

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053761.D
 Acq On : 18 Apr 2023 15:49
 Operator : JC/MD
 Sample : 02340-21 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE22

Quant Time: Apr 19 05:01:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

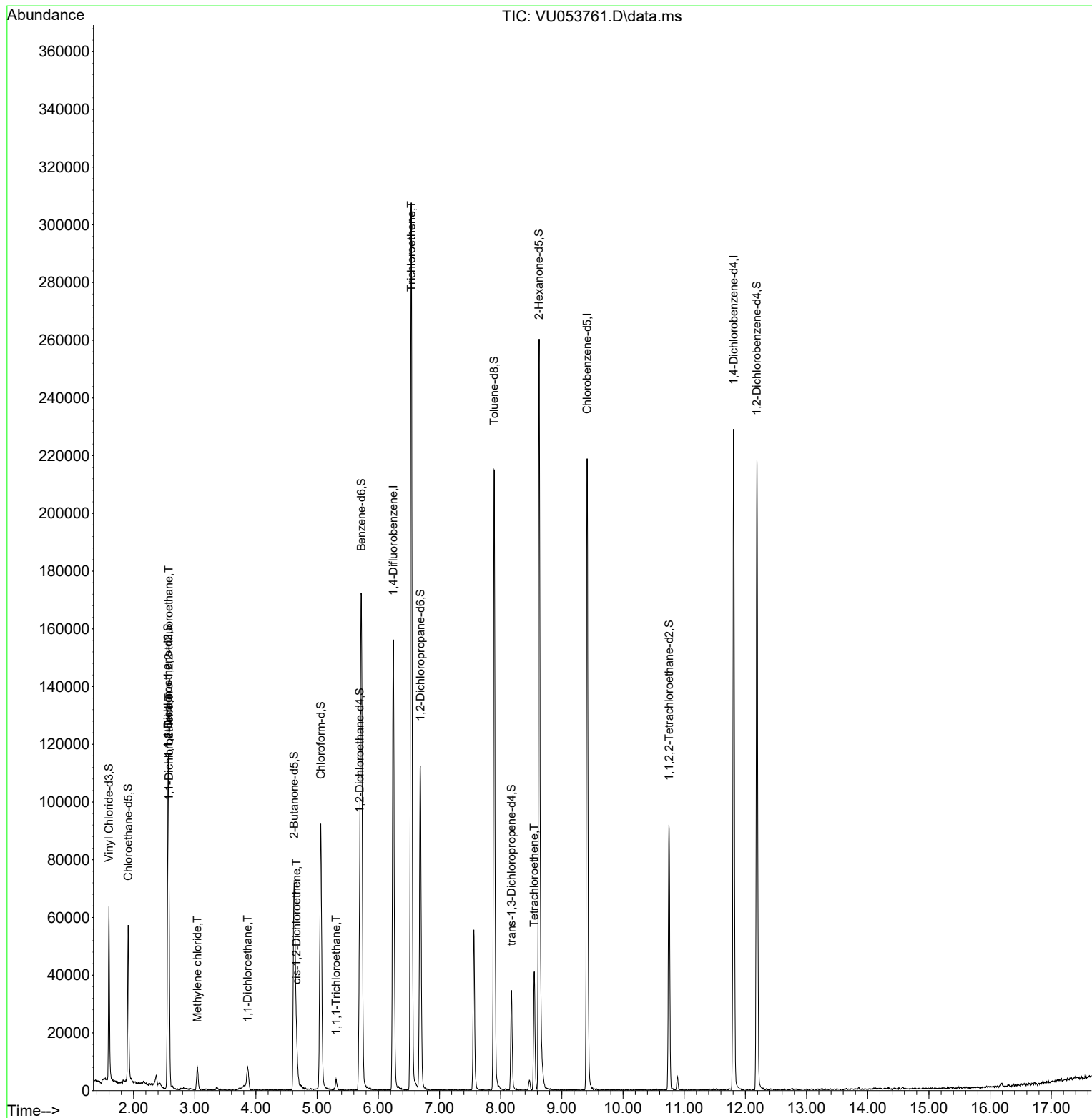
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	135954	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	131688	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	63825	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45158	4.828	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	96.600%	
7) Chloroethane-d5	1.912	69	40834	4.811	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.200%	
11) 1,1-Dichloroethene-d2	2.562	65	16724	4.198	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	84.000%	
20) 2-Butanone-d5	4.623	46	110891	51.755	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	103.520%	
24) Chloroform-d	5.060	84	85717	4.944	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.800%	
26) 1,2-Dichloroethane-d4	5.697	65	45357	5.105	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.000%	
32) Benzene-d6	5.723	84	170488	4.568	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.400%	
36) 1,2-Dichloropropane-d6	6.687	67	56163	4.939	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	98.800%	
41) Toluene-d8	7.893	98	150631	4.278	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.600%	
43) trans-1,3-Dichloroprop...	8.176	79	20552	4.709	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.200%	
46) 2-Hexanone-d5	8.626	63	94041	53.054	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	106.100%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	47151	4.981	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.600%	
66) 1,2-Dichlorobenzene-d4	12.189	152	61293	5.338	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	106.800%	
Target Compounds						
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	4551	0.537	ug/L	93
12) 1,1-Dichloroethene	2.578	96	11730	1.524	ug/L	# 46
16) Methylene chloride	3.041	84	4206	0.416	ug/L	89
19) 1,1-Dichloroethane	3.864	63	8671	0.589	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	4025	0.374	ug/L	93
29) 1,1,1-Trichloroethane	5.311	97	2546	0.196	ug/L	95
34) Trichloroethene	6.539	95	106032	11.284	ug/L	95
47) Tetrachloroethene	8.549	164	9095	1.317	ug/L	94

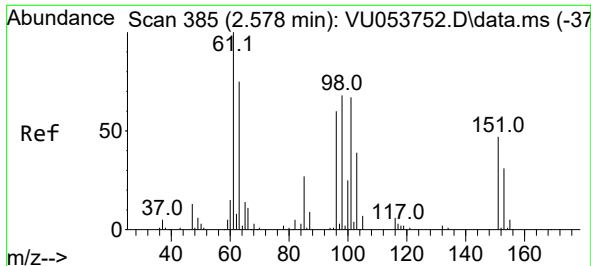
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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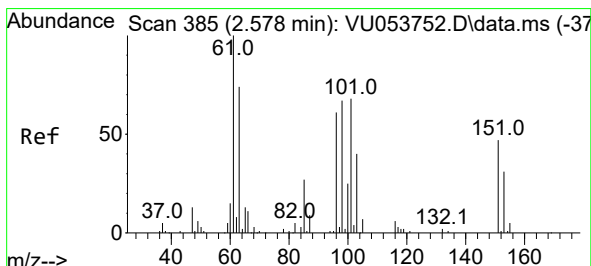
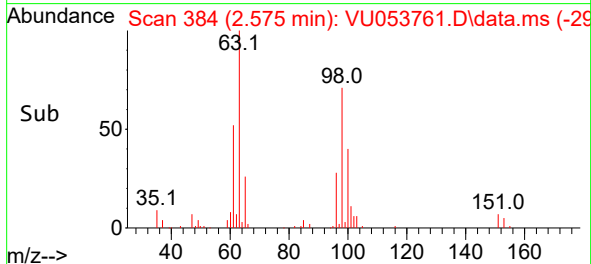
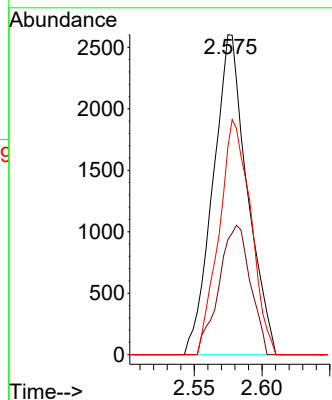
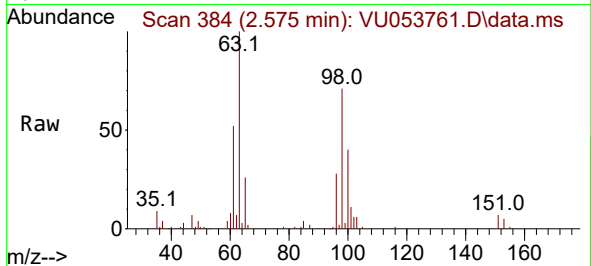




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.537 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053761.D
 Acq: 18 Apr 2023 15:49

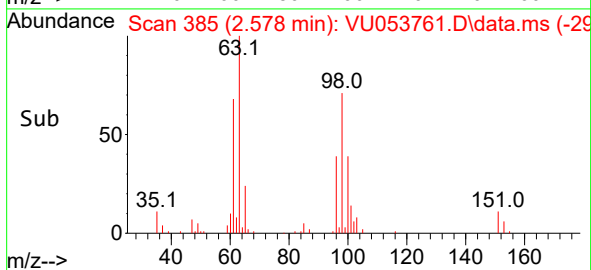
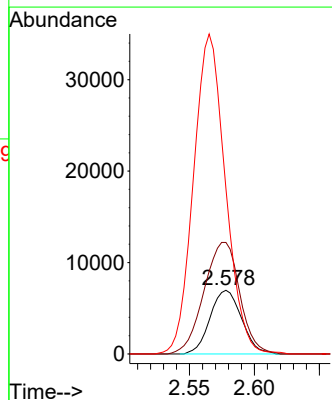
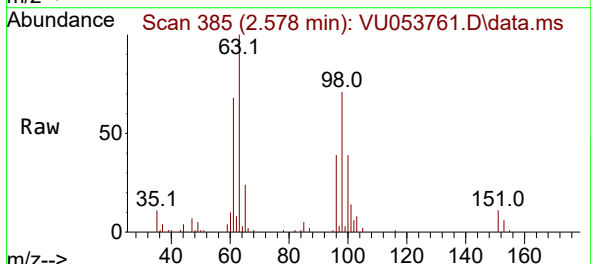
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE22

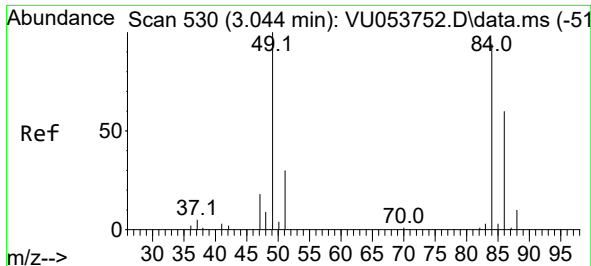
Tgt Ion:101 Resp: 4551
 Ion Ratio Lower Upper
 101 100
 85 37.2 37.0 55.4
 151 68.2 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 1.524 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053761.D
 Acq: 18 Apr 2023 15:49

Tgt Ion: 96 Resp: 11730
 Ion Ratio Lower Upper
 96 100
 61 175.3 116.8 216.8
 63 259.4 88.6 164.6#

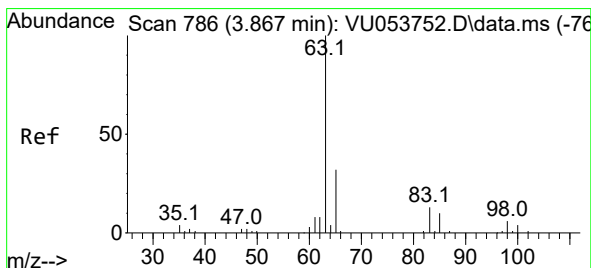
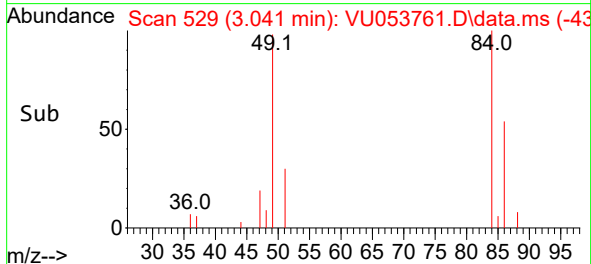
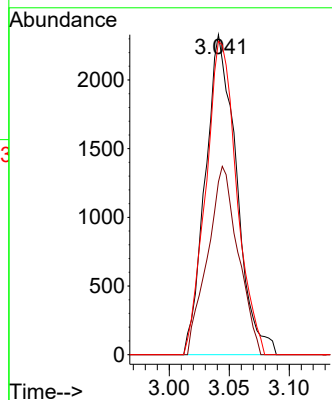
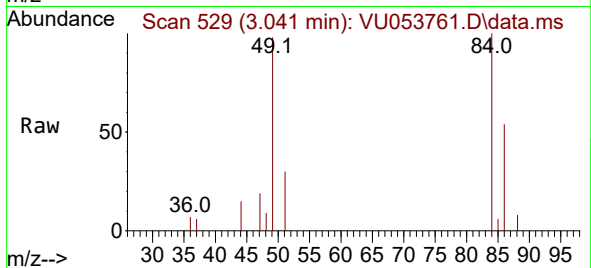




#16
Methylene chloride
Concen: 0.416 ug/L
RT: 3.041 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU053761.D
Acq: 18 Apr 2023 15:49

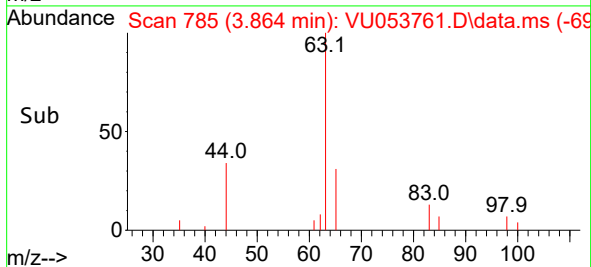
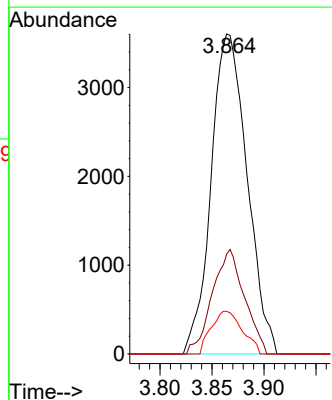
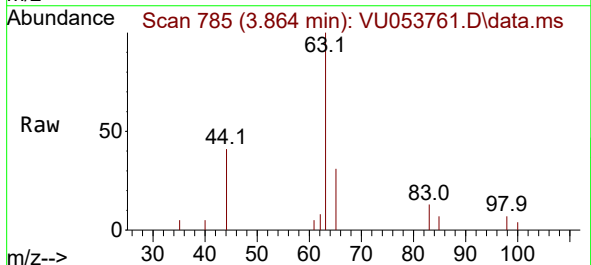
Instrument :
MSVOA_U
ClientSampleId :
BHE22

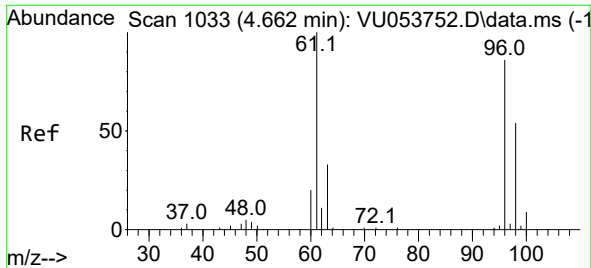
Tgt Ion: 84 Resp: 4206
Ion Ratio Lower Upper
84 100
86 54.0 44.7 83.1
49 97.9 75.5 140.1



#19
1,1-Dichloroethane
Concen: 0.589 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.003 min
Lab File: VU053761.D
Acq: 18 Apr 2023 15:49

Tgt Ion: 63 Resp: 8671
Ion Ratio Lower Upper
63 100
65 31.2 21.7 40.3
83 13.3 8.1 15.1

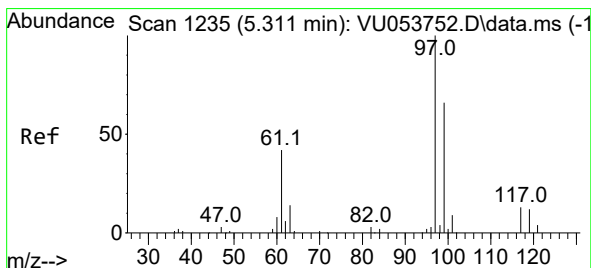
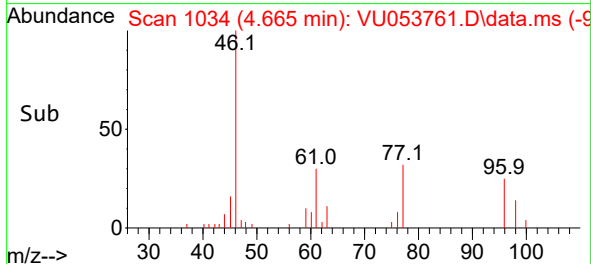
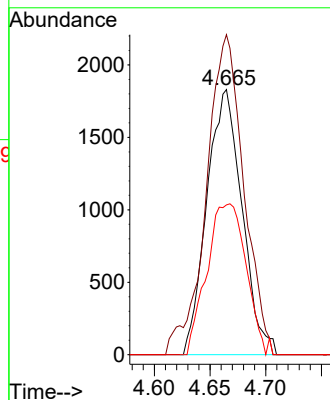
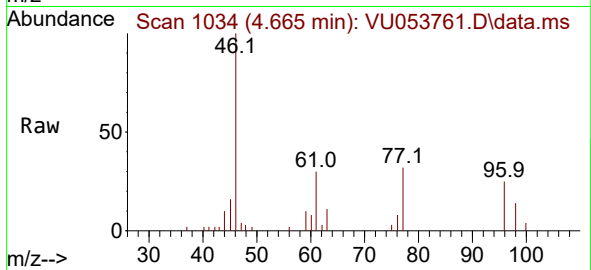




#22
 cis-1,2-Dichloroethene
 Concen: 0.374 ug/L
 RT: 4.665 min Scan# 1033
 Delta R.T. 0.003 min
 Lab File: VU053761.D
 Acq: 18 Apr 2023 15:49

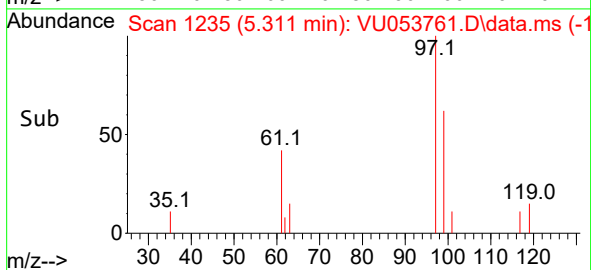
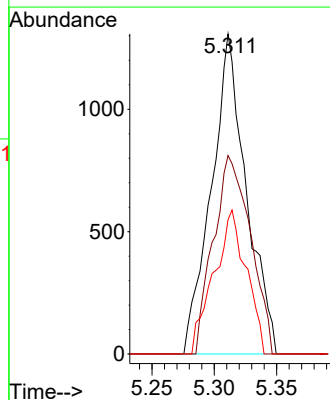
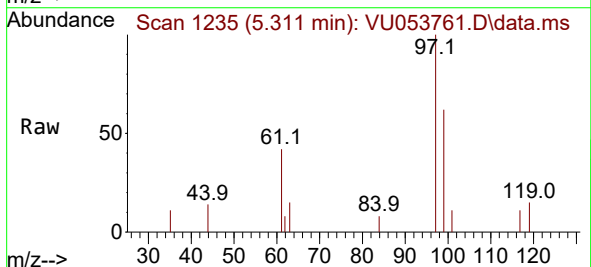
Instrument :
 MSVOA_U
 ClientSampleId :
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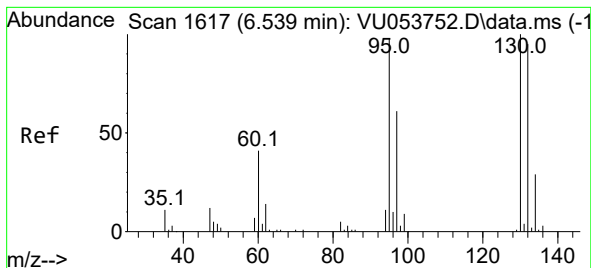
Tgt Ion: 96 Resp: 4025
 Ion Ratio Lower Upper
 96 100
 61 120.7 86.6 160.8
 98 56.5 47.7 88.5



#29
 1,1,1-Trichloroethane
 Concen: 0.196 ug/L
 RT: 5.311 min Scan# 1235
 Delta R.T. -0.000 min
 Lab File: VU053761.D
 Acq: 18 Apr 2023 15:49

Tgt Ion: 97 Resp: 2546
 Ion Ratio Lower Upper
 97 100
 99 66.0 49.9 74.9
 61 41.8 35.7 53.5





#34

Trichloroethene

Concen: 11.284 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053761.D

Acq: 18 Apr 2023 15:49

Instrument :

MSVOA_U

ClientSampleId :

BHE22

Tgt Ion: 95 Resp: 106032

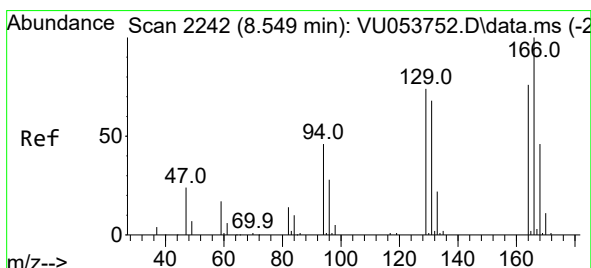
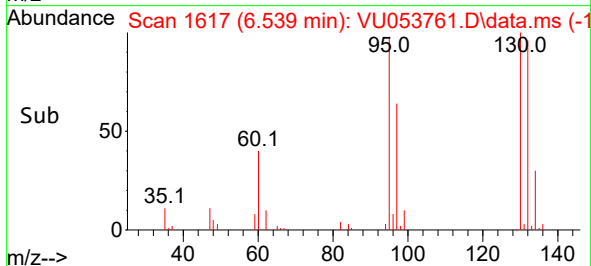
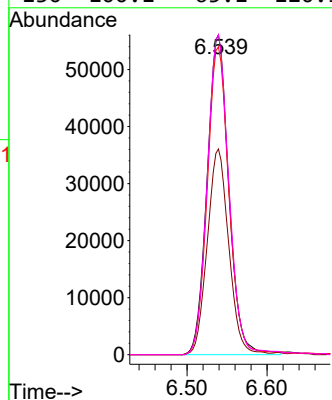
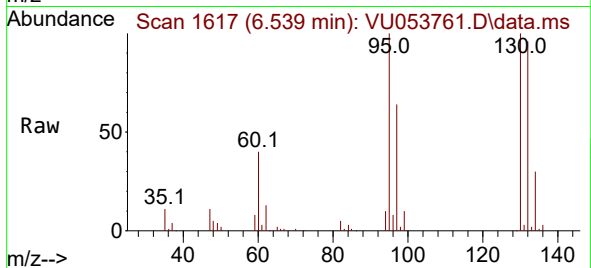
Ion Ratio Lower Upper

95 100

97 64.3 45.3 84.1

132 96.3 62.8 116.6

130 100.1 65.1 120.9



#47

Tetrachloroethene

Concen: 1.317 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053761.D

Acq: 18 Apr 2023 15:49

Tgt Ion:164 Resp: 9095

Ion Ratio Lower Upper

164 100

129 99.2 74.8 138.8

131 87.8 70.1 130.1

166 124.9 87.3 162.1

