

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057197.D
 Acq On : 22 Dec 2023 18:09
 Operator : MD/SY
 Sample : 05894-02DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K5DL

Quant Time: Dec 22 22:50:26 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)

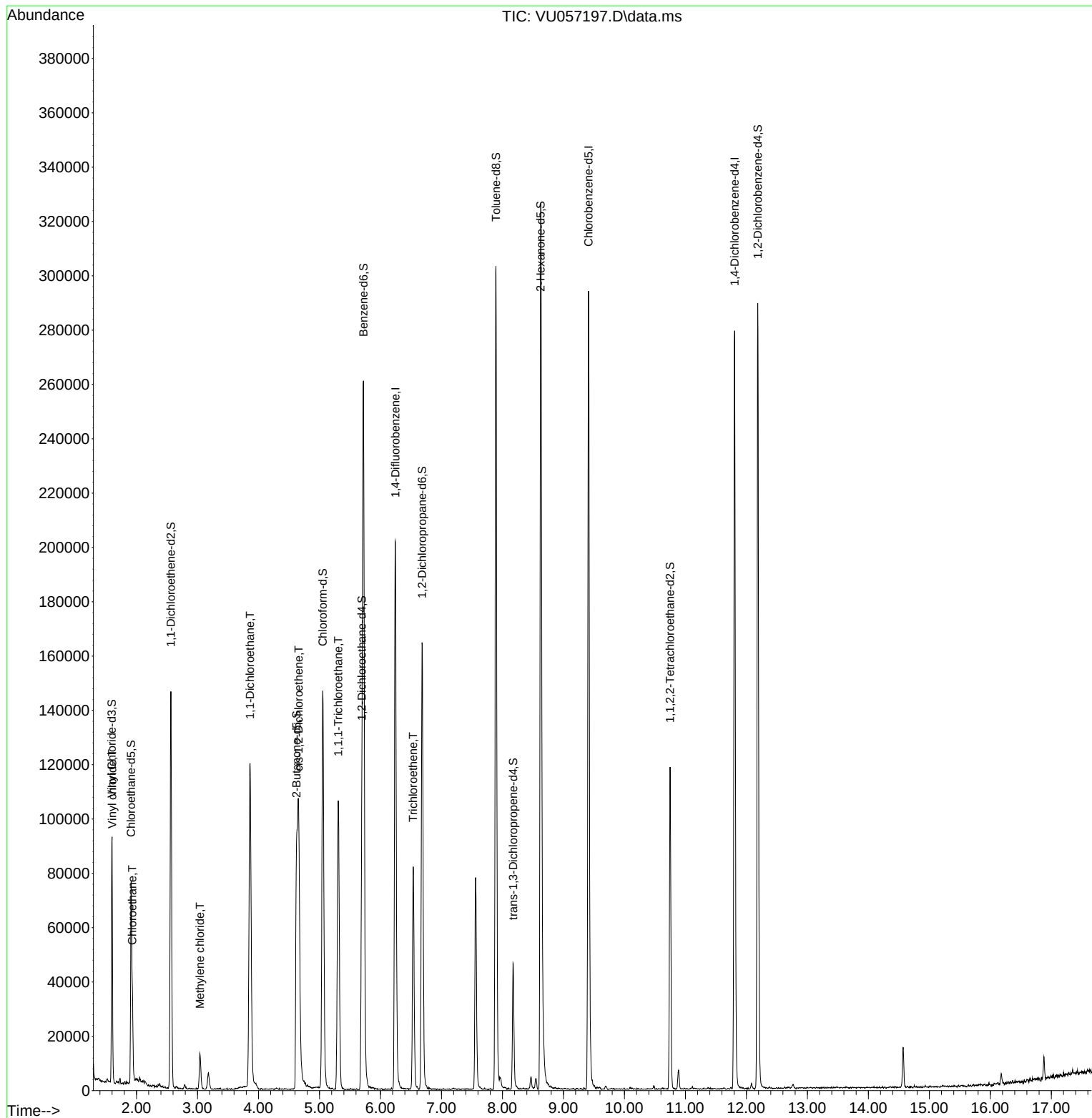
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	163279	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	165336	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73752	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	60191	3.857	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.911	69	55984	4.358	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.563	65	27591	4.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	4.624	46	142376	58.105	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.220%
24) Chloroform-d	5.055	84	138429	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	70139	4.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	250263	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.682	67	77375	4.795	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.894	98	206613	3.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.177	79	27619	4.111	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.627	63	114233	49.945	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.880%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	57780	5.032	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	74835	4.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
5) Vinyl chloride	1.602	62	5813	0.407	ug/L	# 73
8) Chloroethane	1.933	64	17269	1.906	ug/L	100
16) Methylene chloride	3.039	84	6355	0.448	ug/L	97
19) 1,1-Dichloroethane	3.862	63	136478	5.777	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	41199	3.143	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	82098	3.125	ug/L	97
34) Trichloroethene	6.537	95	29735	1.940	ug/L	97

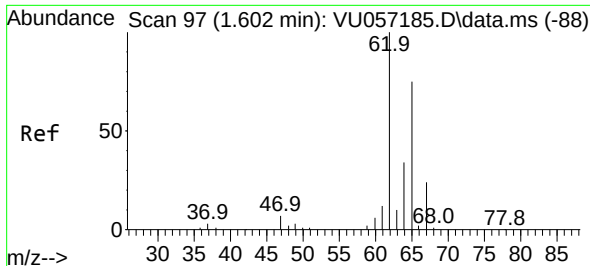
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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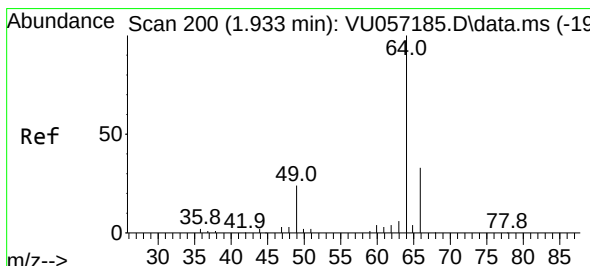
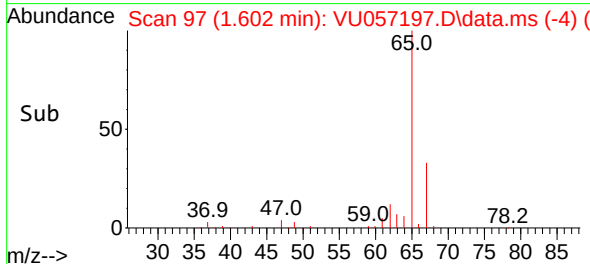
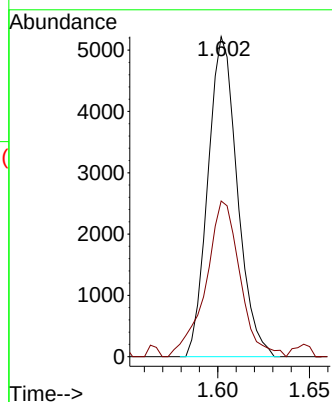
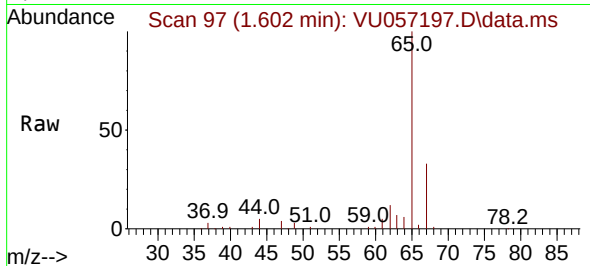




#5
 Vinyl chloride
 Concen: 0.407 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057197.D
 Acq: 22 Dec 2023 18:09

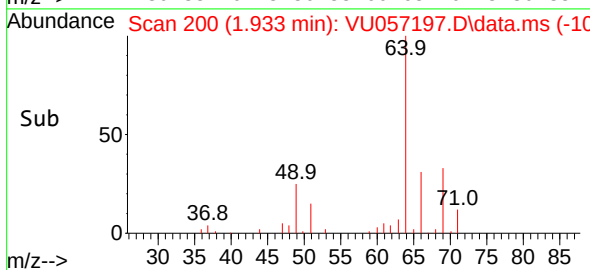
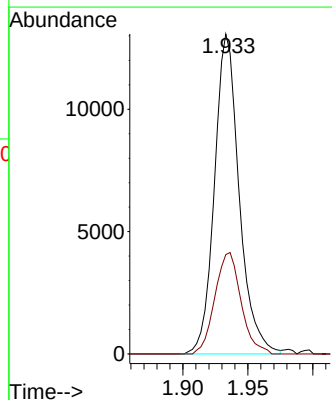
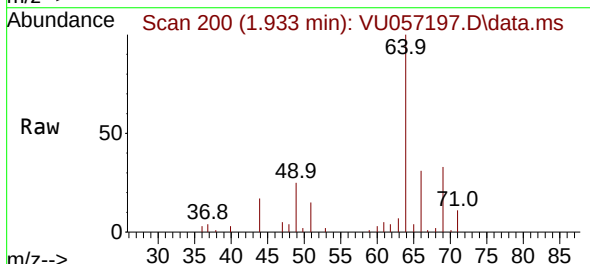
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K5DL

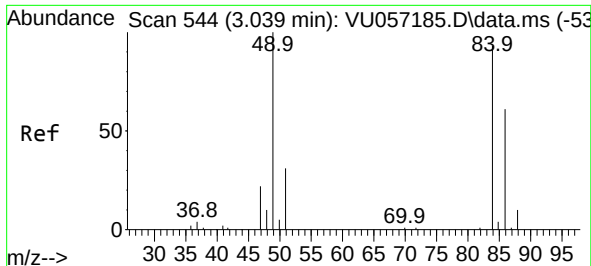
Tgt Ion: 62 Resp: 5813
 Ion Ratio Lower Upper
 62 100
 64 48.6 23.3 43.3#



#8
 Chloroethane
 Concen: 1.906 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. -0.000 min
 Lab File: VU057197.D
 Acq: 22 Dec 2023 18:09

Tgt Ion: 64 Resp: 17269
 Ion Ratio Lower Upper
 64 100
 66 31.1 21.6 40.2

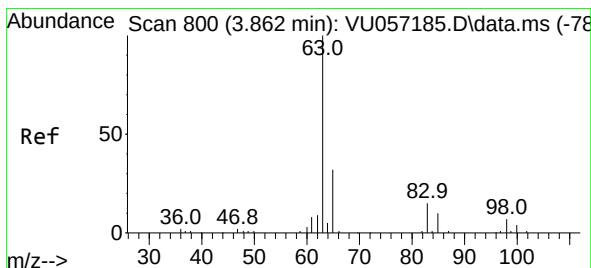
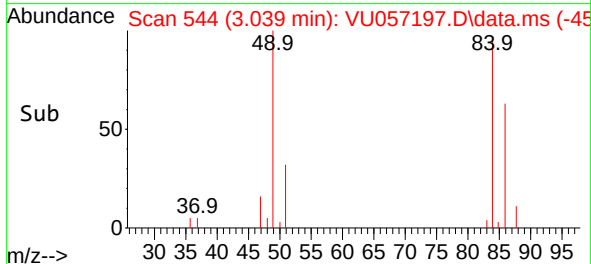
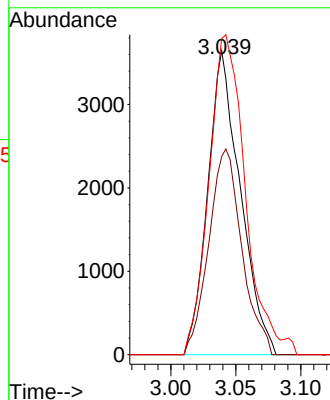
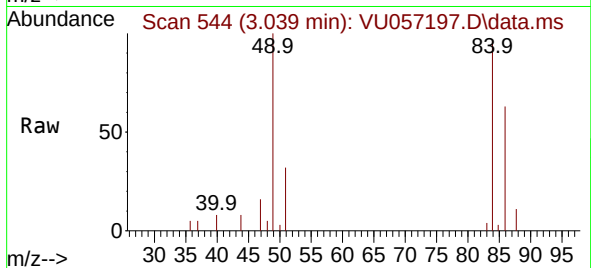




#16
Methylene chloride
Concen: 0.448 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09

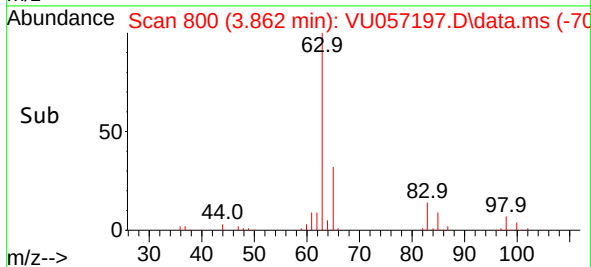
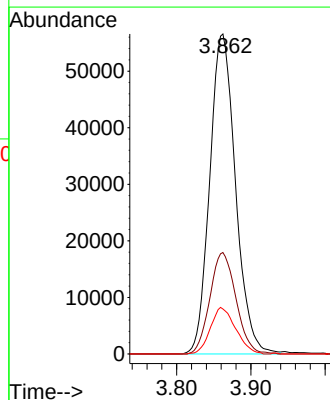
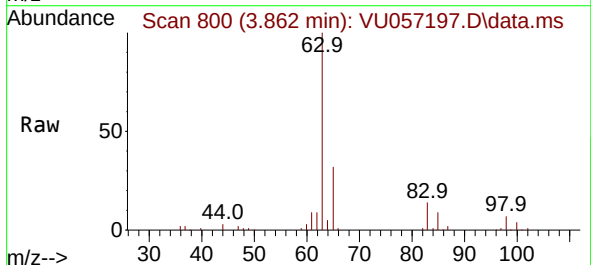
Instrument :
MSVOA_U
ClientSampleId :
BH3K5DL

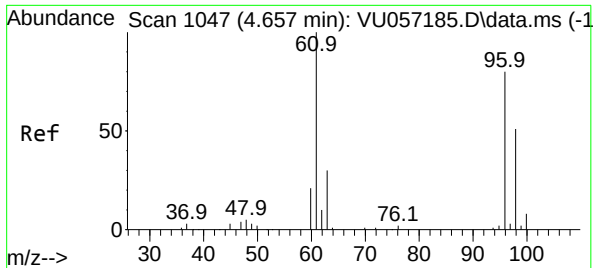
Tgt Ion: 84 Resp: 6355
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 104.0 76.0 141.2



#19
1,1-Dichloroethane
Concen: 5.777 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09

Tgt Ion: 63 Resp: 136478
Ion Ratio Lower Upper
63 100
65 31.7 21.6 40.2
83 14.0 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 3.143 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

Instrument :

MSVOA_U

ClientSampleId :

BH3K5DL

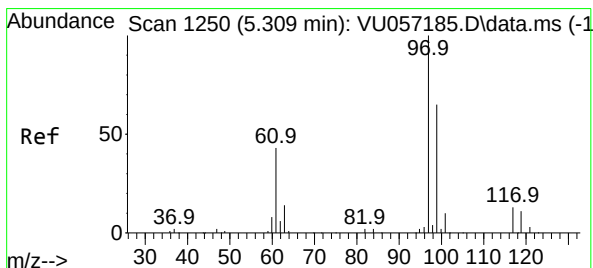
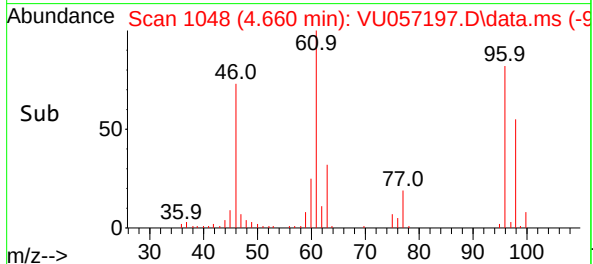
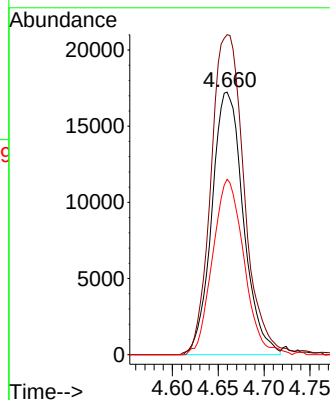
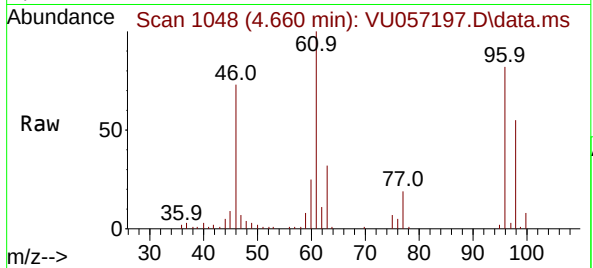
Tgt Ion: 96 Resp: 41199

Ion Ratio Lower Upper

96 100

61 121.9 86.8 161.2

98 66.8 45.5 84.5



#29

1,1,1-Trichloroethane

Concen: 3.125 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

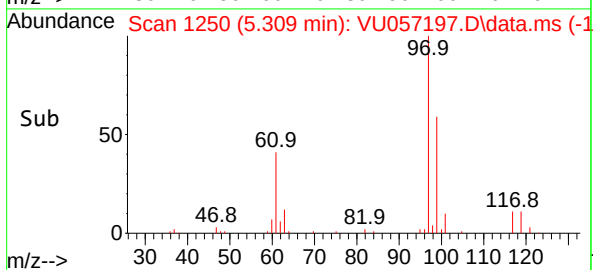
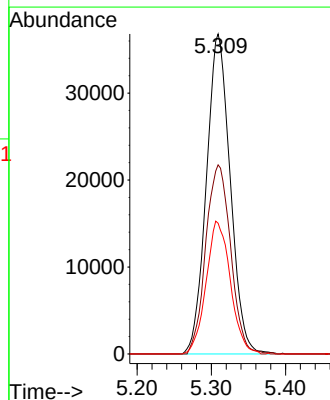
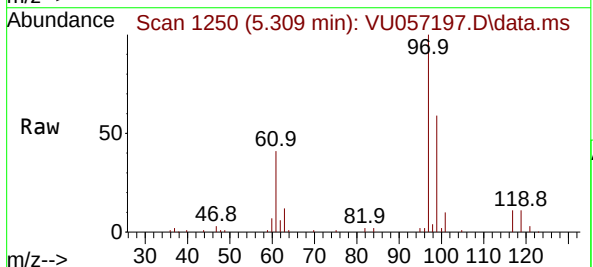
Tgt Ion: 97 Resp: 82098

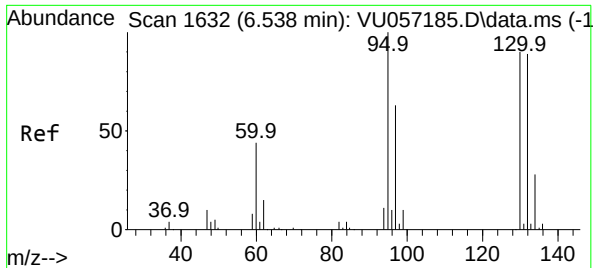
Ion Ratio Lower Upper

97 100

99 61.7 51.2 76.8

61 42.3 32.5 48.7





#34
 Trichloroethene
 Concen: 1.940 ug/L
 RT: 6.537 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VU057197.D
 Acq: 22 Dec 2023 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K5DL

Tgt Ion:	95	Resp:	29735
Ion	Ratio	Lower	Upper
95	100		
97	61.2	44.3	82.3
132	92.9	62.6	116.2
130	87.1	62.4	116.0

