

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053758.D
 Acq On : 18 Apr 2023 14:33
 Operator : JC/MD
 Sample : 02340-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE14

Quant Time: Apr 19 05:01:02 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	132299	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	125089	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	60564	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	48265	5.303	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 106.000%	
7) Chloroethane-d5	1.912	69	43395	5.254	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 105.000%	
11) 1,1-Dichloroethene-d2	2.565	65	17907	4.619	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 92.400%	
20) 2-Butanone-d5	4.623	46	106049	50.863	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 101.720%	
24) Chloroform-d	5.057	84	93568	5.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 111.000%	
26) 1,2-Dichloroethane-d4	5.697	65	48018	5.553	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 111.000%	
32) Benzene-d6	5.722	84	184834	5.214	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 104.200%	
36) 1,2-Dichloropropane-d6	6.687	67	60705	5.620	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 112.400%	
41) Toluene-d8	7.893	98	164721	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 98.600%	
43) trans-1,3-Dichloroprop...	8.176	79	22557	5.442	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 108.800%	
46) 2-Hexanone-d5	8.629	63	94202	55.948	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 111.900%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	47495	5.282	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 105.600%	
66) 1,2-Dichlorobenzene-d4	12.192	152	63694	5.846	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 117.000%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	11964	1.451	ug/L	94
12) 1,1-Dichloroethene	2.578	96	108506	14.486	ug/L #	75
17) Methyl tert-butyl Ether	3.359	73	12487	0.688	ug/L	93
18) trans-1,2-Dichloroethene	3.346	96	1347	0.173	ug/L	72
19) 1,1-Dichloroethane	3.867	63	55066	3.842	ug/L #	96
22) cis-1,2-Dichloroethene	4.661	96	86056	8.209	ug/L	97
27) 1,2-Dichloroethane	5.793	62	1780	0.193	ug/L #	77
29) 1,1,1-Trichloroethane	5.311	97	50489	4.088	ug/L	96
31) Carbon tetrachloride	5.314	117	6560	0.628	ug/L	96
34) Trichloroethene	6.536	95	469607	52.614	ug/L	95
35) Methylcyclohexane	6.687	83	14258	0.931	ug/L #	22
37) 1,2-Dichloropropane	6.687	63	6244	0.706	ug/L #	89
45) 1,1,2-Trichloroethane	8.394	97	699	0.111	ug/L	91
47) Tetrachloroethene	8.549	164	643344	98.101	ug/L	94
48) 2-Hexanone	8.681	43	2548	0.796	ug/L #	54
49) Dibromochloromethane	8.549	129	625904	100.729	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	7323	1.459	ug/L #	66

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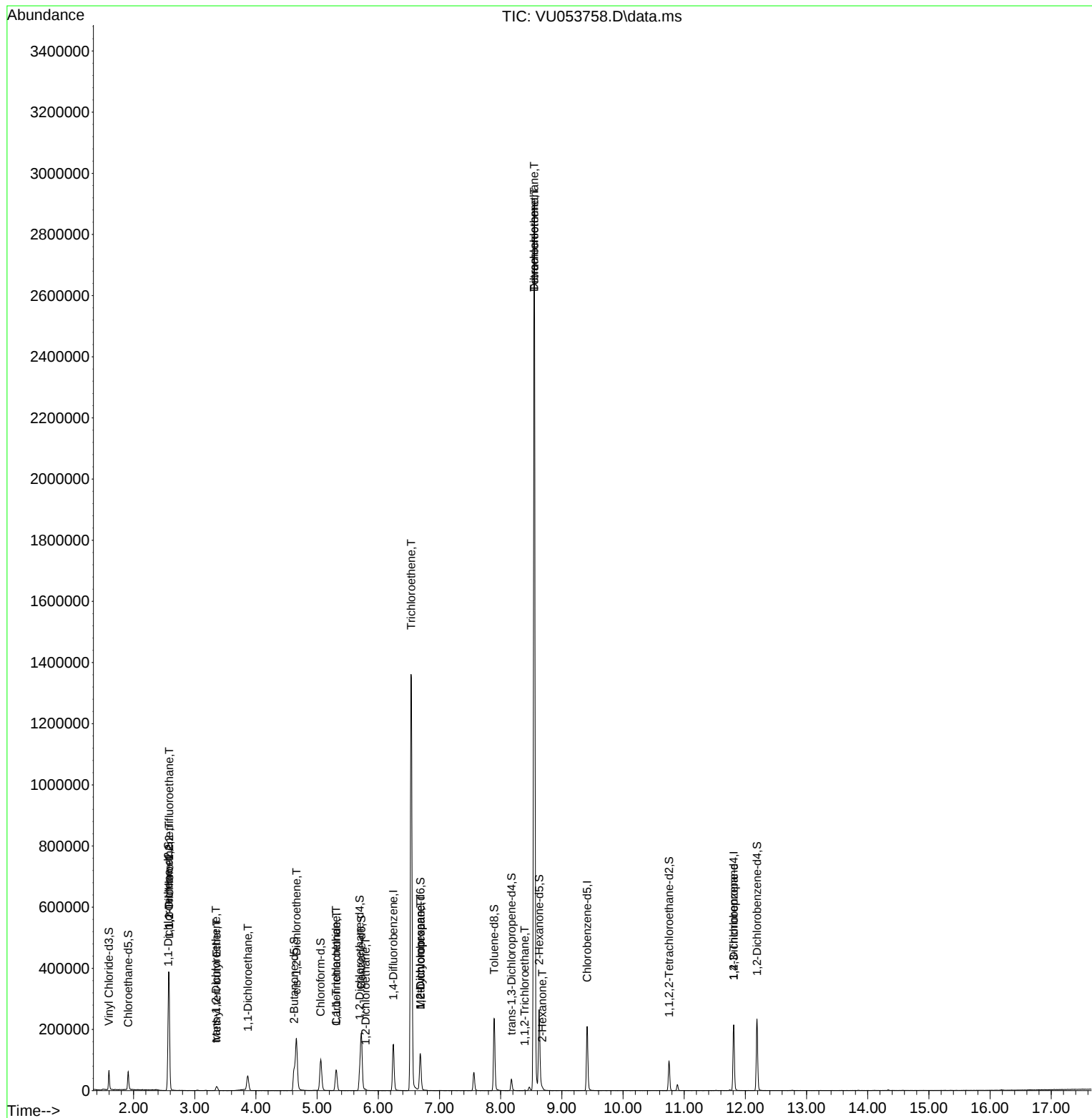
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

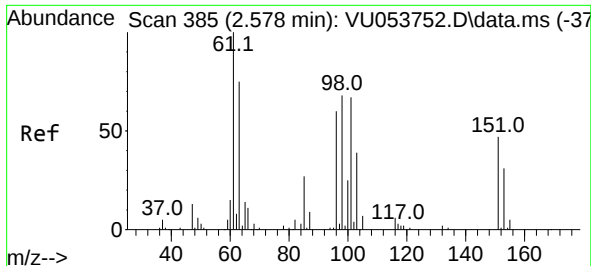
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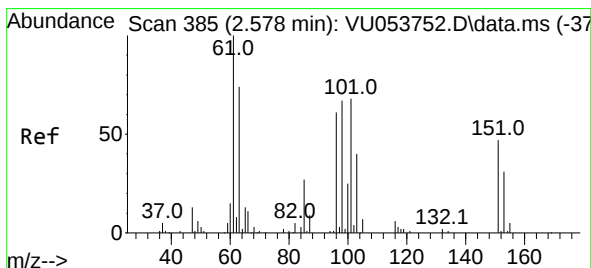
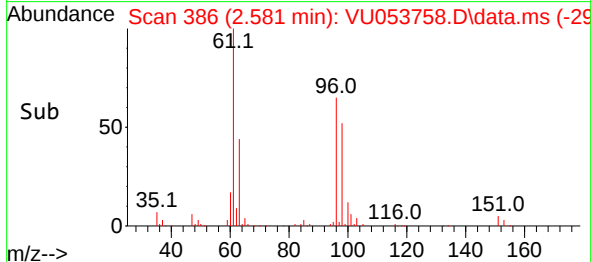
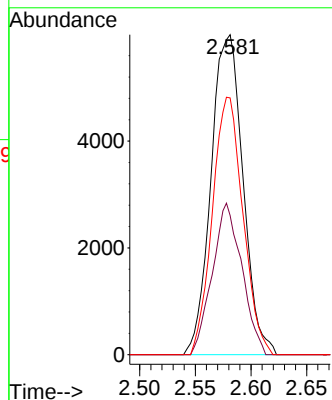
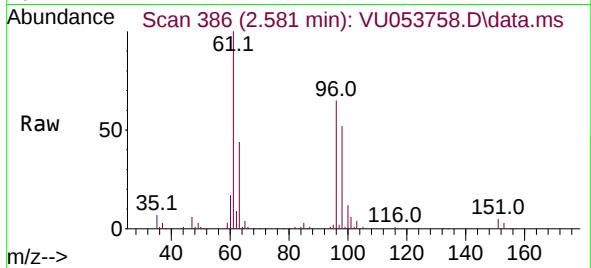




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.451 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053758.D
 Acq: 18 Apr 2023 14:33

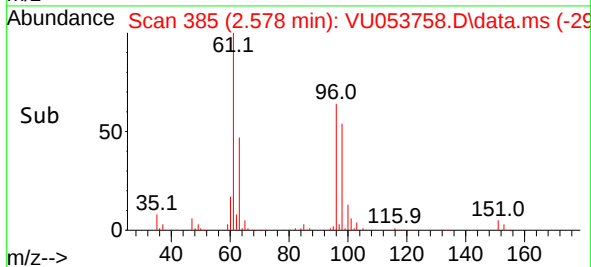
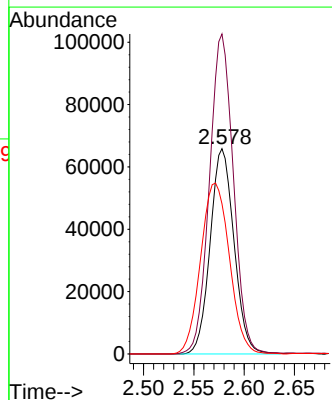
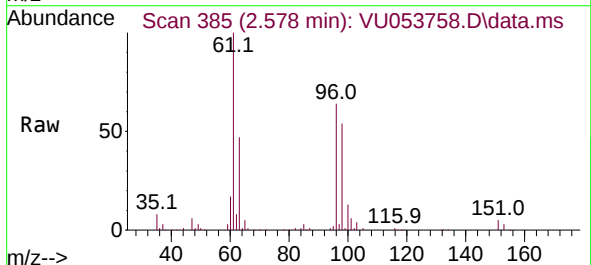
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE14

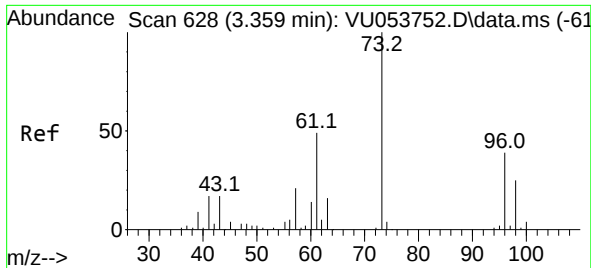
Tgt Ion:101 Resp: 11964
 Ion Ratio Lower Upper
 101 100
 85 43.7 37.0 55.4
 151 76.9 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 14.486 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053758.D
 Acq: 18 Apr 2023 14:33

Tgt Ion: 96 Resp: 108506
 Ion Ratio Lower Upper
 96 100
 61 155.8 116.8 216.8
 63 73.1 88.6 164.6#





#17

Methyl tert-butyl Ether

Concen: 0.688 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

Instrument :

MSVOA_U

ClientSampleId :

BHE14

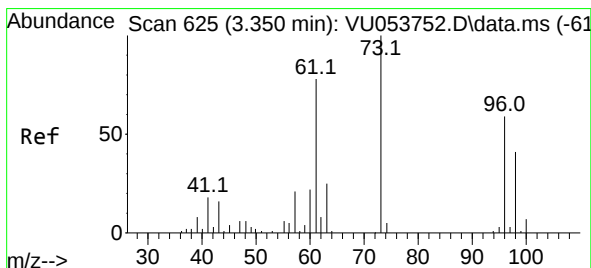
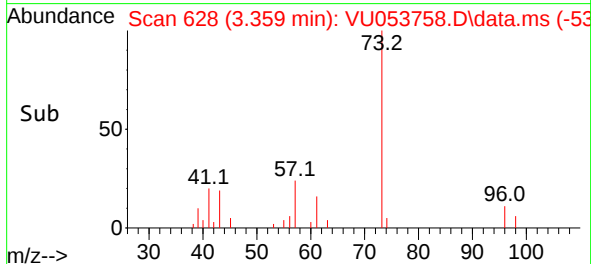
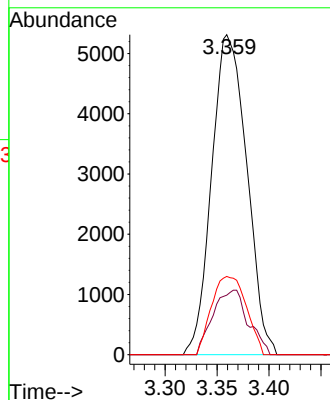
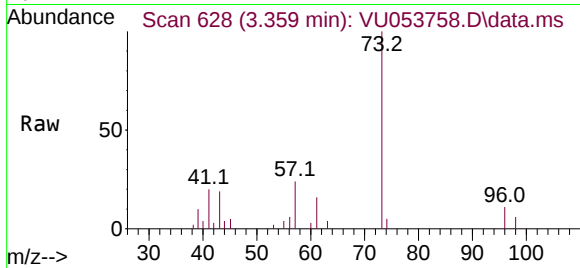
Tgt Ion: 73 Resp: 12487

Ion Ratio Lower Upper

73 100

43 20.3 13.9 20.9

57 24.3 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 0.173 ug/L

RT: 3.346 min Scan# 624

Delta R.T. -0.003 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

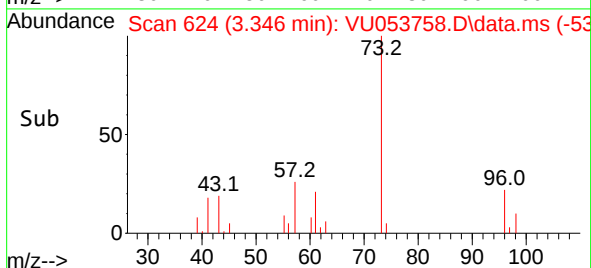
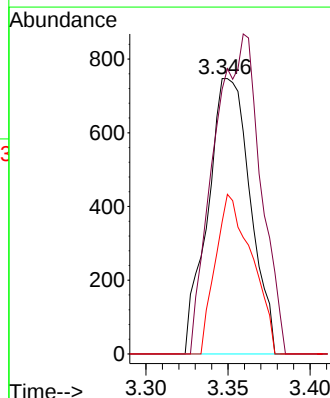
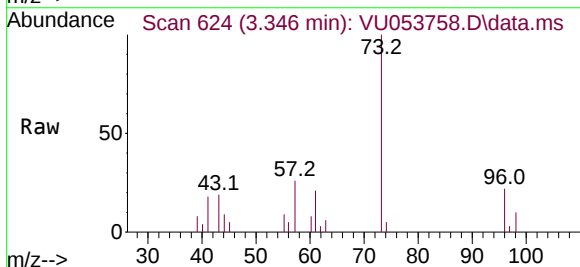
Tgt Ion: 96 Resp: 1347

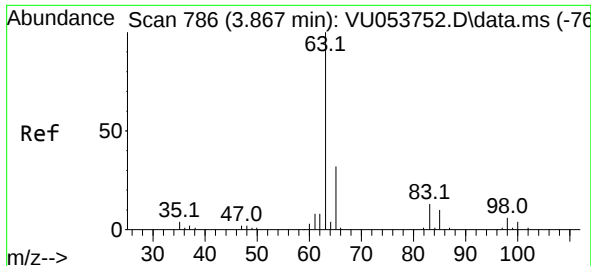
Ion Ratio Lower Upper

96 100

61 96.1 95.5 177.3

98 47.9 42.2 78.4

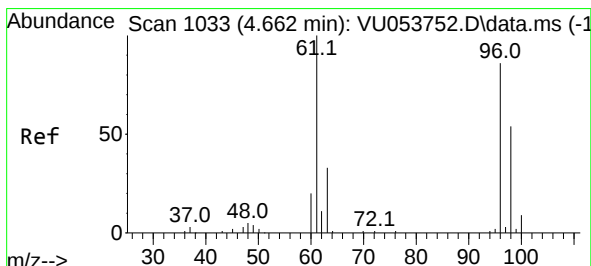
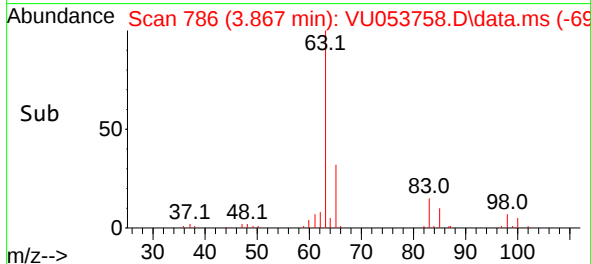
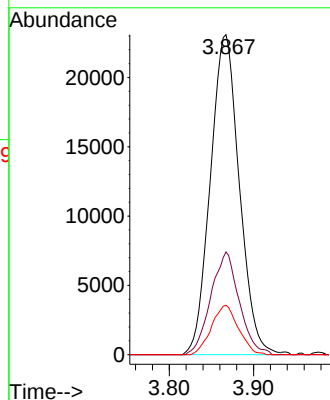
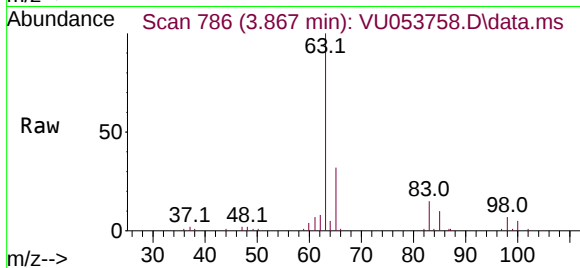




#19
1,1-Dichloroethane
Concen: 3.842 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

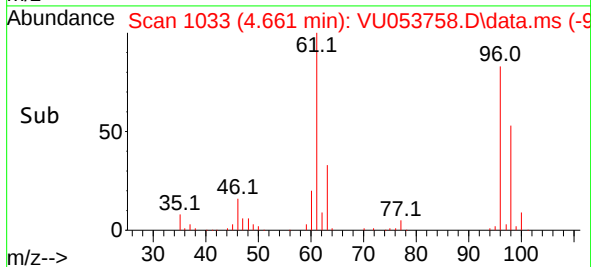
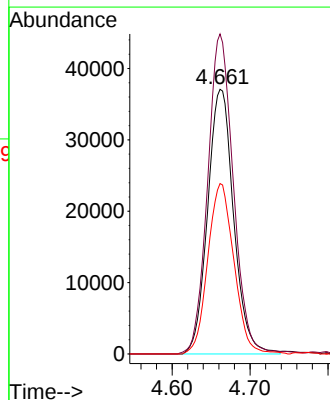
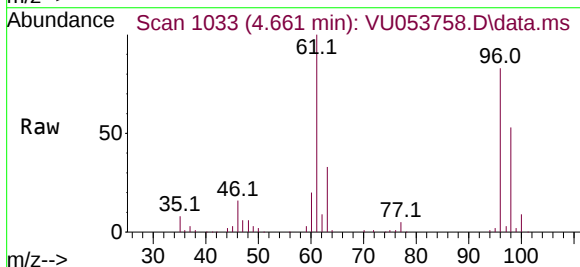
Instrument :
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BHE14

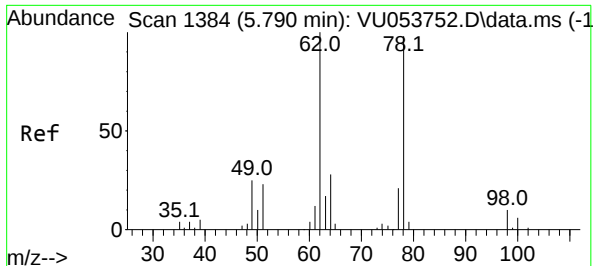
Tgt Ion: 63 Resp: 55066
Ion Ratio Lower Upper
63 100
65 32.1 21.7 40.3
83 15.4 8.1 15.1#



#22
cis-1,2-Dichloroethene
Concen: 8.209 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

Tgt Ion: 96 Resp: 86056
Ion Ratio Lower Upper
96 100
61 120.9 86.6 160.8
98 64.4 47.7 88.5

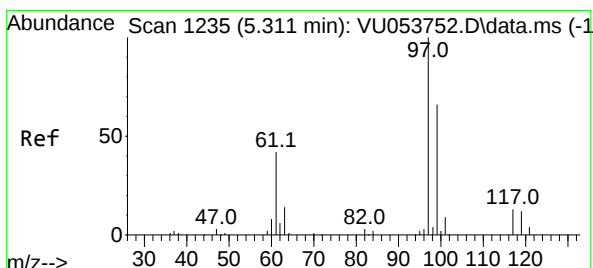
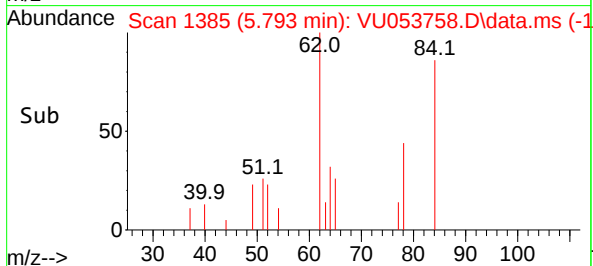
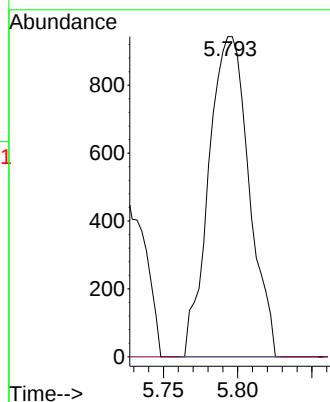
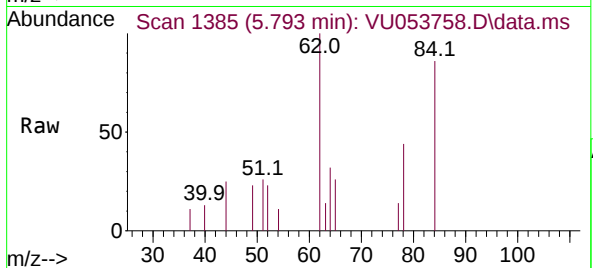




#27
1,2-Dichloroethane
Concen: 0.193 ug/L
RT: 5.793 min Scan# 1384
Delta R.T. 0.003 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

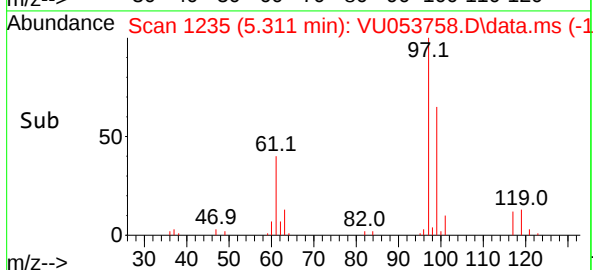
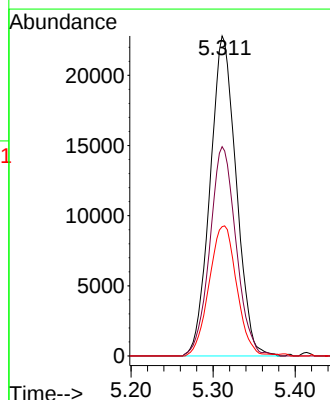
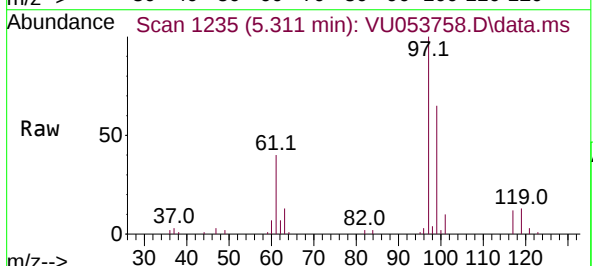
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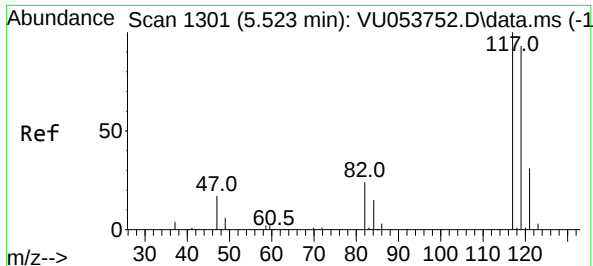
Tgt Ion: 62 Resp: 1780
Ion Ratio Lower Upper
62 100
98 0.0 6.4 9.6#



#29
1,1,1-Trichloroethane
Concen: 4.088 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

Tgt Ion: 97 Resp: 50489
Ion Ratio Lower Upper
97 100
99 66.0 49.9 74.9
61 43.1 35.7 53.5

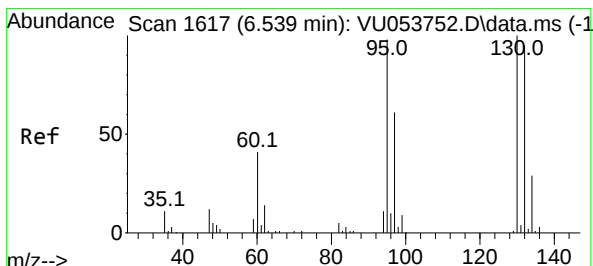
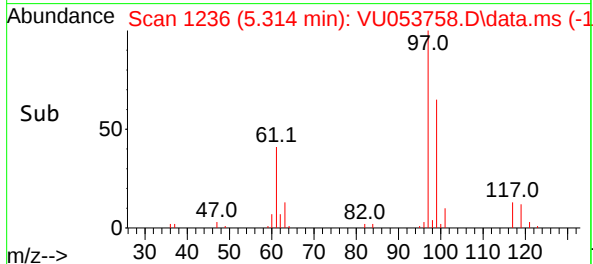
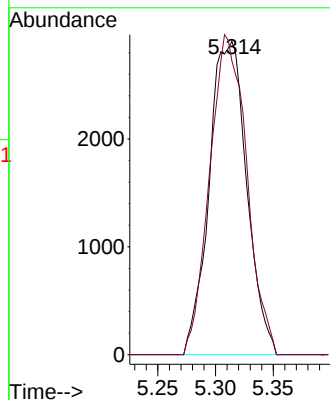
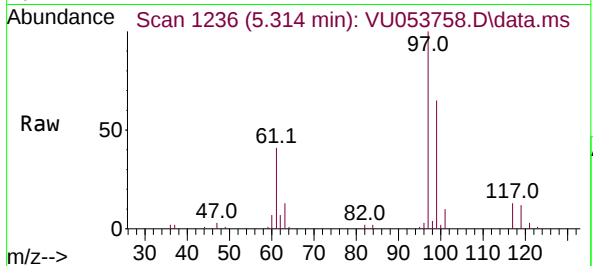




#31
Carbon tetrachloride
Concen: 0.628 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

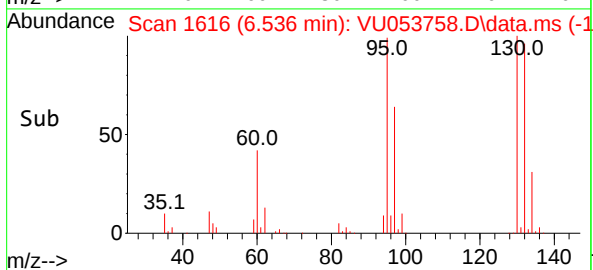
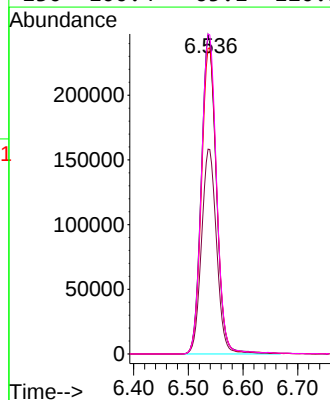
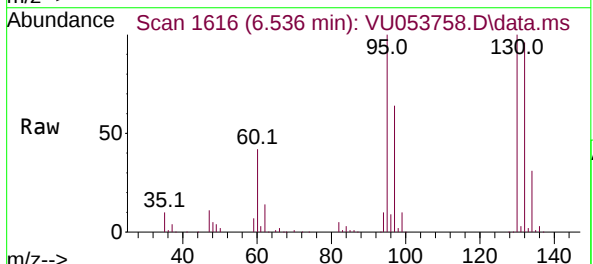
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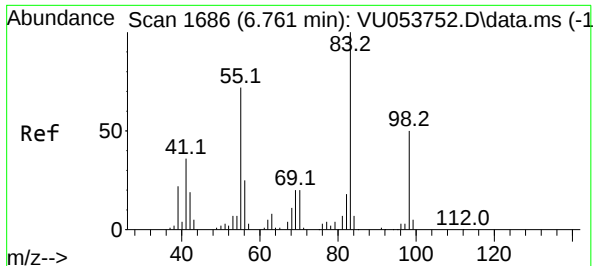
Tgt Ion:117 Resp: 6560
Ion Ratio Lower Upper
117 100
119 100.9 77.7 116.5



#34
Trichloroethene
Concen: 52.614 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

Tgt Ion: 95 Resp: 469607
Ion Ratio Lower Upper
95 100
97 64.2 45.3 84.1
132 95.9 62.8 116.6
130 100.4 65.1 120.9





#35

Methylcyclohexane

Concen: 0.931 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.074 min

Lab File: VU053758.D

Acq: 18 Apr 2023 14:33

Instrument :

MSVOA_U

ClientSampleId :

BHE14

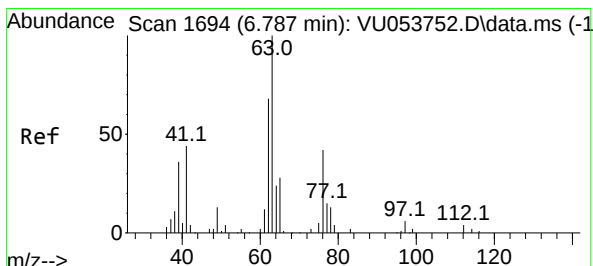
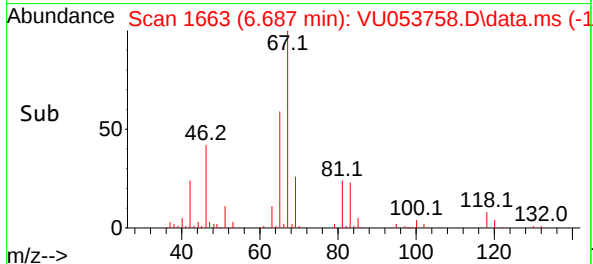
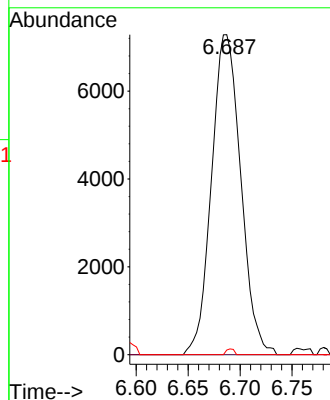
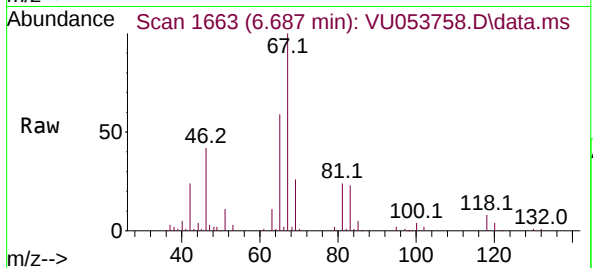
Tgt Ion: 83 Resp: 14258

Ion Ratio Lower Upper

83 100

55 0.0 54.9 82.3#

98 0.0 34.9 52.3#



#37

1,2-Dichloropropane

Concen: 0.706 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.100 min

Lab File: VU053758.D

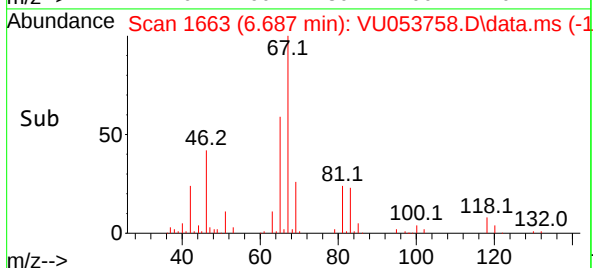
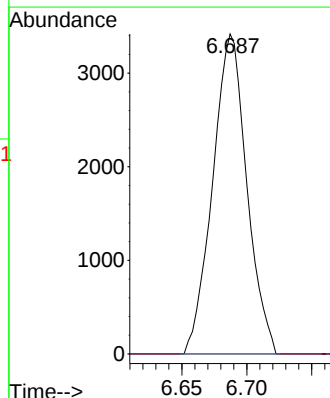
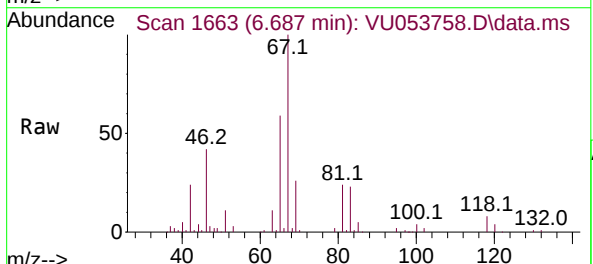
Acq: 18 Apr 2023 14:33

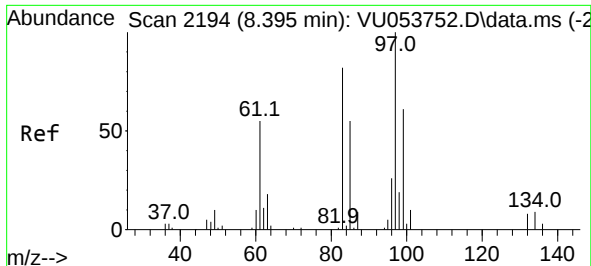
Tgt Ion: 63 Resp: 6244

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#

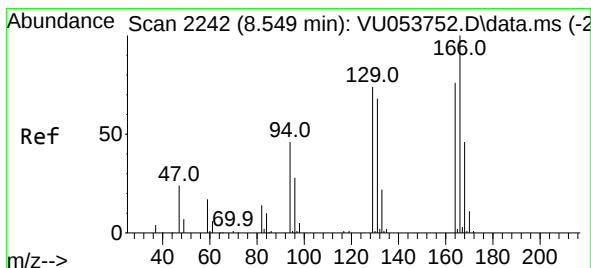
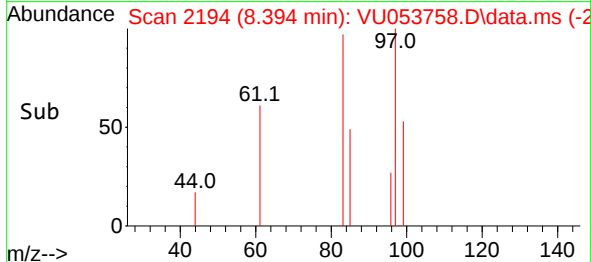
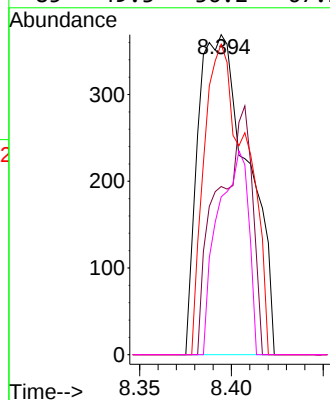
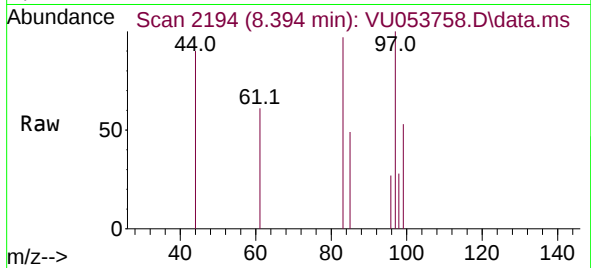




#45
1,1,2-Trichloroethane
Concen: 0.111 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

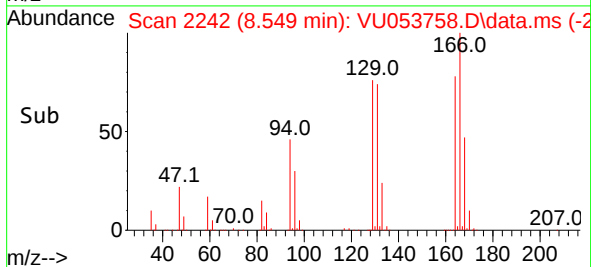
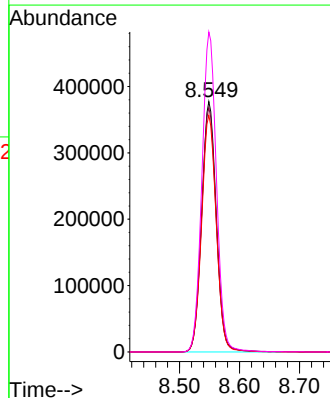
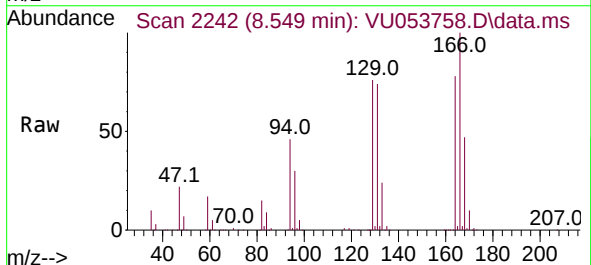
Instrument :
MSVOA_U
ClientSampleId :
BHE14

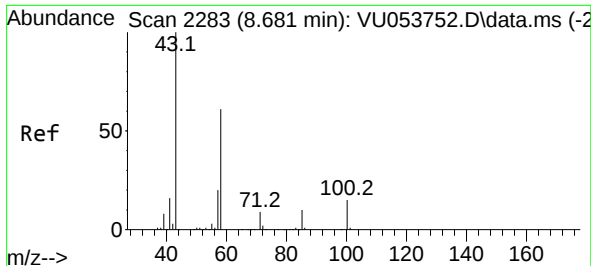
Tgt Ion: 97	Resp: 699
Ion Ratio	Lower Upper
97 100	
99 52.6	38.9 72.2
83 97.0	57.6 107.0
85 49.3	36.2 67.2



#47
Tetrachloroethene
Concen: 98.101 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

Tgt	Ion:164	Resp:	643344
Ion	Ratio	Lower	Upper
164	100		
129	97.6	74.8	138.8
131	94.5	70.1	130.1
166	127.8	87.3	162.1

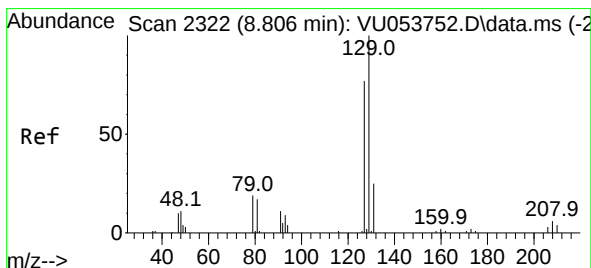
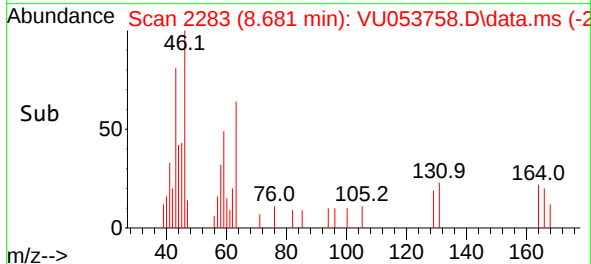
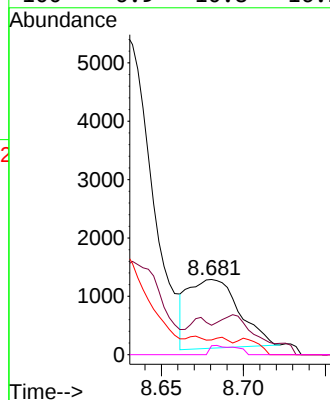
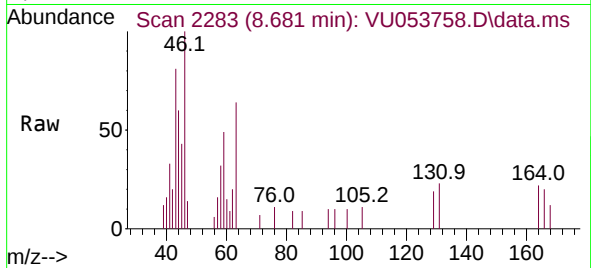




#48
2-Hexanone
Concen: 0.796 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

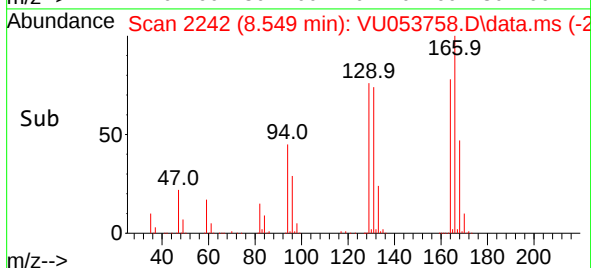
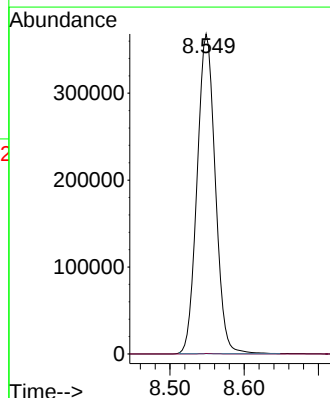
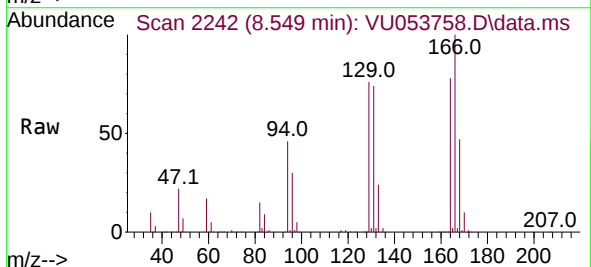
Instrument :
MSVOA_U
ClientSampleId :
BHE14

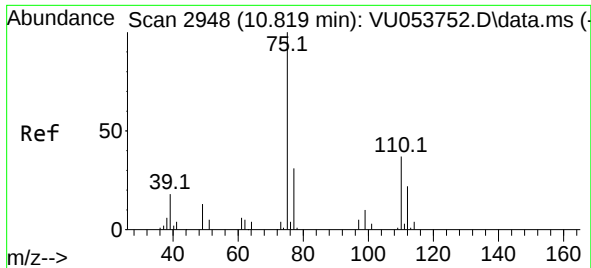
Tgt Ion: 43	Resp: 2548
Ion Ratio	Lower Upper
43 100	
58 24.7	52.8 79.2#
57 0.0	17.1 25.7#
100 6.9	10.8 16.2#



#49
Dibromochloromethane
Concen: 100.729 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053758.D
Acq: 18 Apr 2023 14:33

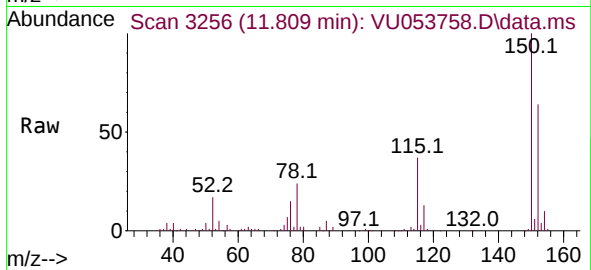
Tgt Ion:129	Resp: 625904		
Ion Ratio	Lower	Upper	
129 100			
127 0.1	52.2	97.0#	





#61
 1,2,3-Trichloropropane
 Concen: 1.459 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU053758.D
 Acq: 18 Apr 2023 14:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE14



Tgt Ion: 75 Resp: 7323
 Ion Ratio Lower Upper
 75 100
 110 1.0 30.6 46.0#
 77 31.4 26.1 39.1

