

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122623\
 Data File : VU057248.D
 Acq On : 26 Dec 2023 20:48
 Operator : MD/SY
 Sample : 05976-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH7W4

Quant Time: Dec 26 23:44:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 26 23:39:51 2023
 Response via : Initial Calibration

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

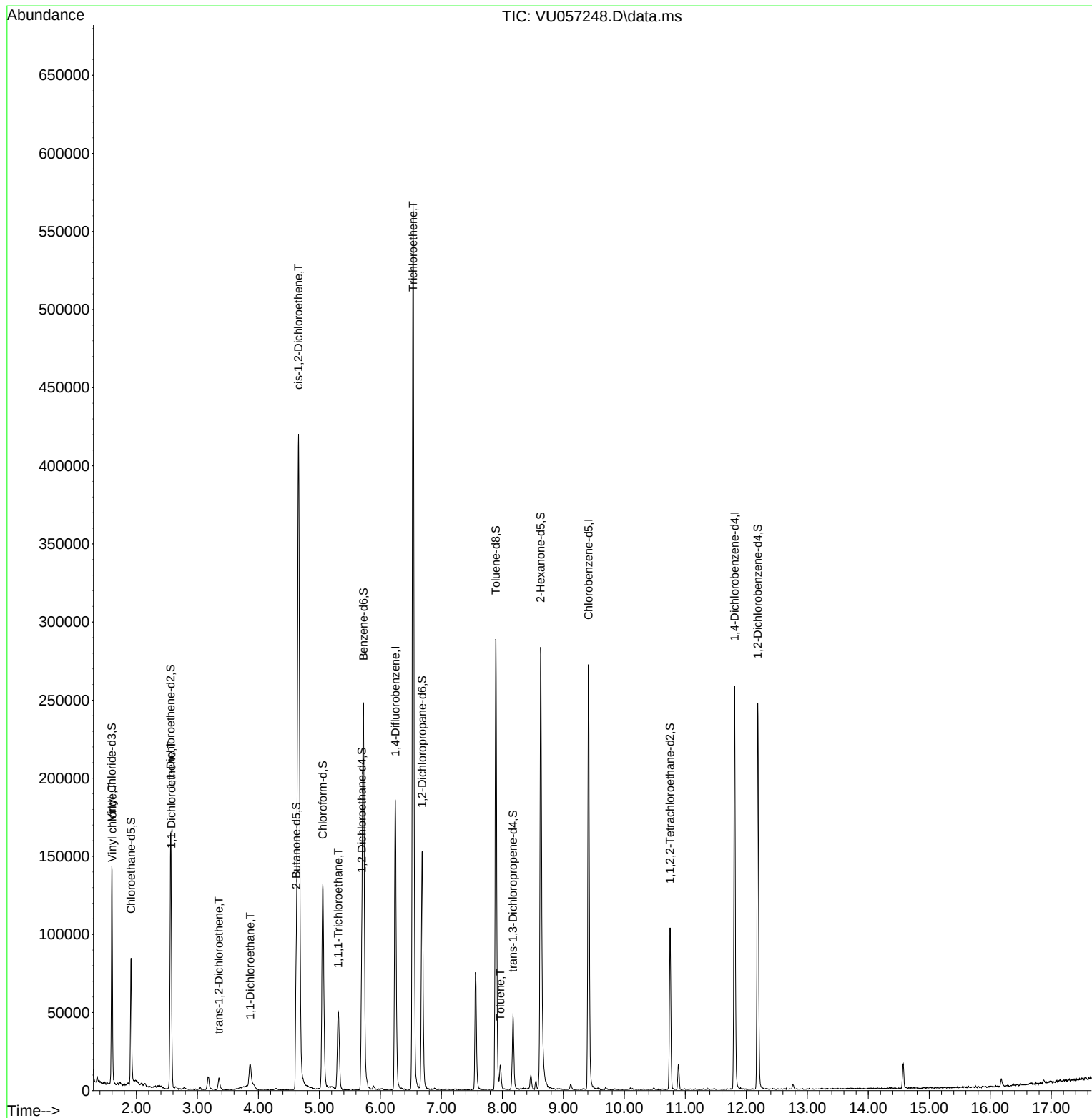
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	148954	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	154131	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	67835	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80624	5.663	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 113.200%		
7) Chloroethane-d5	1.911	69	59267	5.057	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 101.200%		
11) 1,1-Dichloroethene-d2	2.560	65	31406	5.091	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 101.800%		
20) 2-Butanone-d5	4.621	46	126875	56.759	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 113.520%		
24) Chloroform-d	5.055	84	126617	4.605	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 92.200%		
26) 1,2-Dichloroethane-d4	5.695	65	62283	4.753	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 95.000%		
32) Benzene-d6	5.721	84	239597	4.532	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 90.600%		
36) 1,2-Dichloropropane-d6	6.682	67	73827	4.907	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 98.200%		
41) Toluene-d8	7.891	98	195542	4.051	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 81.000%		
43) trans-1,3-Dichloroprop...	8.174	79	27355	4.368	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 87.400%		
46) 2-Hexanone-d5	8.628	63	95761	44.912	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 89.820%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	51527	4.813	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 96.200%		
66) 1,2-Dichlorobenzene-d4	12.187	152	64805	4.440	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 88.800%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	23683	1.819	ug/L	97
12) 1,1-Dichloroethene	2.570	96	2320	0.208	ug/L #	1
18) trans-1,2-Dichloroethene	3.351	96	3431	0.316	ug/L	93
19) 1,1-Dichloroethane	3.866	63	16496	0.765	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	213503	17.852	ug/L	94
29) 1,1,1-Trichloroethane	5.309	97	37682	1.538	ug/L	97
34) Trichloroethene	6.534	95	203400	14.235	ug/L	97
42) Toluene	7.965	91	11752	0.227	ug/L	99

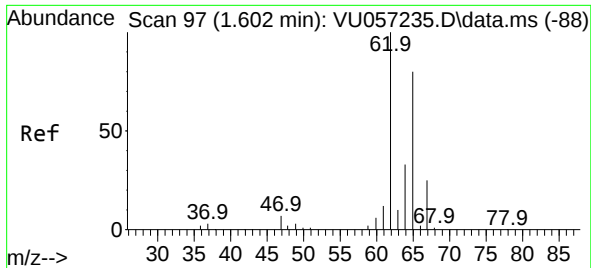
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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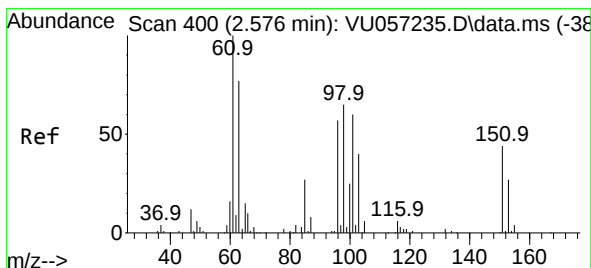
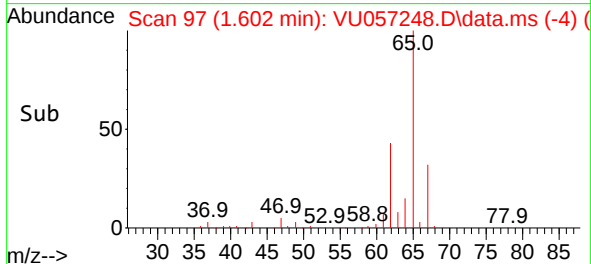
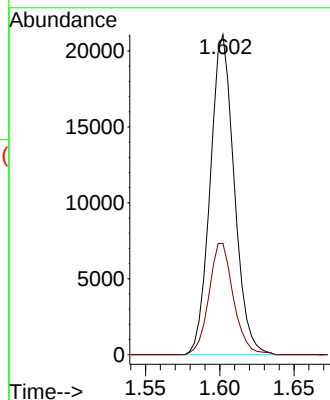
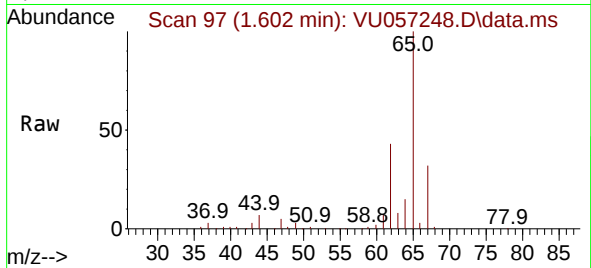




#5
 Vinyl chloride
 Concen: 1.819 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057248.D
 Acq: 26 Dec 2023 20:48

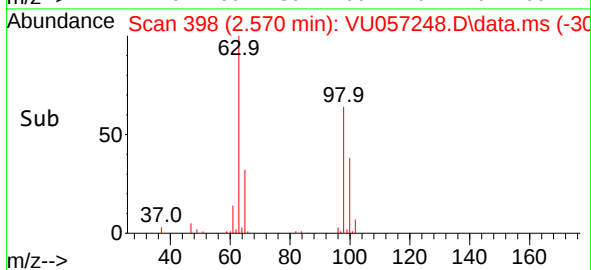
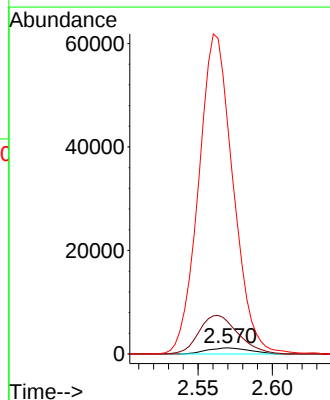
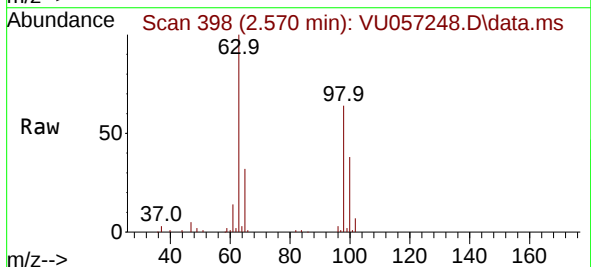
Instrument :
 MSVOA_U
 ClientSampleId :
 BH7W4

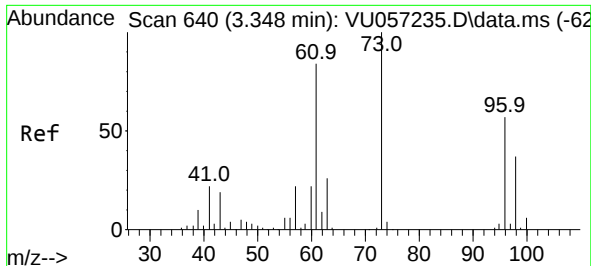
Tgt Ion: 62 Resp: 23683
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.3 43.3



#12
 1,1-Dichloroethene
 Concen: 0.208 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU057248.D
 Acq: 26 Dec 2023 20:48

Tgt Ion: 96 Resp: 2320
 Ion Ratio Lower Upper
 96 100
 61 532.6 119.6 222.0#
 63 3774.4 96.2 178.8#

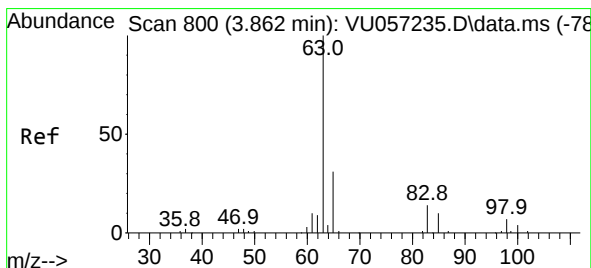
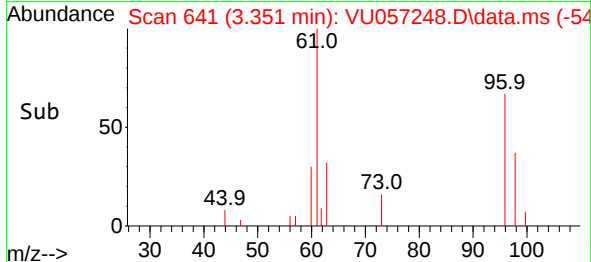
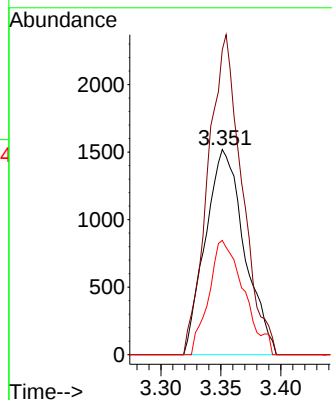
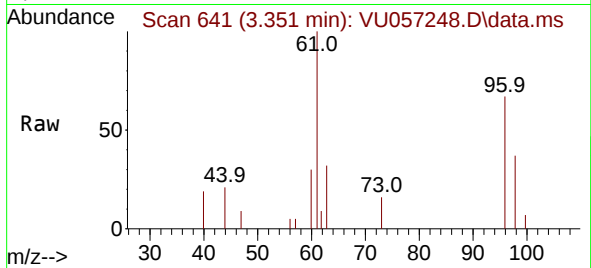




#18
trans-1,2-Dichloroethene
Concen: 0.316 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU057248.D
Acq: 26 Dec 2023 20:48

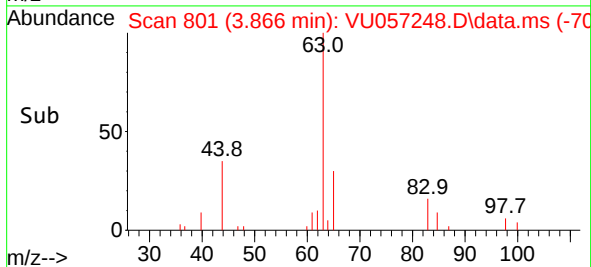
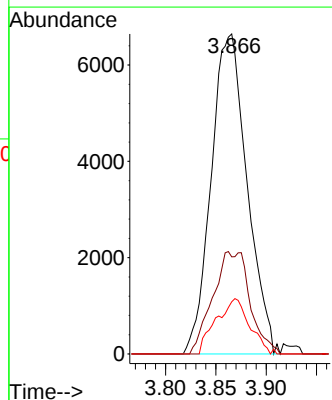
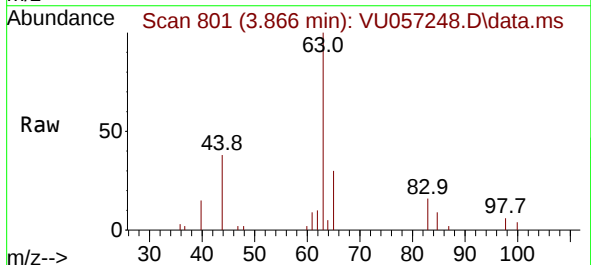
Instrument :
MSVOA_U
ClientSampleId :
BH7W4

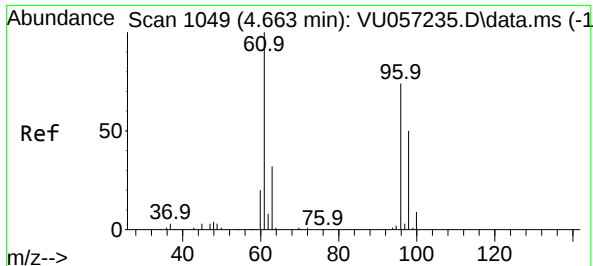
Tgt Ion: 96 Resp: 3431
Ion Ratio Lower Upper
96 100
61 148.6 98.4 182.8
98 55.7 43.6 81.0



#19
1,1-Dichloroethane
Concen: 0.765 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU057248.D
Acq: 26 Dec 2023 20:48

Tgt Ion: 63 Resp: 16496
Ion Ratio Lower Upper
63 100
65 30.3 21.6 40.2
83 16.3 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 17.852 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU057248.D

Acq: 26 Dec 2023 20:48

Instrument :

MSVOA_U

ClientSampleId :

BH7W4

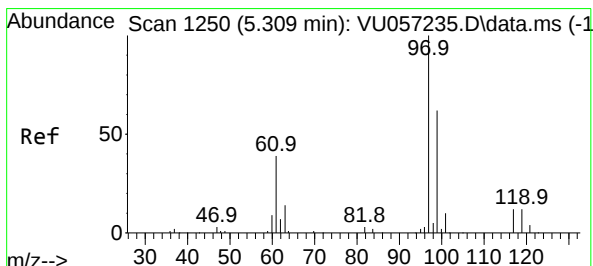
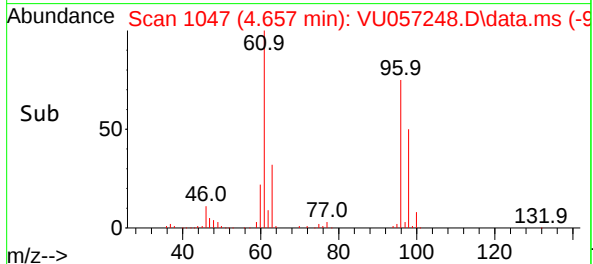
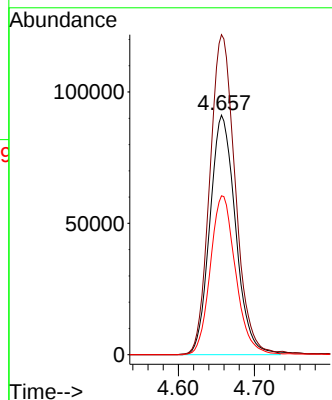
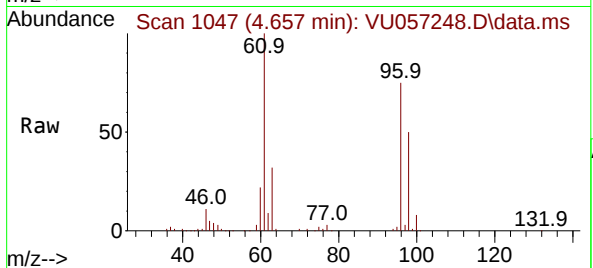
Tgt Ion: 96 Resp: 213503

Ion Ratio Lower Upper

96 100

61 133.6 86.8 161.2

98 66.3 45.5 84.5



#29

1,1,1-Trichloroethane

Concen: 1.538 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU057248.D

Acq: 26 Dec 2023 20:48

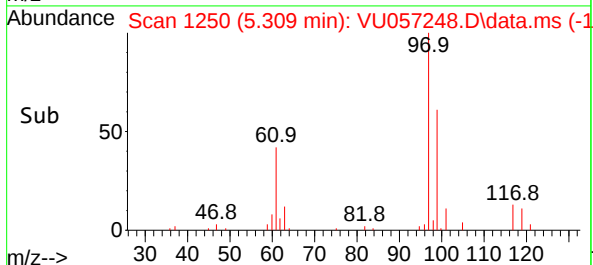
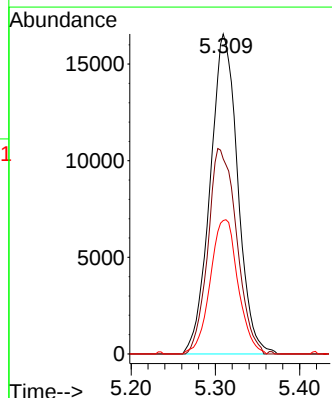
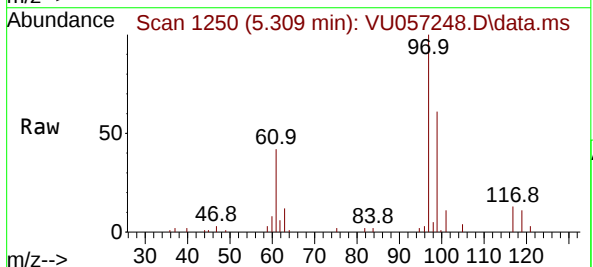
Tgt Ion: 97 Resp: 37682

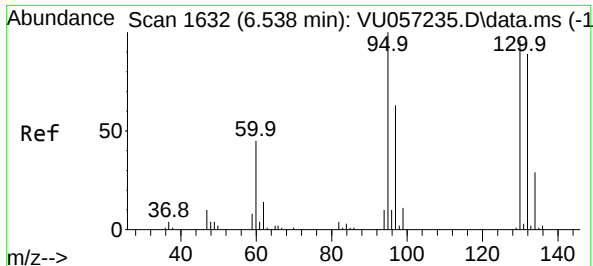
Ion Ratio Lower Upper

97 100

99 66.6 51.2 76.8

61 42.2 32.5 48.7

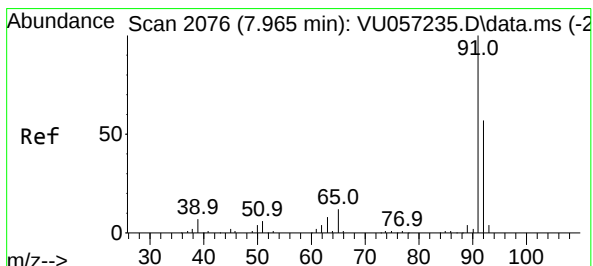
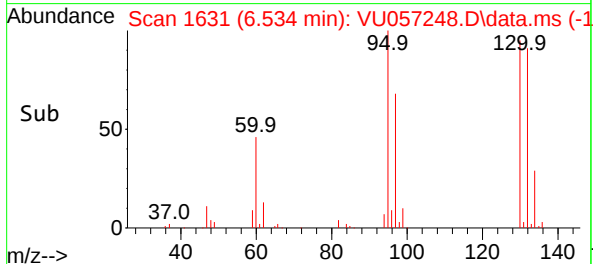
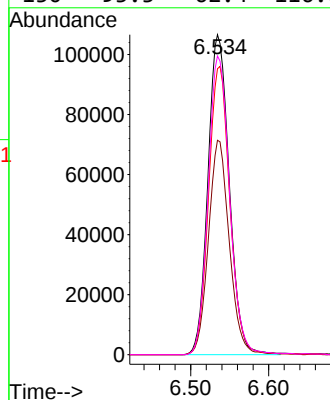
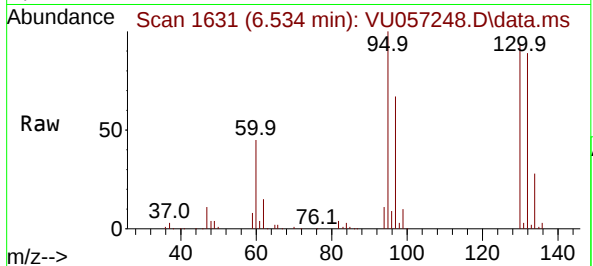




#34
 Trichloroethene
 Concen: 14.235 ug/L
 RT: 6.534 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU057248.D
 Acq: 26 Dec 2023 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 BH7W4

Tgt Ion: 95 Resp: 203400
 Ion Ratio Lower Upper
 95 100
 97 67.0 44.3 82.3
 132 89.4 62.6 116.2
 130 93.3 62.4 116.0



#42
 Toluene
 Concen: 0.227 ug/L
 RT: 7.965 min Scan# 2076
 Delta R.T. 0.000 min
 Lab File: VU057248.D
 Acq: 26 Dec 2023 20:48

Tgt Ion: 91 Resp: 11752
 Ion Ratio Lower Upper
 91 100
 92 56.7 40.5 75.1

