

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053765.D
 Acq On : 18 Apr 2023 17:27
 Operator : JC/MD
 Sample : 02340-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE20

Quant Time: Apr 19 05:02:47 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)

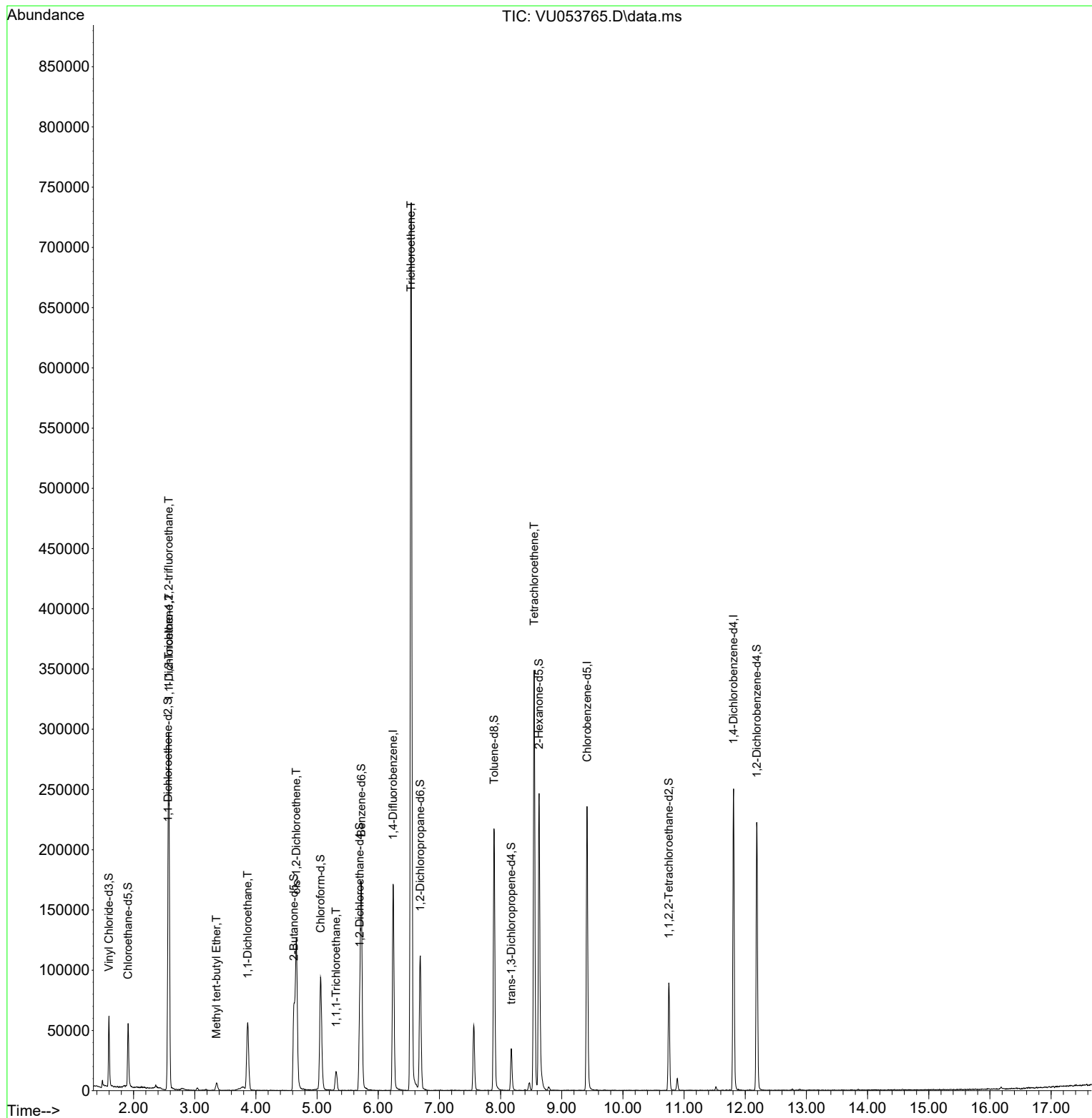
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	145896	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	139567	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	68501	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	44280	4.412	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.909	69	40450	4.441	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.562	65	17372	4.063	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	4.620	46	102541	44.597	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.200%
24) Chloroform-d	5.057	84	87740	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.697	65	44298	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.723	84	172281	4.356	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.687	67	56910	4.722	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.893	98	156954	4.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	8.176	79	20450	4.422	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.629	63	89933	47.872	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	45351	4.521	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	61420	4.984	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1797	0.198	ug/L #	63
12) 1,1-Dichloroethene	2.578	96	88240	10.682	ug/L #	74
17) Methyl tert-butyl Ether	3.356	73	6180	0.309	ug/L	98
19) 1,1-Dichloroethane	3.864	63	65549	4.147	ug/L #	96
22) cis-1,2-Dichloroethene	4.662	96	64090	5.544	ug/L	94
29) 1,1,1-Trichloroethane	5.311	97	12364	0.897	ug/L	97
34) Trichloroethene	6.536	95	259654	26.074	ug/L	95
47) Tetrachloroethene	8.549	164	78688	10.754	ug/L	93

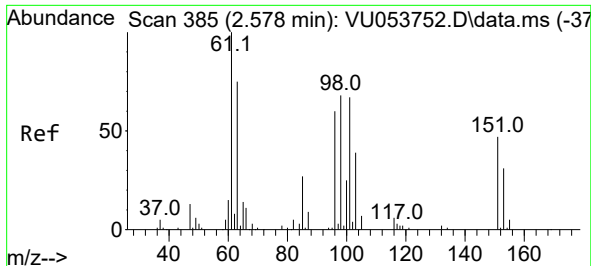
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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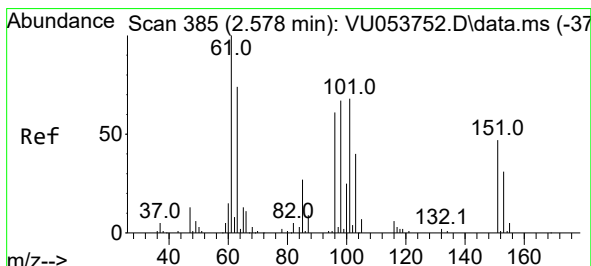
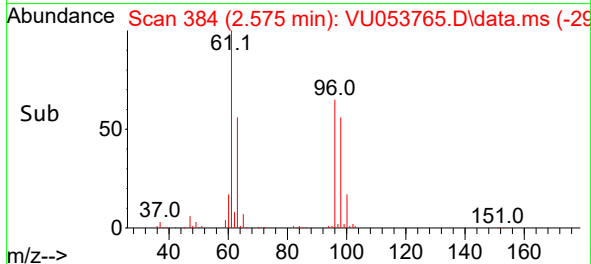
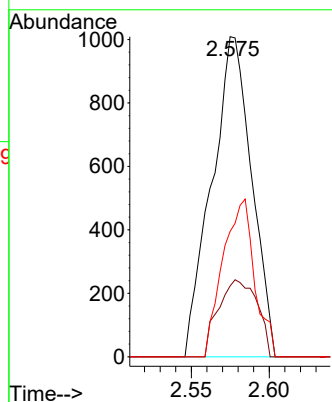
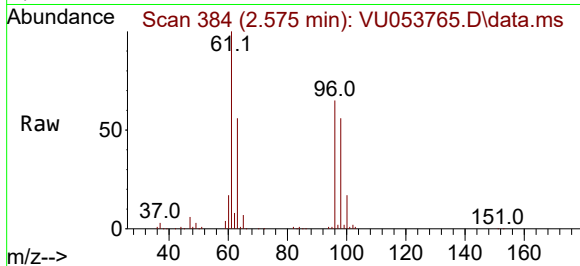




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.198 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053765.D
 Acq: 18 Apr 2023 17:27

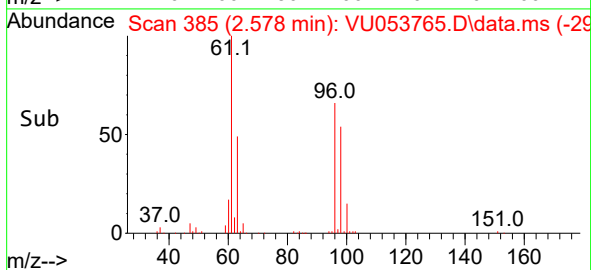
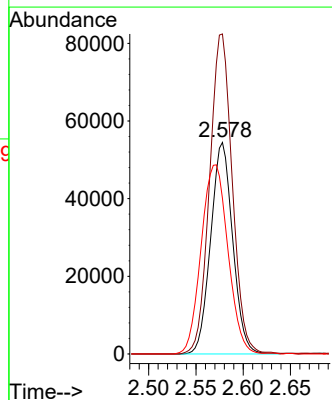
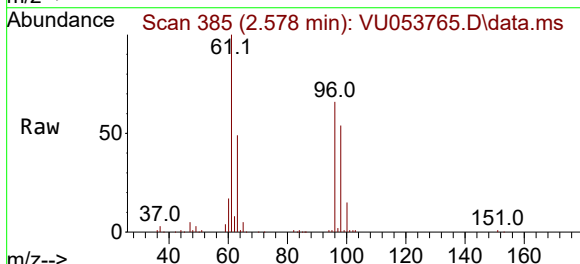
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE20

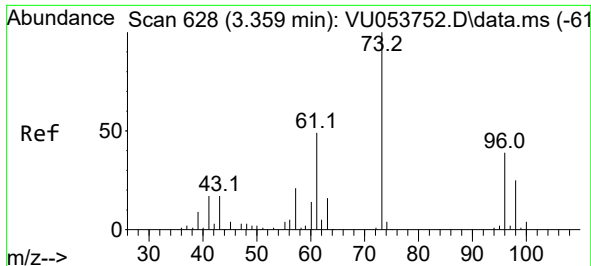
Tgt Ion:101 Resp: 1797
 Ion Ratio Lower Upper
 101 100
 85 23.3 37.0 55.4#
 151 39.0 56.8 85.2#



#12
 1,1-Dichloroethene
 Concen: 10.682 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053765.D
 Acq: 18 Apr 2023 17:27

Tgt Ion: 96 Resp: 88240
 Ion Ratio Lower Upper
 96 100
 61 151.3 116.8 216.8
 63 73.6 88.6 164.6#





#17

Methyl tert-butyl Ether

Concen: 0.309 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU053765.D

Acq: 18 Apr 2023 17:27

Instrument :

MSVOA_U

ClientSampleId :

BHE20

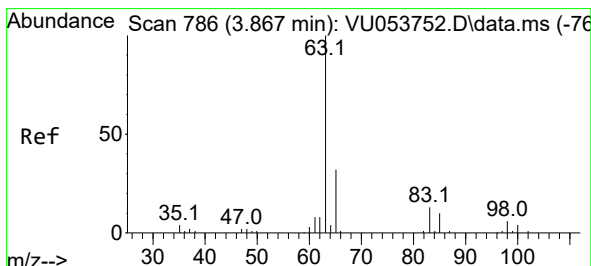
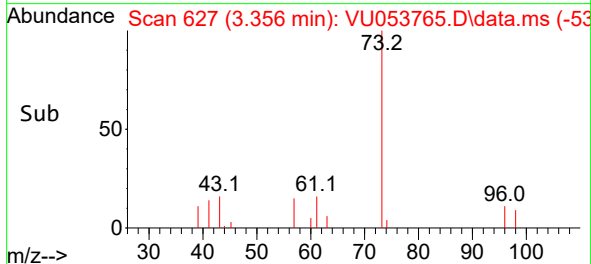
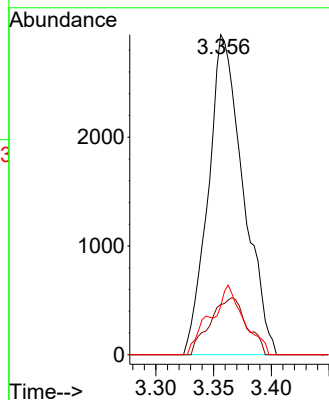
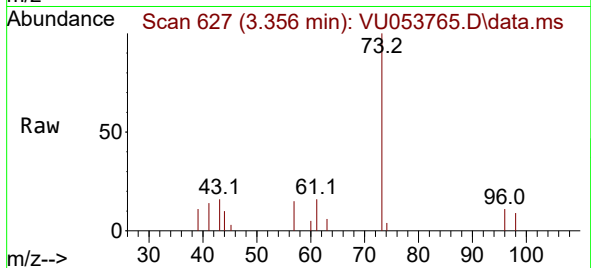
Tgt Ion: 73 Resp: 6180

Ion Ratio Lower Upper

73 100

43 18.6 13.9 20.9

57 20.8 17.0 25.6



#19

1,1-Dichloroethane

Concen: 4.147 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.003 min

Lab File: VU053765.D

Acq: 18 Apr 2023 17:27

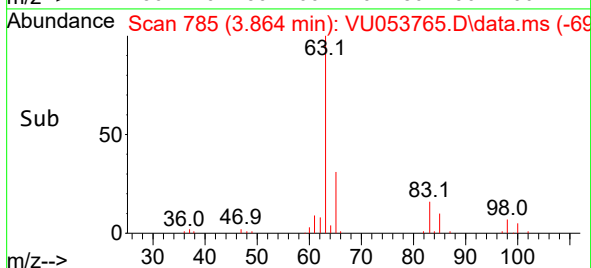
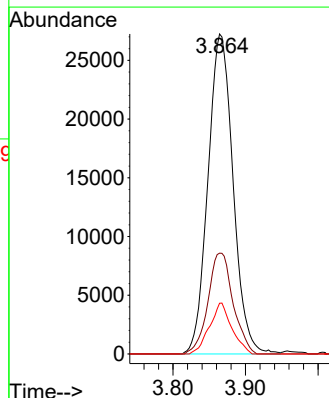
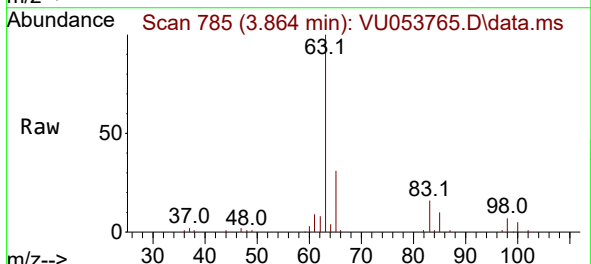
Tgt Ion: 63 Resp: 65549

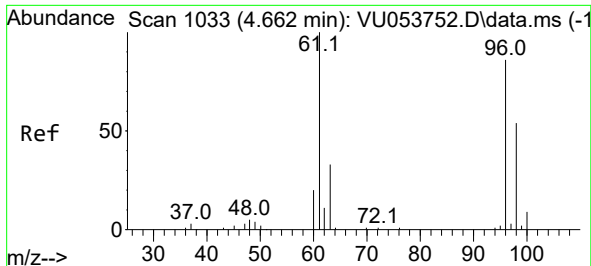
Ion Ratio Lower Upper

63 100

65 31.5 21.7 40.3

83 15.9 8.1 15.1#





#22

cis-1,2-Dichloroethene

Concen: 5.544 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053765.D

Acq: 18 Apr 2023 17:27

Instrument :

MSVOA_U

ClientSampleId :

BHE20

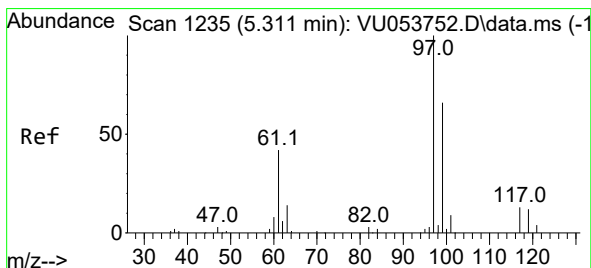
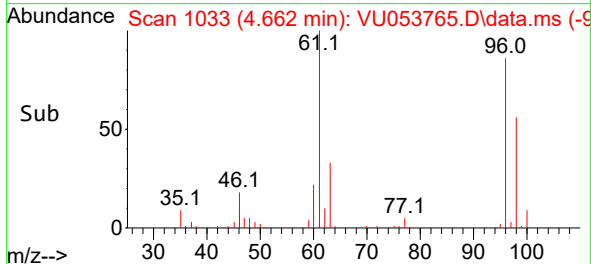
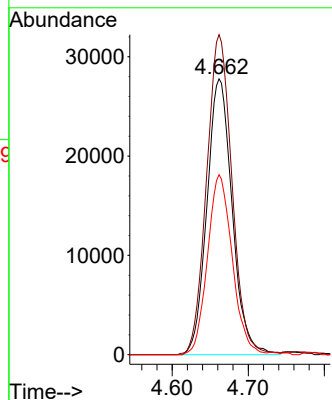
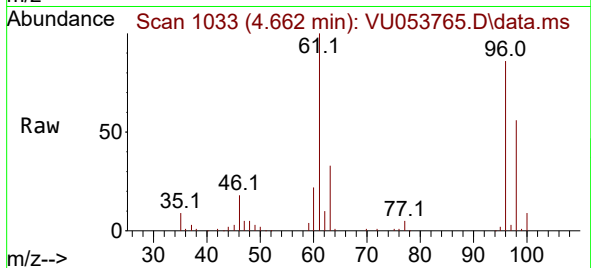
Tgt Ion: 96 Resp: 64090

Ion Ratio Lower Upper

96 100

61 116.0 86.6 160.8

98 65.3 47.7 88.5



#29

1,1,1-Trichloroethane

Concen: 0.897 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053765.D

Acq: 18 Apr 2023 17:27

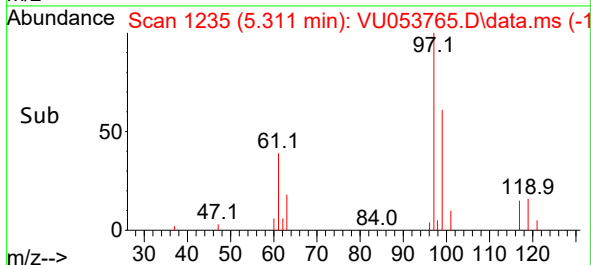
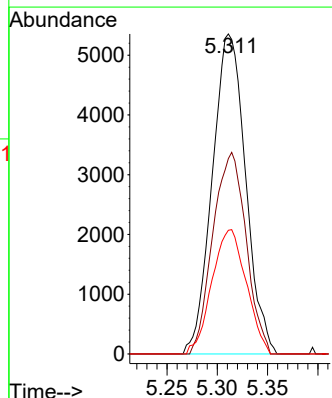
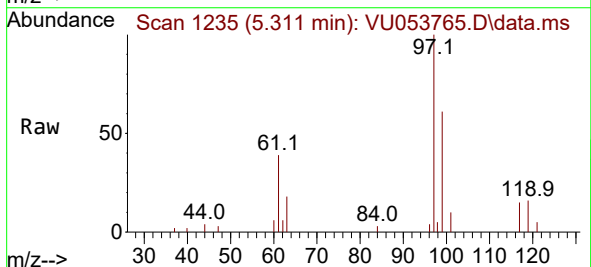
Tgt Ion: 97 Resp: 12364

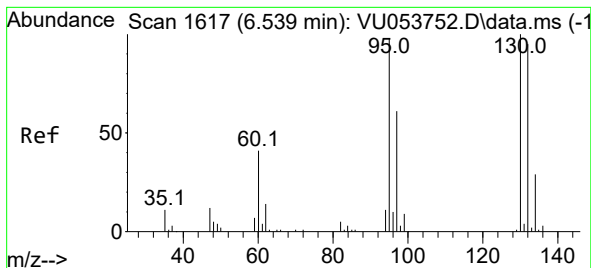
Ion Ratio Lower Upper

97 100

99 62.7 49.9 74.9

61 40.1 35.7 53.5





#34

Trichloroethene

Concen: 26.074 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053765.D

Acq: 18 Apr 2023 17:27

Instrument :

MSVOA_U

ClientSampleId :

BHE20

Tgt Ion: 95 Resp: 259654

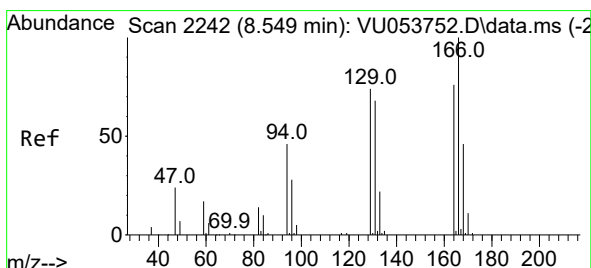
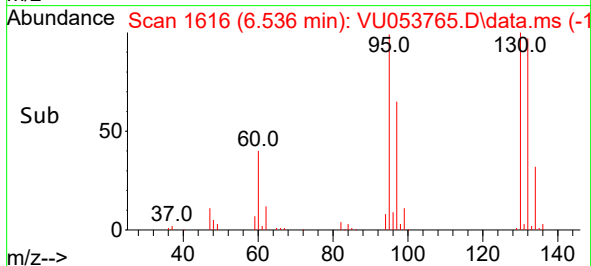
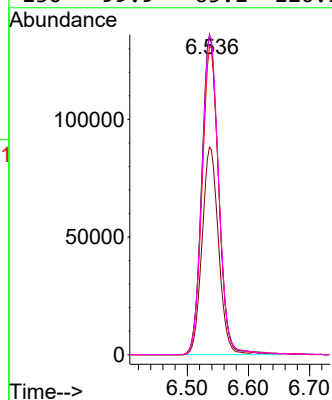
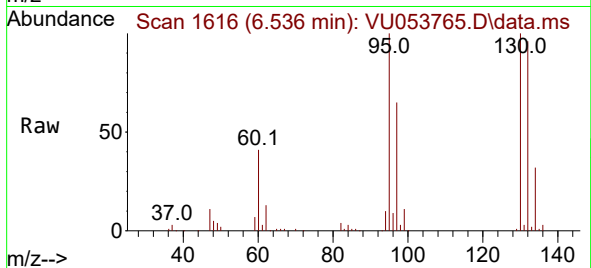
Ion Ratio Lower Upper

95 100

97 64.8 45.3 84.1

132 96.4 62.8 116.6

130 99.9 65.1 120.9



#47

Tetrachloroethene

Concen: 10.754 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053765.D

Acq: 18 Apr 2023 17:27

Tgt Ion:164 Resp: 78688

Ion Ratio Lower Upper

164 100

129 97.8 74.8 138.8

131 91.3 70.1 130.1

166 129.1 87.3 162.1

