

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)

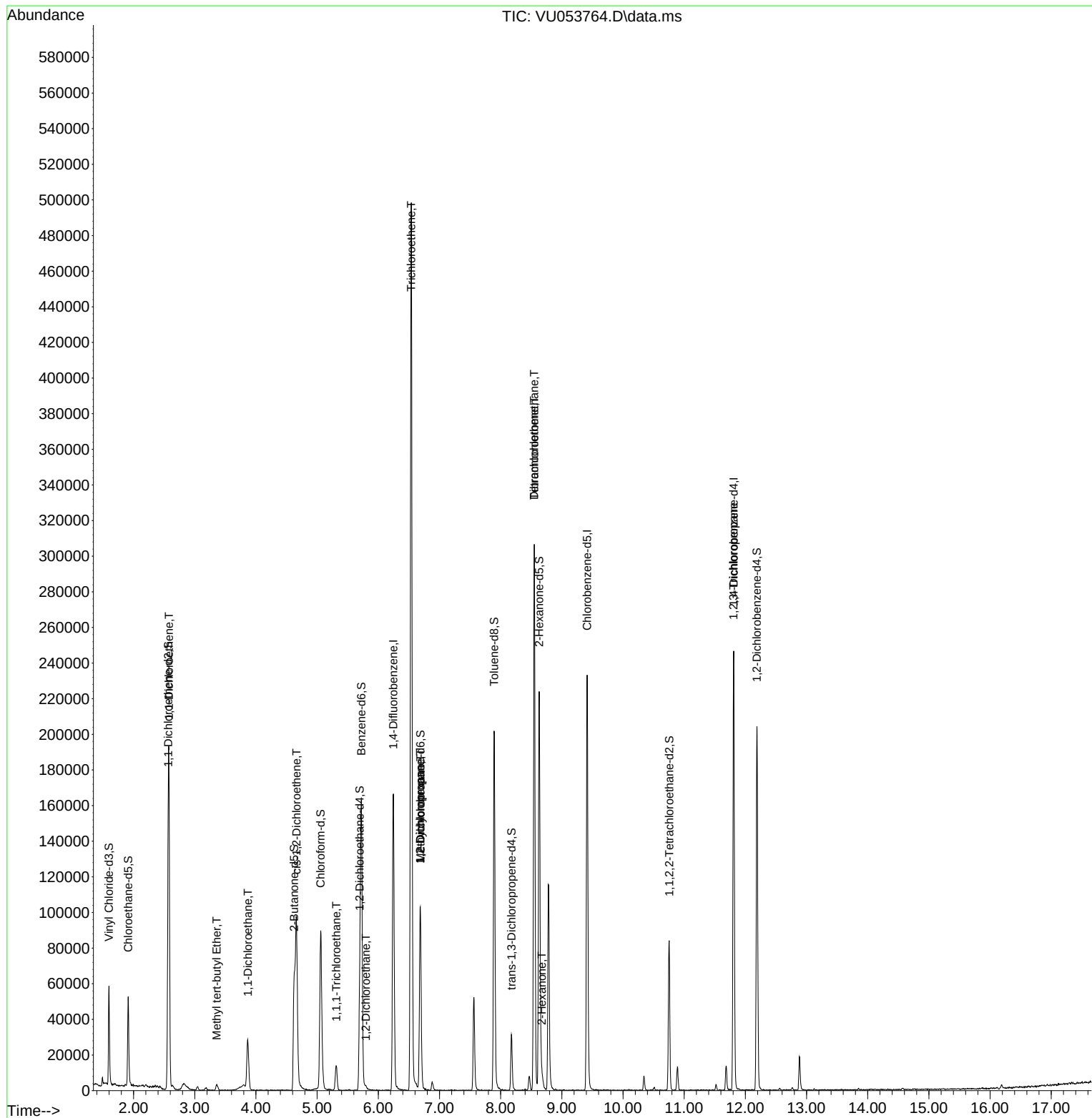
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	144327	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	138114	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	67992	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41958	4.226	ug/L	0.00
Spiked Amount	5.000	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						Qvalue
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
27) 1,2-Dichloroethane	5.796	62	1446	0.144	ug/L #	77
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
35) Methylcyclohexane	6.687	83	12647	0.748	ug/L #	23
37) 1,2-Dichloropropane	6.684	63	5925	0.606	ug/L #	89
47) Tetrachloroethene	8.549	164	69468	9.594	ug/L	94
48) 2-Hexanone	8.674	43	3298	0.933	ug/L #	72
49) Dibromochloromethane	8.549	129	64953	9.467	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	7683	1.364	ug/L #	66

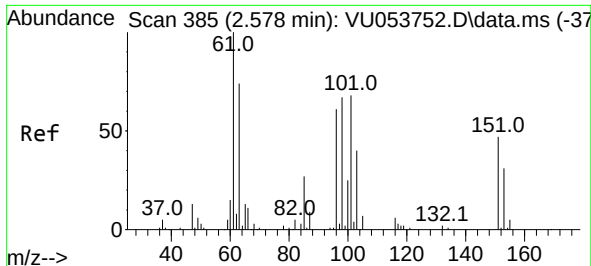
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

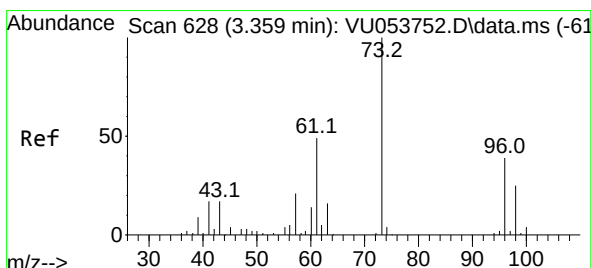
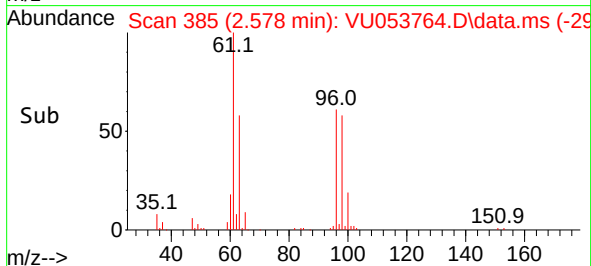
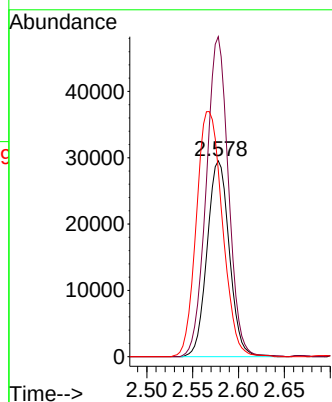
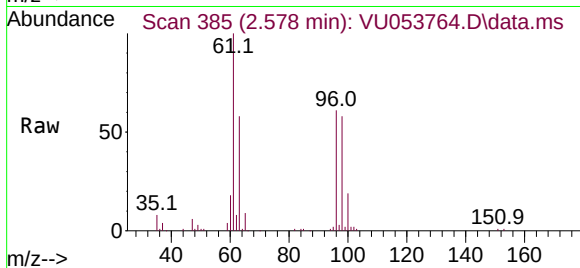
Tgt Ion: 96 Resp: 49702

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

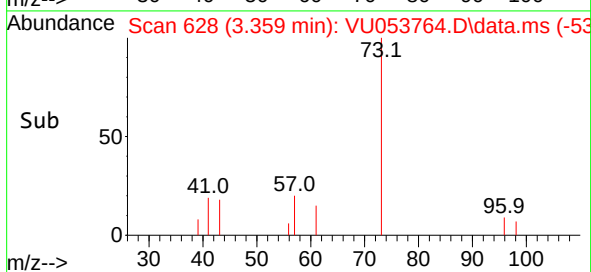
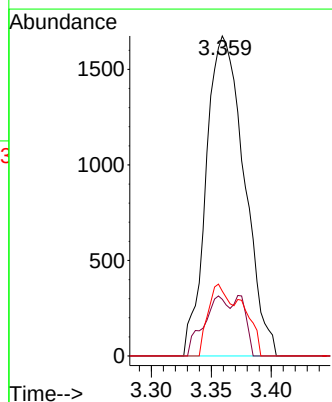
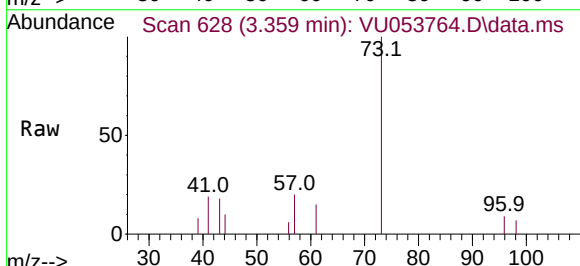
Tgt Ion: 73 Resp: 3690

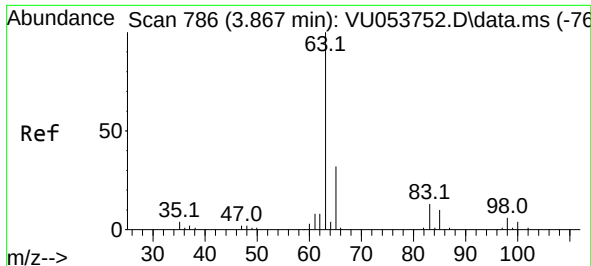
Ion Ratio Lower Upper

73 100

43 12.4 13.9 20.9#

57 13.3 17.0 25.6#

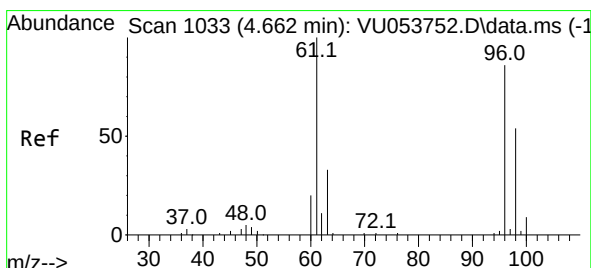
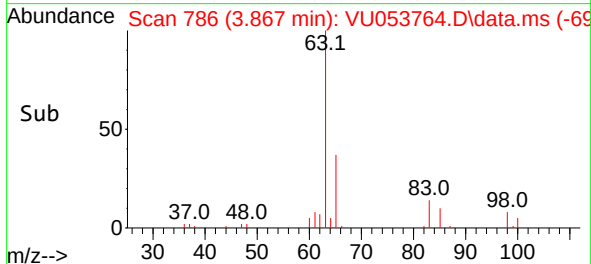
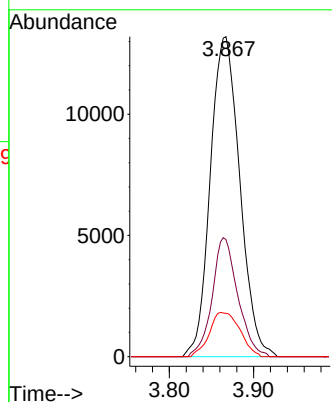
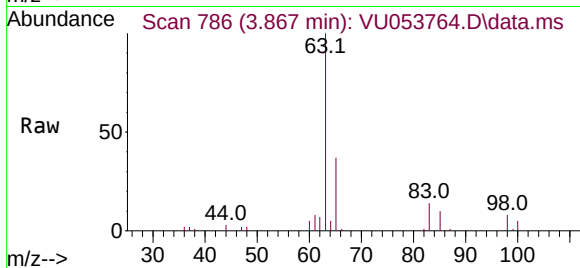




#19
1,1-Dichloroethane
Concen: 2.051 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU053764.D
Acq: 18 Apr 2023 17:03

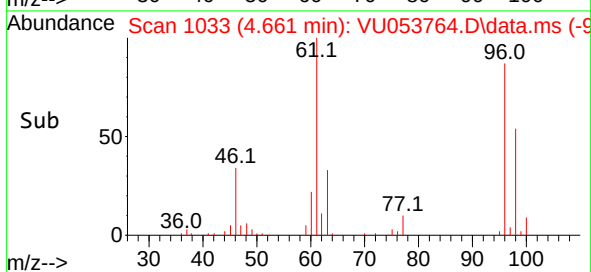
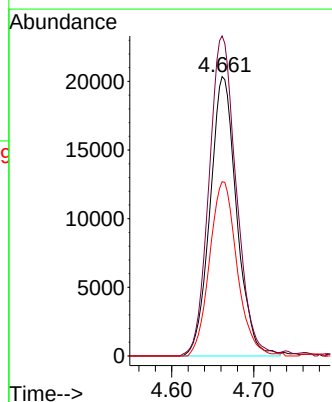
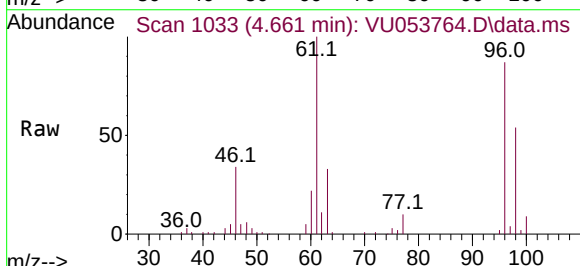
Instrument :
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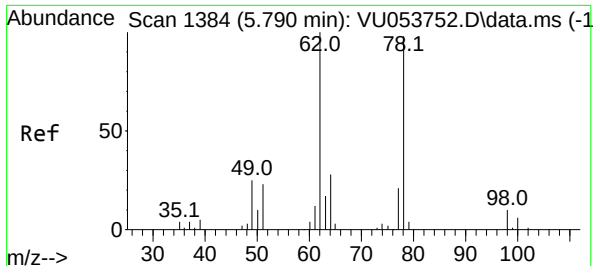
Tgt Ion:	63	Resp:	32064
Ion	Ratio	Lower	Upper
63	100		
65	36.6	21.7	40.3
83	13.5	8.1	15.1



#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

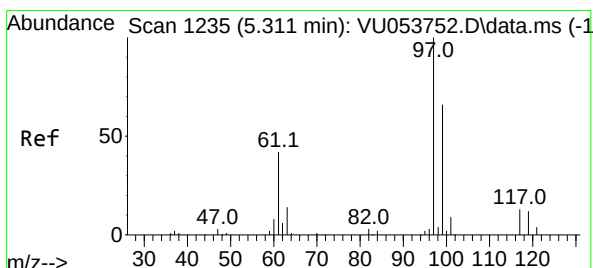
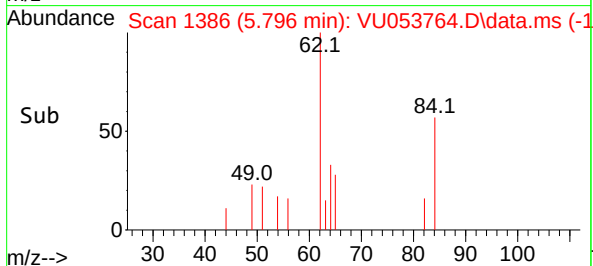
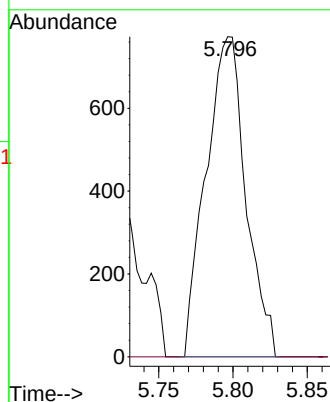
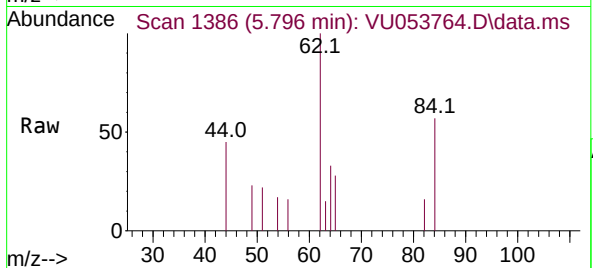




#27
 1,2-Dichloroethane
 Concen: 0.144 ug/L
 RT: 5.796 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VU053764.D
 Acq: 18 Apr 2023 17:03

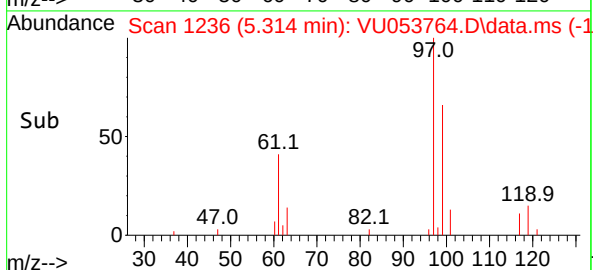
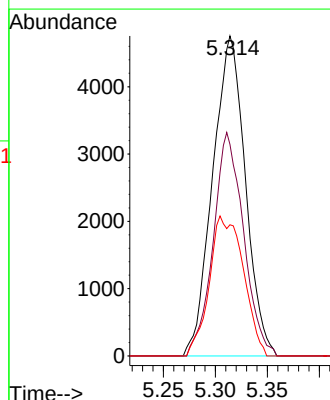
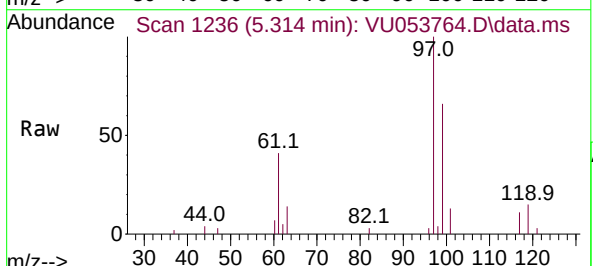
Instrument :
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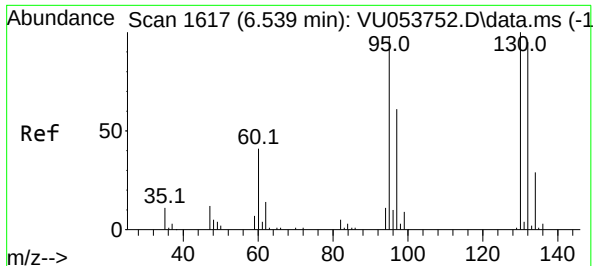
Tgt Ion: 62 Resp: 1446
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.4 9.6#



#29
 1,1,1-Trichloroethane
 Concen: 0.763 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. 0.003 min
 Lab File: VU053764.D
 Acq: 18 Apr 2023 17:03

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

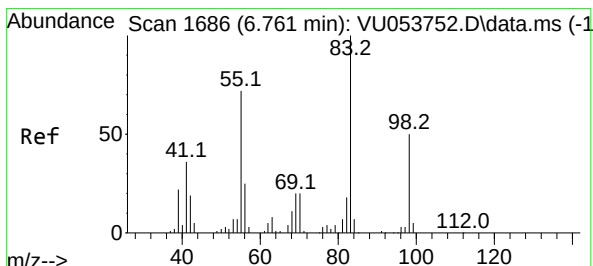
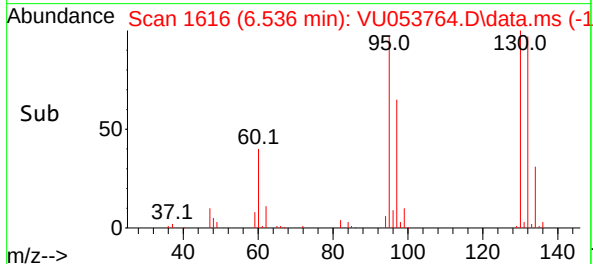
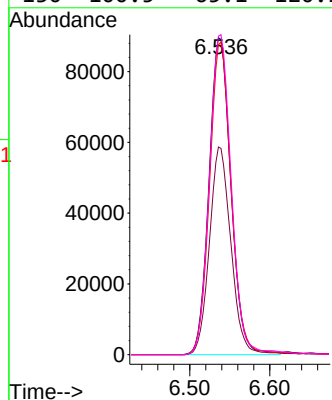
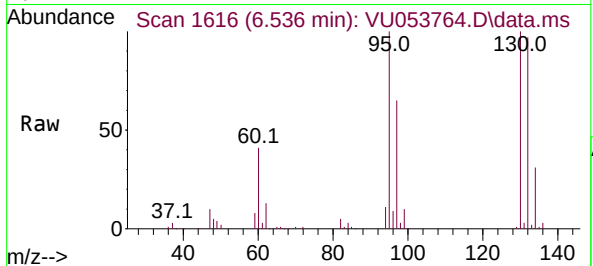




#34
Trichloroethene
Concen: 17.289 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053764.D
Acq: 18 Apr 2023 17:03

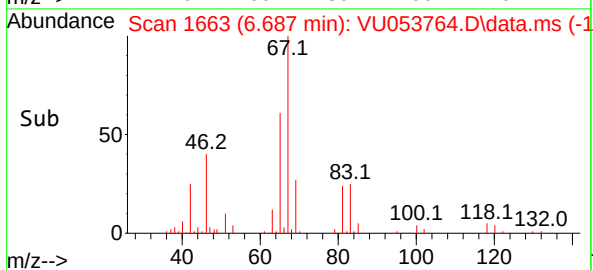
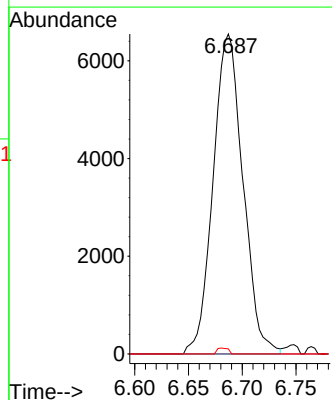
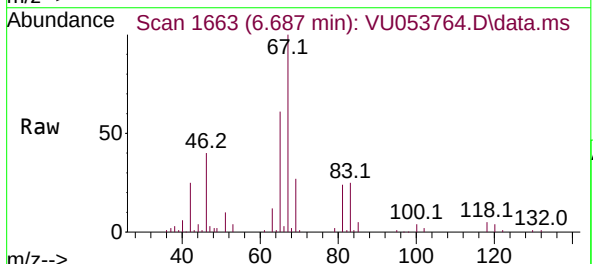
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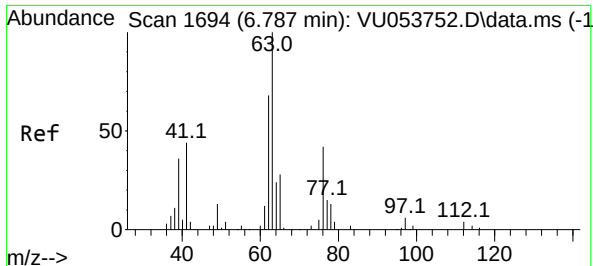
Tgt Ion: 95 Resp: 170382
Ion Ratio Lower Upper
95 100
97 65.5 45.3 84.1
132 97.8 62.8 116.6
130 100.5 65.1 120.9



#35
Methylcyclohexane
Concen: 0.748 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053764.D
Acq: 18 Apr 2023 17:03

Tgt Ion: 83 Resp: 12647
Ion Ratio Lower Upper
83 100
55 1.1 54.9 82.3#
98 0.0 34.9 52.3#





#37

1,2-Dichloropropane

Concen: 0.606 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU053764.D

Acq: 18 Apr 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

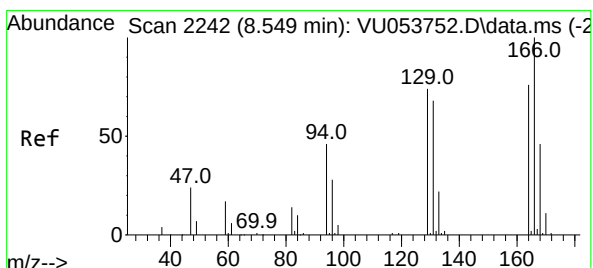
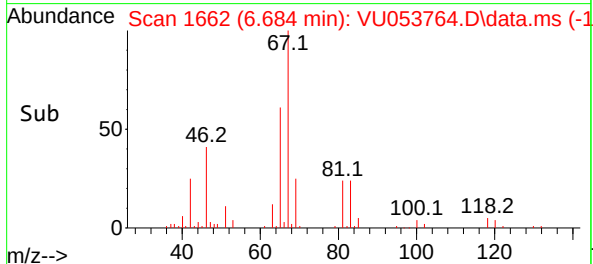
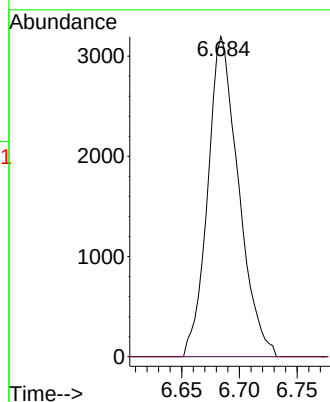
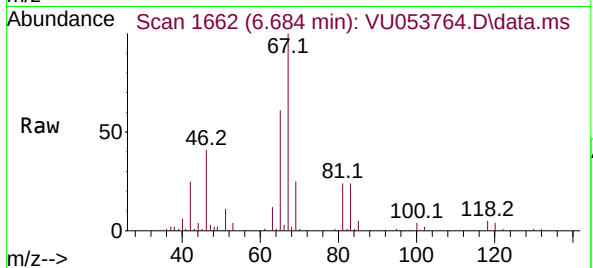
BHE19

Tgt Ion: 63 Resp: 5925

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#47

Tetrachloroethene

Concen: 9.594 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053764.D

Acq: 18 Apr 2023 17:03

Tgt Ion: 164 Resp: 69468

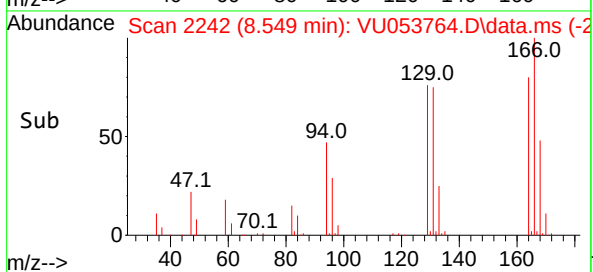
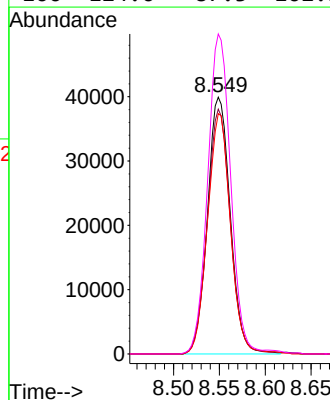
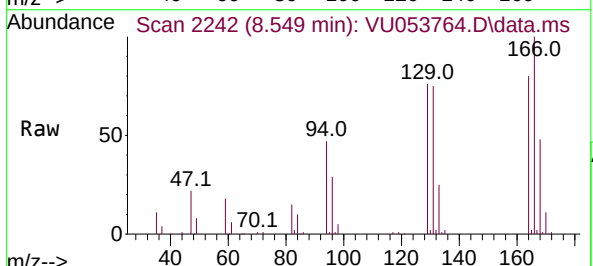
Ion Ratio Lower Upper

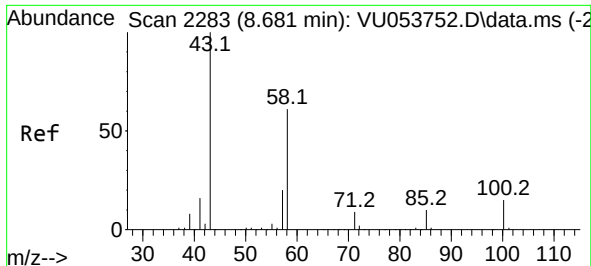
164 100

129 95.3 74.8 138.8

131 93.6 70.1 130.1

166 124.6 87.3 162.1

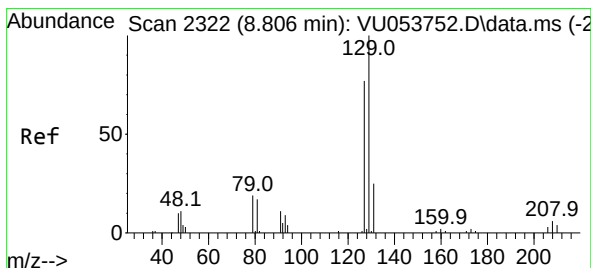
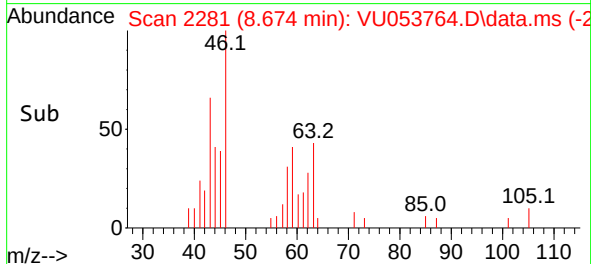
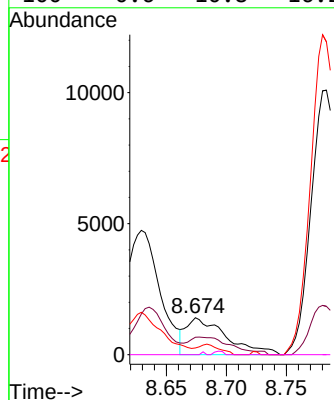
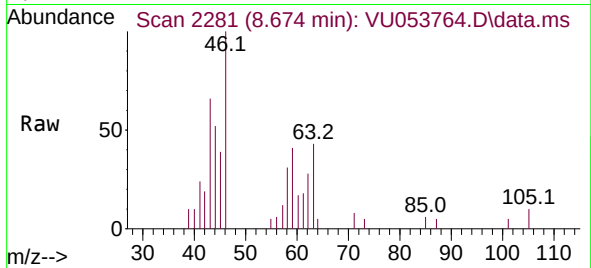




#48
2-Hexanone
Concen: 0.933 ug/L
RT: 8.674 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU053764.D
Acq: 18 Apr 2023 17:03

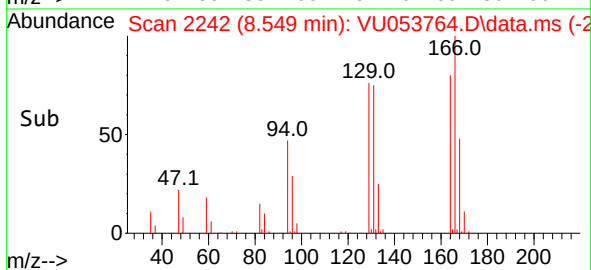
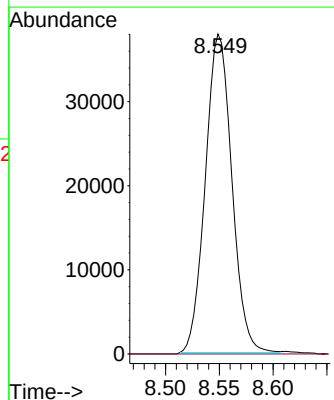
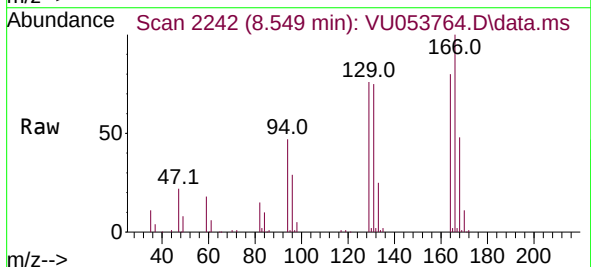
Instrument :
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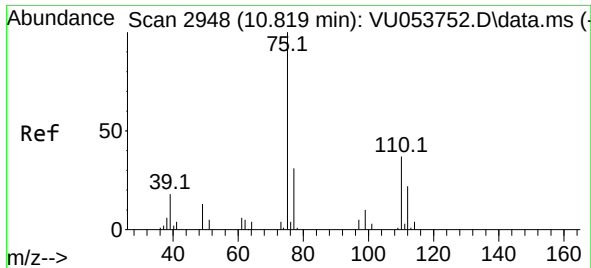
Tgt Ion: 43	Resp:	3298	
Ion	Ratio	Lower	Upper
43	100		
58	49.4	52.8	79.2#
57	0.0	17.1	25.7#
100	0.6	10.8	16.2#



#49
Dibromochloromethane
Concen: 9.467 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053764.D
Acq: 18 Apr 2023 17:03

Tgt Ion:129	Resp:	64953	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.2	97.0#





#61

1,2,3-Trichloropropane

Concen: 1.364 ug/L

RT: 11.806 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU053764.D

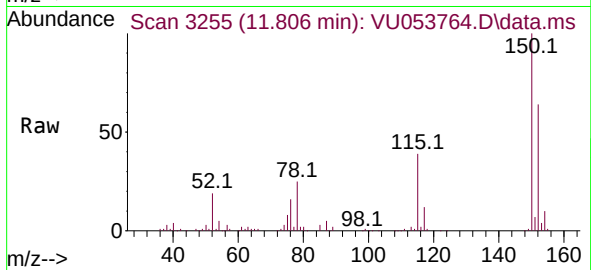
Acq: 18 Apr 2023 17:03

Instrument :

MSVOA_U

ClientSampleId :

BHE19



Tgt Ion: 75 Resp: 7683

Ion Ratio Lower Upper

75 100

110 2.0 30.6 46.0#

77 31.0 26.1 39.1

