

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055353.D
 Acq On : 15 Sep 2023 21:04
 Operator : MD/SY
 Sample : 04380-02DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L3DL

Quant Time: Sep 16 00:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:42:29 2023
 Response via : Initial Calibration

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

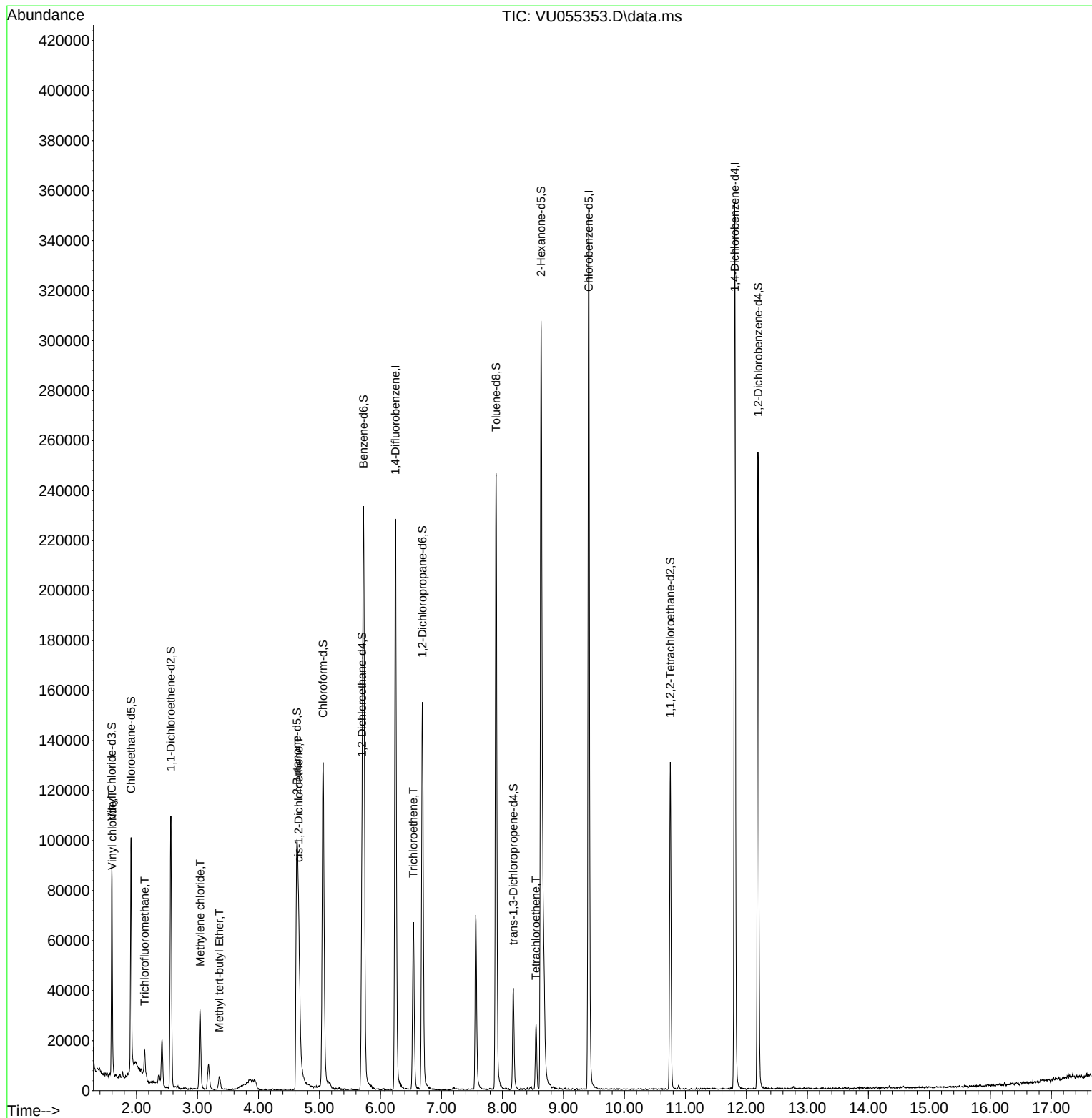
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	185047	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	190873	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	90432	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55625	5.230	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 104.600%		
7) Chloroethane-d5	1.911	69	64753	5.394	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 107.800%		
11) 1,1-Dichloroethene-d2	2.563	65	20383	5.298	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 106.000%		
20) 2-Butanone-d5	4.631	46	174182	59.223	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 118.440%		
24) Chloroform-d	5.058	84	123444	5.197	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 104.000%		
26) 1,2-Dichloroethane-d4	5.698	65	69784	5.822	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 116.400%		
32) Benzene-d6	5.724	84	215372	5.383	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 107.600%		
36) 1,2-Dichloropropane-d6	6.688	67	75430	5.533	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 110.600%		
41) Toluene-d8	7.894	98	167059	4.843	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 96.800%		
43) trans-1,3-Dichloroprop...	8.180	79	23610	4.880	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 97.600%		
46) 2-Hexanone-d5	8.634	63	96362	54.750	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 109.500%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	63516	5.357	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 107.200%		
66) 1,2-Dichlorobenzene-d4	12.193	152	63900	5.487	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 109.800%		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	4506	0.246	ug/L	90
9) Trichlorofluoromethane	2.132	101	6403	0.218	ug/L	98
16) Methylene chloride	3.042	84	14994	0.774	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	5260	0.169	ug/L #	81
22) cis-1,2-Dichloroethene	4.660	96	12912	0.771	ug/L	92
34) Trichloroethene	6.541	95	22842	1.270	ug/L	91
47) Tetrachloroethene	8.550	164	5434	0.441	ug/L	90

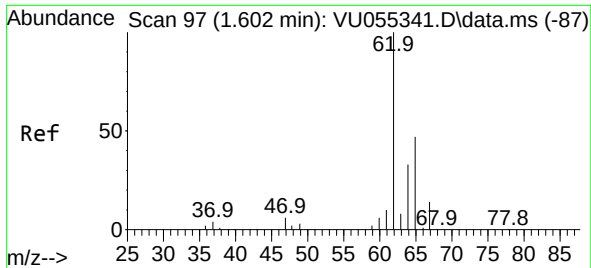
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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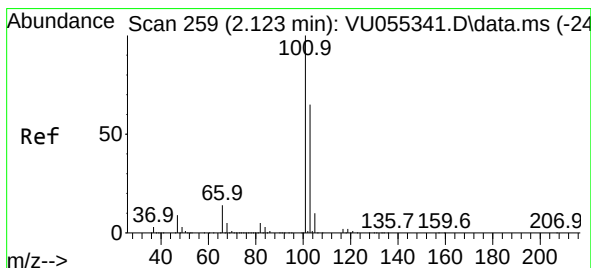
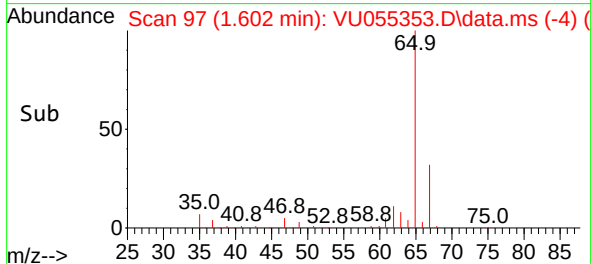
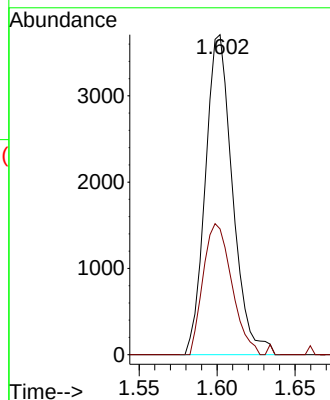
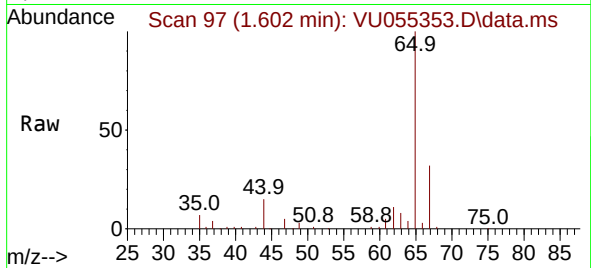




#5
 Vinyl chloride
 Concen: 0.246 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055353.D
 Acq: 15 Sep 2023 21:04

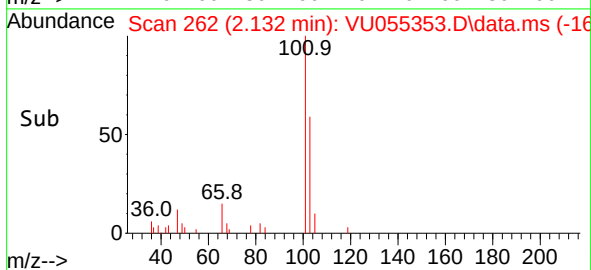
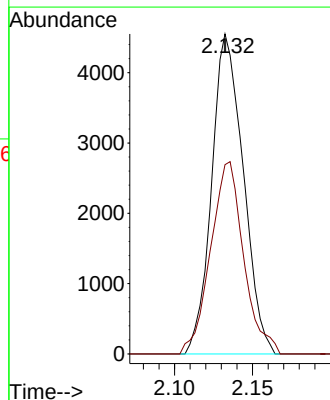
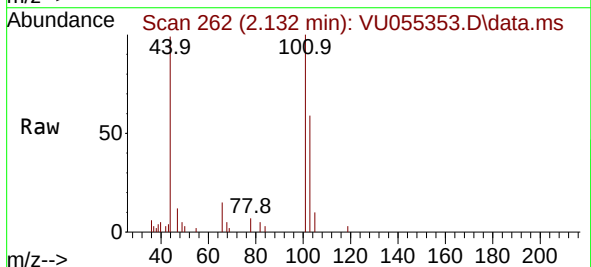
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L3DL

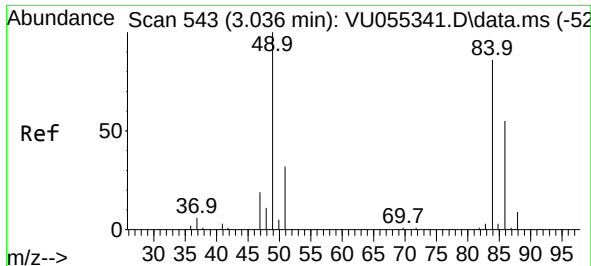
Tgt Ion: 62 Resp: 4506
 Ion Ratio Lower Upper
 62 100
 64 39.3 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 0.218 ug/L
 RT: 2.132 min Scan# 262
 Delta R.T. 0.010 min
 Lab File: VU055353.D
 Acq: 15 Sep 2023 21:04

Tgt Ion: 101 Resp: 6403
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.8 77.8

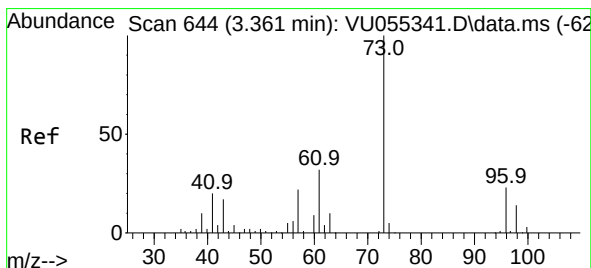
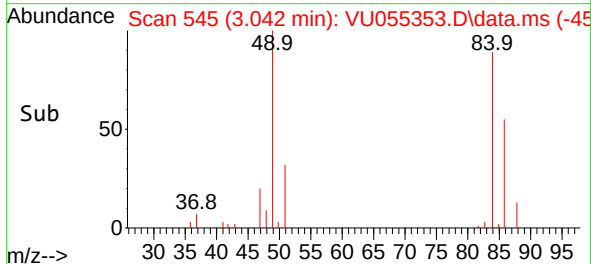
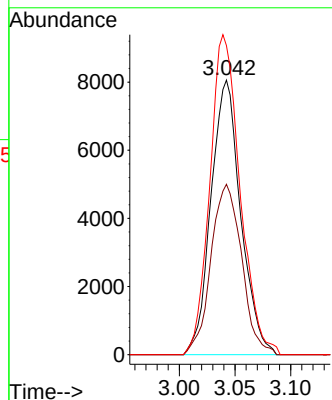
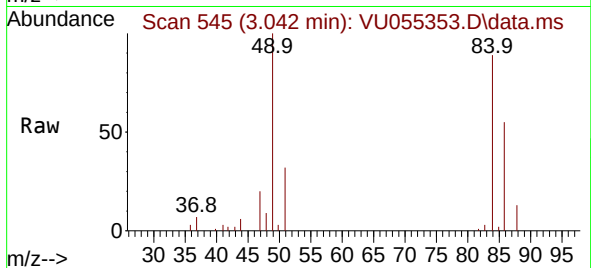




#16
Methylene chloride
Concen: 0.774 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.006 min
Lab File: VU055353.D
Acq: 15 Sep 2023 21:04

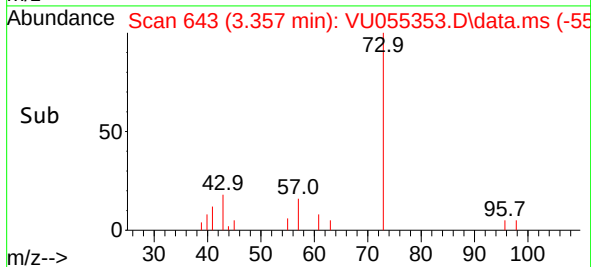
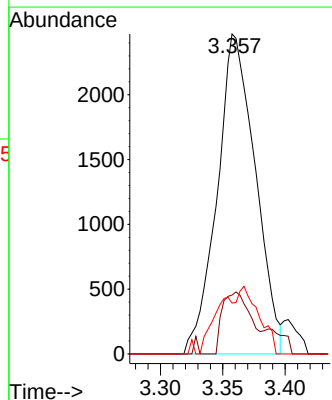
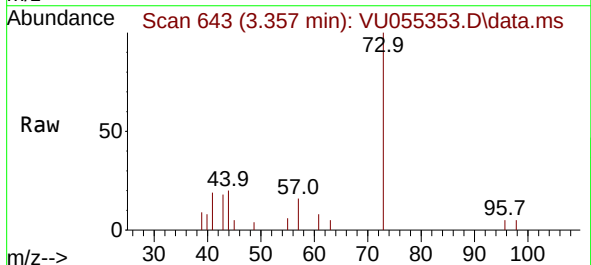
Instrument :
MSVOA_U
ClientSampleId :
BH4L3DL

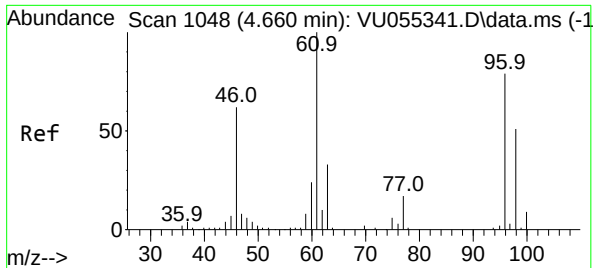
Tgt Ion: 84 Resp: 14994
Ion Ratio Lower Upper
84 100
86 62.1 42.4 78.8
49 116.2 79.9 148.3



#17
Methyl tert-butyl Ether
Concen: 0.169 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.003 min
Lab File: VU055353.D
Acq: 15 Sep 2023 21:04

Tgt Ion: 73 Resp: 5260
Ion Ratio Lower Upper
73 100
43 14.3 16.0 24.0#
57 9.3 17.2 25.8#

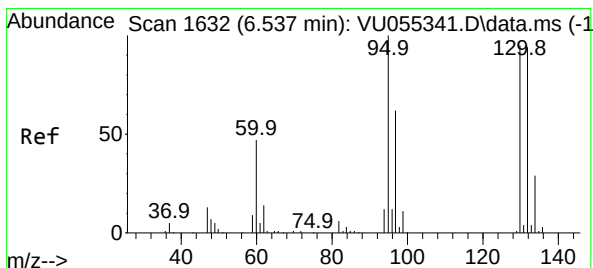
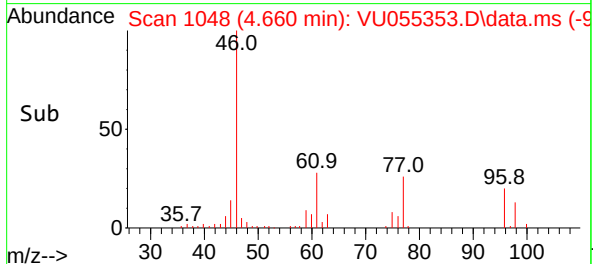
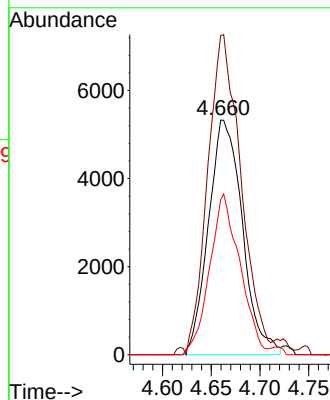
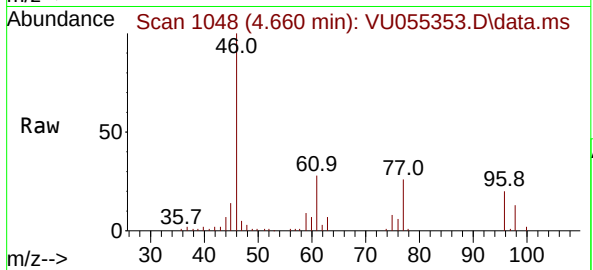




#22
cis-1,2-Dichloroethene
Concen: 0.771 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU055353.D
Acq: 15 Sep 2023 21:04

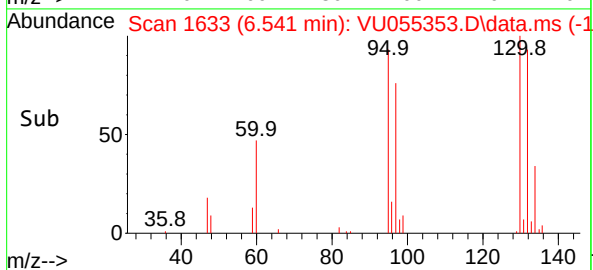
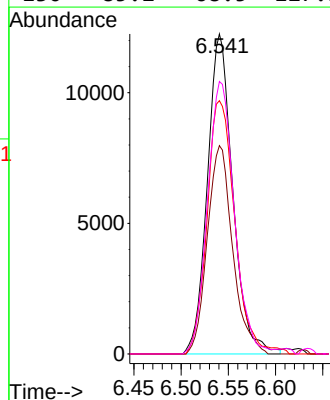
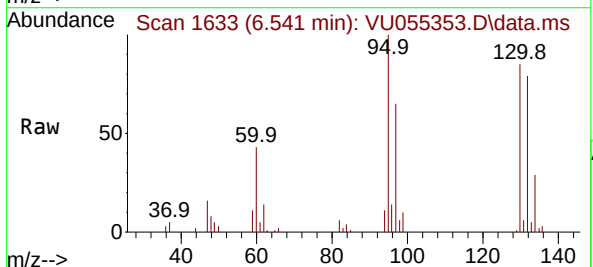
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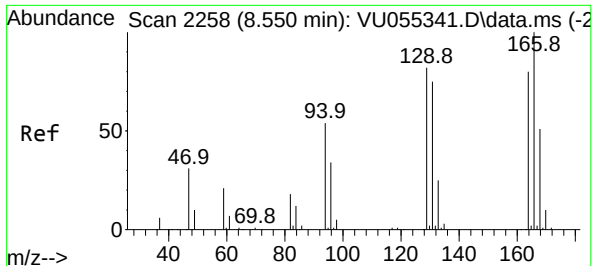
Tgt Ion: 96 Resp: 12912
Ion Ratio Lower Upper
96 100
61 136.0 88.1 163.7
98 66.0 43.5 80.7



#34
Trichloroethene
Concen: 1.270 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU055353.D
Acq: 15 Sep 2023 21:04

Tgt Ion: 95 Resp: 22842
Ion Ratio Lower Upper
95 100
97 65.1 47.4 88.0
132 79.1 60.5 112.3
130 85.2 68.5 127.1





#47
 Tetrachloroethene
 Concen: 0.441 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU055353.D
 Acq: 15 Sep 2023 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L3DL

Tgt Ion:164 Resp: 5434

Ion	Ratio	Lower	Upper
164	100		
129	90.9	76.3	141.7
131	98.7	69.1	128.3
166	137.5	87.8	163.2

