

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057198.D
 Acq On : 22 Dec 2023 18:34
 Operator : MD/SY
 Sample : 05894-04DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K3DL

Quant Time: Dec 22 22:50:42 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)

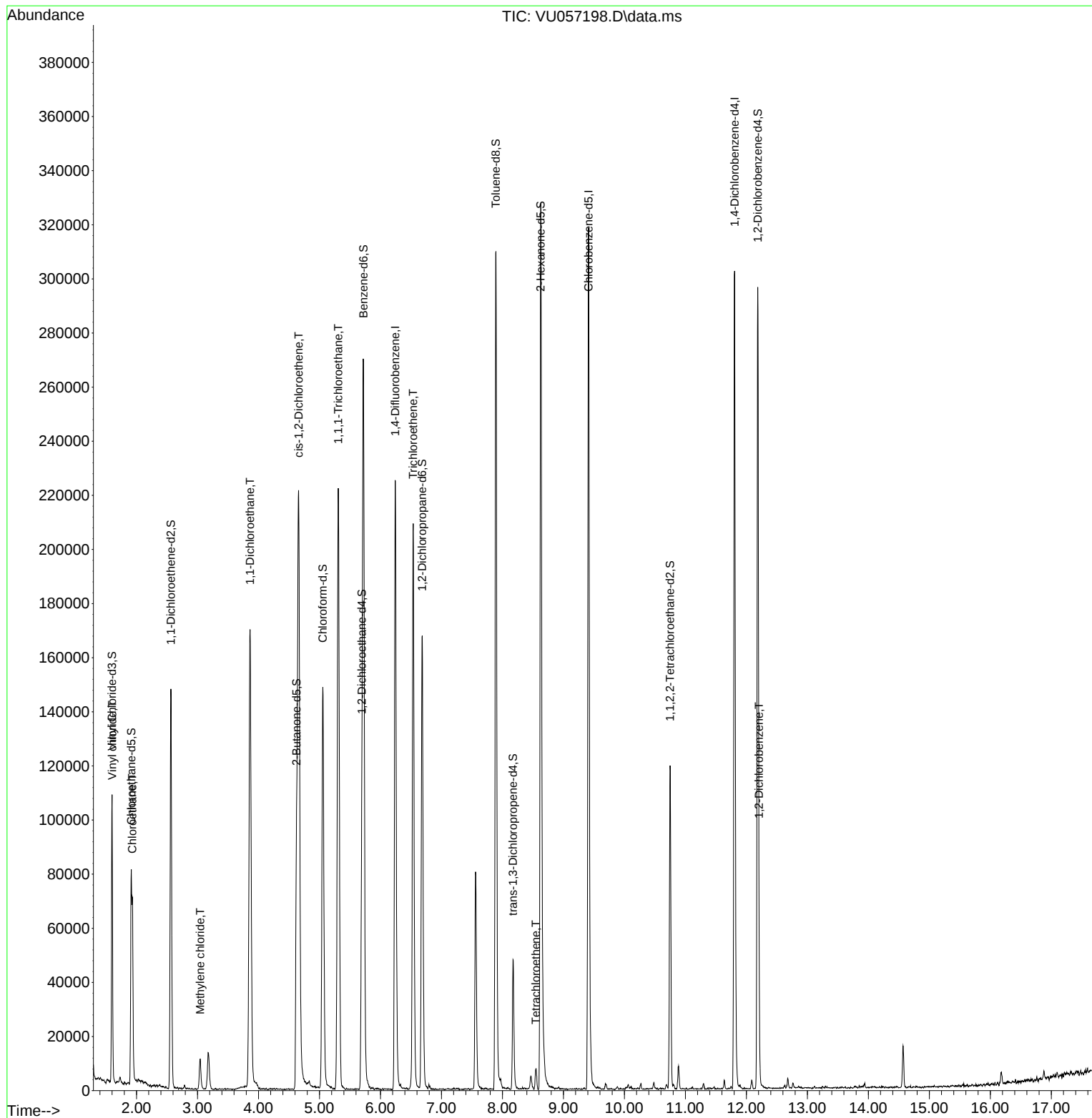
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	180122	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	178294	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	79627	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	63263	3.675	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.914	69	56985	4.021	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.563	65	29236	3.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.624	46	139211	51.501	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.000%
24) Chloroform-d	5.055	84	142758	4.294	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.695	65	71131	4.489	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
32) Benzene-d6	5.721	84	260337	4.257	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.685	67	79630	4.576	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.891	98	214772	3.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	8.174	79	28925	3.993	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.627	63	114040	46.237	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.480%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	59291	4.788	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	77896	4.546	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	15995	1.016	ug/L	98
8) Chloroethane	1.933	64	40407	4.042	ug/L	97
16) Methylene chloride	3.042	84	5608	0.358	ug/L	98
19) 1,1-Dichloroethane	3.862	63	193990	7.444	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	105281	7.280	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	171334	6.047	ug/L	99
34) Trichloroethene	6.537	95	74851	4.529	ug/L	98
47) Tetrachloroethene	8.550	164	1792	0.151	ug/L	92
67) 1,2-Dichlorobenzene	12.206	146	5991	0.241	ug/L	94

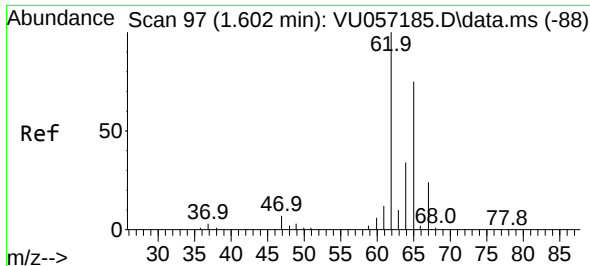
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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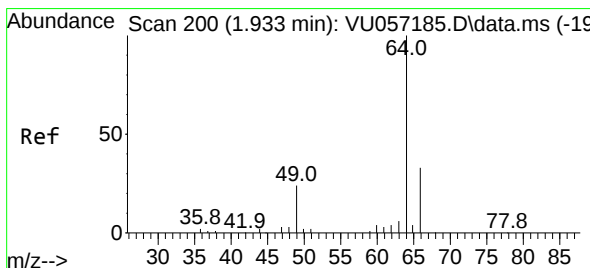
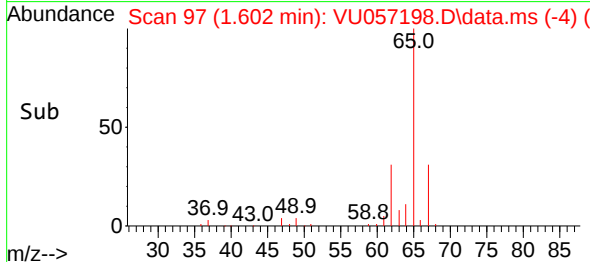
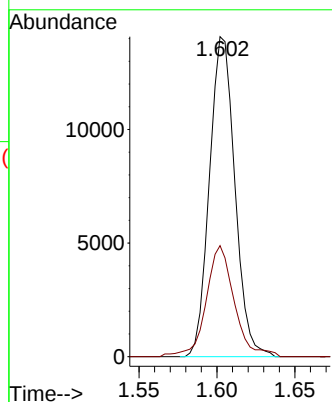
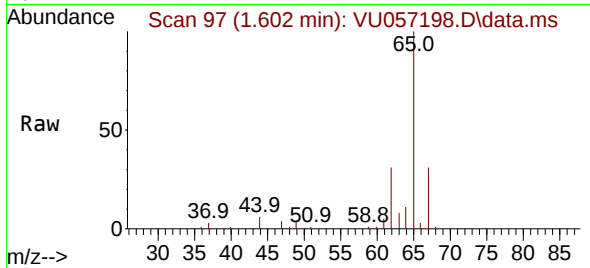




#5
 Vinyl chloride
 Concen: 1.016 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057198.D
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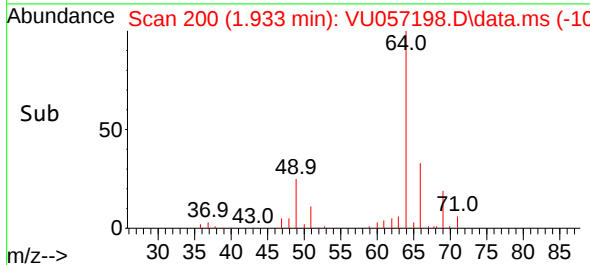
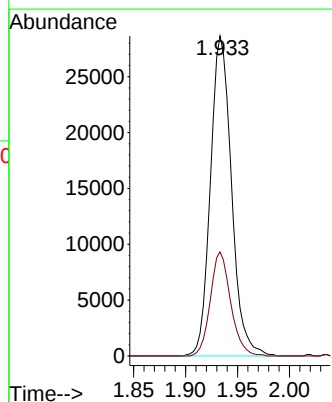
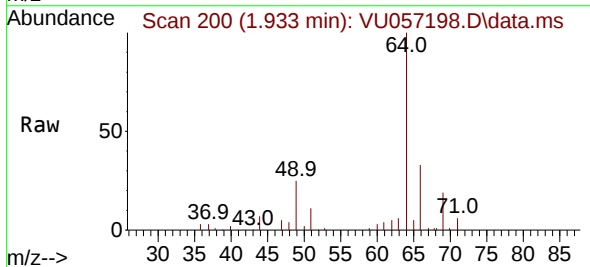
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K3DL

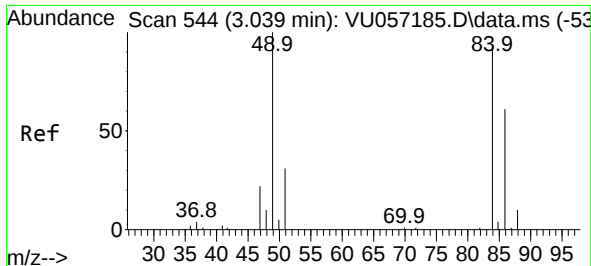
Tgt Ion: 62 Resp: 15995
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.3 43.3



#8
 Chloroethane
 Concen: 4.042 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. -0.000 min
 Lab File: VU057198.D
 Acq: 22 Dec 2023 18:34

Tgt Ion: 64 Resp: 40407
 Ion Ratio Lower Upper
 64 100
 66 32.5 21.6 40.2

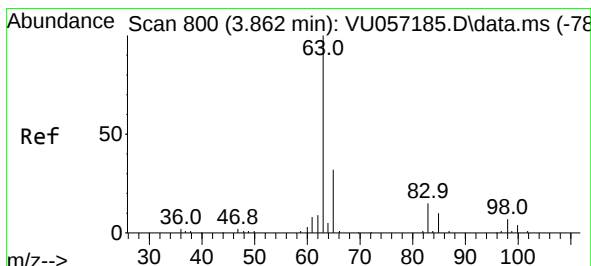
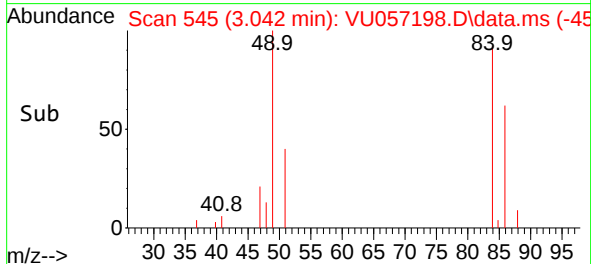
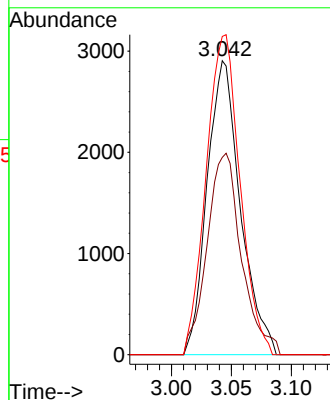
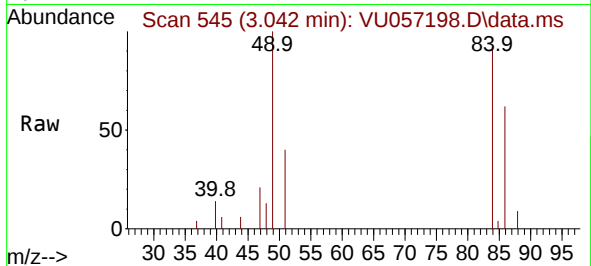




#16
Methylene chloride
Concen: 0.358 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU057198.D
Acq: 22 Dec 2023 18:34

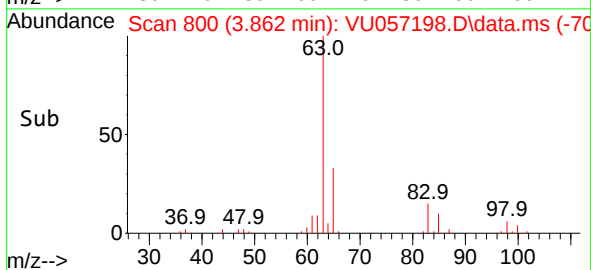
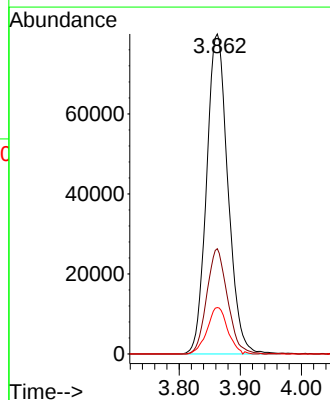
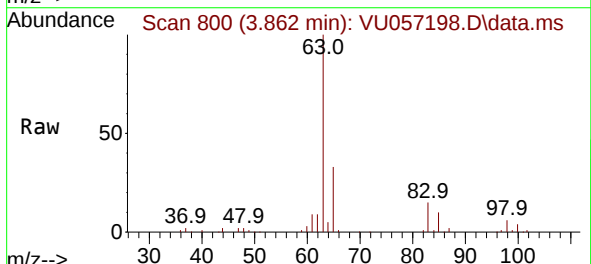
Instrument :
MSVOA_U
ClientSampleId :
BH3K3DL

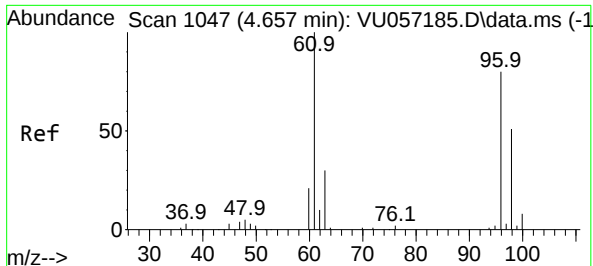
Tgt Ion: 84 Resp: 5608
Ion Ratio Lower Upper
84 100
86 67.1 44.7 82.9
49 108.3 76.0 141.2



#19
1,1-Dichloroethane
Concen: 7.444 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU057198.D
Acq: 22 Dec 2023 18:34

Tgt Ion: 63 Resp: 193990
Ion Ratio Lower Upper
63 100
65 32.9 21.6 40.2
83 14.5 10.2 19.0

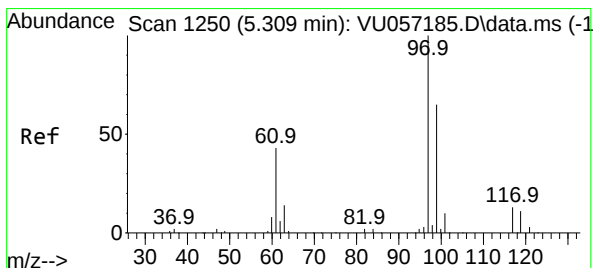
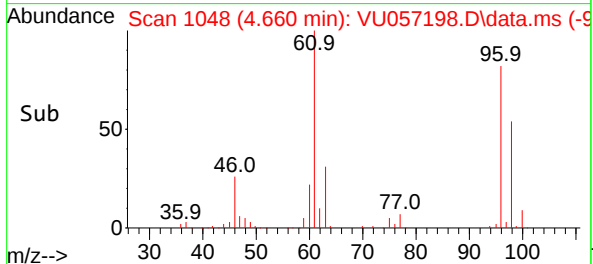
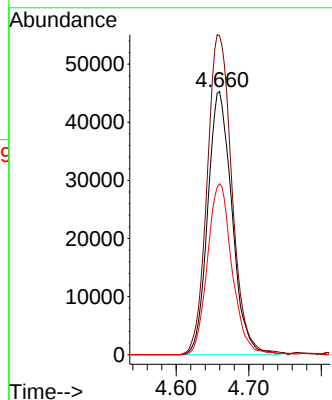
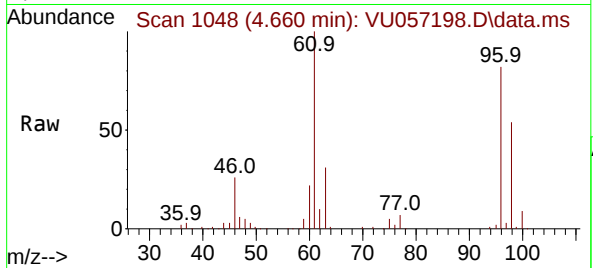




#22
 cis-1,2-Dichloroethene
 Concen: 7.280 ug/L
 RT: 4.660 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU057198.D
 Acq: 22 Dec 2023 18:34

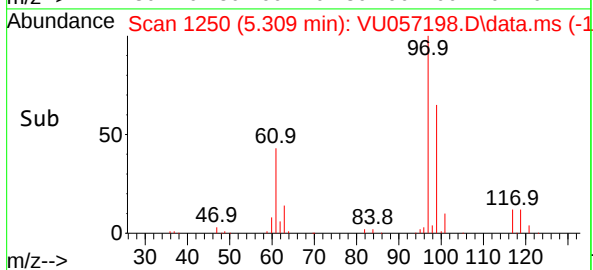
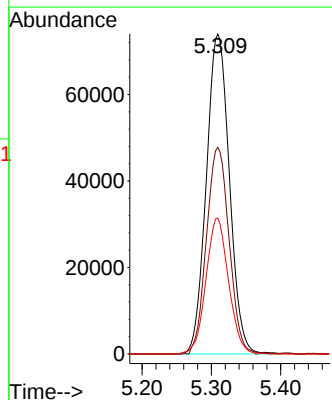
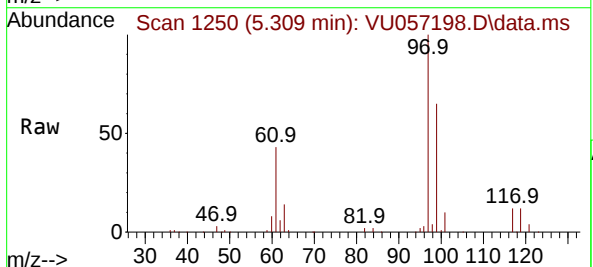
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K3DL

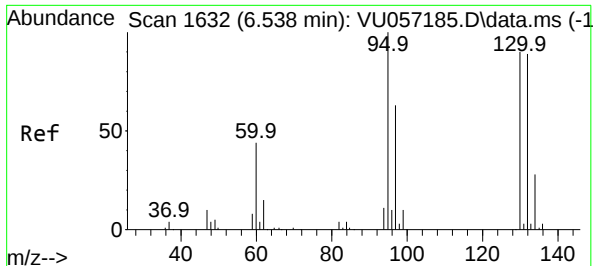
Tgt Ion: 96 Resp: 105281
 Ion Ratio Lower Upper
 96 100
 61 121.2 86.8 161.2
 98 64.9 45.5 84.5



#29
 1,1,1-Trichloroethane
 Concen: 6.047 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.000 min
 Lab File: VU057198.D
 Acq: 22 Dec 2023 18:34

Tgt Ion: 97 Resp: 171334
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.2 76.8
 61 41.5 32.5 48.7



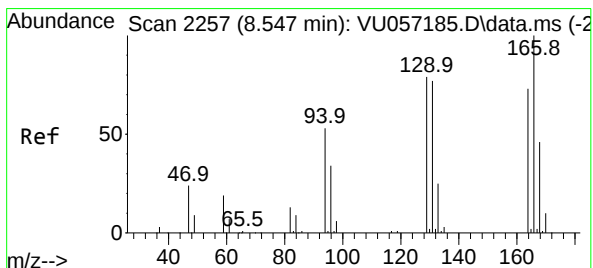
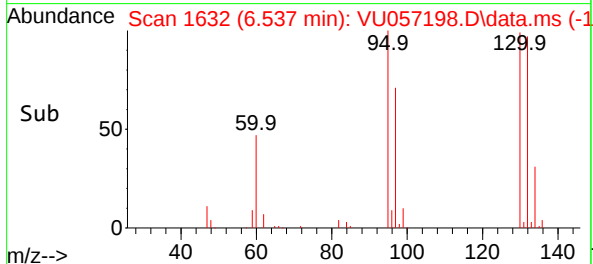
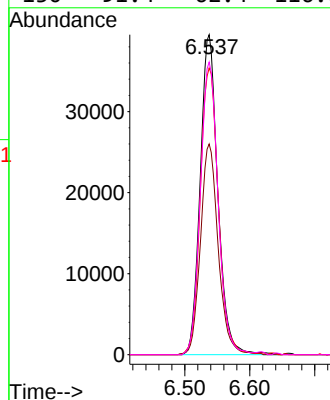
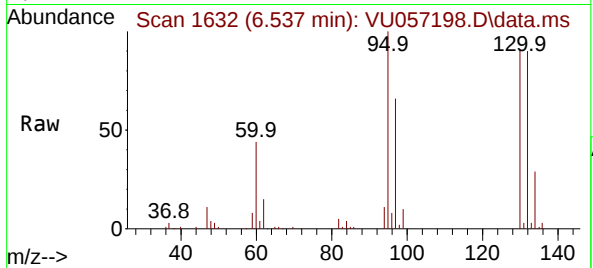


#34
Trichloroethene
Concen: 4.529 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057198.D
Acq: 22 Dec 2023 18:34

Instrument :
MSVOA_U
ClientSampleId :
BH3K3DL

Tgt Ion: 95 Resp: 74851

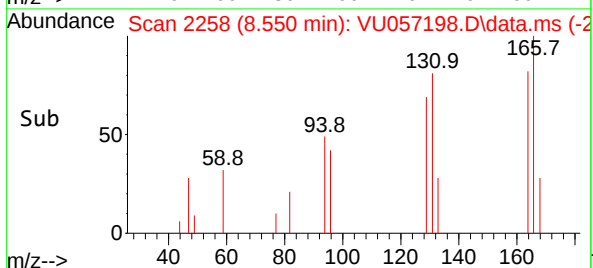
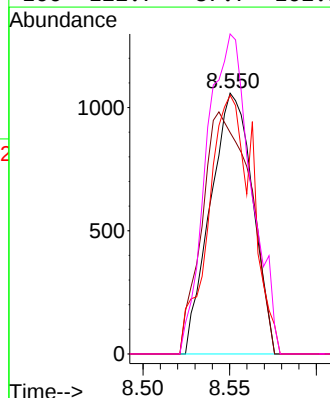
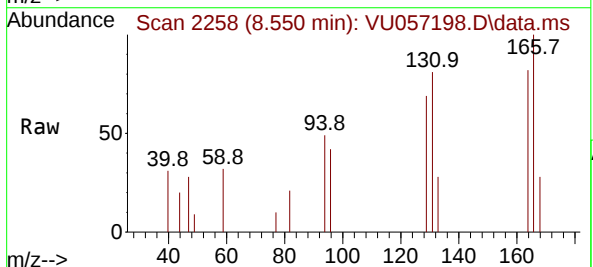
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.3	82.3
132	89.6	62.6	116.2
130	91.4	62.4	116.0

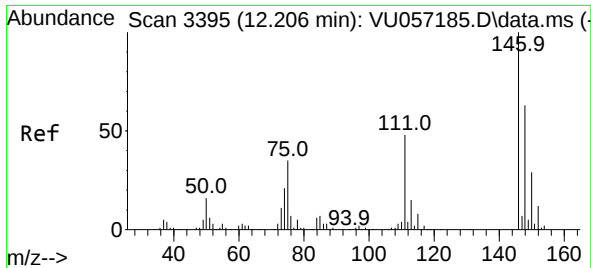


#47
Tetrachloroethene
Concen: 0.151 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057198.D
Acq: 22 Dec 2023 18:34

Tgt Ion: 164 Resp: 1792

Ion	Ratio	Lower	Upper
164	100		
129	84.9	72.9	135.3
131	99.2	71.7	133.3
166	122.7	87.7	162.9





#67

1,2-Dichlorobenzene

Concen: 0.241 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057198.D

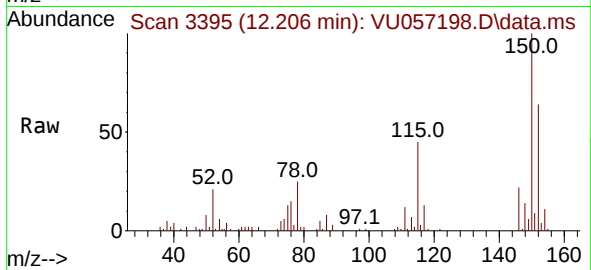
Acq: 22 Dec 2023 18:34

Instrument :

MSVOA_U

ClientSampleId :

BH3K3DL



Tgt Ion:146 Resp: 5991

Ion Ratio Lower Upper

146 100

111 53.4 37.9 56.9

148 65.1 50.1 75.1

