

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057109.D
 Acq On : 20 Dec 2023 22:31
 Operator : MD/SY
 Sample : 05894-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K3

Quant Time: Dec 21 05:00:33 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)

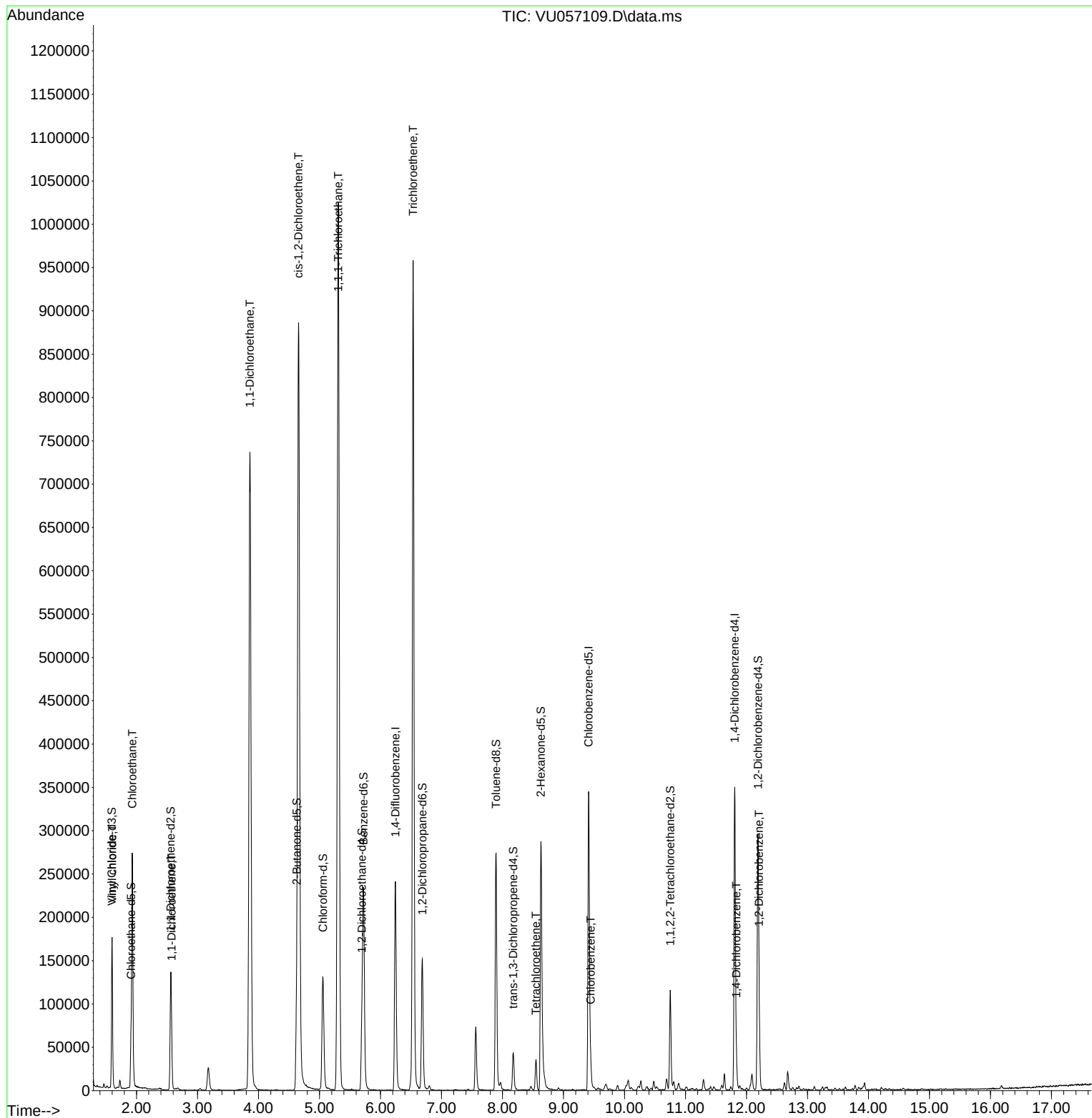
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	193955	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	199753	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	90154	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54327	3.268	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.400%
7) Chloroethane-d5	1.911	69	46340	3.725	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.400%
11) 1,1-Dichloroethene-d2	2.560	65	24849	3.493	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.628	46	126660	38.578	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.160%
24) Chloroform-d	5.055	84	128576	4.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.695	65	63244	4.245	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	5.721	84	228265	3.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.600%
36) 1,2-Dichloropropane-d6	6.685	67	70304	3.625	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.600%
41) Toluene-d8	7.894	98	191503	3.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.200%#
43) trans-1,3-Dichloroprop...	8.177	79	26661	3.545	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.000%
46) 2-Hexanone-d5	8.631	63	99429	35.054	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.100%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	55203	3.934	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	72023	4.064	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	74897	3.774	ug/L	99
8) Chloroethane	1.930	64	174940	15.048	ug/L	97
12) 1,1-Dichloroethene	2.573	96	7273	0.462	ug/L #	1
19) 1,1-Dichloroethane	3.859	63	840741	27.376	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	460556	26.516	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	773344	26.783	ug/L	98
34) Trichloroethene	6.534	95	332455	17.264	ug/L	99
47) Tetrachloroethene	8.547	164	7480	0.555	ug/L	96
51) Chlorobenzene	9.444	112	15672	0.339	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	11405	0.344	ug/L	85
67) 1,2-Dichlorobenzene	12.206	146	25956	0.846	ug/L	98

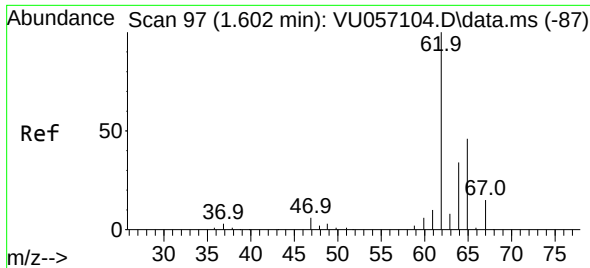
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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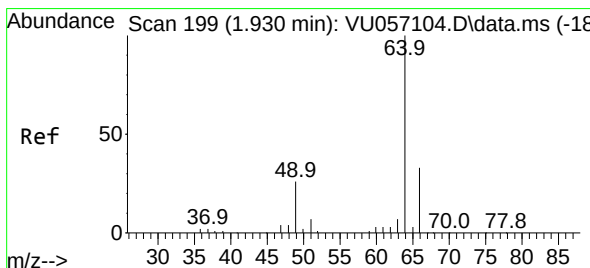
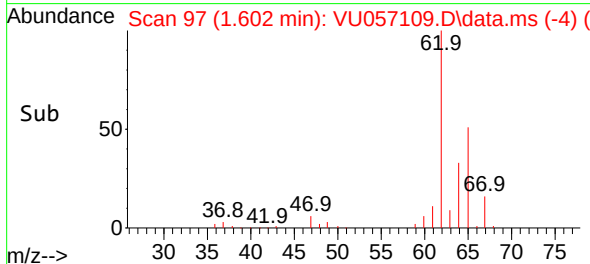
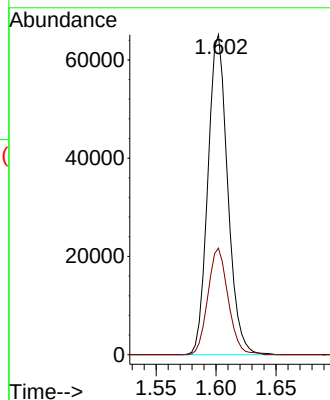
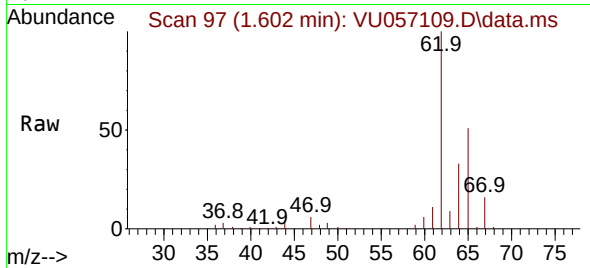




#5
Vinyl chloride
Concen: 3.774 ug/L
RT: 1.602 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU057109.D
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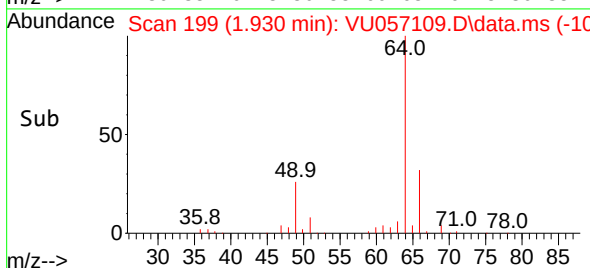
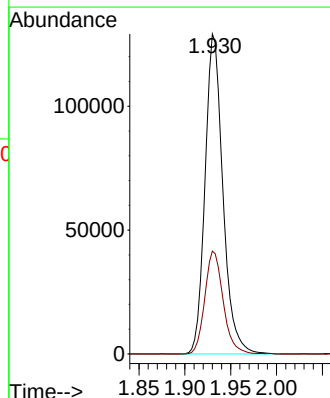
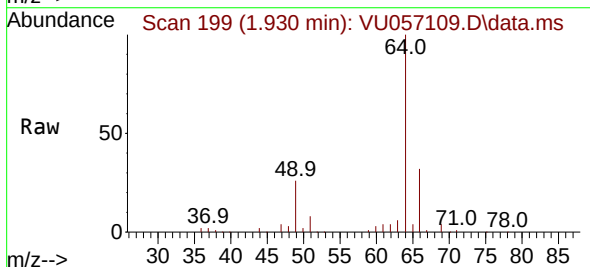
Instrument :
MSVOA_U
ClientSampleId :
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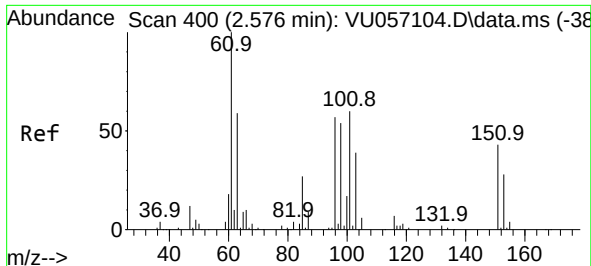
Tgt Ion: 62 Resp: 74897
Ion Ratio Lower Upper
62 100
64 33.3 22.8 42.4



#8
Chloroethane
Concen: 15.048 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU057109.D
Acq: 20 Dec 2023 22:31

Tgt Ion: 64 Resp: 174940
Ion Ratio Lower Upper
64 100
66 32.2 21.4 39.8





#12

1,1-Dichloroethene

Concen: 0.462 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU057109.D

Acq: 20 Dec 2023 22:31

Instrument :

MSVOA_U

ClientSampleId :

BH3K3

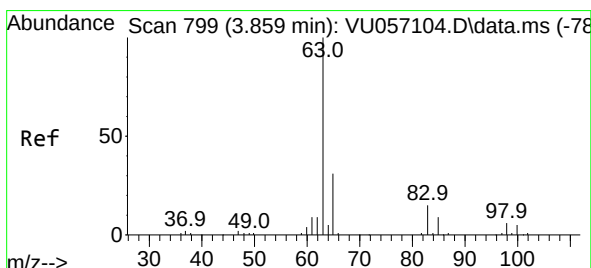
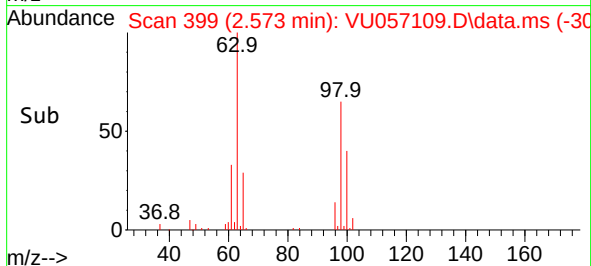
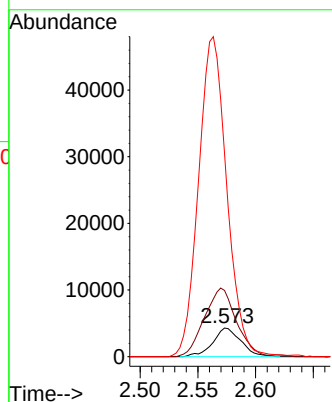
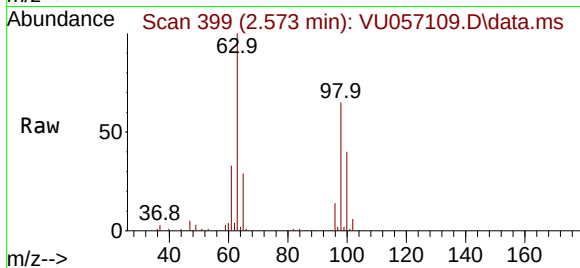
Tgt Ion: 96 Resp: 7273

Ion Ratio Lower Upper

96 100

61 230.9 119.0 221.0#

63 709.5 88.7 164.7#



#19

1,1-Dichloroethane

Concen: 27.376 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057109.D

Acq: 20 Dec 2023 22:31

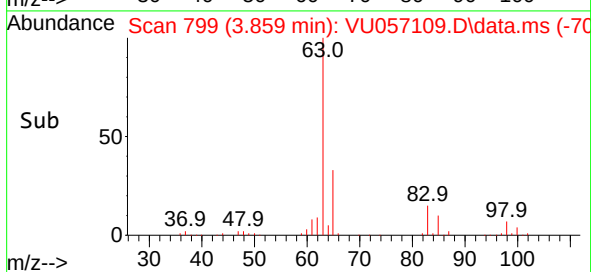
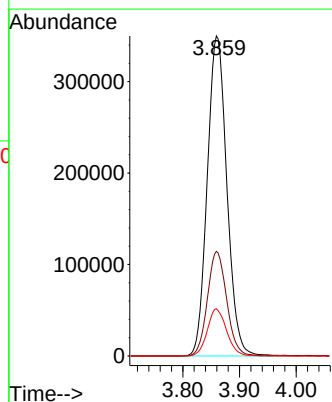
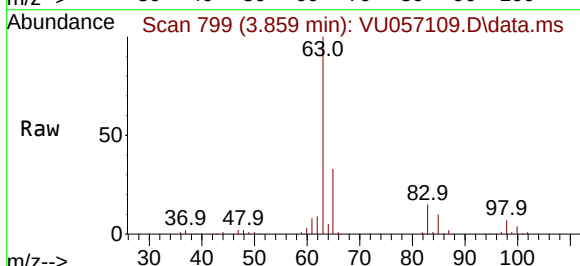
Tgt Ion: 63 Resp: 840741

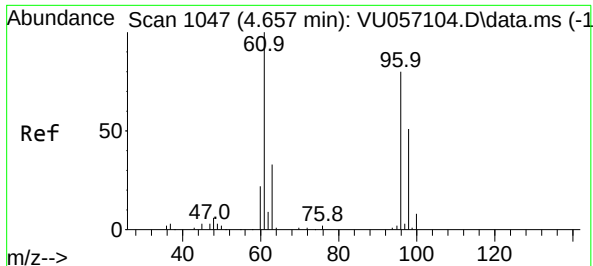
Ion Ratio Lower Upper

63 100

65 32.7 22.9 42.5

83 14.7 10.1 18.9

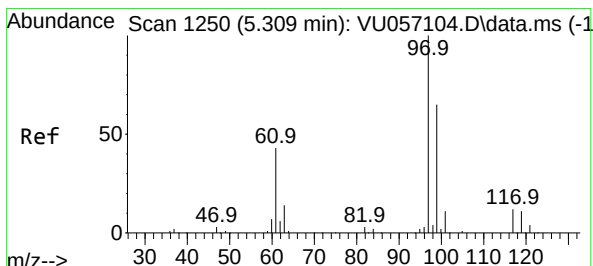
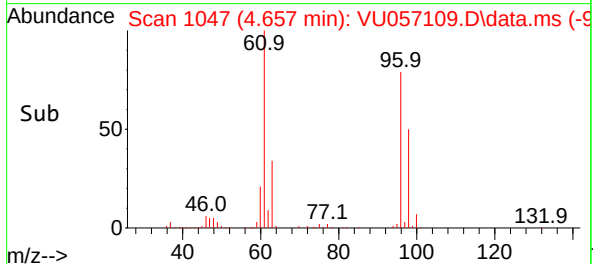
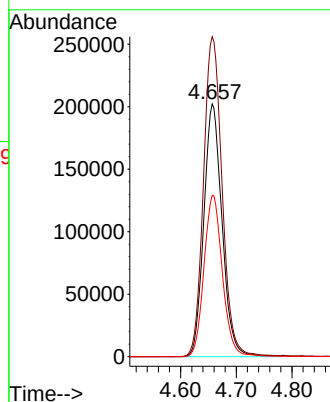
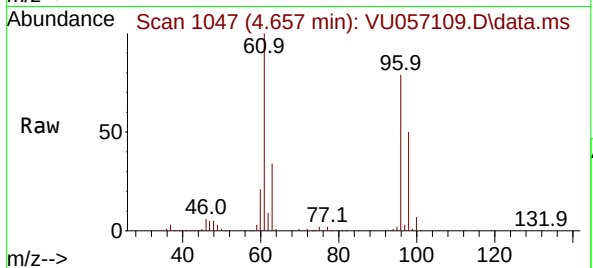




#22
 cis-1,2-Dichloroethene
 Concen: 26.516 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU057109.D
 Acq: 20 Dec 2023 22:31

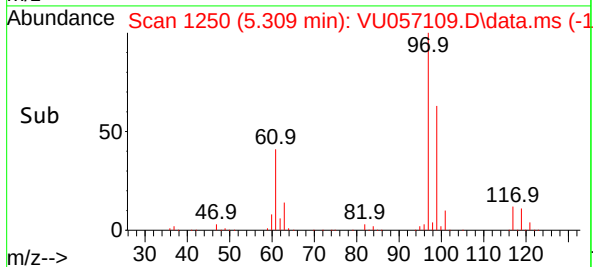
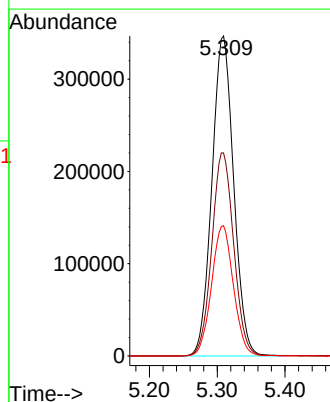
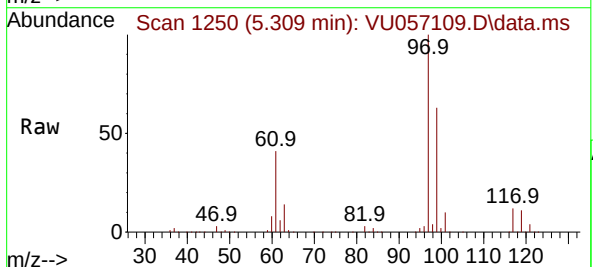
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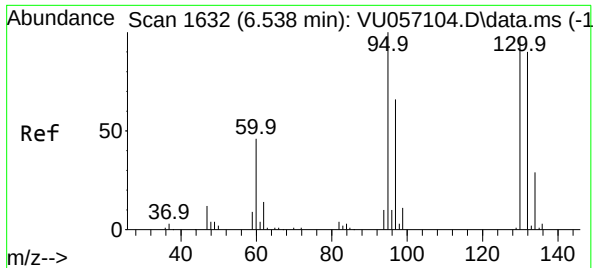
Tgt Ion: 96 Resp: 460556
 Ion Ratio Lower Upper
 96 100
 61 126.6 91.3 169.6
 98 63.8 44.2 82.0



#29
 1,1,1-Trichloroethane
 Concen: 26.783 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU057109.D
 Acq: 20 Dec 2023 22:31

Tgt Ion: 97 Resp: 773344
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.5 78.7
 61 40.9 34.2 51.2

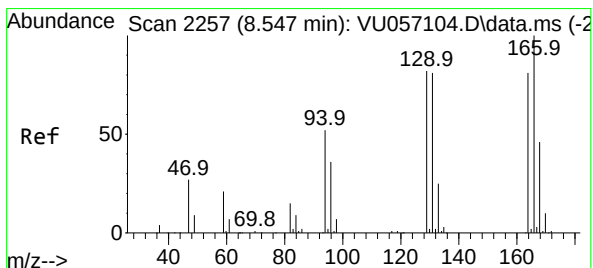
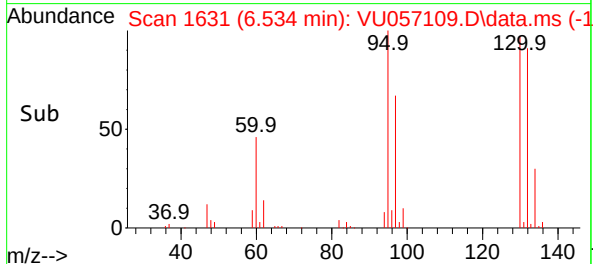
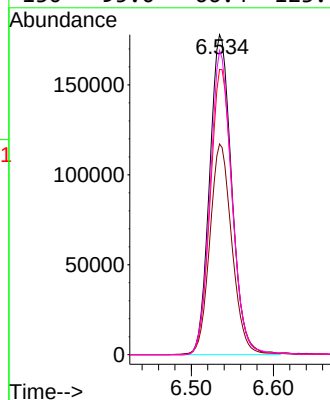
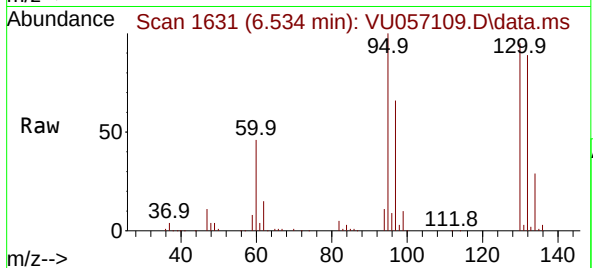




#34
Trichloroethene
Concen: 17.264 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU057109.D
Acq: 20 Dec 2023 22:31

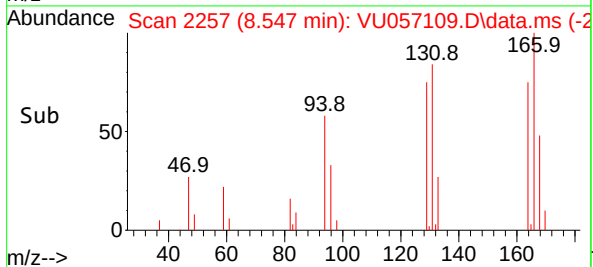
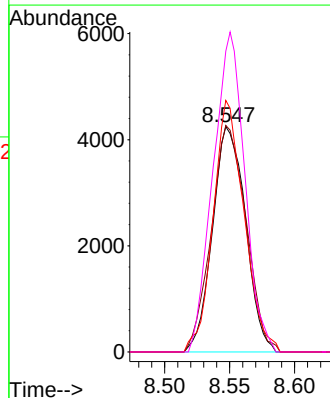
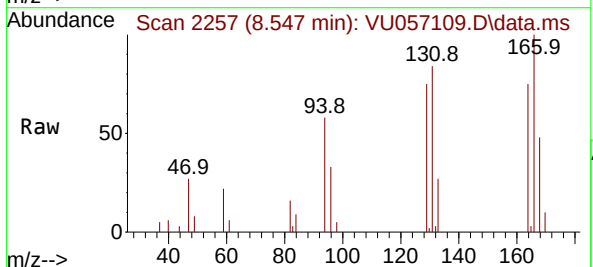
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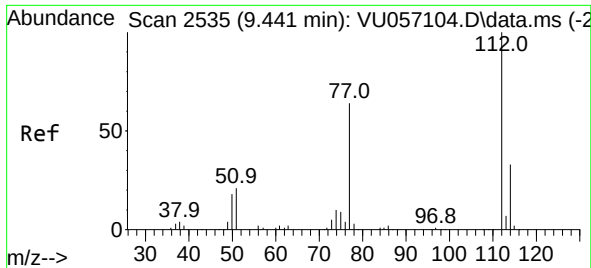
Tgt Ion: 95 Resp: 332455
Ion Ratio Lower Upper
95 100
97 65.8 46.1 85.5
132 89.2 63.6 118.0
130 95.0 66.4 123.4



#47
Tetrachloroethene
Concen: 0.555 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057109.D
Acq: 20 Dec 2023 22:31

Tgt Ion: 164 Resp: 7480
Ion Ratio Lower Upper
164 100
129 100.5 73.4 136.4
131 111.6 71.5 132.9
166 133.5 92.7 172.1

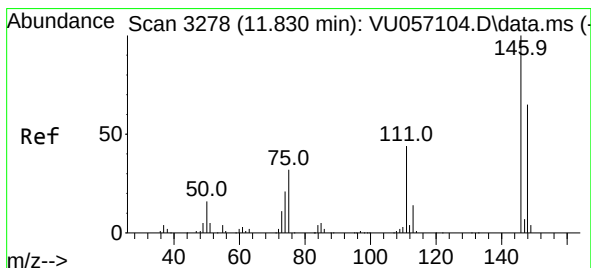
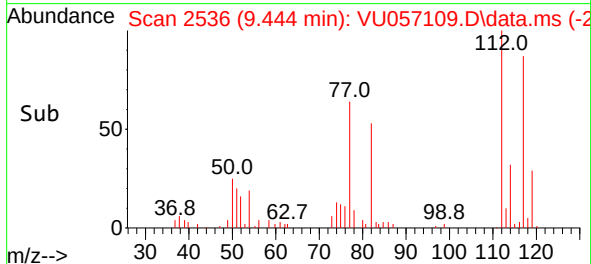
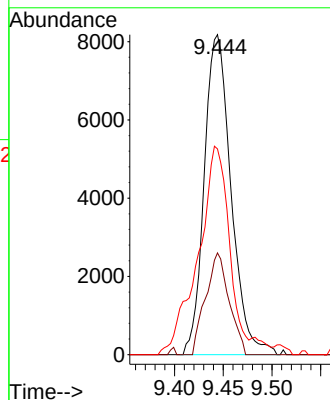
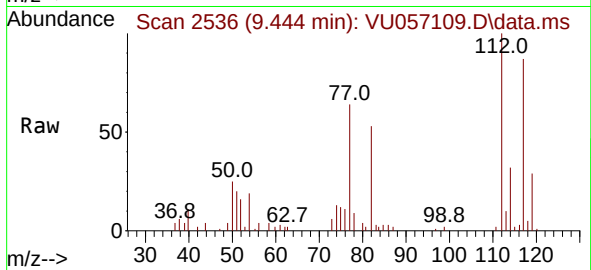




#51
Chlorobenzene
Concen: 0.339 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057109.D
Acq: 20 Dec 2023 22:31

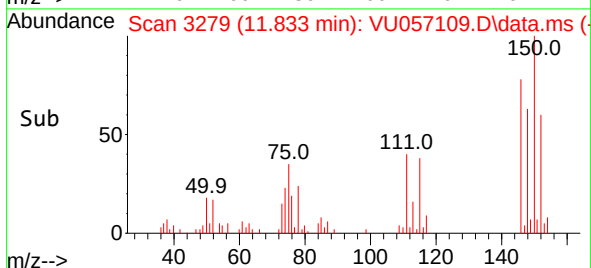
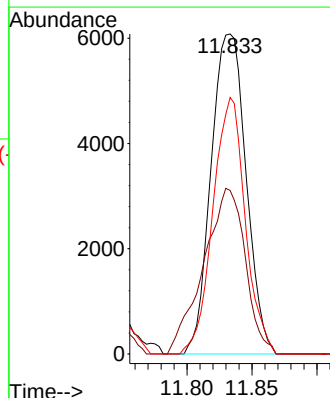
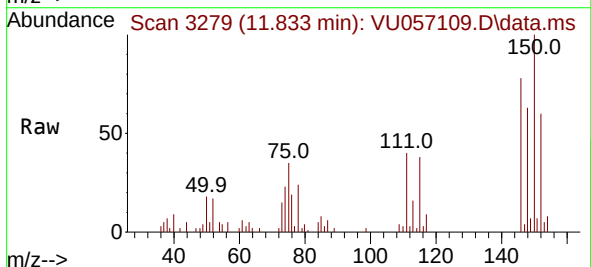
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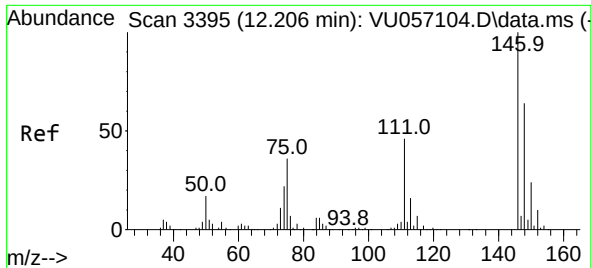
Tgt Ion:112 Resp: 15672
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 64.3 51.6 77.4



#65
1,4-Dichlorobenzene
Concen: 0.344 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057109.D
Acq: 20 Dec 2023 22:31

Tgt Ion:146 Resp: 11405
Ion Ratio Lower Upper
146 100
111 51.1 31.2 58.0
148 80.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 0.846 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057109.D

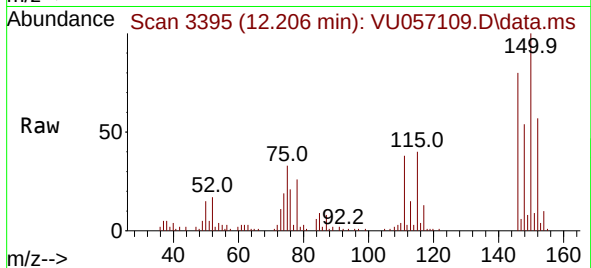
Acq: 20 Dec 2023 22:31

Instrument :

MSVOA_U

ClientSampleId :

BH3K3



Tgt Ion:146 Resp: 25956

Ion Ratio Lower Upper

146 100

111 47.6 36.9 55.3

148 68.0 53.0 79.4

