

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057111.D
 Acq On : 20 Dec 2023 23:19
 Operator : MD/SY
 Sample : 05894-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K6

Quant Time: Dec 21 05:01:09 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)

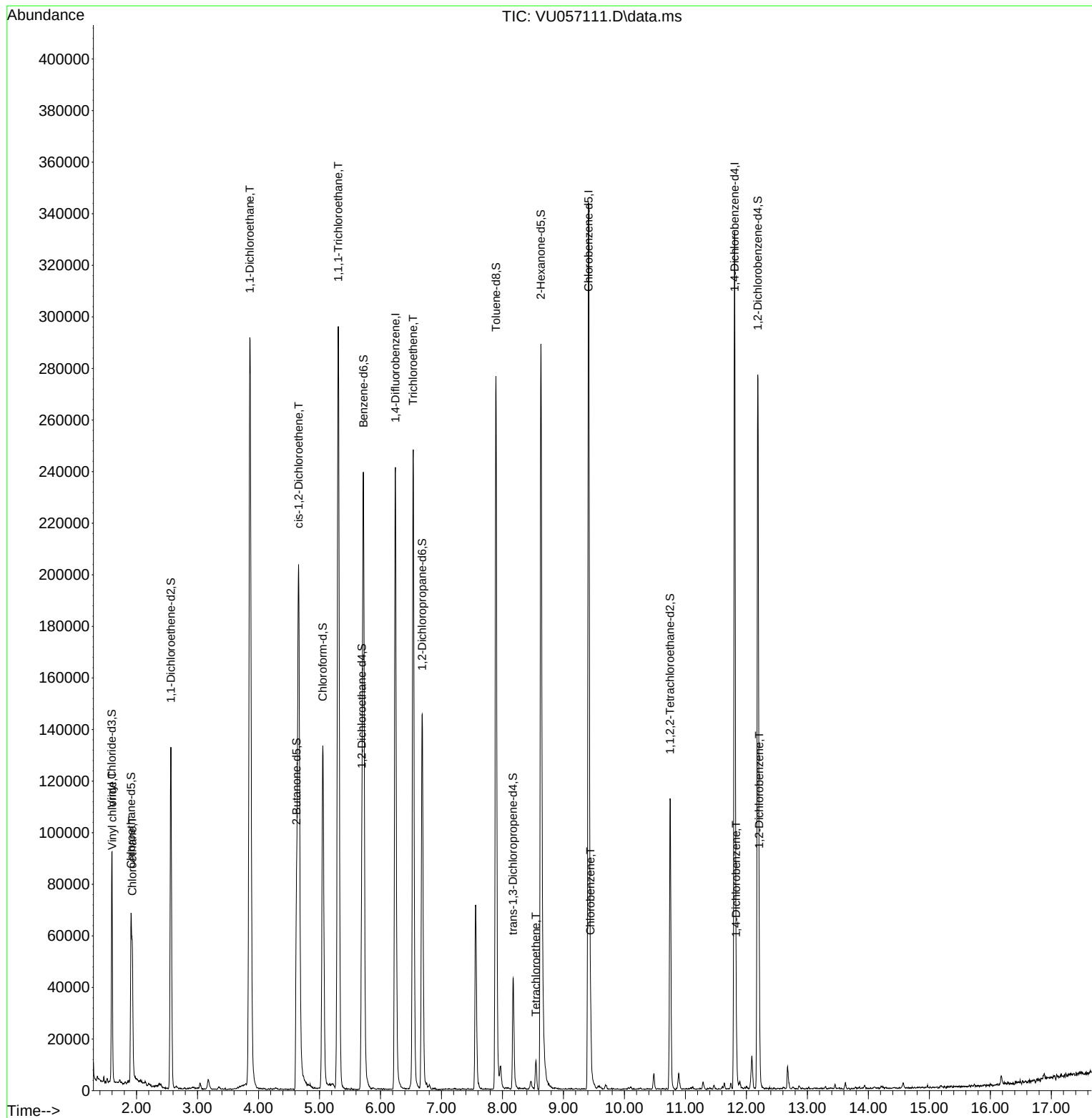
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	194501	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	196059	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	86959	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	53582	3.214	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.911	69	46747	3.747	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.563	65	25550	3.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	4.624	46	123556	37.527	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.060%
24) Chloroform-d	5.055	84	130140	4.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	5.695	65	63430	4.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	5.721	84	231146	3.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.000%
36) 1,2-Dichloropropane-d6	6.682	67	71704	3.767	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.400%
41) Toluene-d8	7.894	98	191171	3.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	8.174	79	26716	3.619	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.400%
46) 2-Hexanone-d5	8.631	63	100310	36.031	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	54173	3.934	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	70909	4.148	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.000%
Target Compounds						
5) Vinyl chloride	1.602	62	10757	0.541	ug/L	97
8) Chloroethane	1.930	64	30294	2.599	ug/L	98
19) 1,1-Dichloroethane	3.859	63	333321	10.823	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	93693	5.379	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	224253	7.913	ug/L	98
34) Trichloroethene	6.537	95	88187	4.666	ug/L	99
47) Tetrachloroethene	8.550	164	2523	0.191	ug/L	75
51) Chlorobenzene	9.444	112	12363	0.272	ug/L #	88
65) 1,4-Dichlorobenzene	11.833	146	5426	0.170	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	11028	0.372	ug/L	95

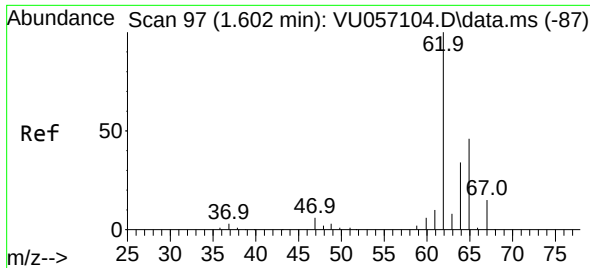
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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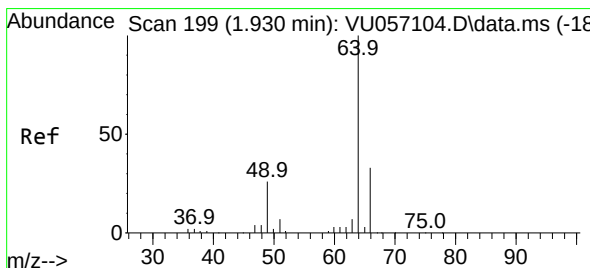
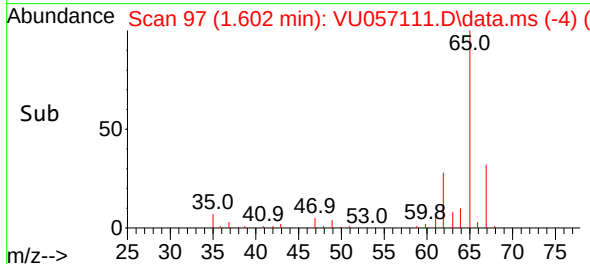
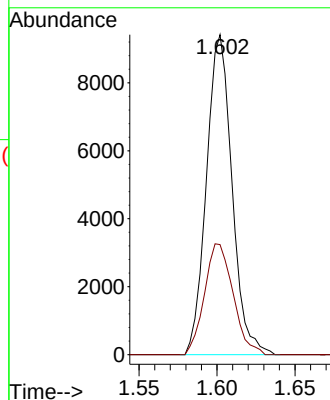
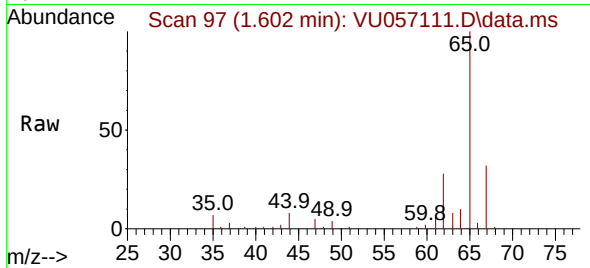




#5
 Vinyl chloride
 Concen: 0.541 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057111.D
 Acq: 20 Dec 2023 23:19

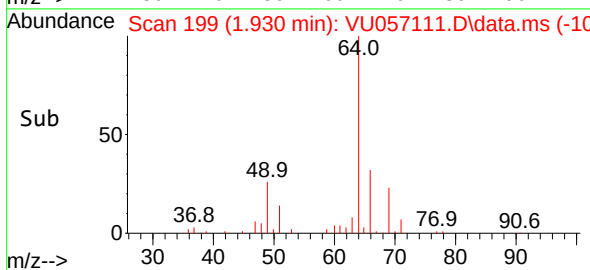
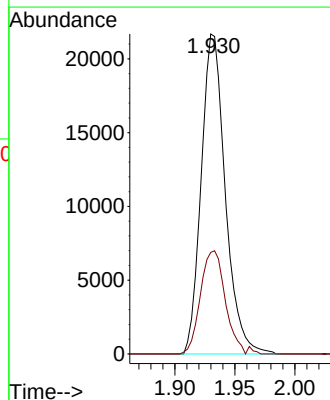
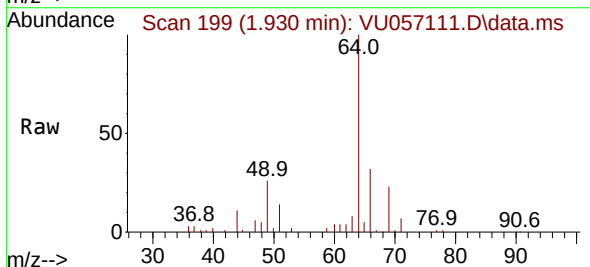
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3K6

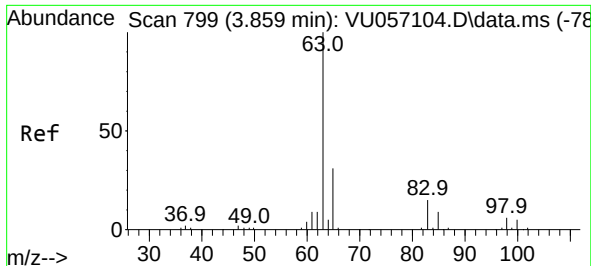
Tgt Ion: 62 Resp: 10757
 Ion Ratio Lower Upper
 62 100
 64 34.4 22.8 42.4



#8
 Chloroethane
 Concen: 2.599 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. -0.000 min
 Lab File: VU057111.D
 Acq: 20 Dec 2023 23:19

Tgt Ion: 64 Resp: 30294
 Ion Ratio Lower Upper
 64 100
 66 31.7 21.4 39.8





#19

1,1-Dichloroethane

Concen: 10.823 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057111.D

Acq: 20 Dec 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

BH3K6

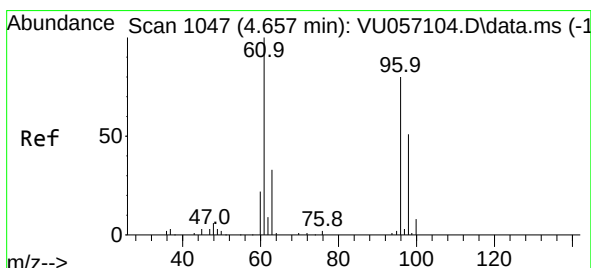
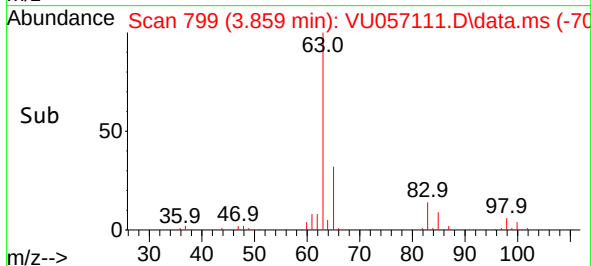
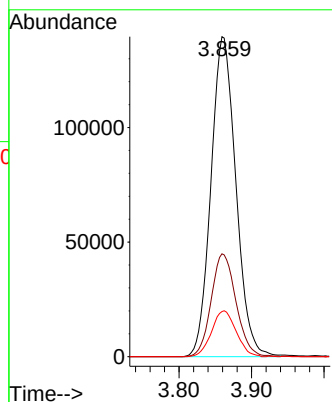
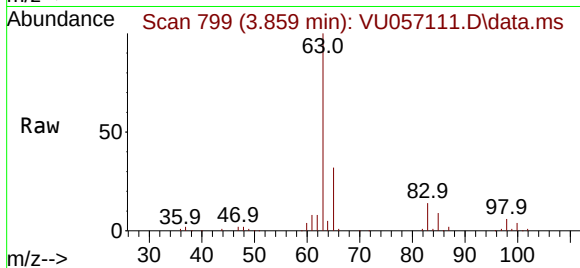
Tgt Ion: 63 Resp: 333321

Ion Ratio Lower Upper

63 100

65 32.1 22.9 42.5

83 14.1 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 5.379 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057111.D

Acq: 20 Dec 2023 23:19

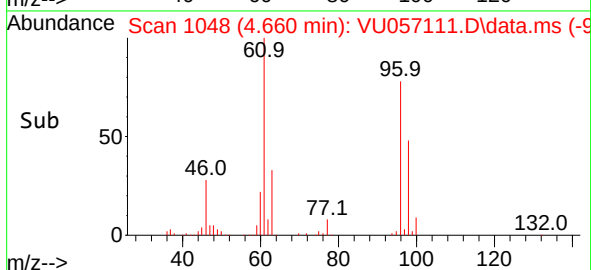
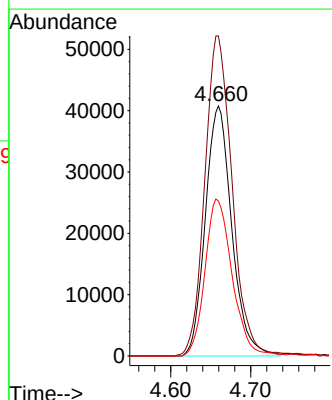
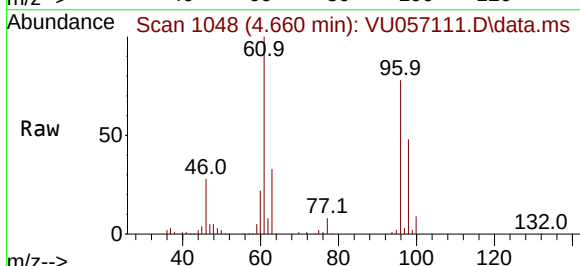
Tgt Ion: 96 Resp: 93693

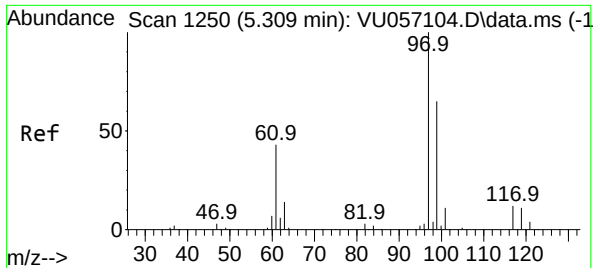
Ion Ratio Lower Upper

96 100

61 128.0 91.3 169.6

98 62.0 44.2 82.0





#29

1,1,1-Trichloroethane

Concen: 7.913 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057111.D

Acq: 20 Dec 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

BH3K6

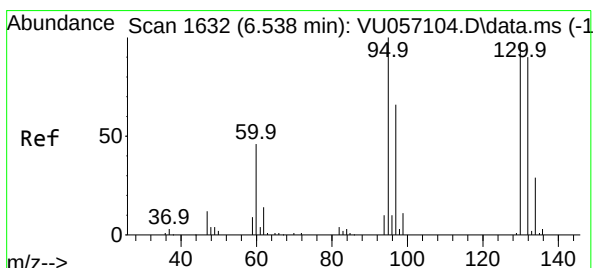
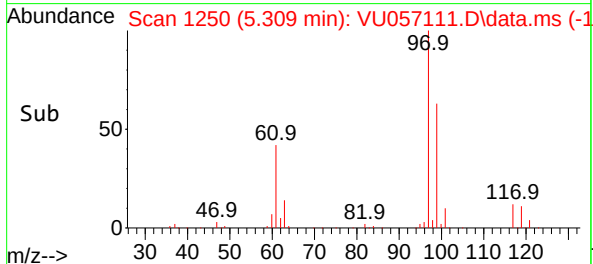
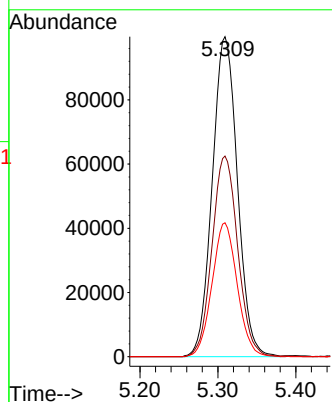
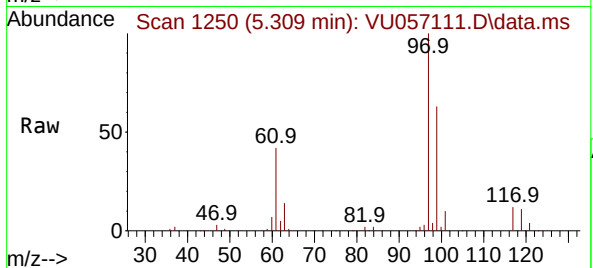
Tgt Ion: 97 Resp: 224253

Ion Ratio Lower Upper

97 100

99 64.0 52.5 78.7

61 41.8 34.2 51.2



#34

Trichloroethene

Concen: 4.666 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU057111.D

Acq: 20 Dec 2023 23:19

Tgt Ion: 95 Resp: 88187

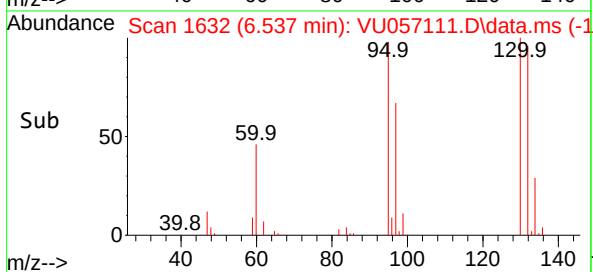
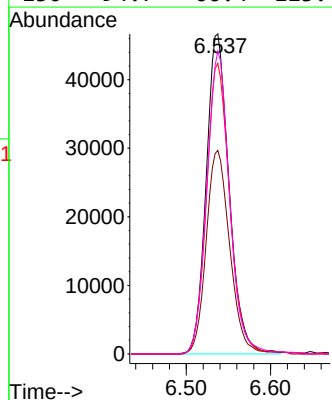
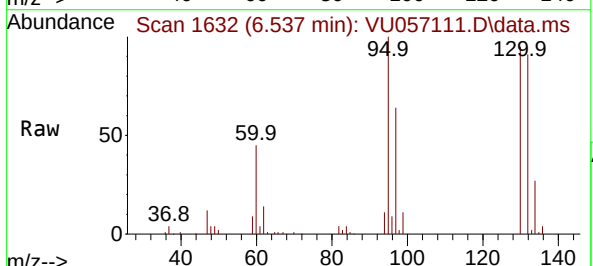
Ion Ratio Lower Upper

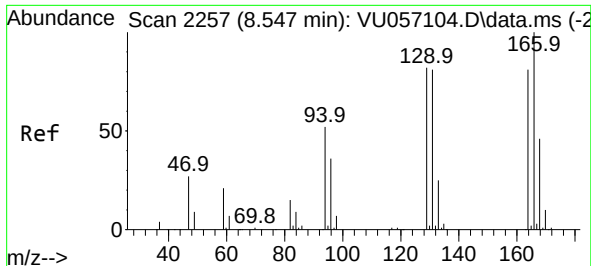
95 100

97 63.6 46.1 85.5

132 90.8 63.6 118.0

130 94.7 66.4 123.4





#47

Tetrachloroethene

Concen: 0.191 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057111.D

Acq: 20 Dec 2023 23:19

Instrument :

MSVOA_U

ClientSampleId :

BH3K6

Tgt Ion:164 Resp: 2523

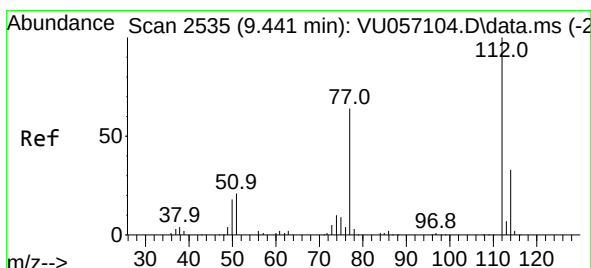
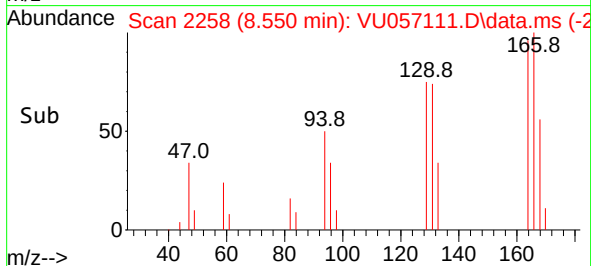
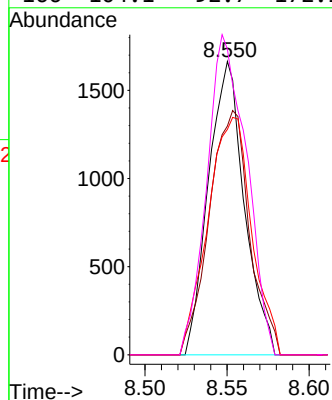
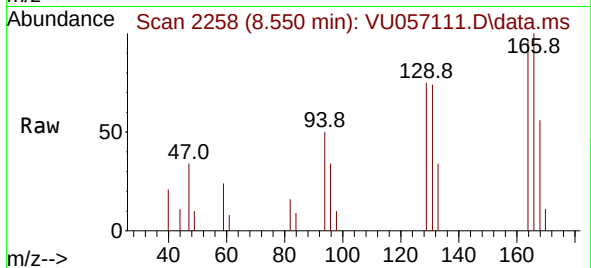
Ion Ratio Lower Upper

164 100

129 78.0 73.4 136.4

131 76.9 71.5 132.9

166 104.1 92.7 172.1



#51

Chlorobenzene

Concen: 0.272 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057111.D

Acq: 20 Dec 2023 23:19

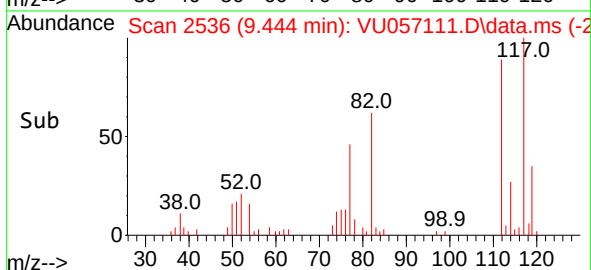
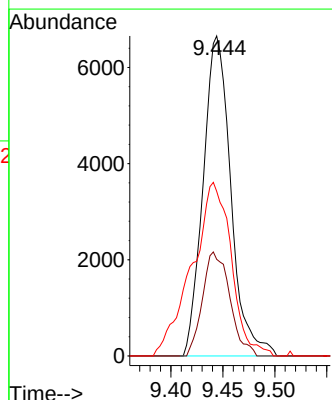
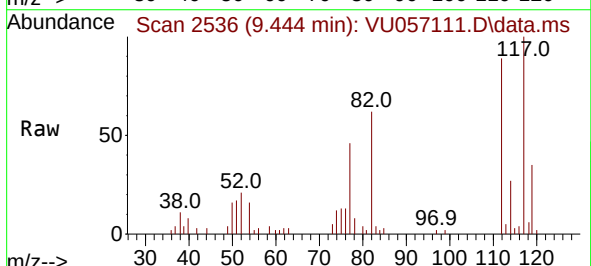
Tgt Ion:112 Resp: 12363

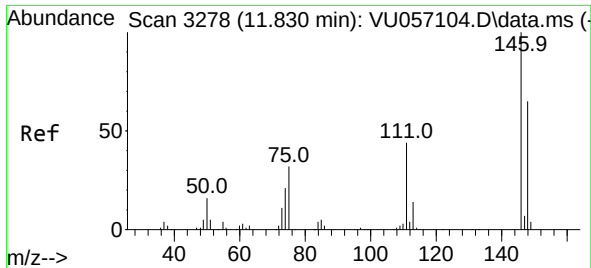
Ion Ratio Lower Upper

112 100

114 30.2 21.9 40.7

77 51.5 51.6 77.4#

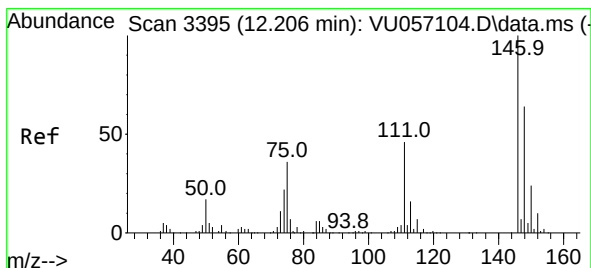
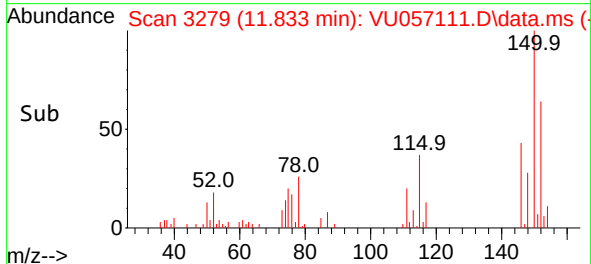
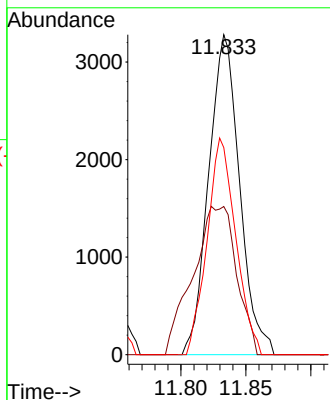
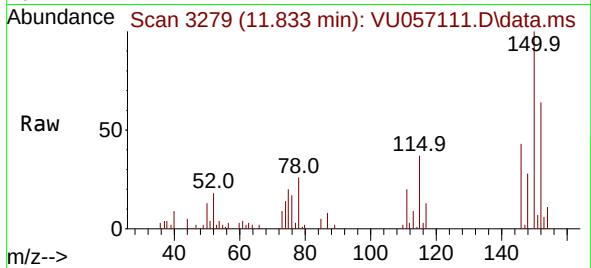




#65
1,4-Dichlorobenzene
Concen: 0.170 ug/L
RT: 11.833 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VU057111.D
Acq: 20 Dec 2023 23:19

Instrument :
MSVOA_U
ClientSampleId :
BH3K6

Tgt Ion:146 Resp: 5426
Ion Ratio Lower Upper
146 100
111 46.3 31.2 58.0
148 64.7 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 0.372 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU057111.D
Acq: 20 Dec 2023 23:19

Tgt Ion:146 Resp: 11028
Ion Ratio Lower Upper
146 100
111 50.6 36.9 55.3
148 68.8 53.0 79.4

