

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090623\
 Data File : VU055156.D
 Acq On : 06 Sep 2023 22:08
 Operator : MD/SY
 Sample : 04286-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4F5

Quant Time: Sep 06 22:31:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

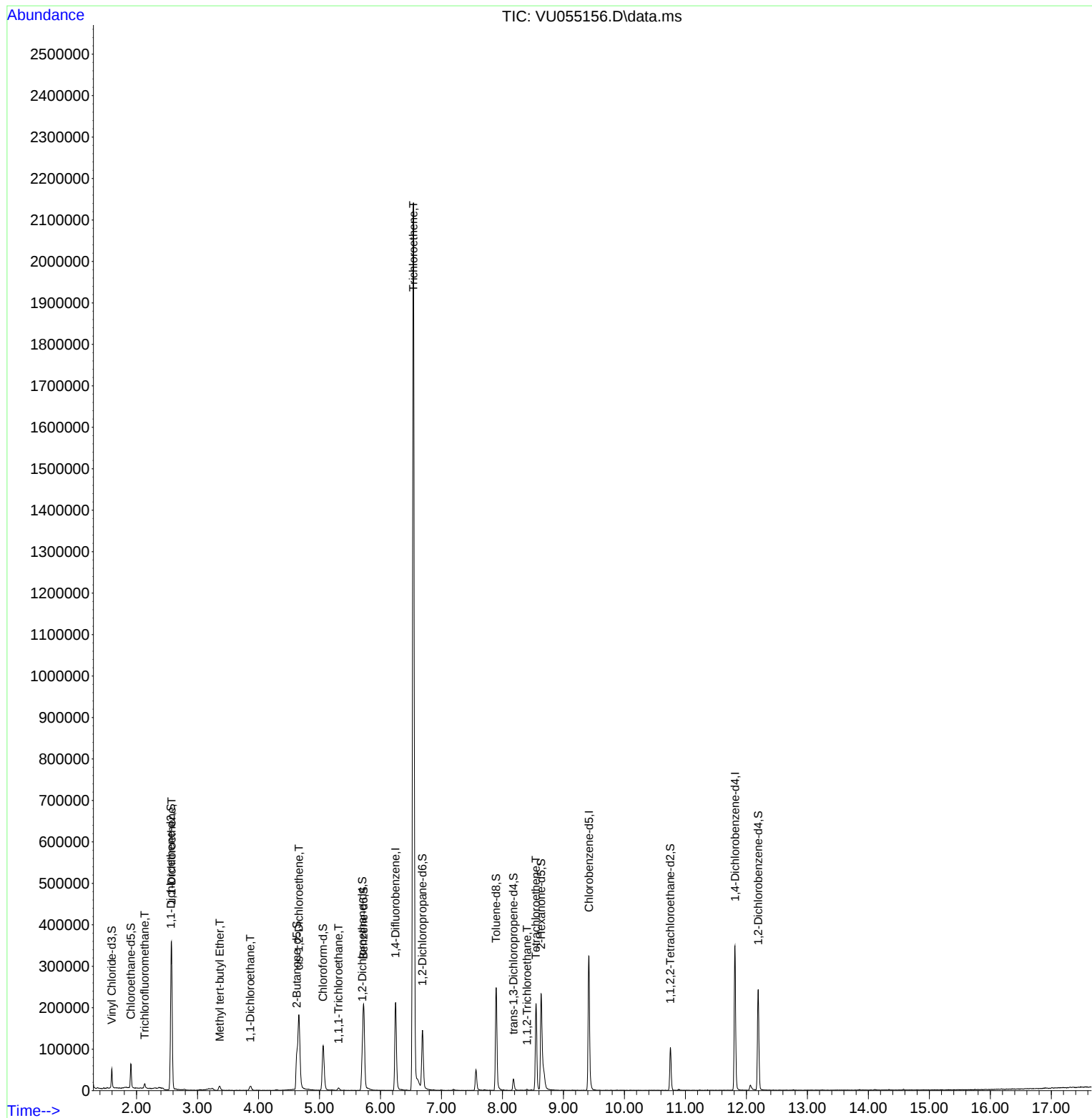
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	168643	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	175064	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	86490	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	31002	3.922	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	78.400%	
7) Chloroethane-d5	1.907	69	39826	4.353	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	87.000%	
11) 1,1-Dichloroethene-d2	2.563	65	20580	4.570	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	91.400%	
20) 2-Butanone-d5	4.628	46	129798	56.590	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	113.180%	
24) Chloroform-d	5.058	84	99709	4.754	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.000%	
26) 1,2-Dichloroethane-d4	5.702	65	53079	5.058	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.200%	
32) Benzene-d6	5.724	84	192655	4.458	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.200%	
36) 1,2-Dichloropropane-d6	6.689	67	65449	4.762	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	95.200%	
41) Toluene-d8	7.898	98	167347	4.204	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.000%	
43) trans-1,3-Dichloroprop...	8.181	79	16045	4.239	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.800%	
46) 2-Hexanone-d5	8.634	63	75659	49.237	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	98.480%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	49595	5.131	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	102.600%	
66) 1,2-Dichlorobenzene-d4	12.193	152	60110	4.761	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	95.200%	
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.133	101	6158	0.402	ug/L	99
12) 1,1-Dichloroethene	2.576	96	99451	12.756	ug/L #	78
17) Methyl tert-butyl Ether	3.364	73	8797	0.430	ug/L #	94
19) 1,1-Dichloroethane	3.866	63	12625	0.739	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	81838	8.452	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	4233	0.280	ug/L	88
34) Trichloroethene	6.541	95	724032	69.922	ug/L	98
45) 1,1,2-Trichloroethane	8.406	97	784	0.115	ug/L	81
47) Tetrachloroethene	8.550	164	43836	6.125	ug/L	99

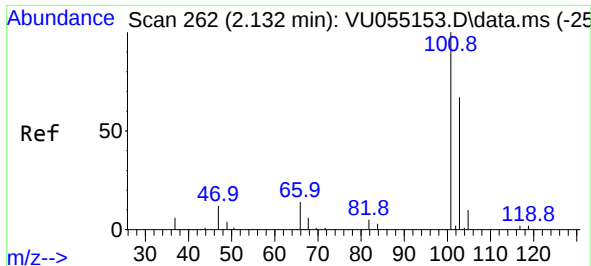
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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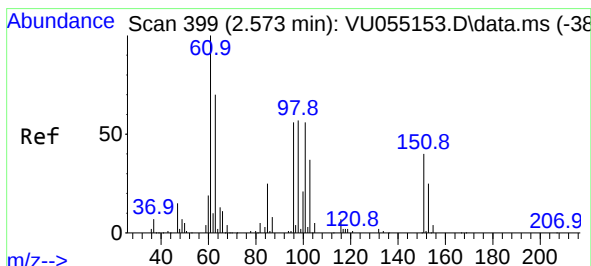
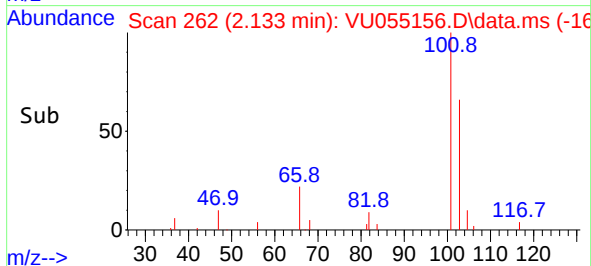
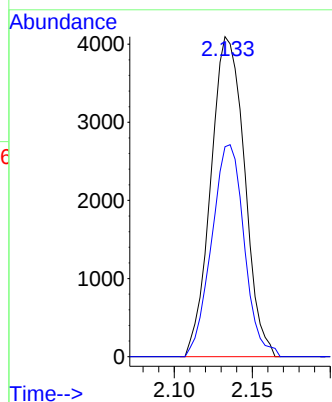
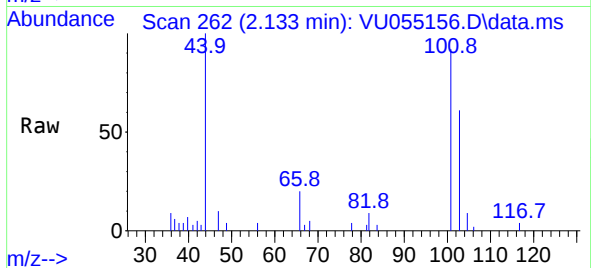




#9
Trichlorofluoromethane
Concen: 0.402 ug/L
RT: 2.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU055156.D
Acq: 06 Sep 2023 22:08

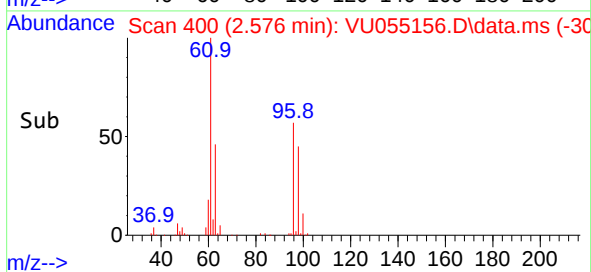
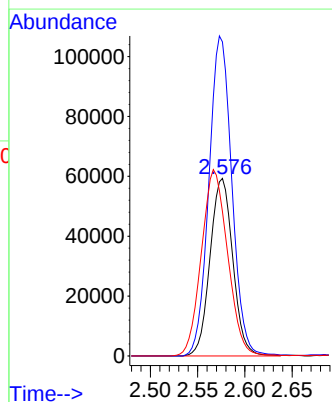
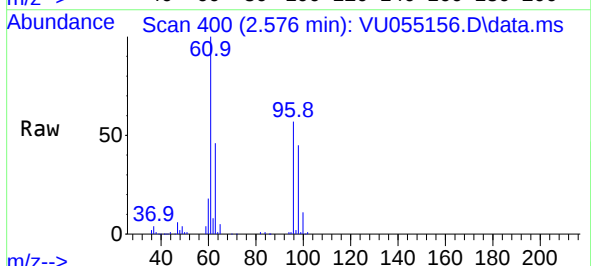
Instrument :
MSVOA_U
ClientSampleId :
BH4F5

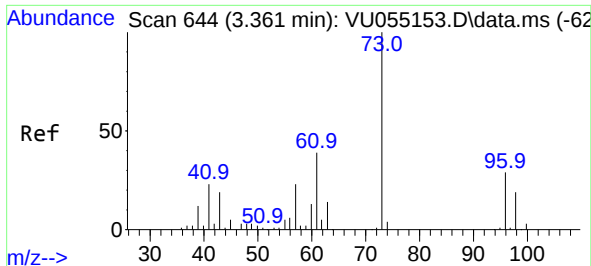
Tgt Ion:101 Resp: 6158
Ion Ratio Lower Upper
101 100
103 64.0 51.9 77.9



#12
1,1-Dichloroethene
Concen: 12.756 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU055156.D
Acq: 06 Sep 2023 22:08

Tgt Ion: 96 Resp: 99451
Ion Ratio Lower Upper
96 100
61 176.9 120.8 224.4
63 81.3 94.5 175.5#

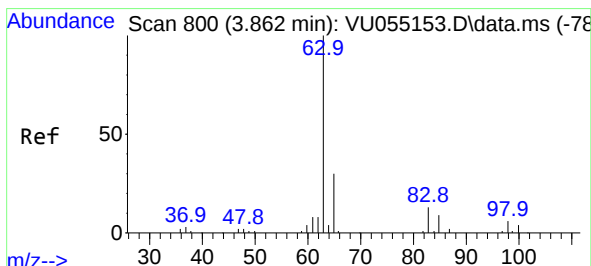
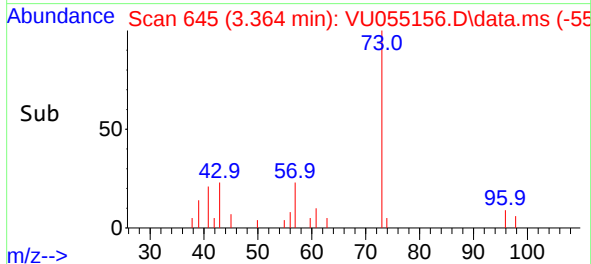
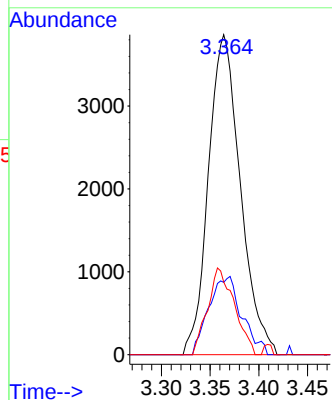
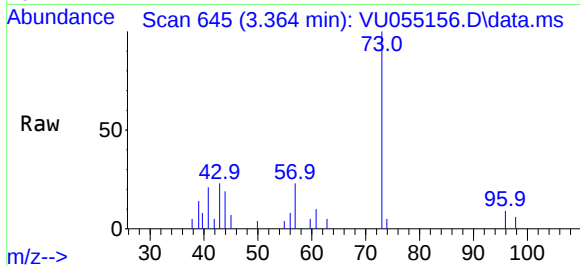




#17
Methyl tert-butyl Ether
Concen: 0.430 ug/L
RT: 3.364 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055156.D
Acq: 06 Sep 2023 22:08

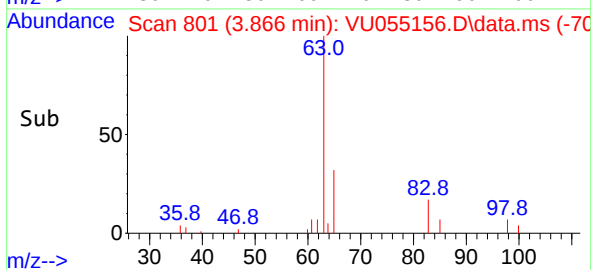
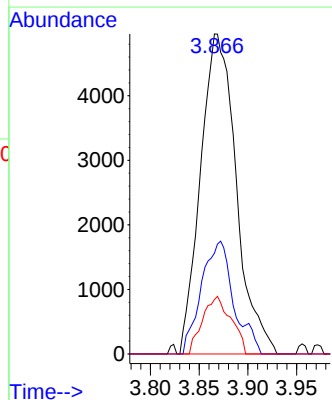
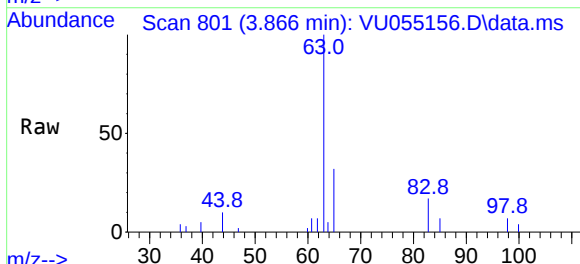
Instrument :
MSVOA_U
ClientSampleId :
BH4F5

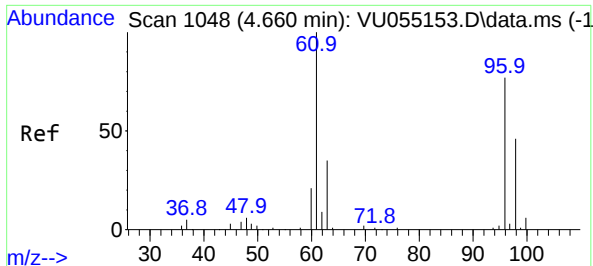
Tgt Ion: 73 Resp: 8797
Ion Ratio Lower Upper
73 100
43 25.3 16.2 24.2#
57 22.7 17.4 26.2



#19
1,1-Dichloroethane
Concen: 0.739 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055156.D
Acq: 06 Sep 2023 22:08

Tgt Ion: 63 Resp: 12625
Ion Ratio Lower Upper
63 100
65 30.0 22.2 41.2
83 16.2 10.6 19.8

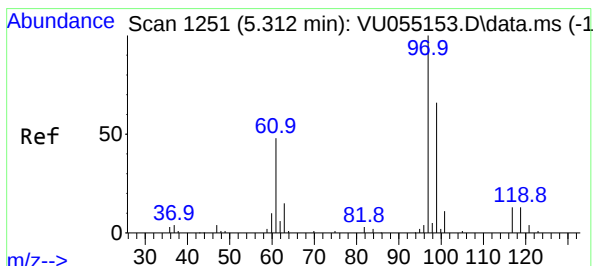
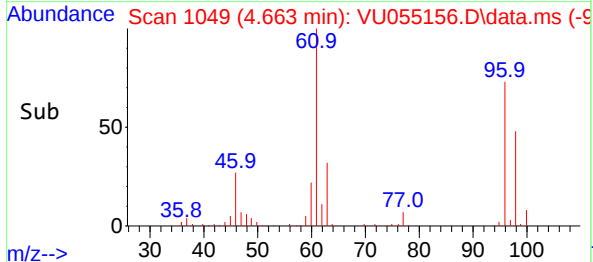
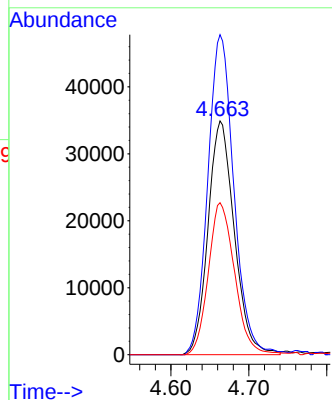
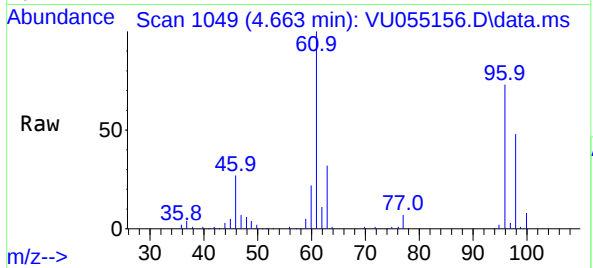




#22
 cis-1,2-Dichloroethene
 Concen: 8.452 ug/L
 RT: 4.663 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU055156.D
 Acq: 06 Sep 2023 22:08

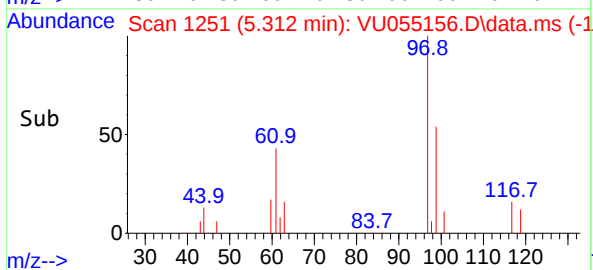
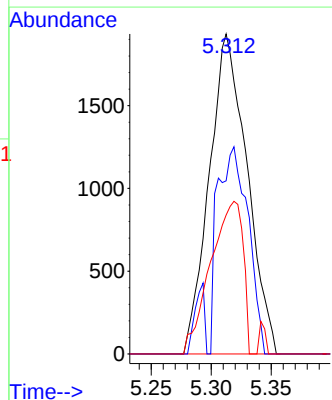
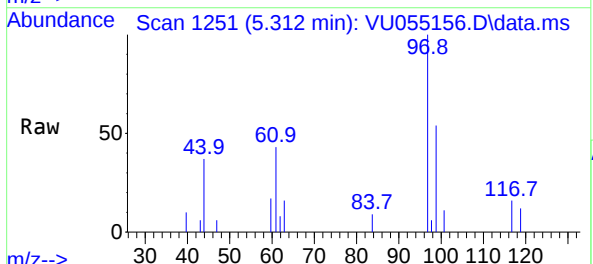
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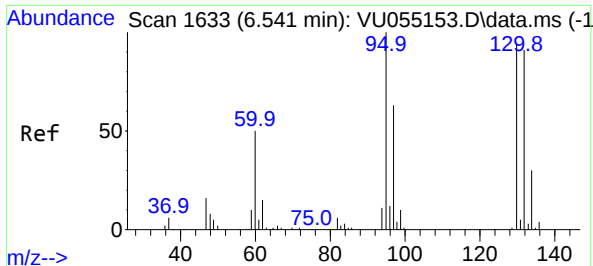
Tgt Ion: 96 Resp: 81838
 Ion Ratio Lower Upper
 96 100
 61 136.9 97.2 180.4
 98 65.0 46.1 85.7



#29
 1,1,1-Trichloroethane
 Concen: 0.280 ug/L
 RT: 5.312 min Scan# 1251
 Delta R.T. 0.000 min
 Lab File: VU055156.D
 Acq: 06 Sep 2023 22:08

Tgt Ion: 97 Resp: 4233
 Ion Ratio Lower Upper
 97 100
 99 52.3 51.8 77.8
 61 41.0 36.8 55.2

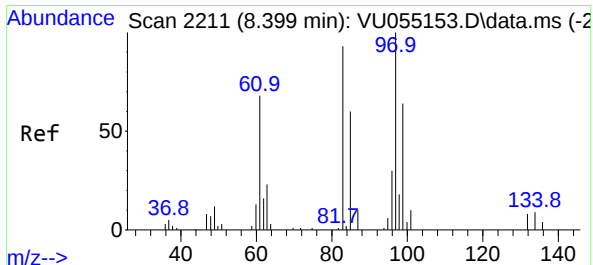
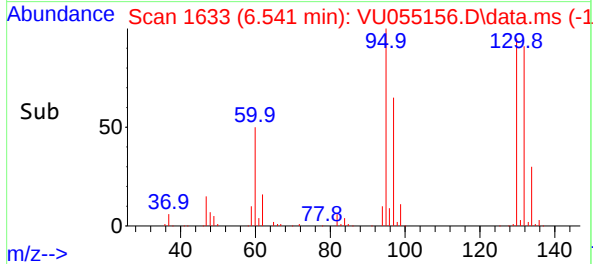
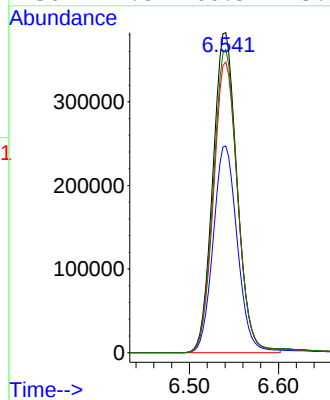
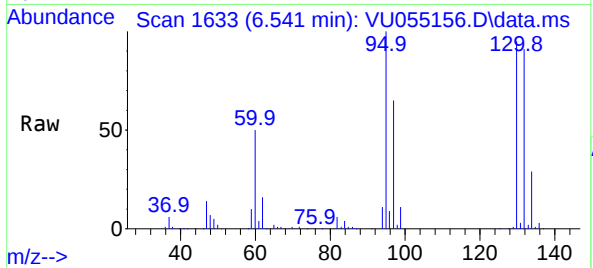




#34
Trichloroethene
Concen: 69.922 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055156.D
Acq: 06 Sep 2023 22:08

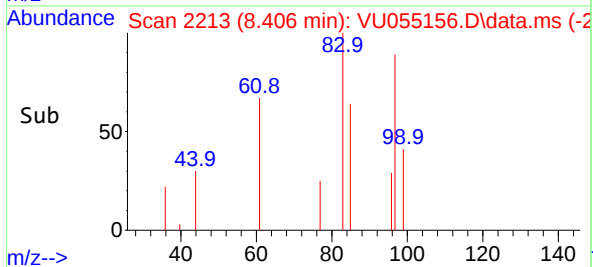
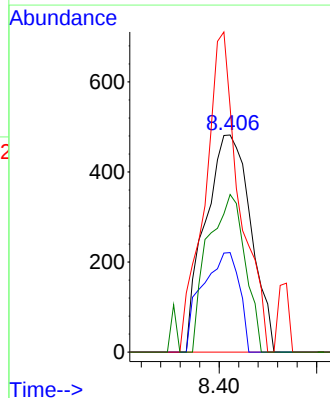
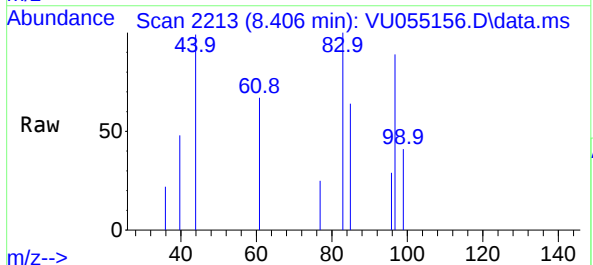
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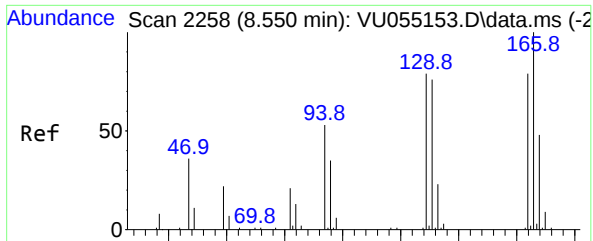
Tgt Ion: 95 Resp: 724032
Ion Ratio Lower Upper
95 100
97 64.6 44.7 83.1
132 90.9 66.6 123.6
130 94.8 66.5 123.5



#45
1,1,2-Trichloroethane
Concen: 0.115 ug/L
RT: 8.406 min Scan# 2213
Delta R.T. 0.007 min
Lab File: VU055156.D
Acq: 06 Sep 2023 22:08

Tgt Ion: 97 Resp: 784
Ion Ratio Lower Upper
97 100
99 45.9 44.9 83.5
83 112.9 66.9 124.3
85 72.6 42.2 78.4





#47
Tetrachloroethene
Concen: 6.125 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055156.D
Acq: 06 Sep 2023 22:08

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Tgt Ion:164 Resp: 43836

Ion	Ratio	Lower	Upper
164	100		
129	97.6	69.2	128.6
131	94.7	68.8	127.8
166	131.9	92.3	171.5

