

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011524\
 Data File : VU057526.D
 Acq On : 15 Jan 2024 13:48
 Operator : MD/SY
 Sample : P1120-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGWJ1

Quant Time: Jan 16 00:35:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 00:31:32 2024
 Response via : Initial Calibration

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

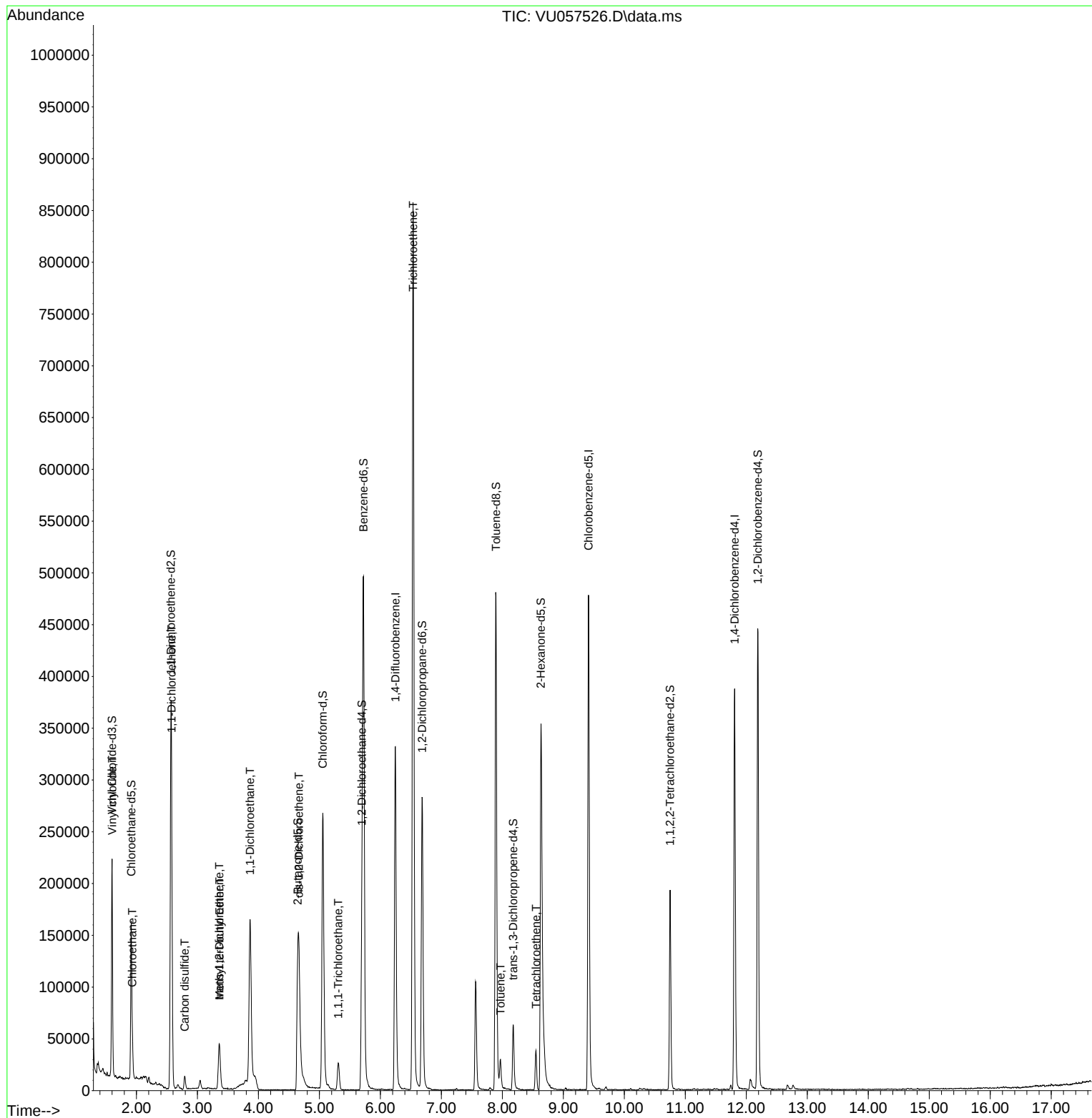
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	259825	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	273664	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	99599	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	132406	5.023	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.400%
7) Chloroethane-d5	1.914	69	114287	5.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.400%
11) 1,1-Dichloroethene-d2	2.563	65	56552	5.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.400%
20) 2-Butanone-d5	4.644	46	213020	42.721	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.440%
24) Chloroform-d	5.055	84	249201	5.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.400%
26) 1,2-Dichloroethane-d4	5.695	65	122147	5.568	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.721	84	468356	4.692	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.682	67	131588	4.229	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.894	98	320139	3.799	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.177	79	36236	3.349	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.631	63	118403	30.226	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	60.460%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	98578	4.690	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	113433	5.671	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.400%
Target Compounds						
5) Vinyl chloride	1.602	62	22561	1.151	ug/L	85
8) Chloroethane	1.933	64	16729	1.369	ug/L	94
12) 1,1-Dichloroethene	2.576	96	50255	3.310	ug/L #	70
14) Carbon disulfide	2.792	76	17964	0.424	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	41534	1.103	ug/L	96
18) trans-1,2-Dichloroethene	3.358	96	1988	0.132	ug/L	89
19) 1,1-Dichloroethane	3.862	63	182972	5.382	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	37676	2.148	ug/L	94
29) 1,1,1-Trichloroethane	5.309	97	18828	0.558	ug/L	96
34) Trichloroethene	6.534	95	301217	14.261	ug/L	99
42) Toluene	7.968	91	18669	0.236	ug/L	84
47) Tetrachloroethene	8.554	164	7731	0.551	ug/L	88

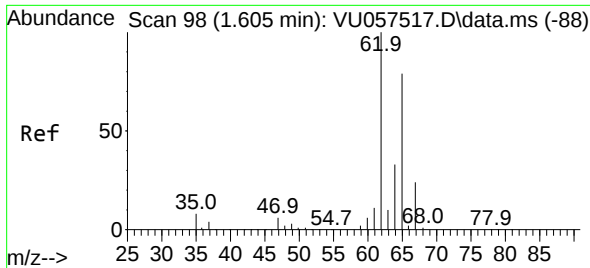
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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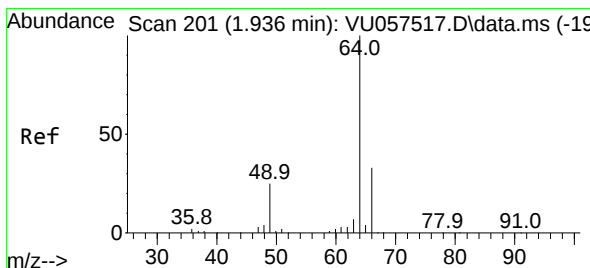
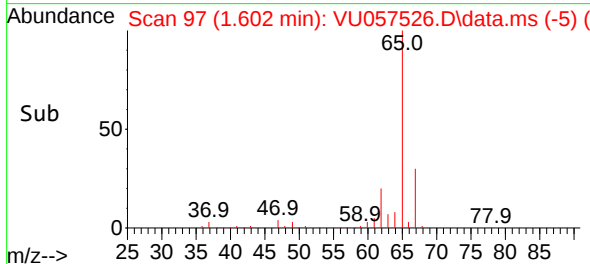
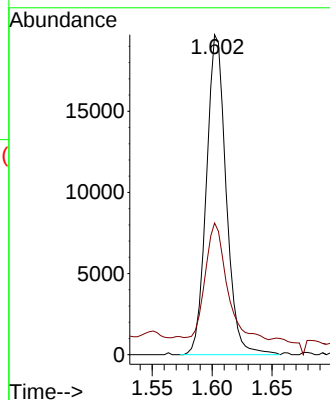
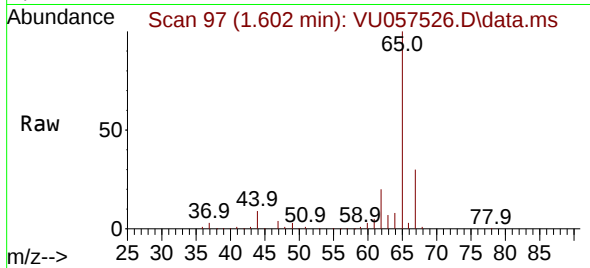




#5
 Vinyl chloride
 Concen: 1.151 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU057526.D
 Acq: 15 Jan 2024 13:48

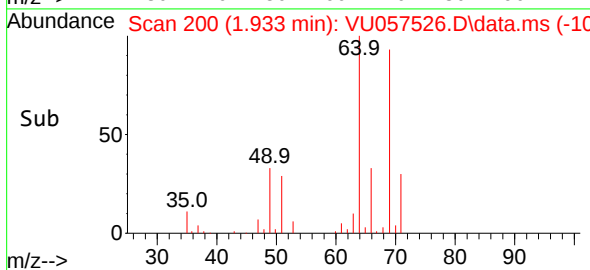
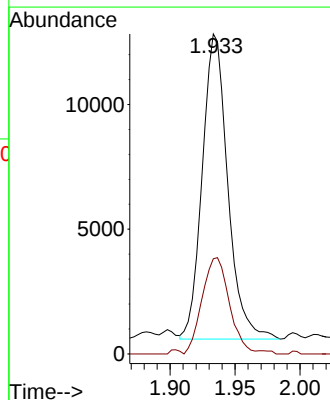
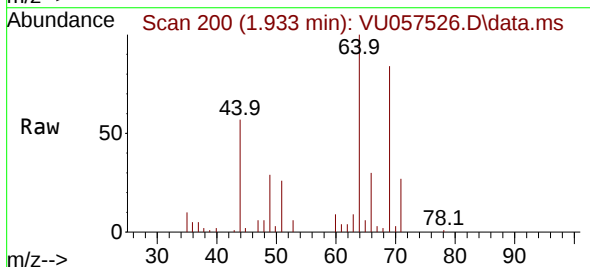
Instrument :
 MSVOA_U
 ClientSampleId :
 BGWJ1

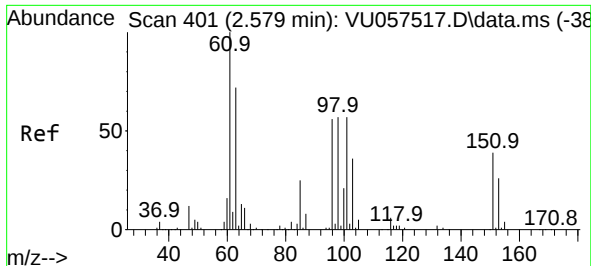
Tgt Ion: 62 Resp: 22561
 Ion Ratio Lower Upper
 62 100
 64 41.2 22.9 42.5



#8
 Chloroethane
 Concen: 1.369 ug/L
 RT: 1.933 min Scan# 200
 Delta R.T. -0.003 min
 Lab File: VU057526.D
 Acq: 15 Jan 2024 13:48

Tgt Ion: 64 Resp: 16729
 Ion Ratio Lower Upper
 64 100
 66 29.8 23.3 43.3





#12

1,1-Dichloroethene

Concen: 3.310 ug/L

RT: 2.576 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU057526.D

Acq: 15 Jan 2024 13:48

Instrument :

MSVOA_U

ClientSampleId :

BGWJ1

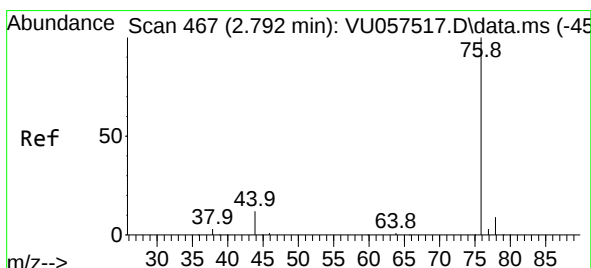
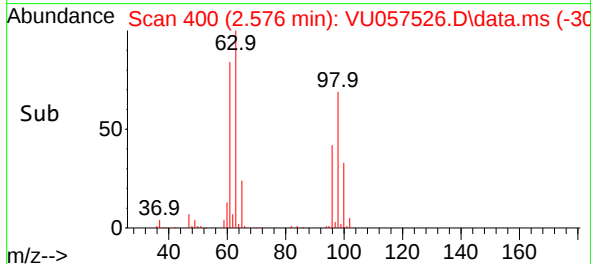
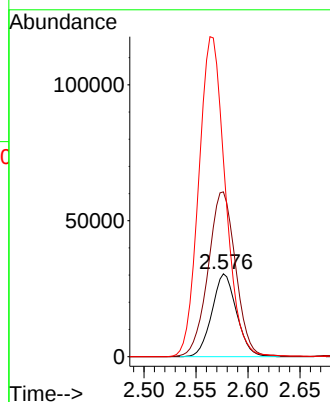
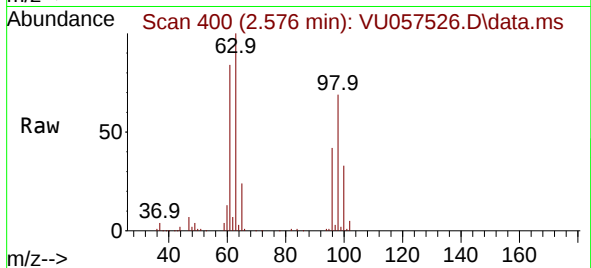
Tgt Ion: 96 Resp: 50255

Ion Ratio Lower Upper

96 100

61 198.9 130.9 243.1

63 238.0 114.8 213.2#



#14

Carbon disulfide

Concen: 0.424 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU057526.D

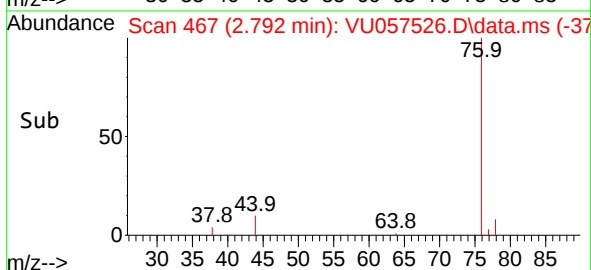
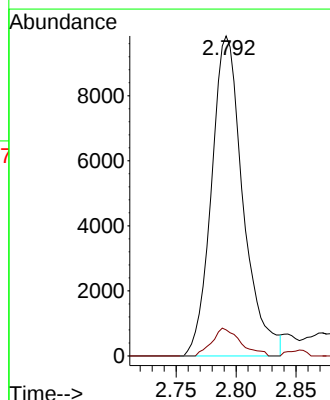
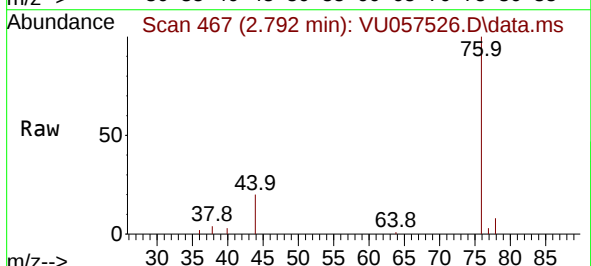
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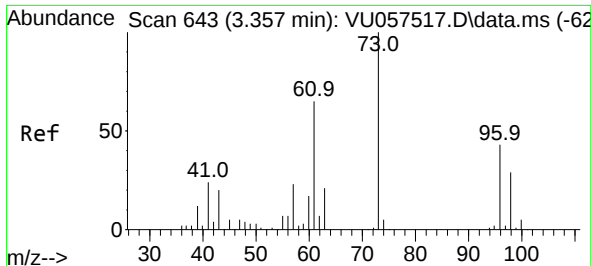
Tgt Ion: 76 Resp: 17964

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9

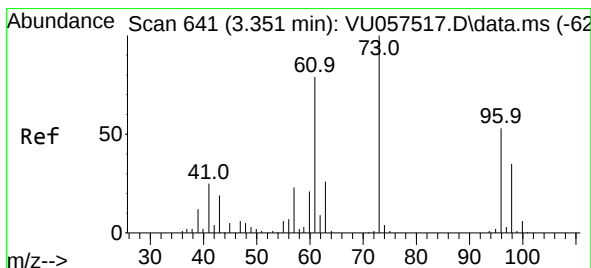
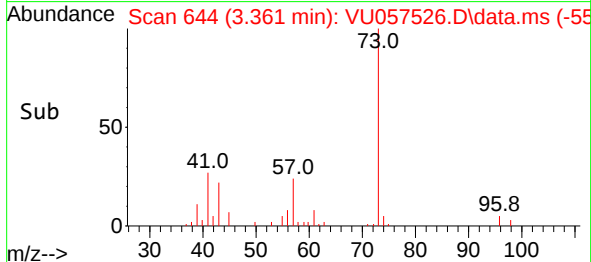
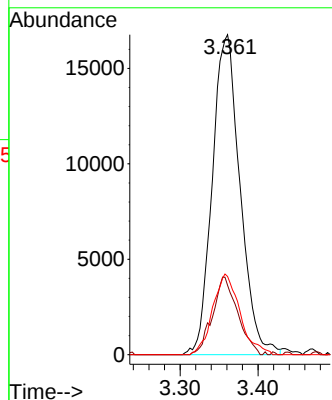
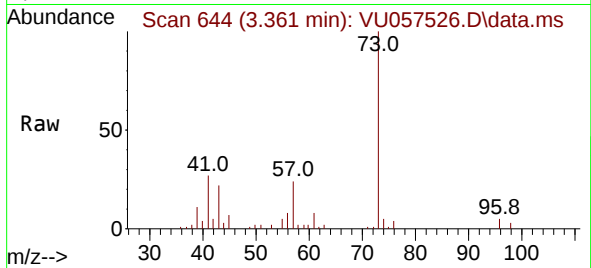




#17
Methyl tert-butyl Ether
Concen: 1.103 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU057526.D
Acq: 15 Jan 2024 13:48

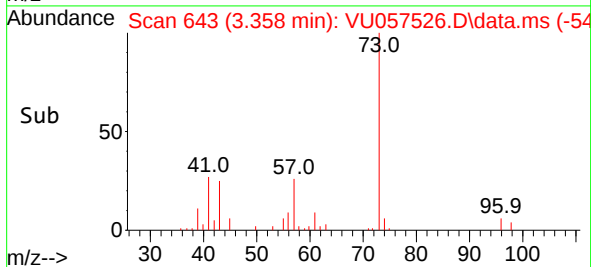
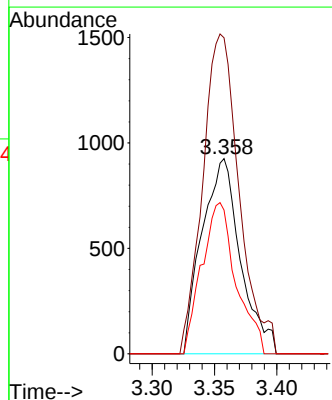
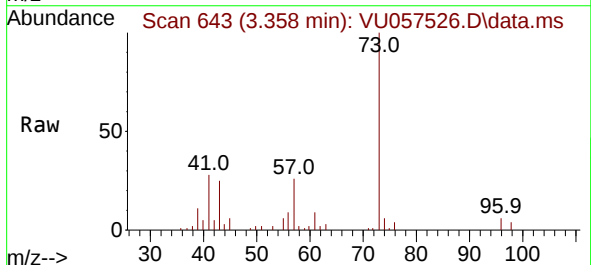
Instrument :
MSVOA_U
ClientSampleId :
BGWJ1

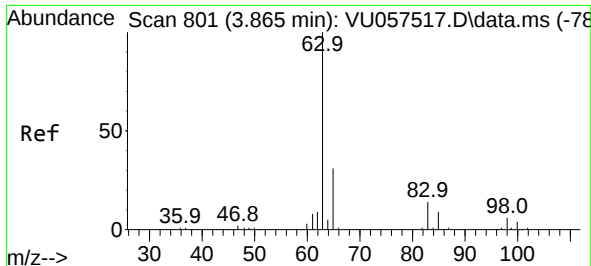
Tgt Ion: 73 Resp: 41534
Ion Ratio Lower Upper
73 100
43 21.9 16.1 24.1
57 24.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 0.132 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU057526.D
Acq: 15 Jan 2024 13:48

Tgt Ion: 96 Resp: 1988
Ion Ratio Lower Upper
96 100
61 161.9 105.1 195.3
98 73.7 43.7 81.1





#19

1,1-Dichloroethane

Concen: 5.382 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU057526.D

Acq: 15 Jan 2024 13:48

Instrument :

MSVOA_U

ClientSampleId :

BGWJ1

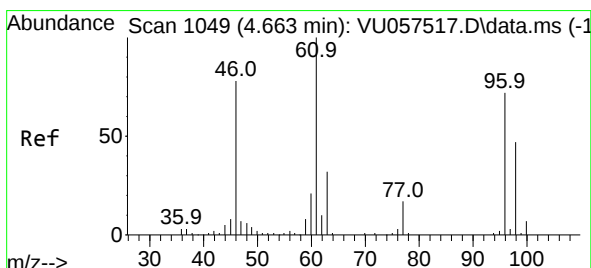
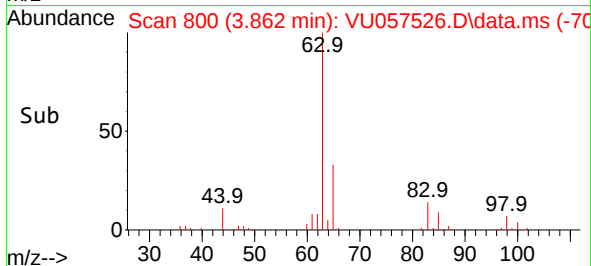
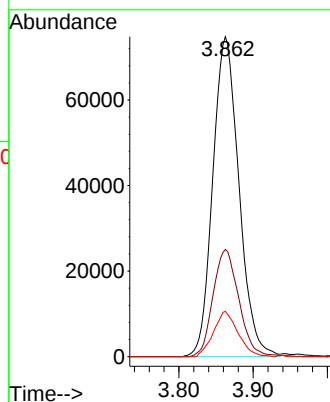
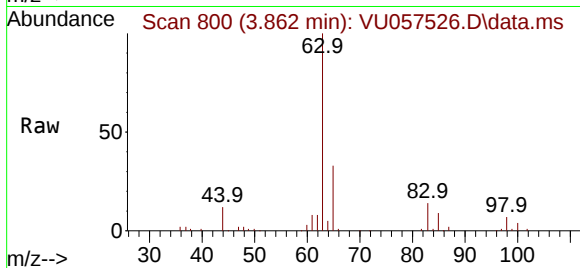
Tgt Ion: 63 Resp: 182972

Ion Ratio Lower Upper

63 100

65 33.5 22.3 41.3

83 14.2 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 2.148 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU057526.D

Acq: 15 Jan 2024 13:48

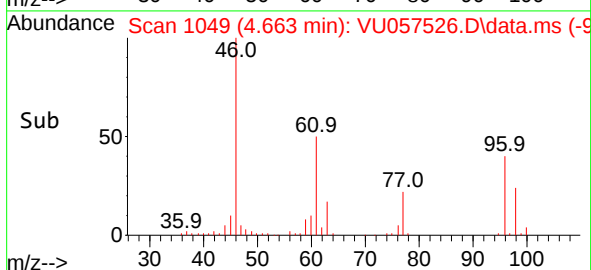
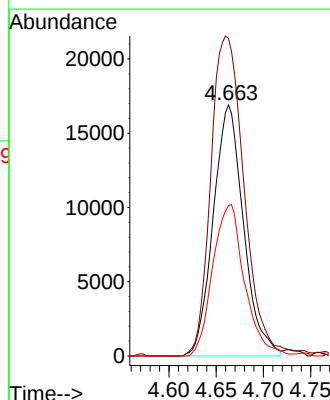
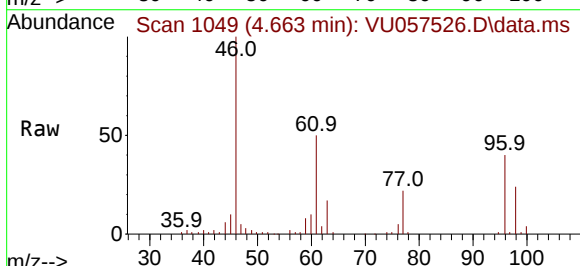
Tgt Ion: 96 Resp: 37676

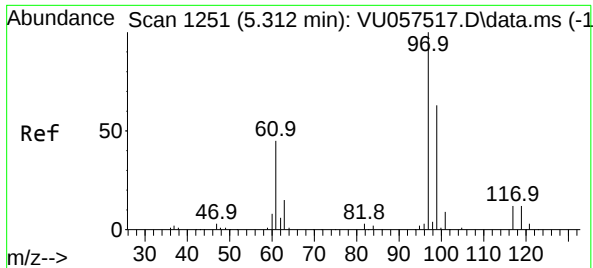
Ion Ratio Lower Upper

96 100

61 126.5 93.4 173.4

98 60.0 44.9 83.3

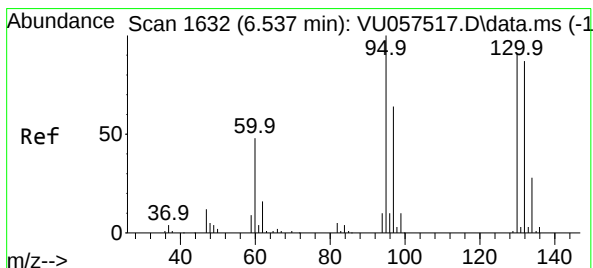
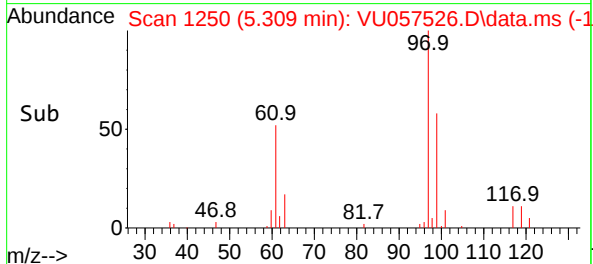
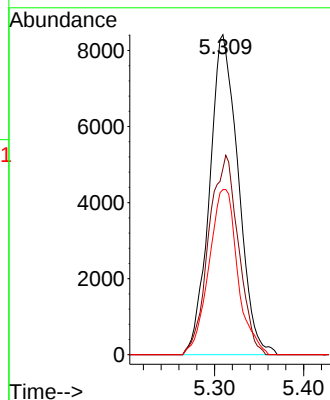
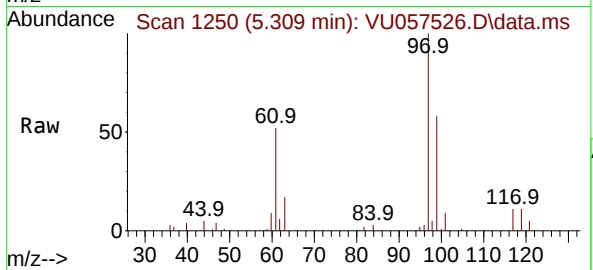




#29
1,1,1-Trichloroethane
Concen: 0.558 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057526.D
Acq: 15 Jan 2024 13:48

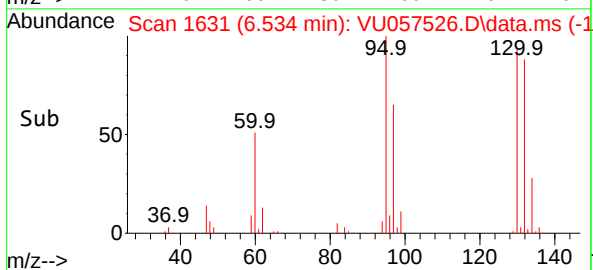
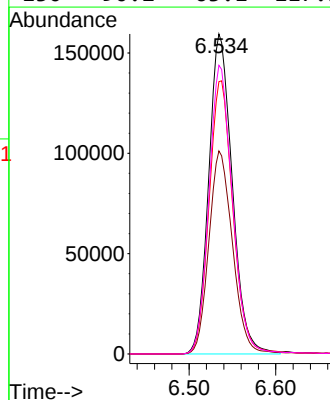
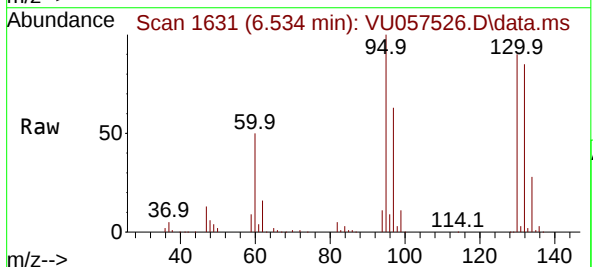
Instrument :
MSVOA_U
ClientSampleId :
BGWJ1

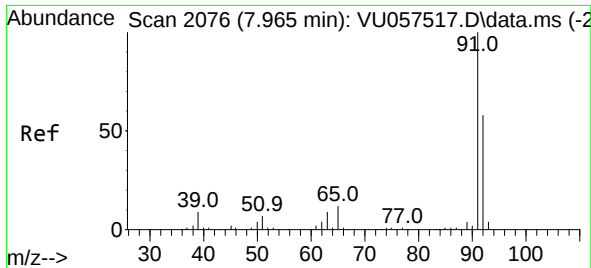
Tgt Ion: 97	Resp: 18828
Ion Ratio	Lower Upper
97 100	
99 64.3	51.4 77.0
61 51.8	36.9 55.3



#34
Trichloroethene
Concen: 14.261 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057526.D
Acq: 15 Jan 2024 13:48

Tgt Ion: 95	Resp: 301217
Ion Ratio	Lower Upper
95 100	
97 63.4	45.0 83.6
132 85.1	61.7 114.5
130 90.2	63.1 117.3





#42

Toluene

Concen: 0.236 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057526.D

Acq: 15 Jan 2024 13:48

Instrument :

MSVOA_U

ClientSampleId :

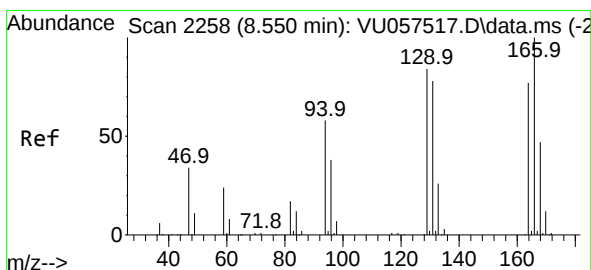
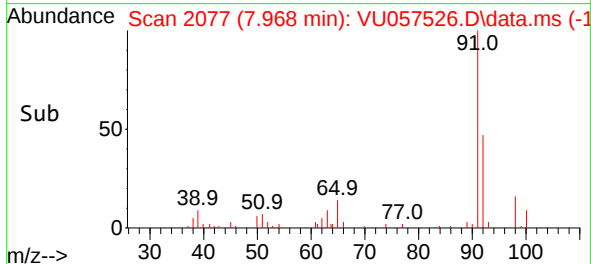
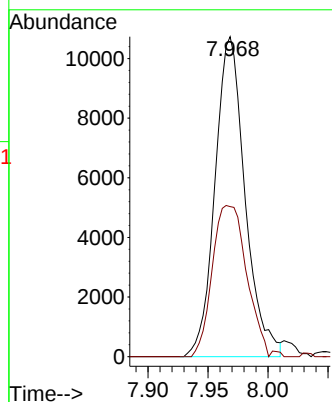
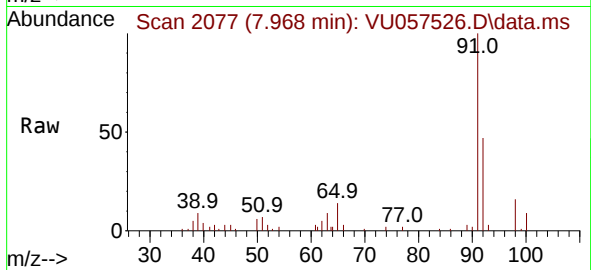
BGWJ1

Tgt Ion: 91 Resp: 18669

Ion Ratio Lower Upper

91 100

92 46.9 41.2 76.4



#47

Tetrachloroethene

Concen: 0.551 ug/L

RT: 8.554 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VU057526.D

Acq: 15 Jan 2024 13:48

Tgt Ion: 164 Resp: 7731

Ion Ratio Lower Upper

164 100

129 89.8 74.8 138.8

131 86.2 70.3 130.7

166 118.7 88.3 163.9

