

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057103.D
 Acq On : 20 Dec 2023 19:41
 Operator : MD/SY
 Sample : 05949-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 23:48:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 23:41:59 2023
 Response via : Initial Calibration

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

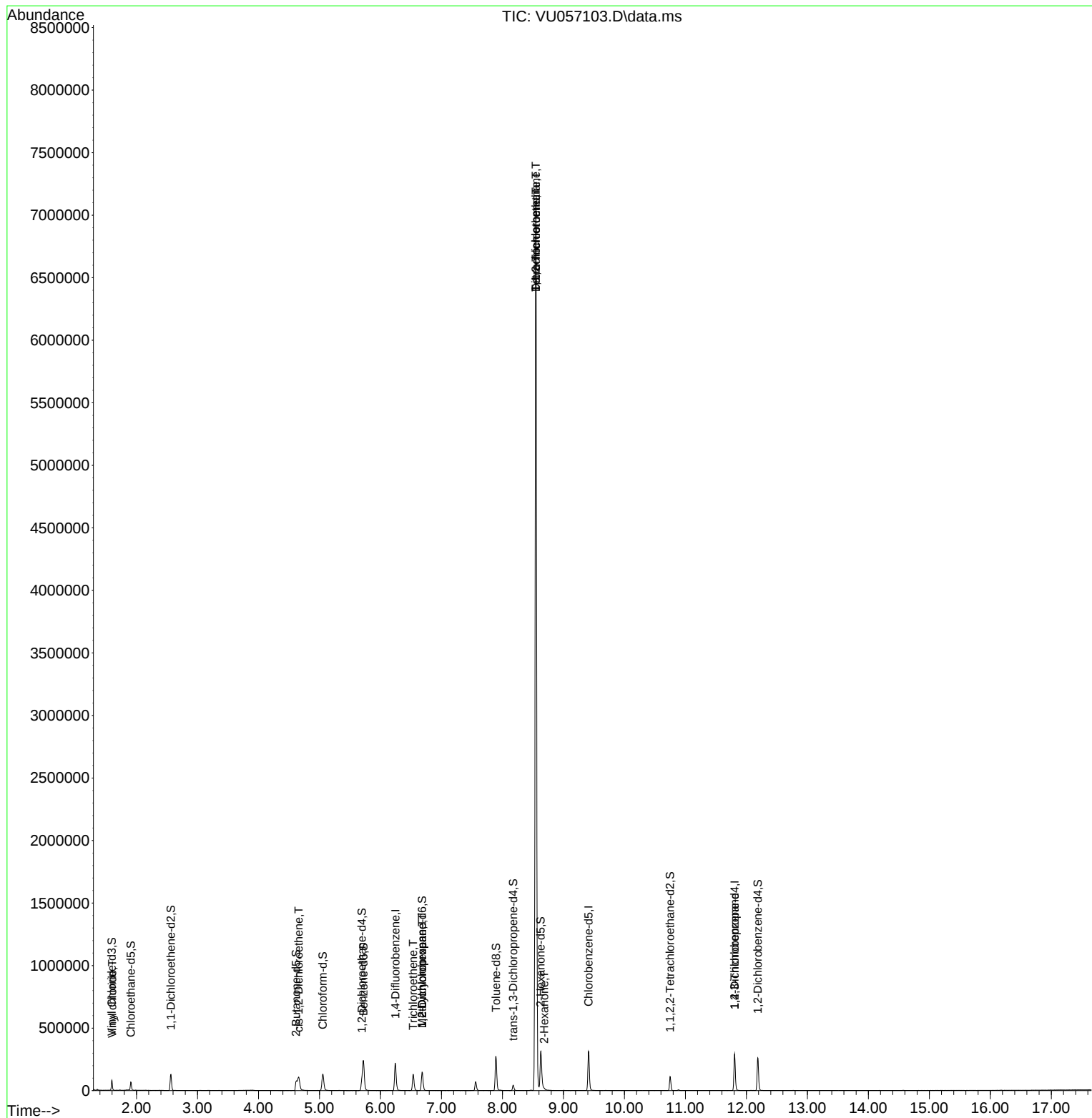
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	173313	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	180828	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	80150	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	54733	3.684	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.907	69	47186	4.245	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.563	65	24842	3.908	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.200%
20) 2-Butanone-d5	4.618	46	118287	40.319	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.640%
24) Chloroform-d	5.055	84	126811	4.508	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.695	65	64637	4.855	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.721	84	223357	3.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
36) 1,2-Dichloropropane-d6	6.682	67	68684	3.912	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.200%
41) Toluene-d8	7.894	98	189458	3.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.600%
43) trans-1,3-Dichloroprop...	8.177	79	27296	4.009	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.627	63	105502	41.088	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	53442	4.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	71505	4.538	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
5) Vinyl chloride	1.602	62	2734	0.154	ug/L #	72
22) cis-1,2-Dichloroethene	4.660	96	51252	3.302	ug/L	97
34) Trichloroethene	6.537	95	46244	2.653	ug/L	97
35) Methylcyclohexane	6.685	83	18509	0.719	ug/L #	17
37) 1,2-Dichloropropane	6.682	63	7582	0.466	ug/L #	88
45) 1,1,2-Trichloroethane	8.547	97	15951	1.451	ug/L #	12
47) Tetrachloroethene	8.547	164	1499838	122.936	ug/L	98
48) 2-Hexanone	8.685	43	3558	0.647	ug/L #	39
49) Dibromochloromethane	8.547	129	1577309	124.858	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	8564	0.995	ug/L #	67

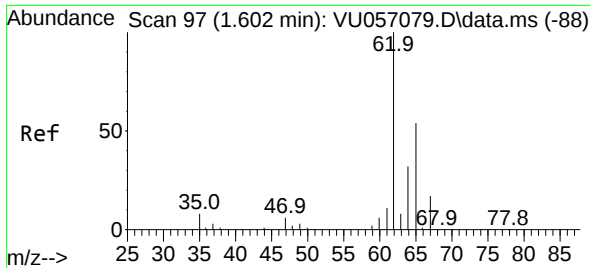
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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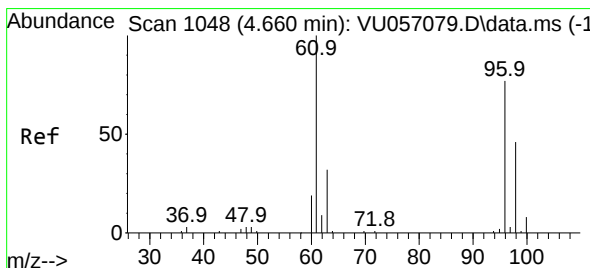
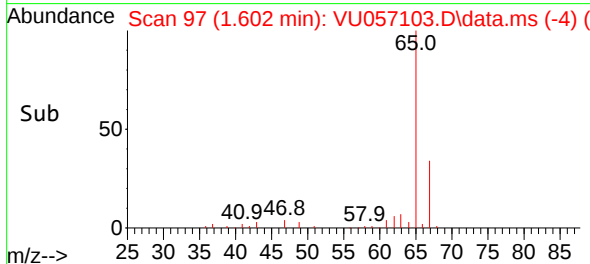
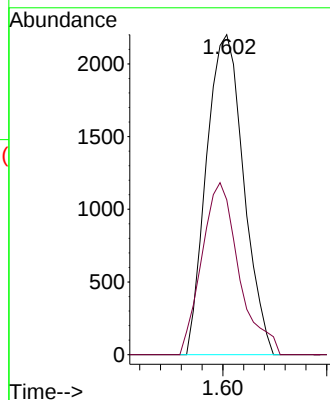
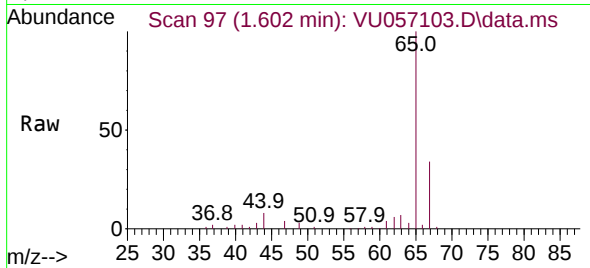




#5
 Vinyl chloride
 Concen: 0.154 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057103.D
 Acq: 20 Dec 2023 19:41

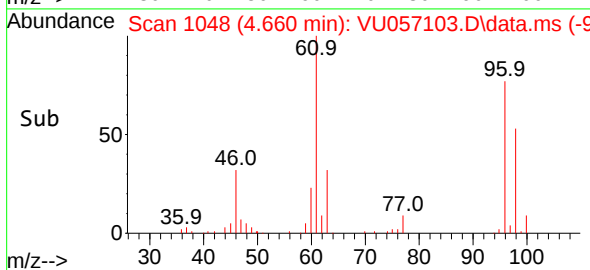
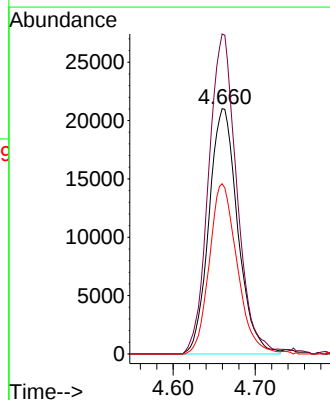
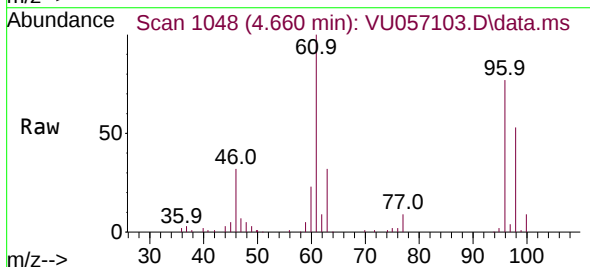
Instrument :
 MSVOA_U
 ClientSampleId :

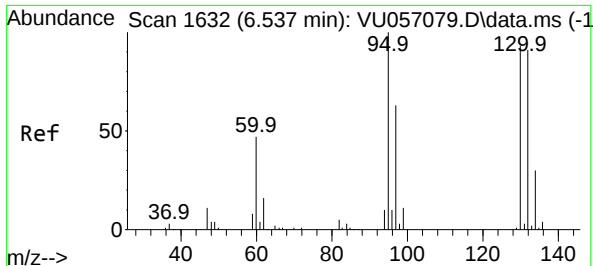
Tgt Ion: 62 Resp: 2734
 Ion Ratio Lower Upper
 62 100
 64 48.4 22.8 42.4#



#22
 cis-1,2-Dichloroethene
 Concen: 3.302 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU057103.D
 Acq: 20 Dec 2023 19:41

Tgt Ion: 96 Resp: 51252
 Ion Ratio Lower Upper
 96 100
 61 130.5 91.3 169.6
 98 69.4 44.2 82.0

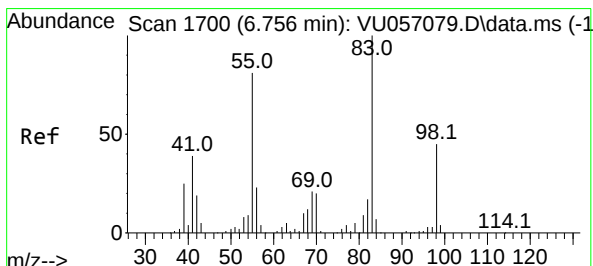
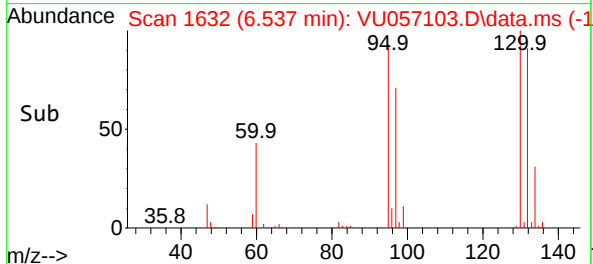
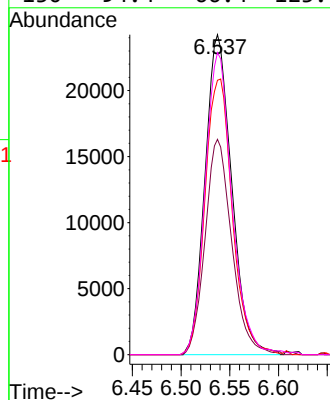
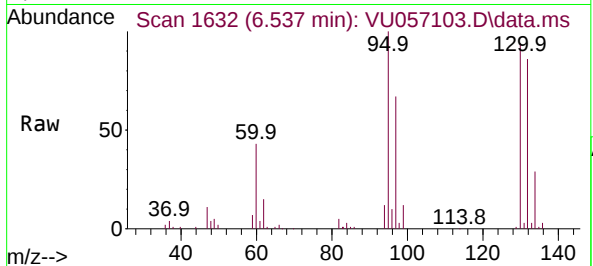




#34
Trichloroethene
Concen: 2.653 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41

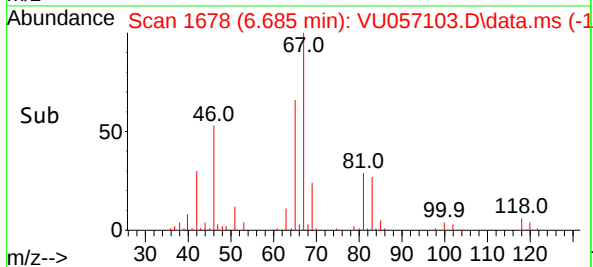
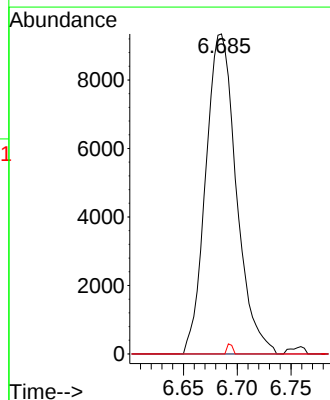
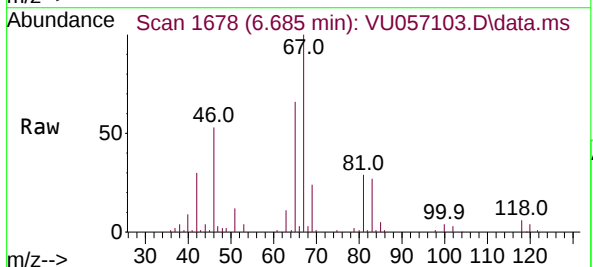
Instrument :
MSVOA_U
ClientSampleId :

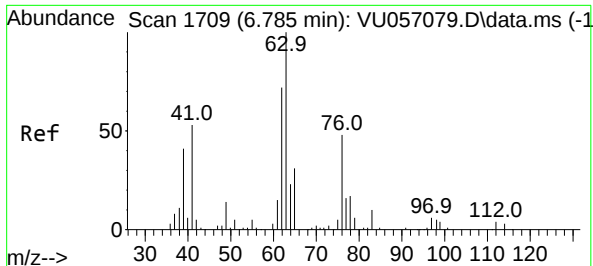
Tgt Ion:	95	Resp:	46244
Ion	Ratio	Lower	Upper
95	100		
97	67.3	46.1	85.5
132	85.7	63.6	118.0
130	94.4	66.4	123.4



#35
Methylcyclohexane
Concen: 0.719 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41

Tgt Ion:	83	Resp:	18509
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	0.6	36.1	54.1#

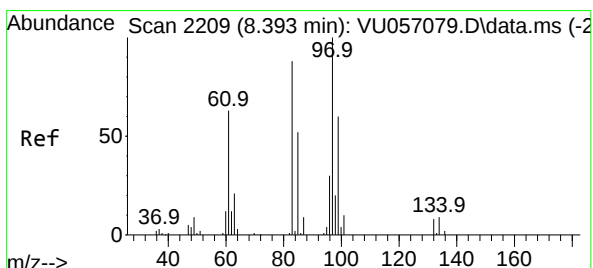
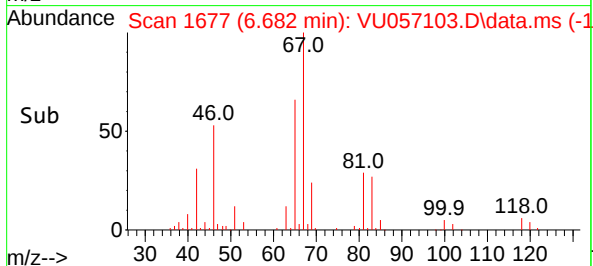
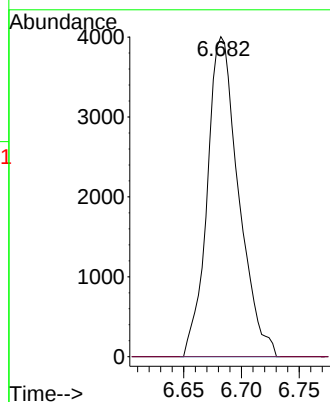
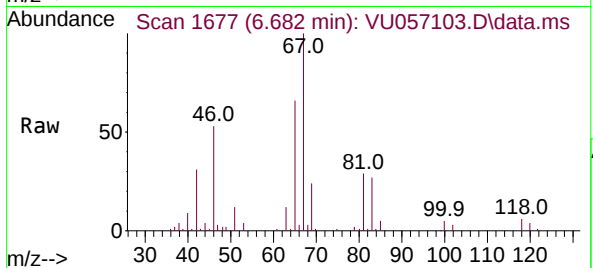




#37
1,2-Dichloropropane
Concen: 0.466 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41

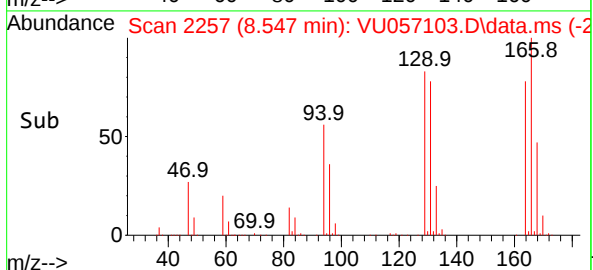
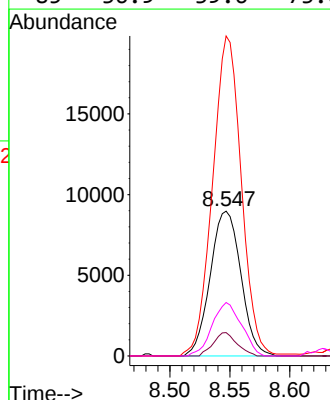
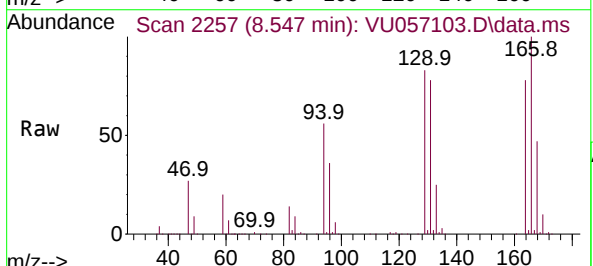
Instrument :
MSVOA_U
ClientSampleId :

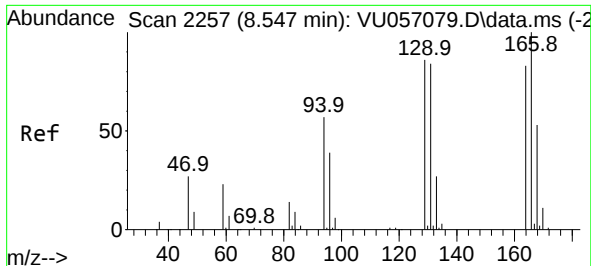
Tgt Ion: 63 Resp: 7582
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#45
1,1,2-Trichloroethane
Concen: 1.451 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.154 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41

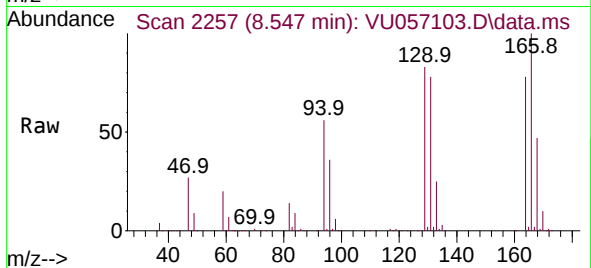
Tgt Ion: 97 Resp: 15951
Ion Ratio Lower Upper
97 100
99 16.1 41.9 77.9#
83 220.9 59.1 109.7#
85 36.9 39.6 73.6#



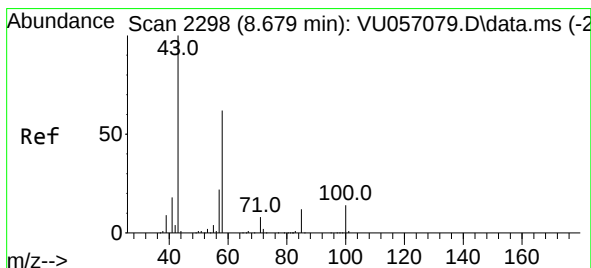
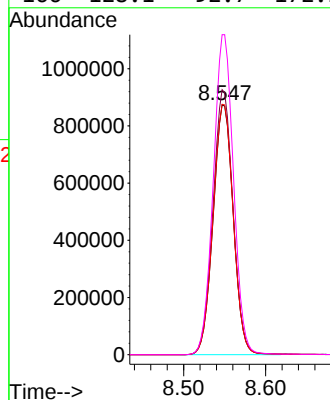
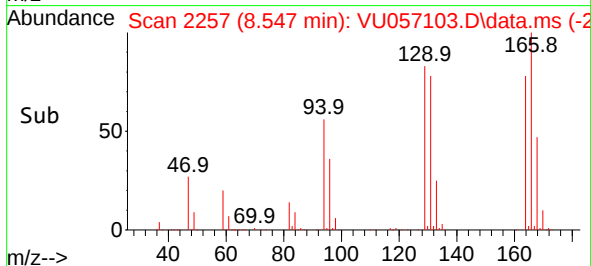


#47
Tetrachloroethene
Concen: 122.936 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41

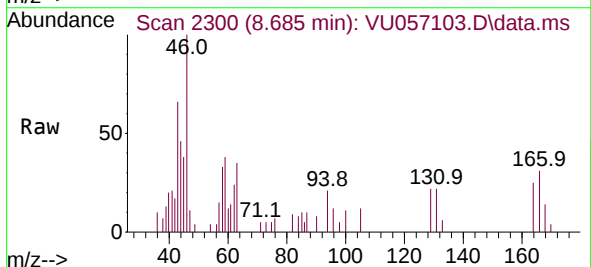
Instrument :
MSVOA_U
ClientSampleId :



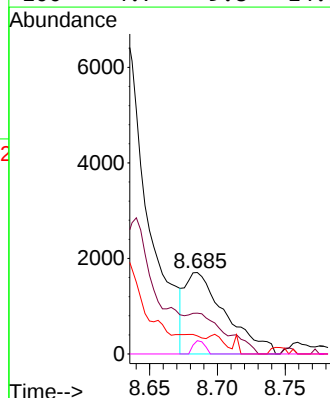
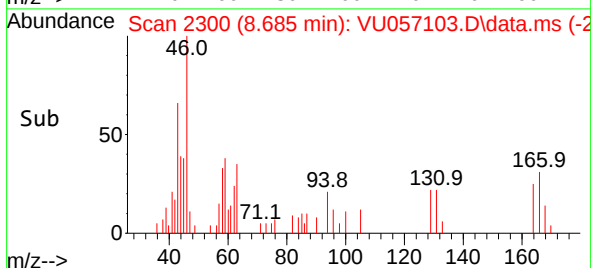
Tgt Ion:164 Resp: 1499838
Ion Ratio Lower Upper
164 100
129 106.0 73.4 136.4
131 100.2 71.5 132.9
166 128.1 92.7 172.1

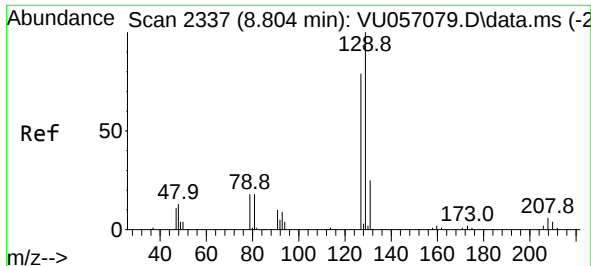


#48
2-Hexanone
Concen: 0.647 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41



Tgt Ion: 43 Resp: 3558
Ion Ratio Lower Upper
43 100
58 0.0 47.5 71.3#
57 5.3 17.0 25.4#
100 4.7 9.8 14.8#

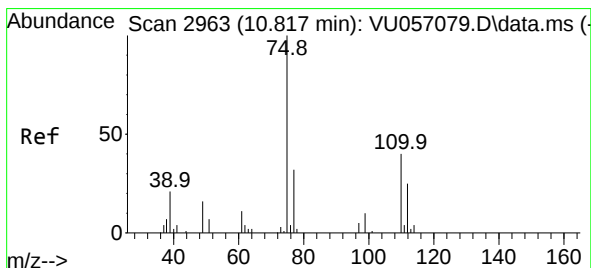
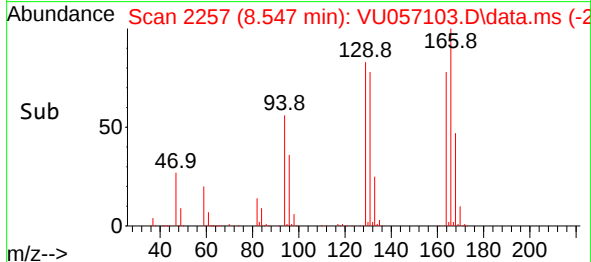
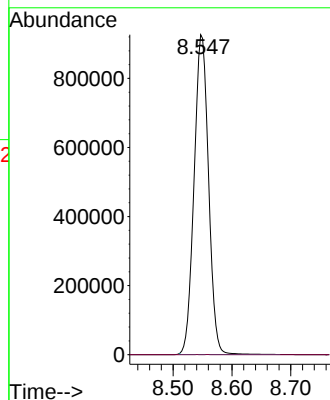
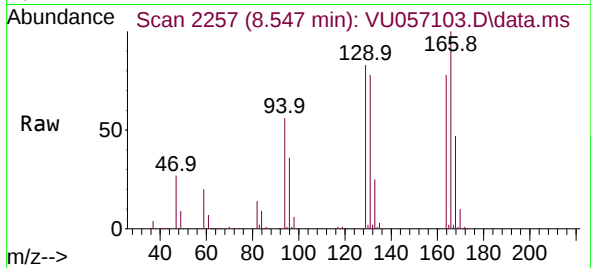




#49
Dibromochloromethane
Concen: 124.858 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 1577309
Ion Ratio Lower Upper
129 100
127 0.0 53.9 100.1#



#61
1,2,3-Trichloropropane
Concen: 0.995 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU057103.D
Acq: 20 Dec 2023 19:41

Tgt Ion: 75 Resp: 8564
Ion Ratio Lower Upper
75 100
110 1.8 28.4 42.6#
77 36.2 26.3 39.5

