

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053764.D
 Acq On : 18 Apr 2023 17:03
 Operator : JC/MD
 Sample : 02340-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE19

Quant Time: Apr 19 05:02:31 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

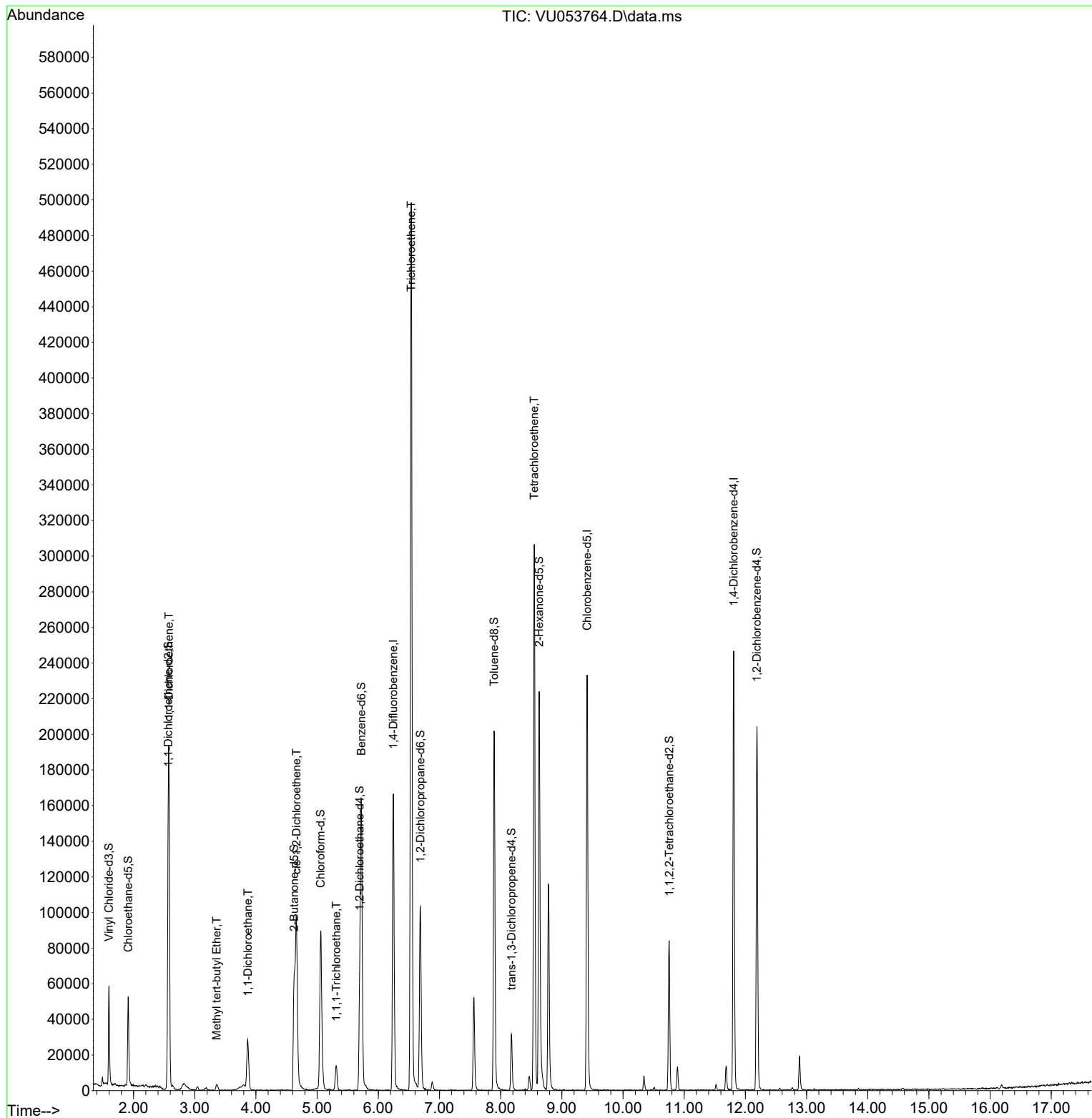
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	144327	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	138114	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	67992	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41958	4.226	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	84.600%	
7) Chloroethane-d5	1.912	69	36734	4.076	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	81.600%	
11) 1,1-Dichloroethene-d2	2.565	65	15448	3.652	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	73.000%	
20) 2-Butanone-d5	4.623	46	95047	41.787	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	83.580%	
24) Chloroform-d	5.057	84	81265	4.415	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.400%	
26) 1,2-Dichloroethane-d4	5.697	65	42395	4.494	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.800%	
32) Benzene-d6	5.722	84	161656	4.130	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.600%	
36) 1,2-Dichloropropane-d6	6.687	67	52566	4.407	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	88.200%	
41) Toluene-d8	7.893	98	141216	3.824	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.400%	
43) trans-1,3-Dichloroprop...	8.176	79	19291	4.215	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.200%	
46) 2-Hexanone-d5	8.629	63	79958	43.010	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	86.020%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	42765	4.308	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	86.200%	
66) 1,2-Dichlorobenzene-d4	12.188	152	56332	4.605	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	92.200%	
Target Compounds						
12) 1,1-Dichloroethene	2.578	96	49702	6.082	ug/L	87
17) Methyl tert-butyl Ether	3.359	73	3690	0.186	ug/L	# 85
19) 1,1-Dichloroethane	3.867	63	32064	2.051	ug/L	91
22) cis-1,2-Dichloroethene	4.661	96	45863	4.010	ug/L	92
29) 1,1,1-Trichloroethane	5.314	97	10397	0.763	ug/L	98
34) Trichloroethene	6.536	95	170382	17.289	ug/L	94
47) Tetrachloroethene	8.549	164	69468	9.594	ug/L	94

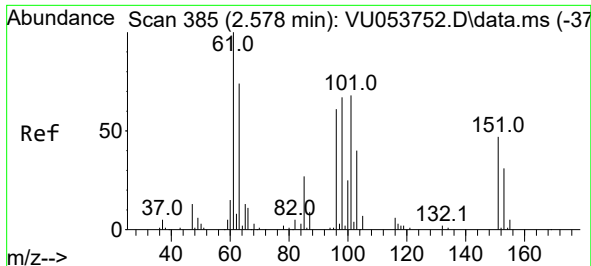
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 6.082 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053764.D

Acq: 18 Apr 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

BHE19

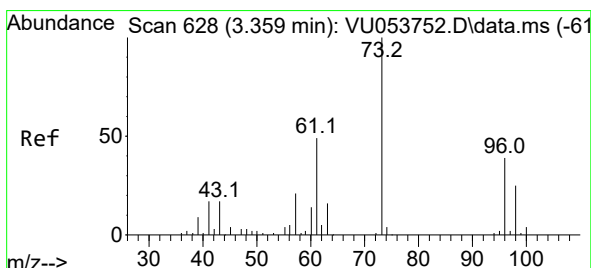
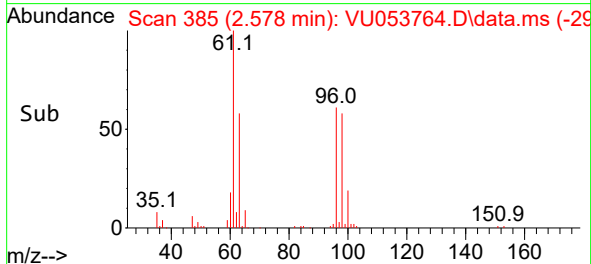
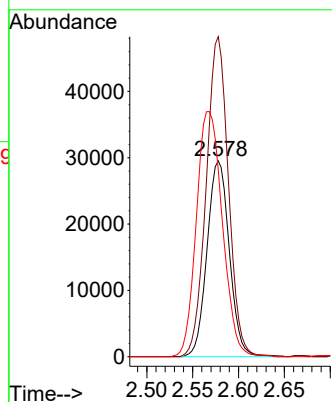
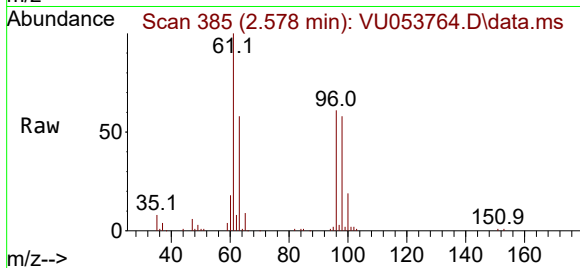
Tgt Ion: 96 Resp: 49702

Ion Ratio Lower Upper

96 100

61 163.3 116.8 216.8

63 95.3 88.6 164.6



#17

Methyl tert-butyl Ether

Concen: 0.186 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU053764.D

Acq: 18 Apr 2023 17:03

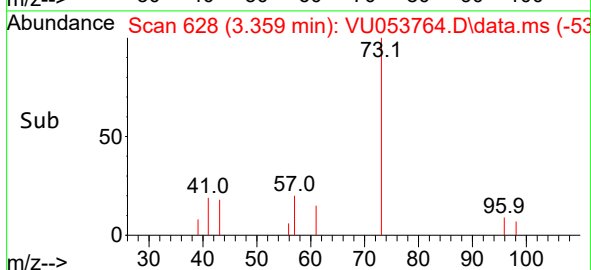
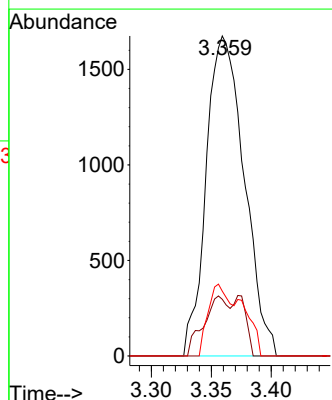
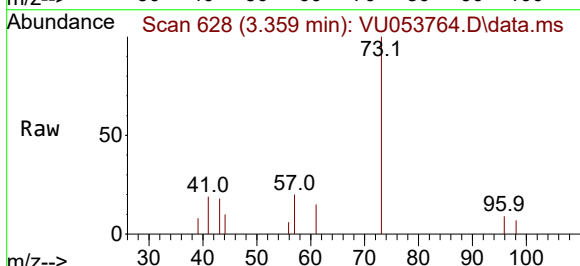
Tgt Ion: 73 Resp: 3690

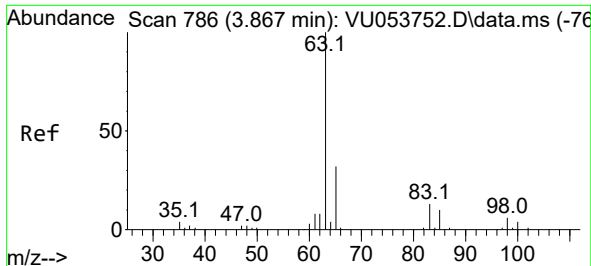
Ion Ratio Lower Upper

73 100

43 12.4 13.9 20.9#

57 13.3 17.0 25.6#

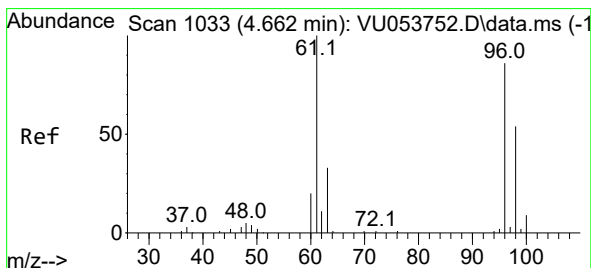
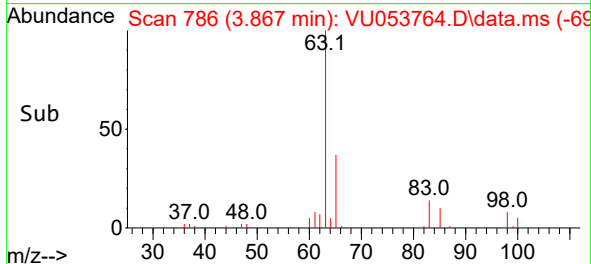
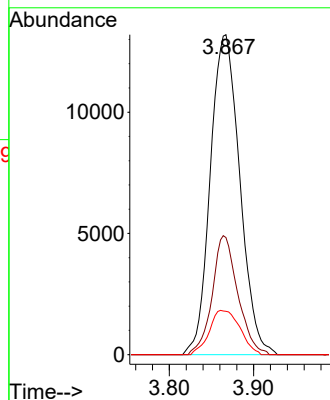
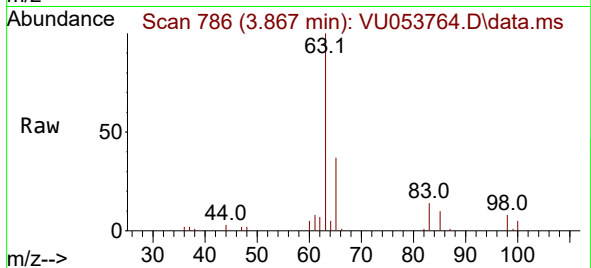




#19
1,1-Dichloroethane
Concen: 2.051 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU053764.D
Acq: 18 Apr 2023 17:03

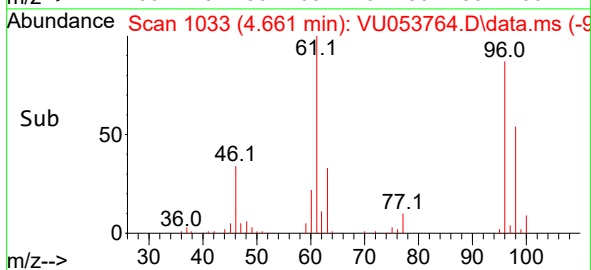
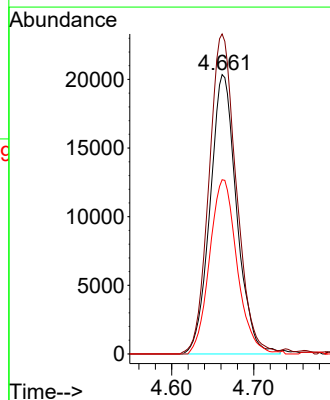
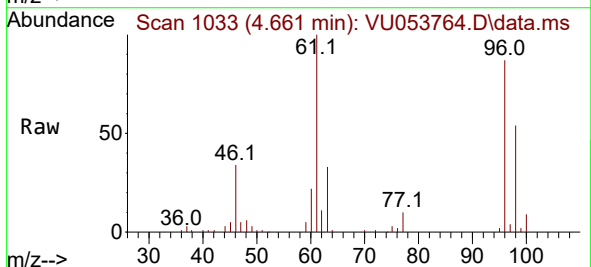
Instrument :
MSVOA_U
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BHE19

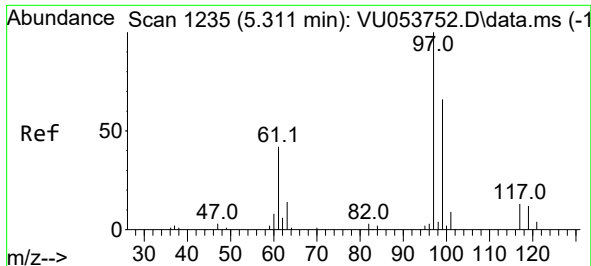
Tgt Ion:	63	Resp:	32064
Ion	Ratio	Lower	Upper
63	100		
65	36.6	21.7	40.3
83	13.5	8.1	15.1



#22
cis-1,2-Dichloroethene
Concen: 4.010 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053764.D
Acq: 18 Apr 2023 17:03

Tgt Ion:	96	Resp:	45863
Ion	Ratio	Lower	Upper
96	100		
61	114.5	86.6	160.8
98	62.4	47.7	88.5





#29

1,1,1-Trichloroethane

Concen: 0.763 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053764.D

Acq: 18 Apr 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

BHE19

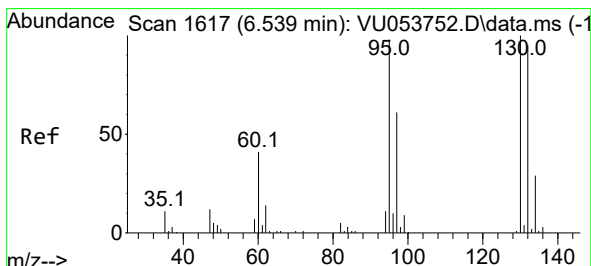
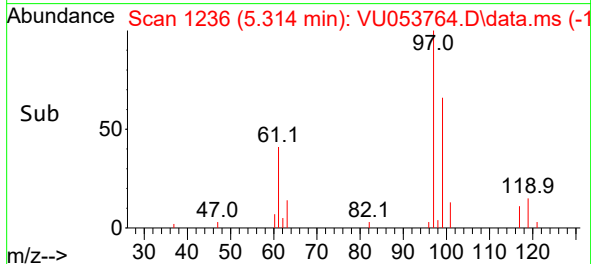
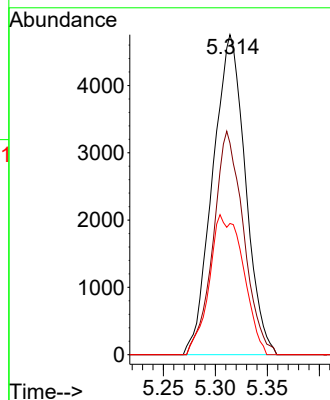
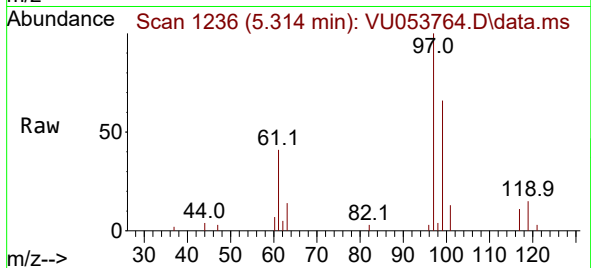
Tgt Ion: 97 Resp: 10397

Ion Ratio Lower Upper

97 100

99 64.7 49.9 74.9

61 45.5 35.7 53.5



#34

Trichloroethene

Concen: 17.289 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053764.D

Acq: 18 Apr 2023 17:03

Tgt Ion: 95 Resp: 170382

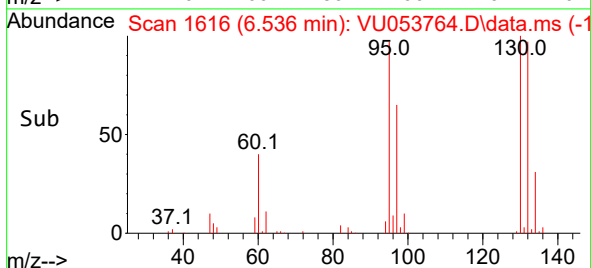
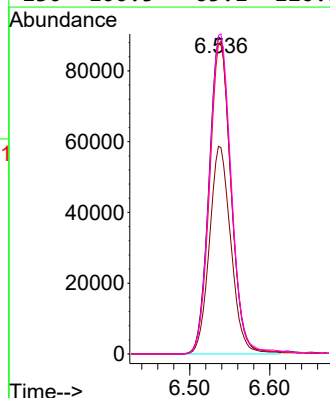
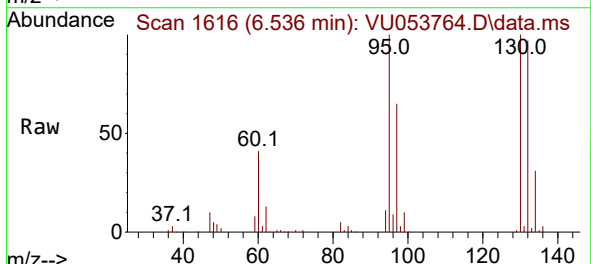
Ion Ratio Lower Upper

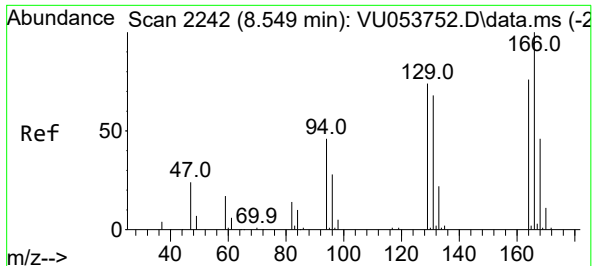
95 100

97 65.5 45.3 84.1

132 97.8 62.8 116.6

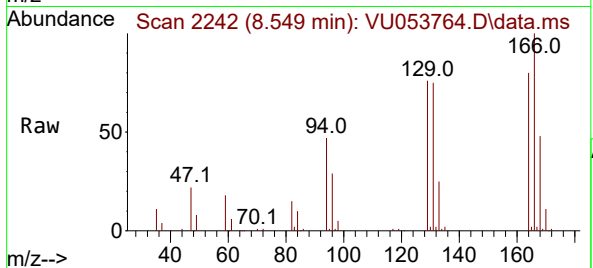
130 100.5 65.1 120.9





#47
 Tetrachloroethene
 Concen: 9.594 ug/L
 RT: 8.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU053764.D
 Acq: 18 Apr 2023 17:03

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE19



Tgt Ion:	164	Resp:	69468
Ion	Ratio	Lower	Upper
164	100		
129	95.3	74.8	138.8
131	93.6	70.1	130.1
166	124.6	87.3	162.1

