

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057199.D
 Acq On : 22 Dec 2023 18:58
 Operator : MD/SY
 Sample : 05894-05DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K4DL

Quant Time: Dec 22 22:51:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

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

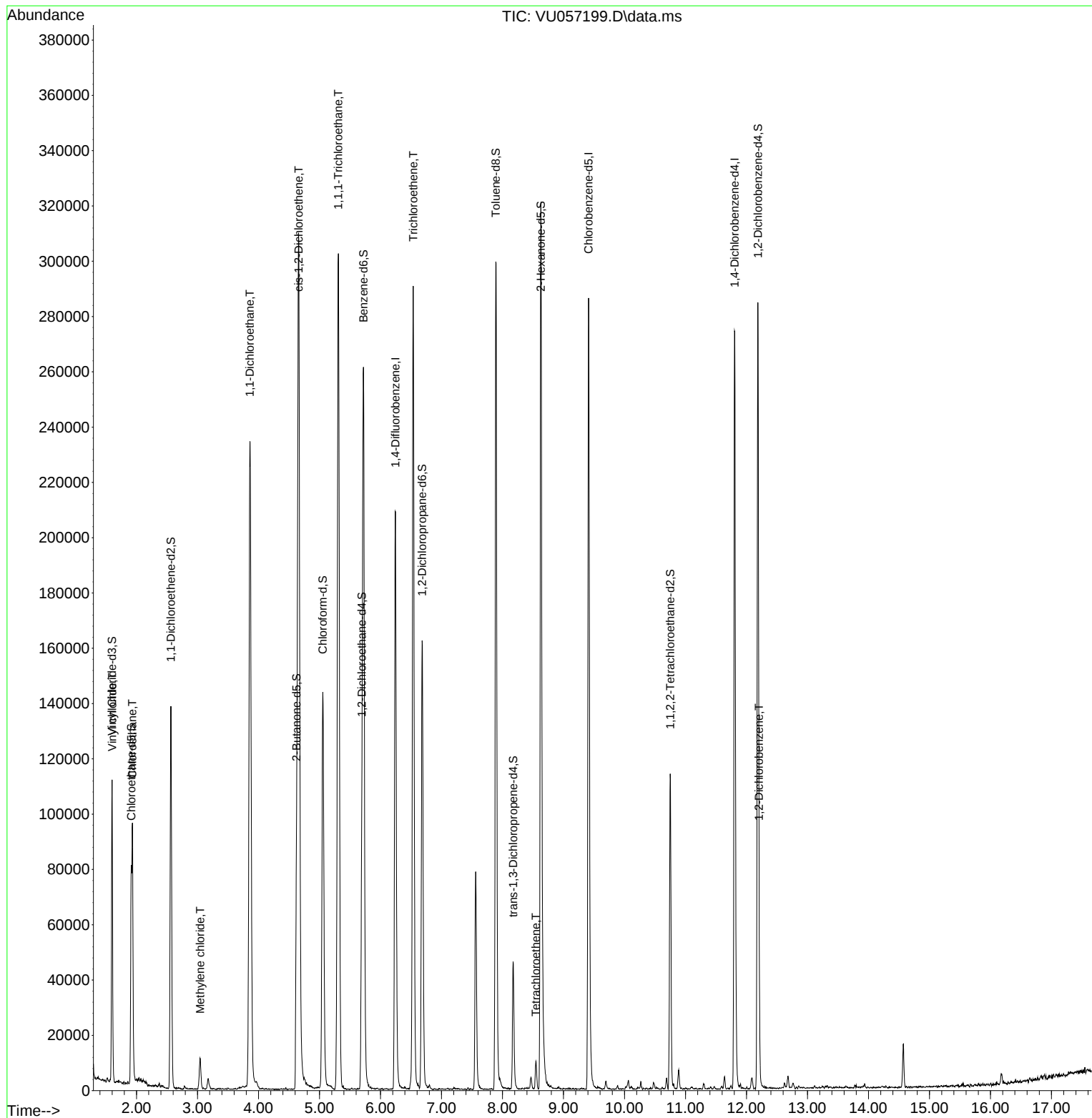
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	168829	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	166400	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73543	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	57626	3.571	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.914	69	54976	4.139	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.563	65	26975	3.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	4.624	46	136628	53.927	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.860%
24) Chloroform-d	5.052	84	137907	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.695	65	69876	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.721	84	251586	4.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.682	67	77734	4.786	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.891	98	204491	3.924	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.174	79	28099	4.156	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.627	63	112001	48.656	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.320%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	56312	4.872	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	73425	4.640	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
5) Vinyl chloride	1.602	62	23451	1.589	ug/L	97
8) Chloroethane	1.933	64	57120	6.096	ug/L	96
16) Methylene chloride	3.042	84	5913	0.403	ug/L	85
19) 1,1-Dichloroethane	3.859	63	269494	11.033	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	151737	11.194	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	229326	8.672	ug/L	99
34) Trichloroethene	6.537	95	105298	6.826	ug/L	97
47) Tetrachloroethene	8.547	164	1938	0.175	ug/L #	85
67) 1,2-Dichlorobenzene	12.206	146	7270	0.317	ug/L #	83

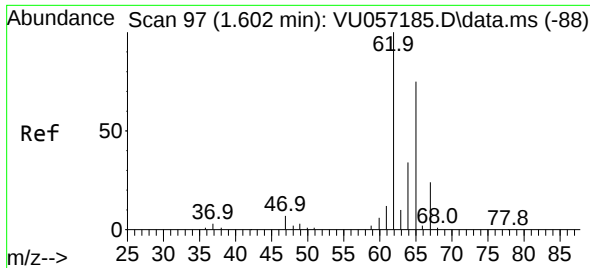
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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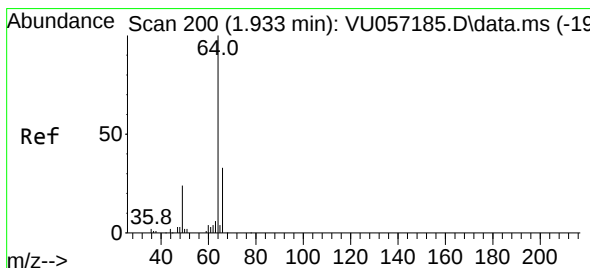
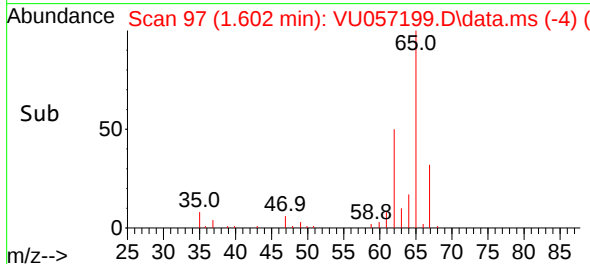
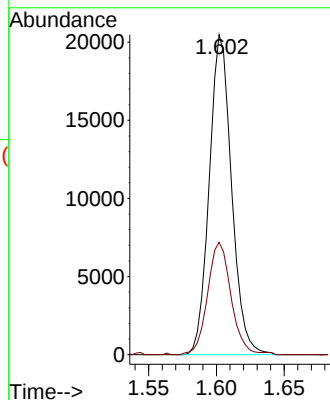
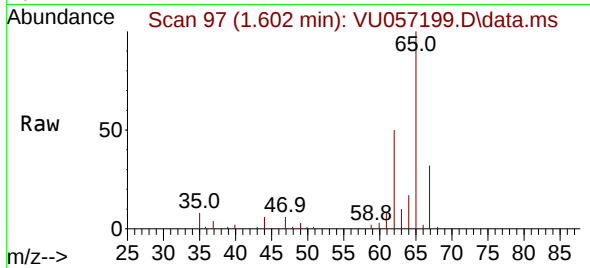




#5
 Vinyl chloride
 Concen: 1.589 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057199.D
 Acq: 22 Dec 2023 18:58

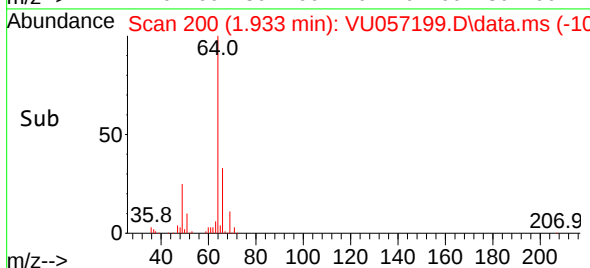
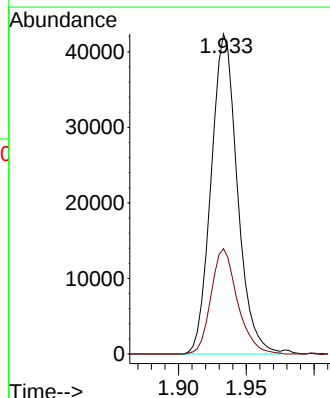
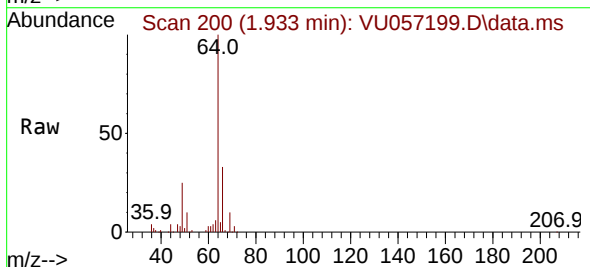
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K4DL

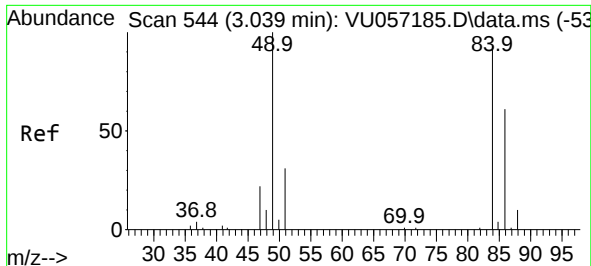
Tgt Ion: 62 Resp: 23451
 Ion Ratio Lower Upper
 62 100
 64 35.1 23.3 43.3



#8
 Chloroethane
 Concen: 6.096 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. -0.000 min
 Lab File: VU057199.D
 Acq: 22 Dec 2023 18:58

Tgt Ion: 64 Resp: 57120
 Ion Ratio Lower Upper
 64 100
 66 32.9 21.6 40.2

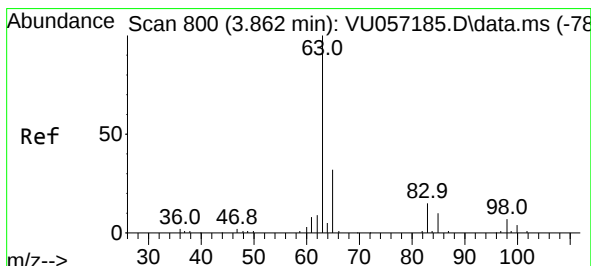
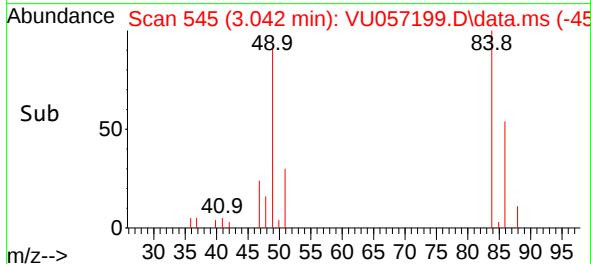
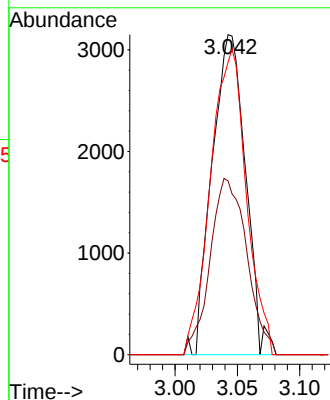
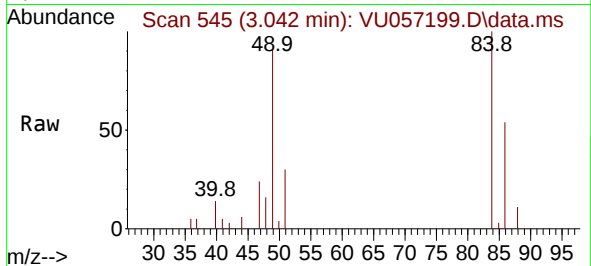




#16
Methylene chloride
Concen: 0.403 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

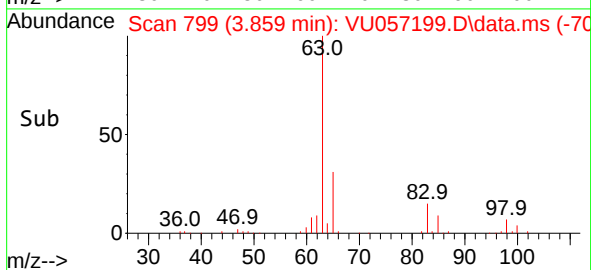
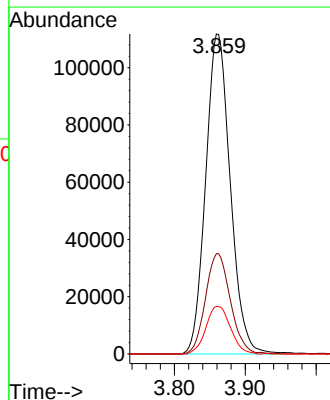
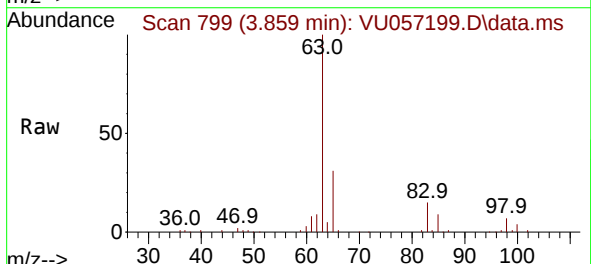
Instrument :
MSVOA_U
ClientSampleId :
BH3K4DL

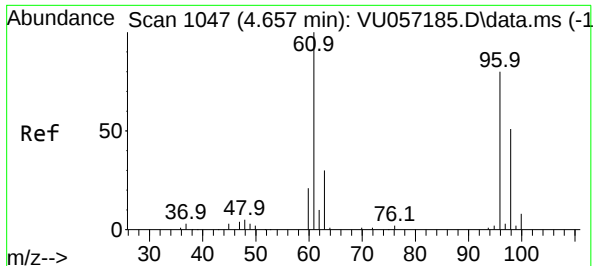
Tgt Ion: 84 Resp: 5913
Ion Ratio Lower Upper
84 100
86 54.3 44.7 82.9
49 91.4 76.0 141.2



#19
1,1-Dichloroethane
Concen: 11.033 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU057199.D
Acq: 22 Dec 2023 18:58

Tgt Ion: 63 Resp: 269494
Ion Ratio Lower Upper
63 100
65 31.3 21.6 40.2
83 14.8 10.2 19.0

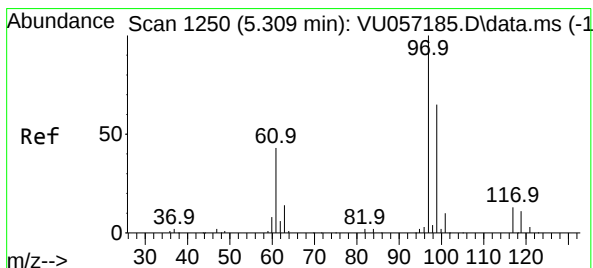
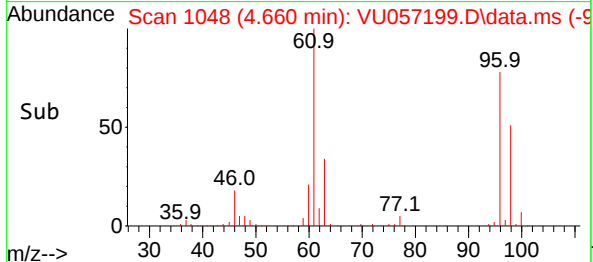
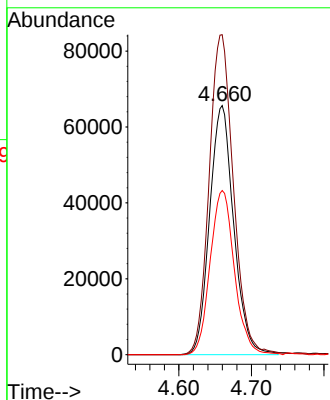
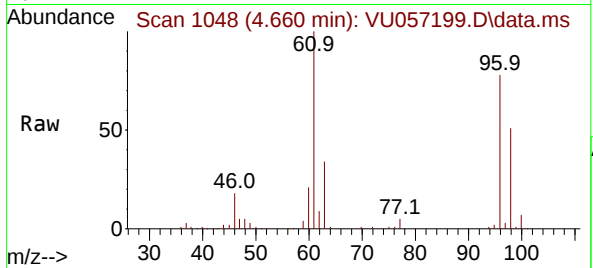




#22
 cis-1,2-Dichloroethene
 Concen: 11.194 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU057199.D
 Acq: 22 Dec 2023 18:58

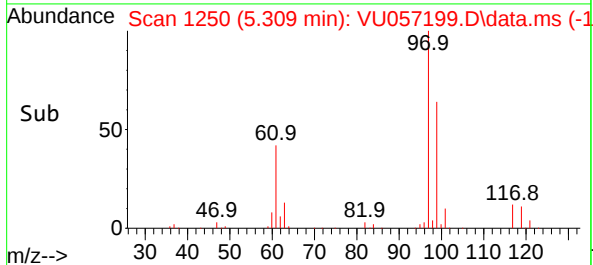
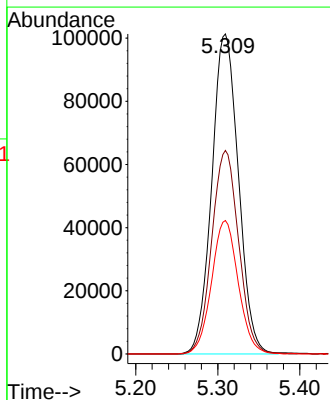
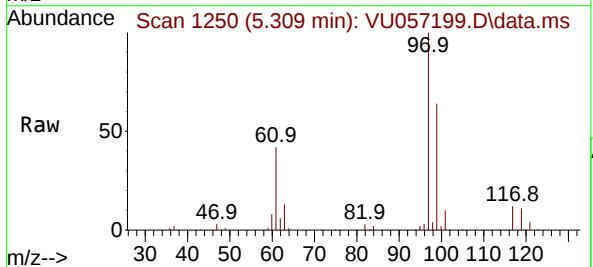
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K4DL

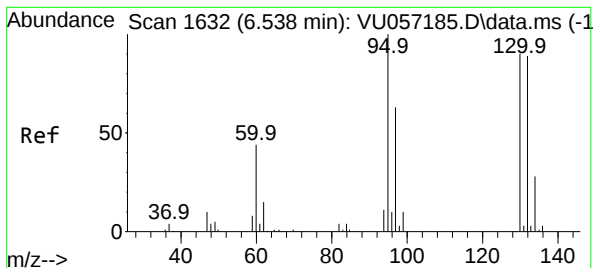
Tgt Ion: 96 Resp: 151737
 Ion Ratio Lower Upper
 96 100
 61 128.4 86.8 161.2
 98 65.9 45.5 84.5



#29
 1,1,1-Trichloroethane
 Concen: 8.672 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU057199.D
 Acq: 22 Dec 2023 18:58

Tgt Ion: 97 Resp: 229326
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.2 76.8
 61 41.8 32.5 48.7





#34

Trichloroethene

Concen: 6.826 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057199.D

Acq: 22 Dec 2023 18:58

Instrument :

MSVOA_U

ClientSampleId :

BH3K4DL

Tgt Ion: 95 Resp: 105298

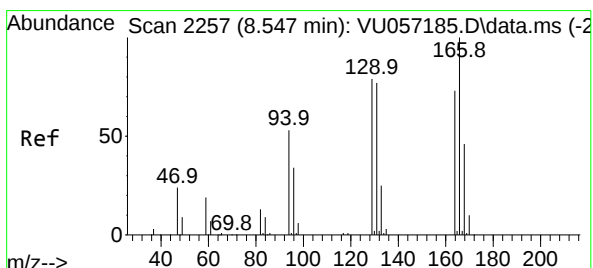
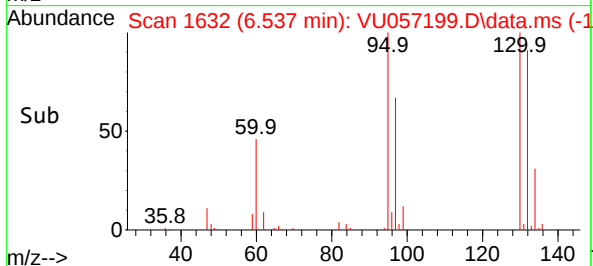
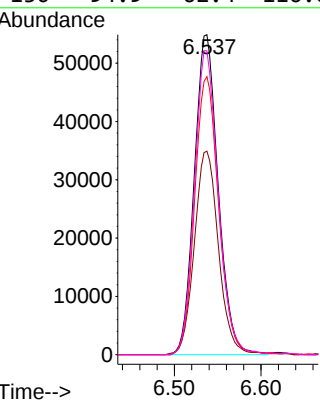
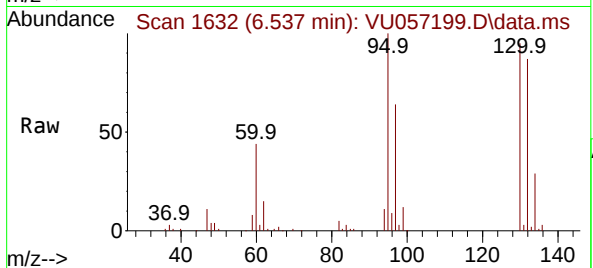
Ion Ratio Lower Upper

95 100

97 63.6 44.3 82.3

132 86.9 62.6 116.2

130 94.9 62.4 116.0



#47

Tetrachloroethene

Concen: 0.175 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU057199.D

Acq: 22 Dec 2023 18:58

Tgt Ion: 164 Resp: 1938

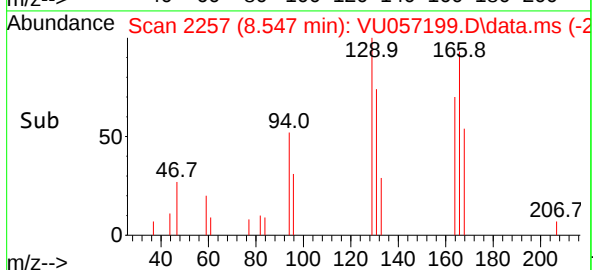
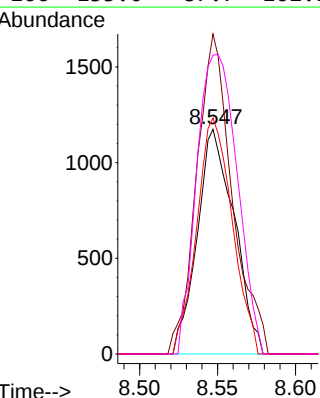
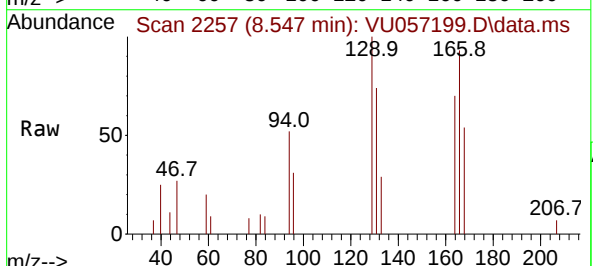
Ion Ratio Lower Upper

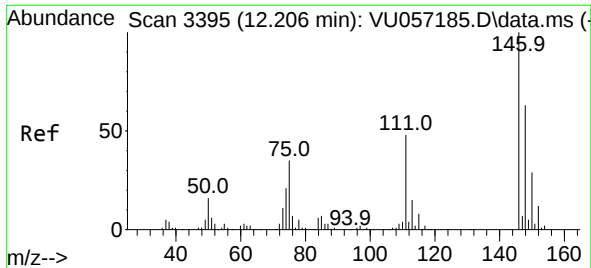
164 100

129 142.4 72.9 135.3#

131 105.0 71.7 133.3

166 133.0 87.7 162.9





#67

1,2-Dichlorobenzene

Concen: 0.317 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057199.D

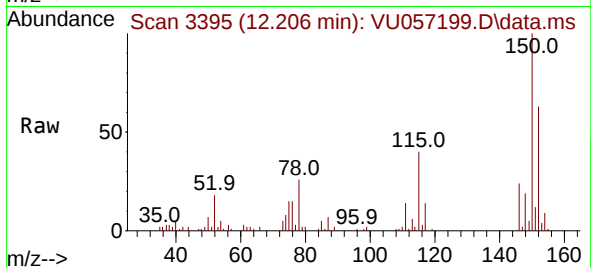
Acq: 22 Dec 2023 18:58

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	146	Resp:	7270
Ion	Ratio	Lower	Upper
146	100		
111	57.4	37.9	56.9#
148	77.1	50.1	75.1#

