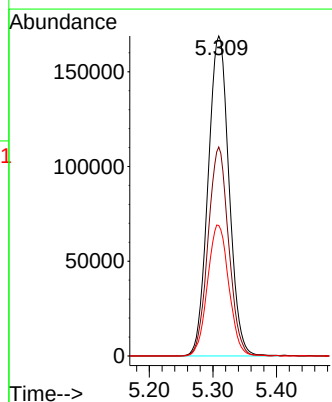
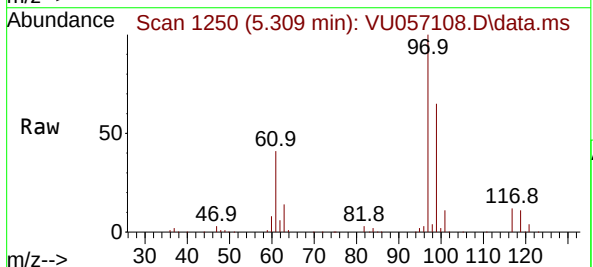
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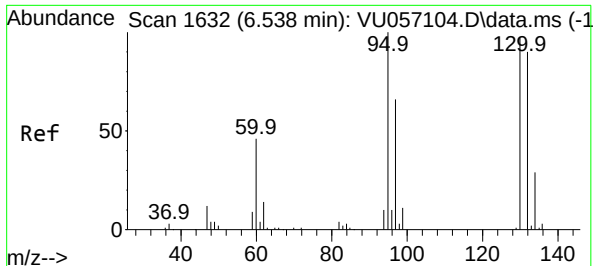
Tgt Ion: 96 Resp: 186433
 Ion Ratio Lower Upper
 96 100
 61 129.9 91.3 169.6
 98 63.4 44.2 82.0



#29
 1,1,1-Trichloroethane
 Concen: 14.157 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU057108.D
 Acq: 20 Dec 2023 22:06

Tgt Ion: 97 Resp: 385681
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.5 78.7
 61 41.6 34.2 51.2

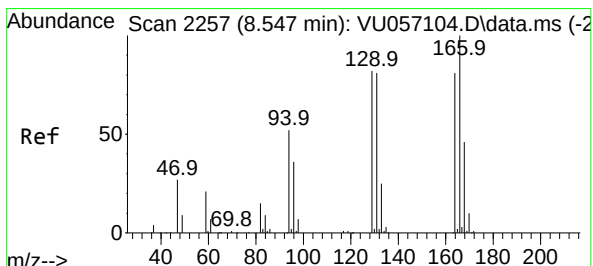
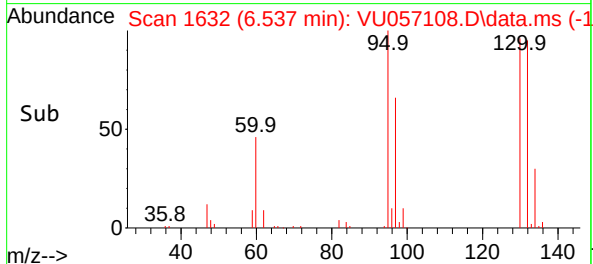
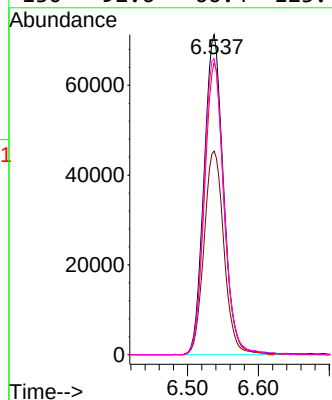
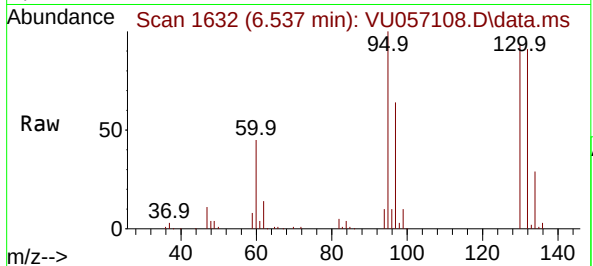




#34
Trichloroethene
Concen: 7.517 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057108.D
Acq: 20 Dec 2023 22:06

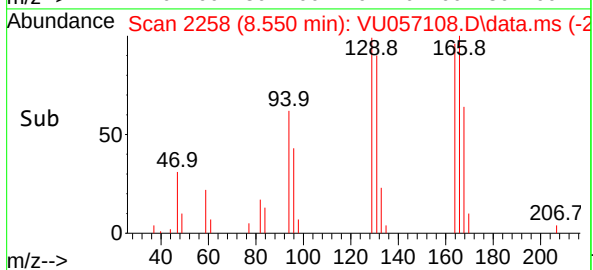
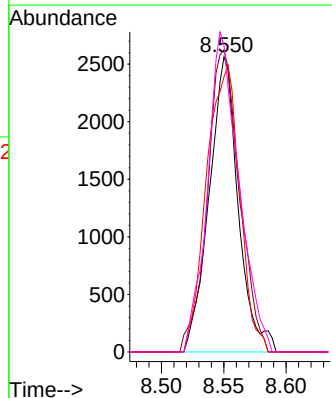
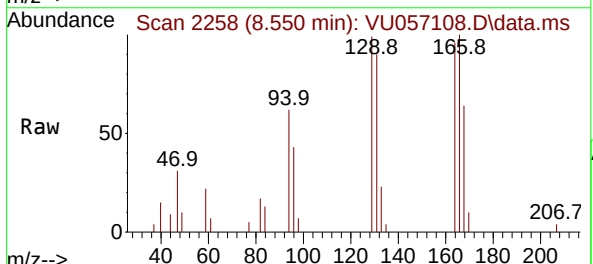
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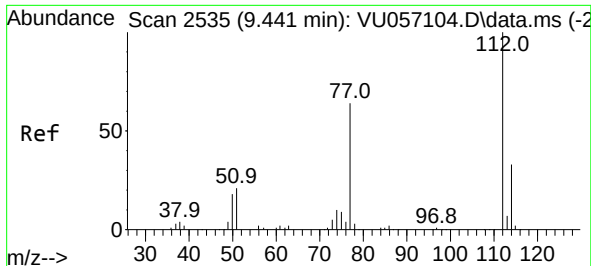
Tgt Ion: 95 Resp: 136580
Ion Ratio Lower Upper
95 100
97 63.6 46.1 85.5
132 91.3 63.6 118.0
130 92.6 66.4 123.4



#47
Tetrachloroethene
Concen: 0.327 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057108.D
Acq: 20 Dec 2023 22:06

Tgt Ion:164 Resp: 4160
Ion Ratio Lower Upper
164 100
129 102.5 73.4 136.4
131 93.3 71.5 132.9
166 103.8 92.7 172.1

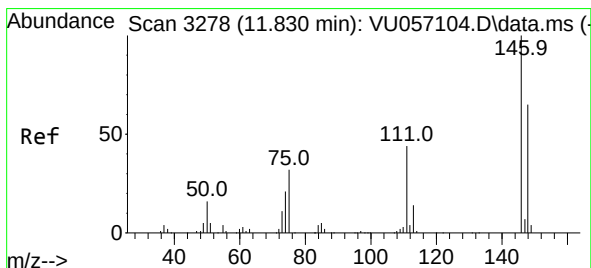
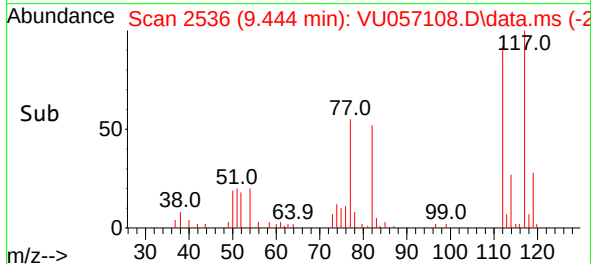
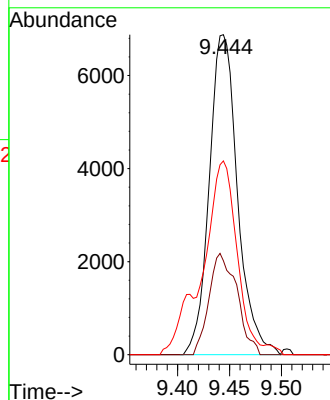
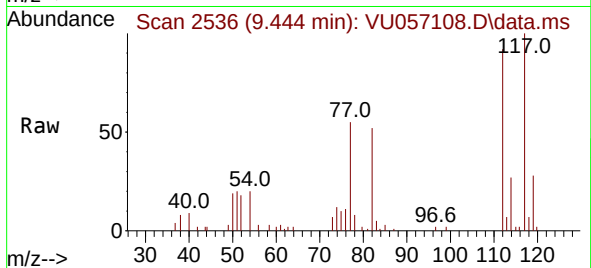




#51
Chlorobenzene
Concen: 0.298 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057108.D
Acq: 20 Dec 2023 22:06

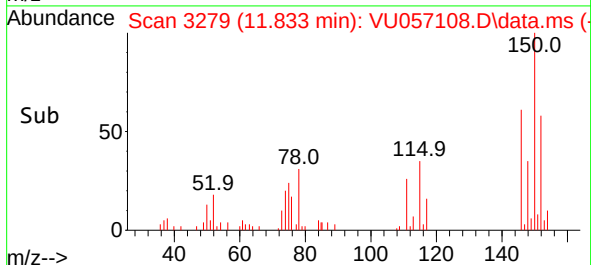
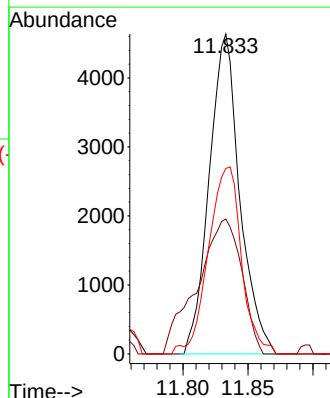
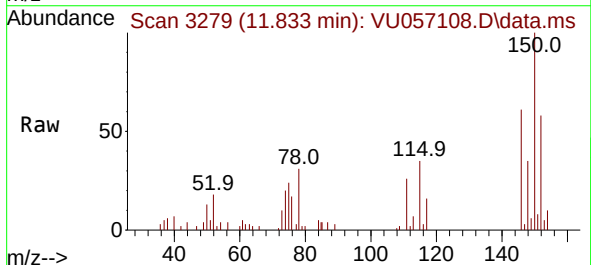
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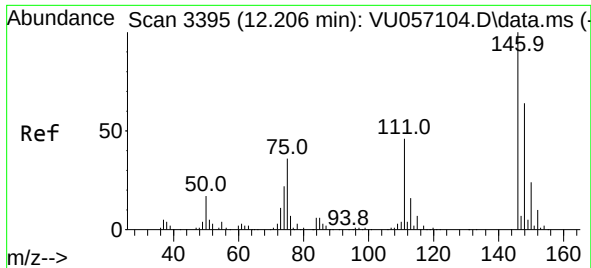
Tgt Ion:112 Resp: 13038
Ion Ratio Lower Upper
112 100
114 29.4 21.9 40.7
77 60.5 51.6 77.4



#65
1,4-Dichlorobenzene
Concen: 0.254 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057108.D
Acq: 20 Dec 2023 22:06

Tgt Ion:146 Resp: 7599
Ion Ratio Lower Upper
146 100
111 42.2 31.2 58.0
148 57.9 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 0.593 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057108.D

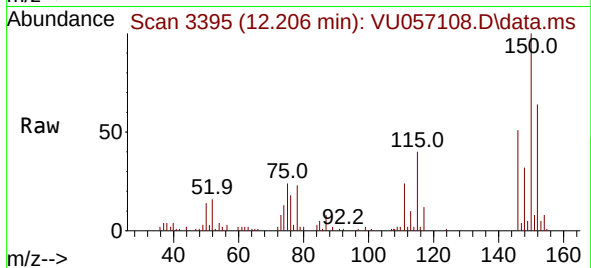
Acq: 20 Dec 2023 22:06

Instrument :

MSVOA_U

ClientSampleId :

BH3K5



Tgt Ion:146 Resp: 16407

Ion Ratio Lower Upper

146 100

111 46.7 36.9 55.3

148 63.4 53.0 79.4

