

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053697.D
 Acq On : 13 Apr 2023 21:25
 Operator : JC/MD
 Sample : 02340-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE08

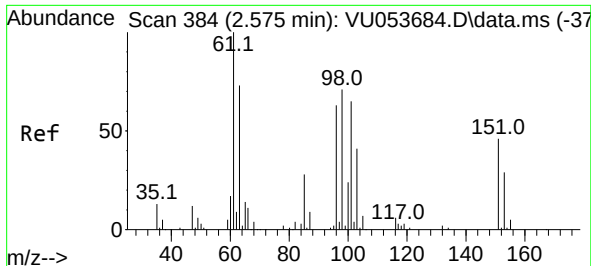
Quant Time: Apr 14 02:27:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 02:17:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	136093	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129471	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65817	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	52012	5.556	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.200%
7) Chloroethane-d5	1.909	69	39345	4.630	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.559	65	17629	4.420	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	4.620	46	80668	37.611	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.220%
24) Chloroform-d	5.057	84	76240	4.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.697	65	37978	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.722	84	158178	4.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.687	67	47949	4.289	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.893	98	145008	4.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.176	79	17256	4.022	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.629	63	74673	42.849	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.700%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	36265	3.897	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	51027	4.309	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.200%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	61871	7.297	ug/L	96
12) 1,1-Dichloroethene	2.575	96	171646	22.276	ug/L #	69
17) Methyl tert-butyl Ether	3.359	73	5633	0.302	ug/L	95
18) trans-1,2-Dichloroethene	3.343	96	1468	0.183	ug/L	79
19) 1,1-Dichloroethane	3.864	63	185796	12.601	ug/L	98
22) cis-1,2-Dichloroethene	4.661	96	140916	13.068	ug/L	94
25) Chloroform	5.083	83	14089	0.929	ug/L	97
27) 1,2-Dichloroethane	5.793	62	8776	0.924	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	45859	3.588	ug/L	95
34) Trichloroethene	6.536	95	1157732	125.321	ug/L	95
35) Methylcyclohexane	6.687	83	11201	0.707	ug/L #	22
45) 1,1,2-Trichloroethane	8.394	97	1414	0.217	ug/L	94
47) Tetrachloroethene	8.549	164	448423	66.064	ug/L	96
48) 2-Hexanone	8.681	43	2366	0.714	ug/L #	50
49) Dibromochloromethane	8.549	129	442016	68.728	ug/L #	12
61) 1,2,3-Trichloropropane	10.819	75	13559	2.486	ug/L	97

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

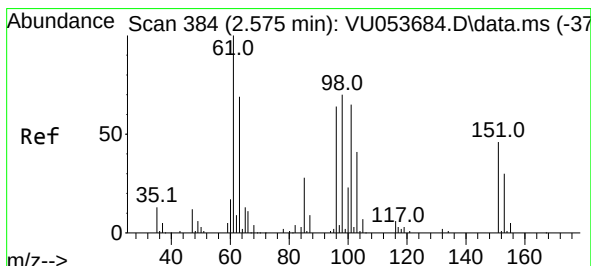
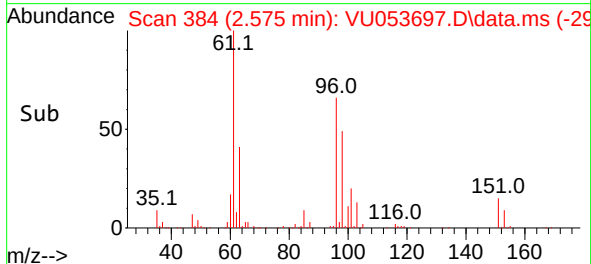
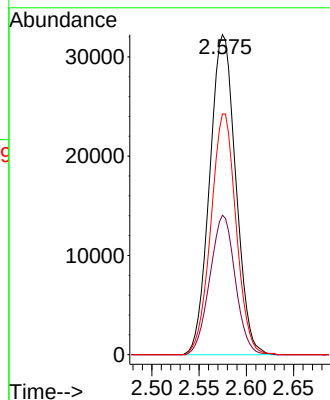
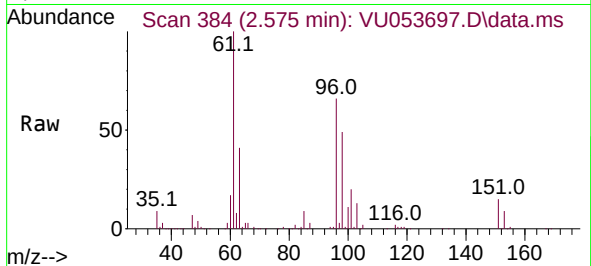
Instrument :
MSVOA_U
ClientSampleId :
BHE08



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 7.297 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU053697.D
 Acq: 13 Apr 2023 21:25

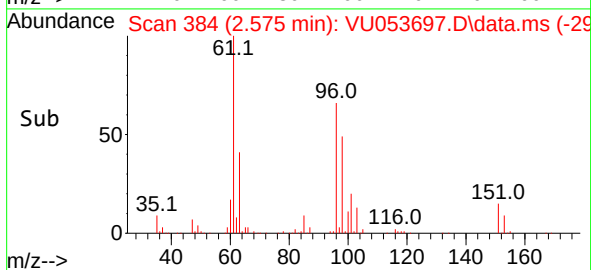
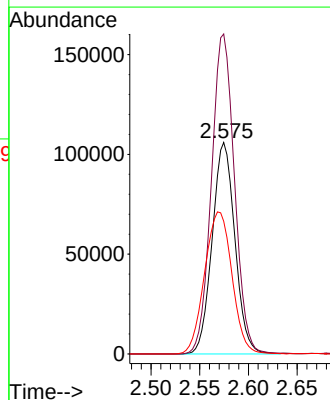
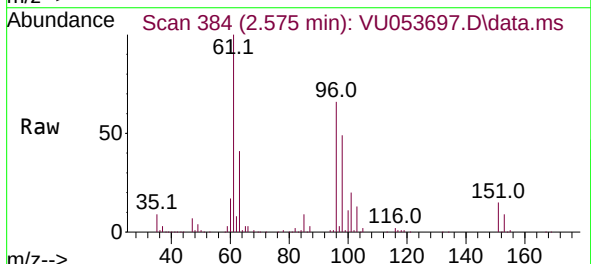
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE08

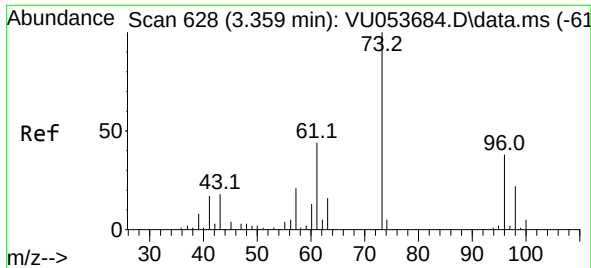
Tgt Ion:101 Resp: 61871
 Ion Ratio Lower Upper
 101 100
 85 42.5 37.0 55.4
 151 72.8 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 22.276 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU053697.D
 Acq: 13 Apr 2023 21:25

Tgt Ion: 96 Resp: 171646
 Ion Ratio Lower Upper
 96 100
 61 151.3 116.8 216.8
 63 62.7 88.6 164.6#

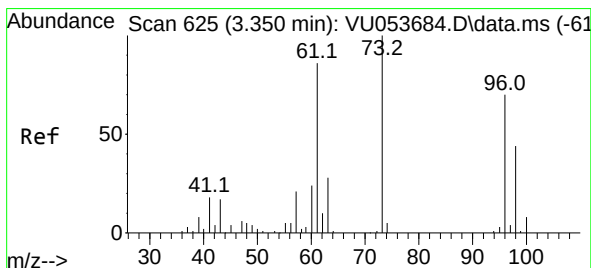
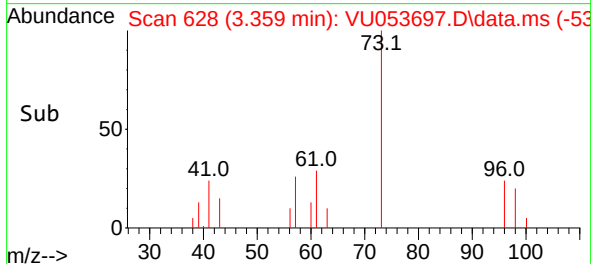
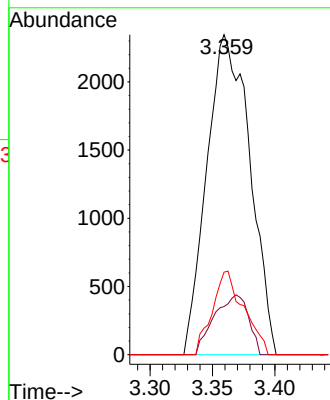
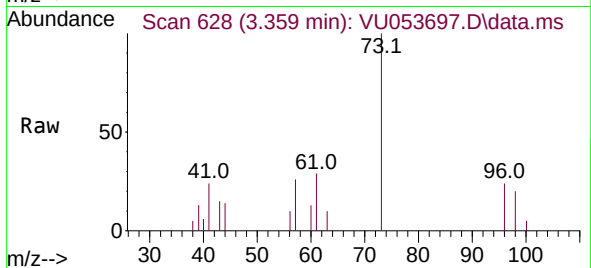




#17
Methyl tert-butyl Ether
Concen: 0.302 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053697.D
Acq: 13 Apr 2023 21:25

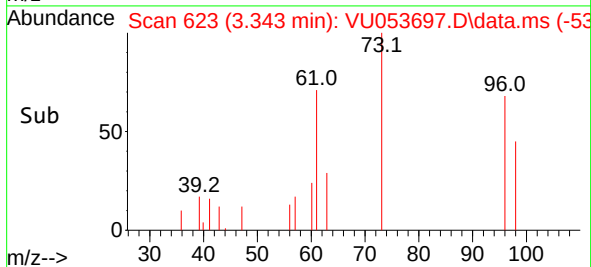
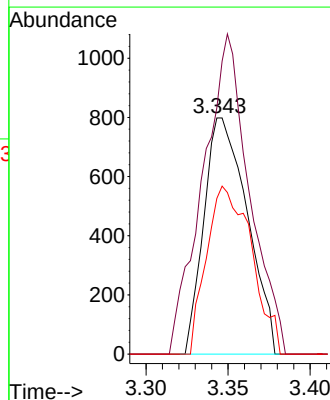
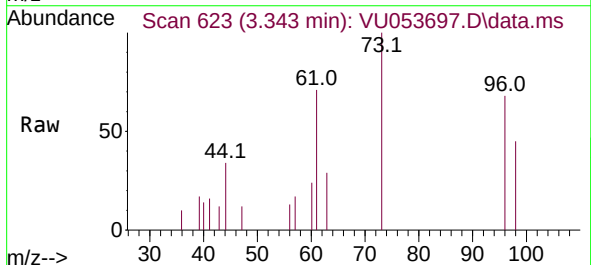
Instrument :
MSVOA_U
ClientSampleId :
BHE08

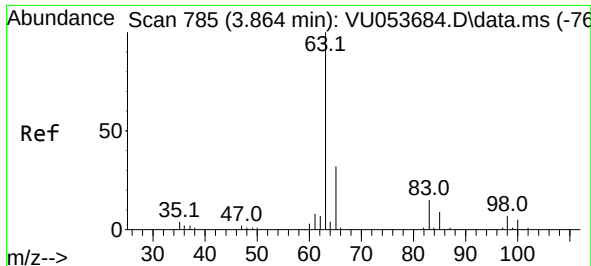
Tgt Ion: 73	Resp:	5633
Ion	Ratio	Lower Upper
73	100	
43	14.9	13.9 20.9
57	19.2	17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.183 ug/L
RT: 3.343 min Scan# 623
Delta R.T. -0.007 min
Lab File: VU053697.D
Acq: 13 Apr 2023 21:25

Tgt Ion: 96	Resp:	1468
Ion	Ratio	Lower Upper
96	100	
61	104.3	95.5 177.3
98	65.9	42.2 78.4





#19

1,1-Dichloroethane

Concen: 12.601 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU053697.D

Acq: 13 Apr 2023 21:25

Instrument :

MSVOA_U

ClientSampleId :

BHE08

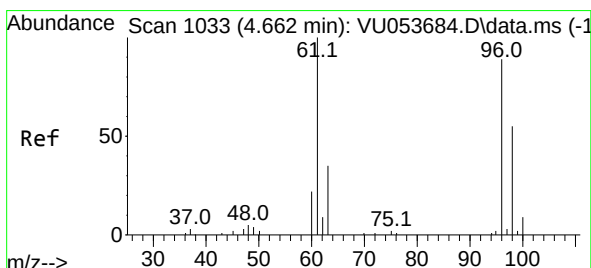
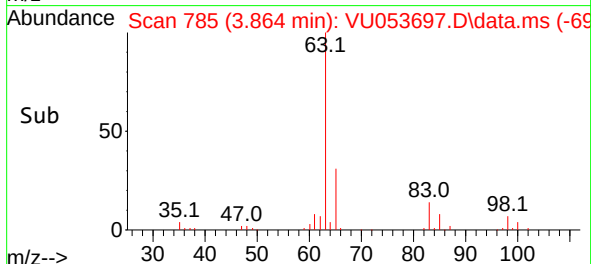
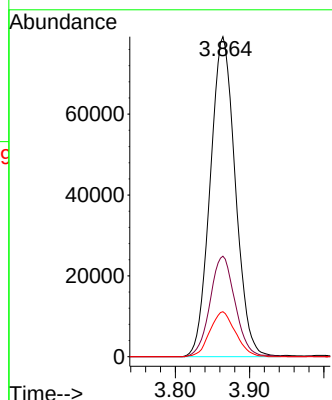
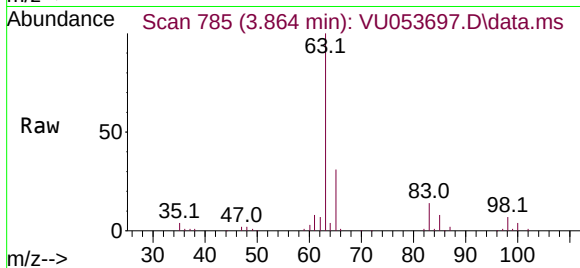
Tgt Ion: 63 Resp: 185796

Ion Ratio Lower Upper

63 100

65 31.4 21.7 40.3

83 14.1 8.1 15.1



#22

cis-1,2-Dichloroethene

Concen: 13.068 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053697.D

Acq: 13 Apr 2023 21:25

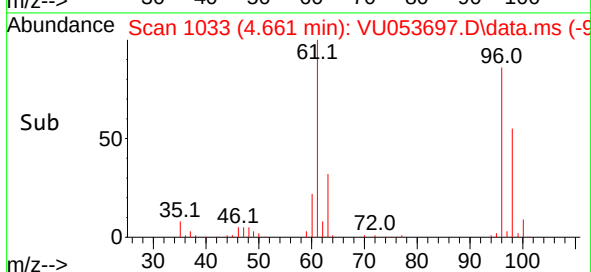
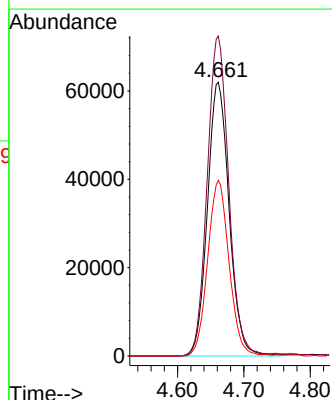
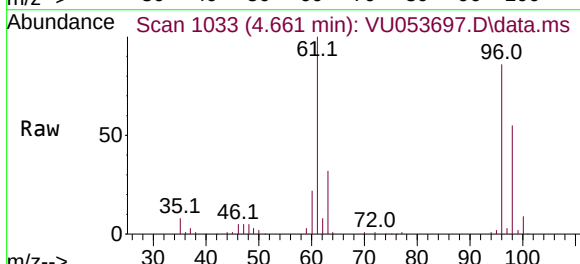
Tgt Ion: 96 Resp: 140916

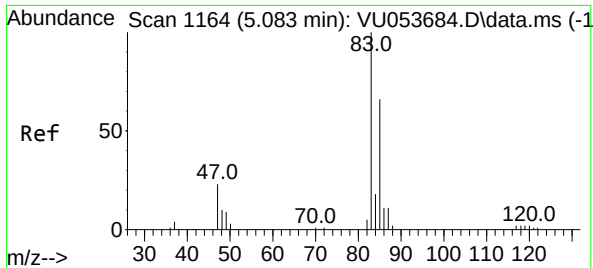
Ion Ratio Lower Upper

96 100

61 116.9 86.6 160.8

98 64.2 47.7 88.5





#25

Chloroform

Concen: 0.929 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053697.D

Acq: 13 Apr 2023 21:25

Instrument :

MSVOA_U

ClientSampleId :

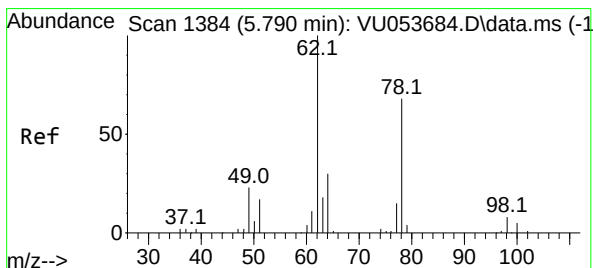
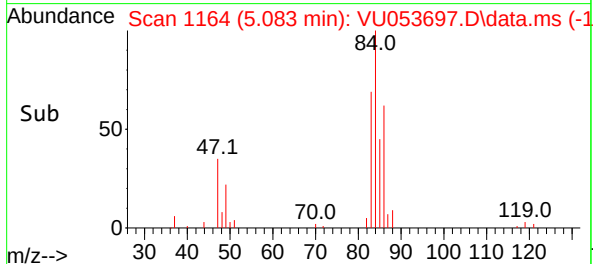
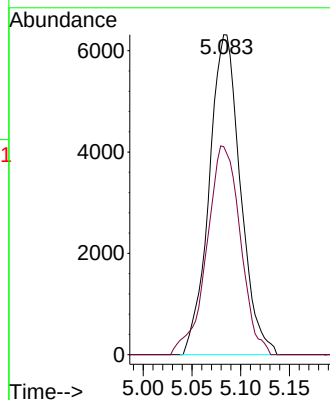
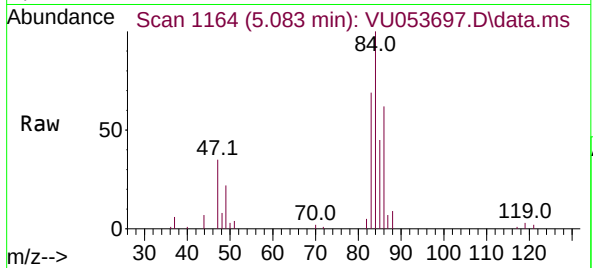
BHE08

Tgt Ion: 83 Resp: 14089

Ion Ratio Lower Upper

83 100

85 65.0 47.3 87.9



#27

1,2-Dichloroethane

Concen: 0.924 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053697.D

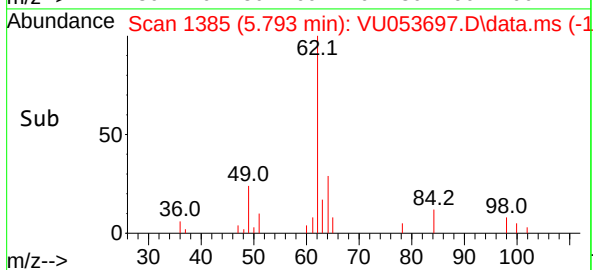
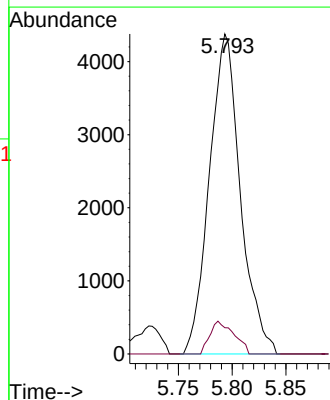
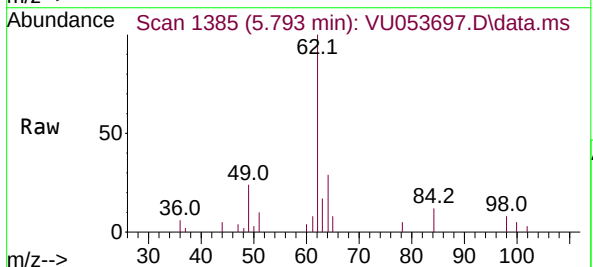
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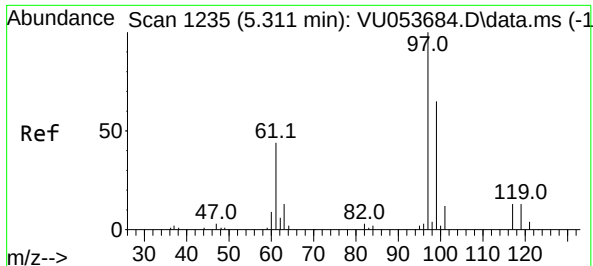
Tgt Ion: 62 Resp: 8776

Ion Ratio Lower Upper

62 100

98 8.2 6.4 9.6





#29

1,1,1-Trichloroethane

Concen: 3.588 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053697.D

Acq: 13 Apr 2023 21:25

Instrument :

MSVOA_U

ClientSampleId :

BHE08

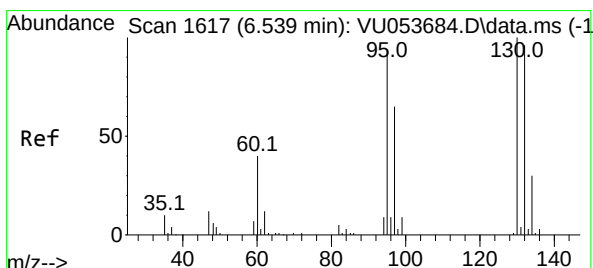
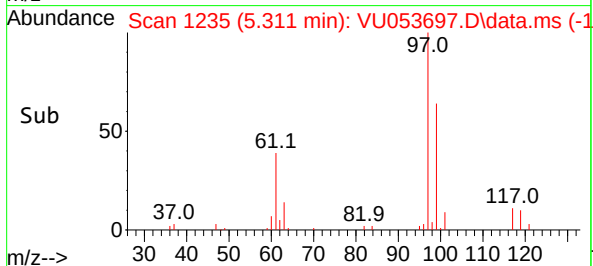
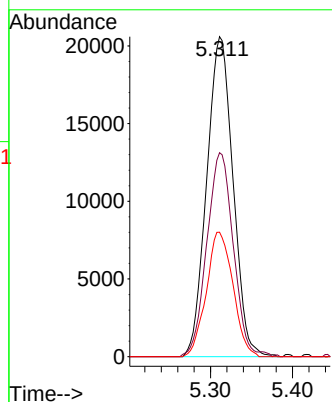
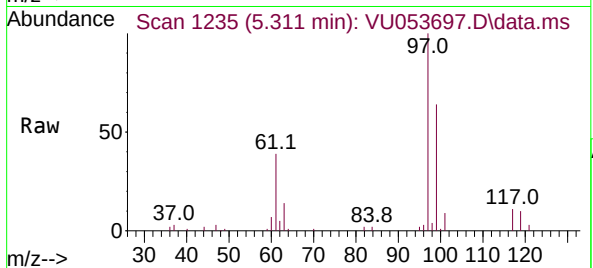
Tgt Ion: 97 Resp: 45859

Ion Ratio Lower Upper

97 100

99 64.1 49.9 74.9

61 39.3 35.7 53.5



#34

Trichloroethene

Concen: 125.321 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053697.D

Acq: 13 Apr 2023 21:25

Tgt Ion: 95 Resp: 1157732

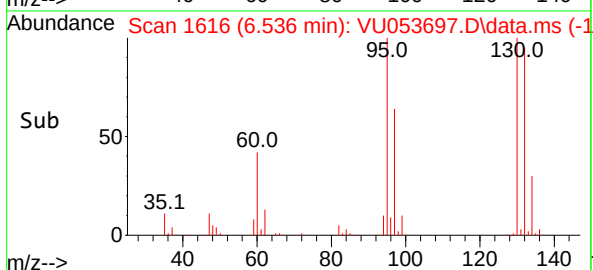
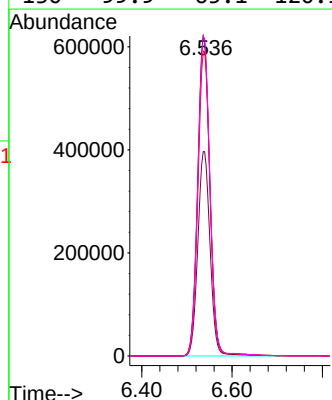
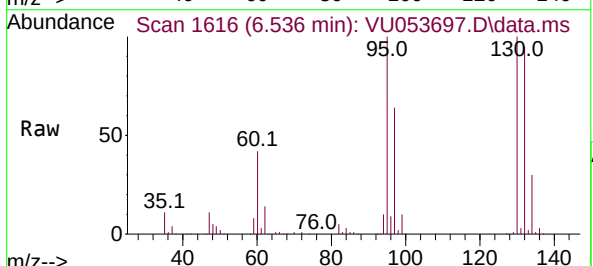
Ion Ratio Lower Upper

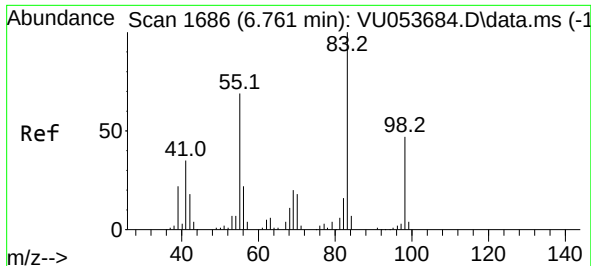
95 100

97 63.9 45.3 84.1

132 95.2 62.8 116.6

130 99.9 65.1 120.9

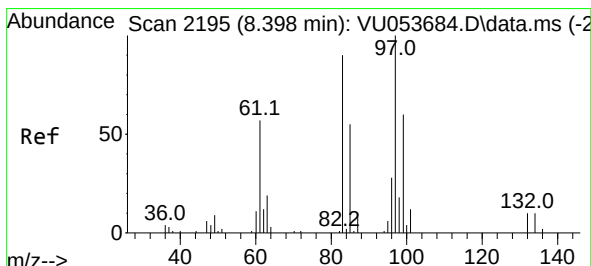
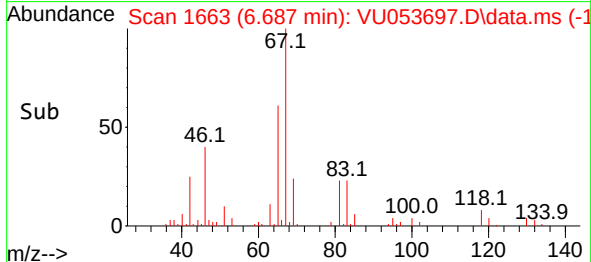
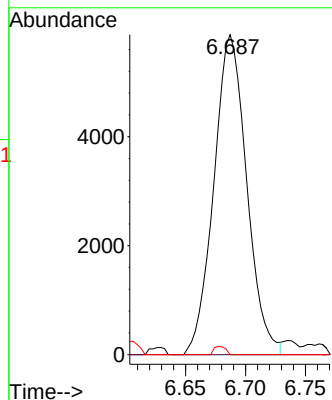
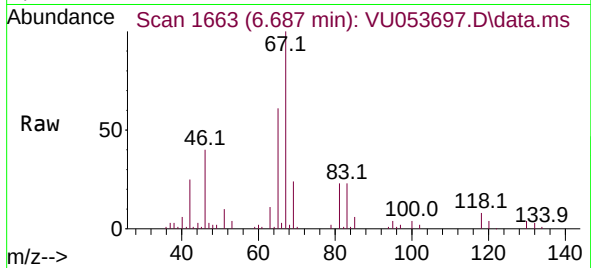




#35
Methylcyclohexane
Concen: 0.707 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.074 min
Lab File: VU053697.D
Acq: 13 Apr 2023 21:25

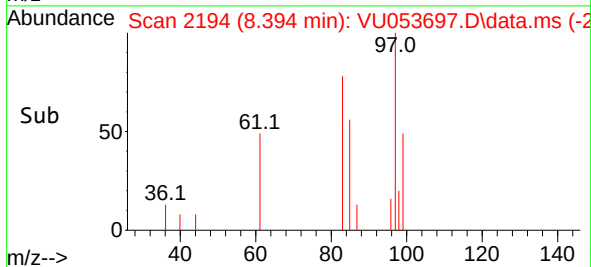
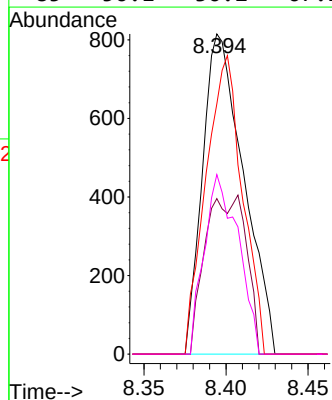
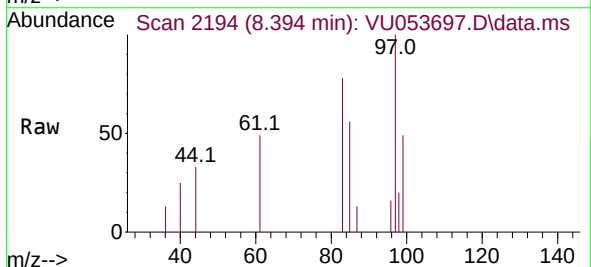
Instrument :
MSVOA_U
ClientSampleId :
BHE08

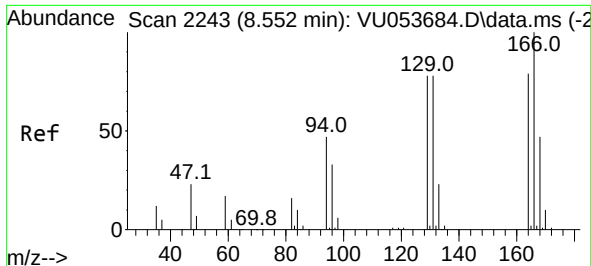
Tgt Ion: 83 Resp: 11201
Ion Ratio Lower Upper
83 100
55 0.2 54.9 82.3#
98 0.0 34.9 52.3#



#45
1,1,2-Trichloroethane
Concen: 0.217 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.003 min
Lab File: VU053697.D
Acq: 13 Apr 2023 21:25

Tgt Ion: 97 Resp: 1414
Ion Ratio Lower Upper
97 100
99 48.6 38.9 72.2
83 78.2 57.6 107.0
85 56.1 36.2 67.2





#47

Tetrachloroethene

Concen: 66.064 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053697.D

Acq: 13 Apr 2023 21:25

Instrument :

MSVOA_U

ClientSampleId :

BHE08

Tgt Ion:164 Resp: 448423

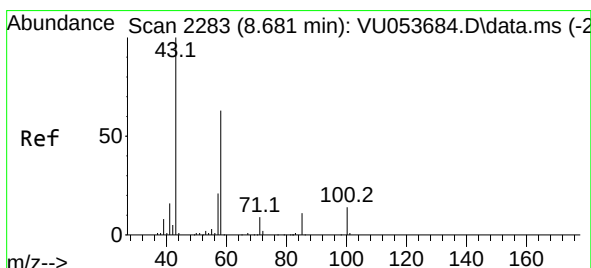
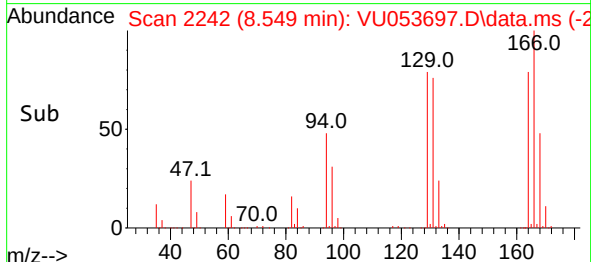
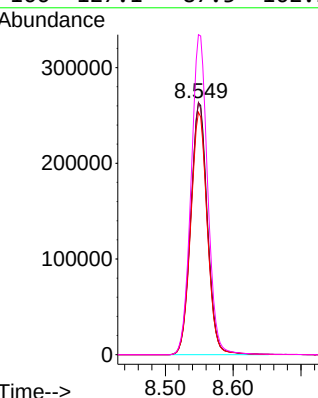
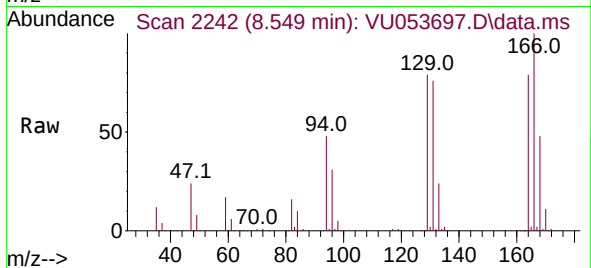
Ion Ratio Lower Upper

164 100

129 100.1 74.8 138.8

131 96.2 70.1 130.1

166 127.1 87.3 162.1



#48

2-Hexanone

Concen: 0.714 ug/L

RT: 8.681 min Scan# 2283

Delta R.T. -0.000 min

Lab File: VU053697.D

Acq: 13 Apr 2023 21:25

Tgt Ion: 43 Resp: 2366

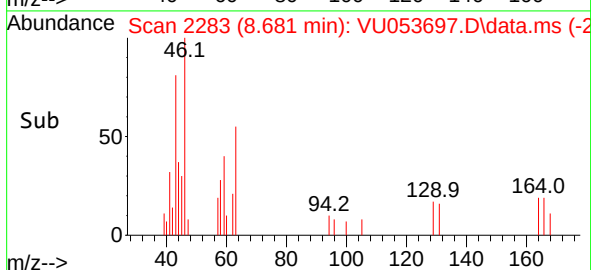
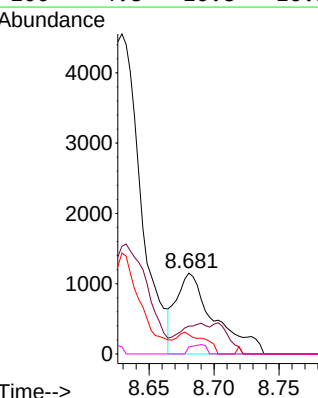
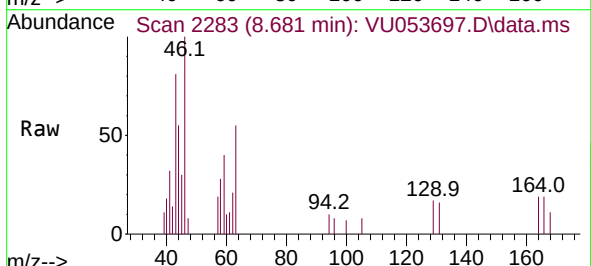
Ion Ratio Lower Upper

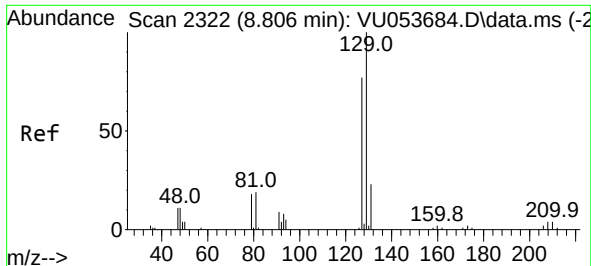
43 100

58 10.0 52.8 79.2#

57 18.8 17.1 25.7

100 4.8 10.8 16.2#

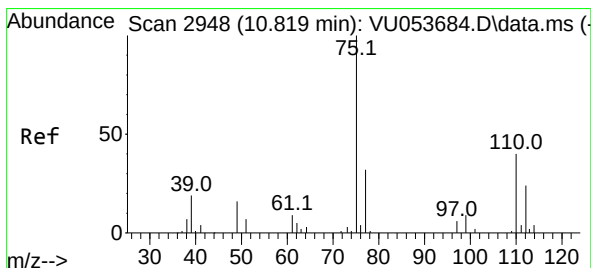
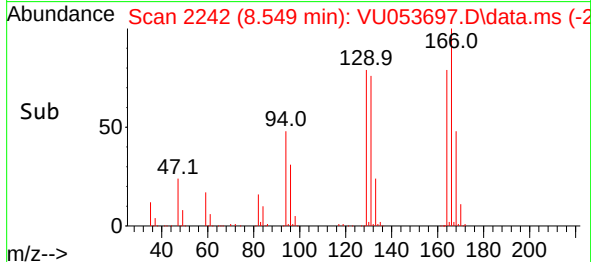
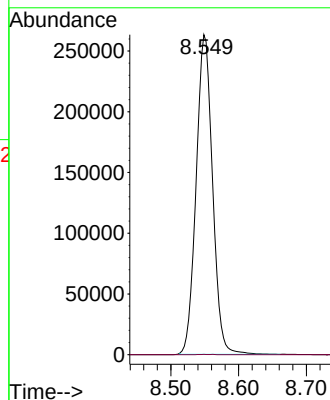
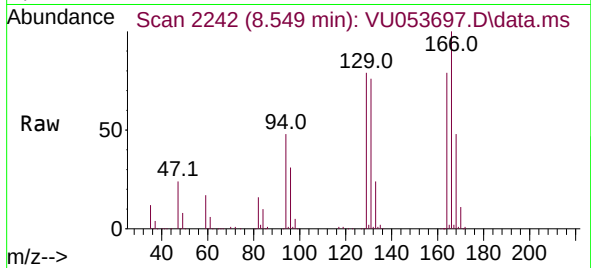




#49
Dibromochloromethane
Concen: 68.728 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU053697.D
Acq: 13 Apr 2023 21:25

Instrument :
MSVOA_U
ClientSampleId :
BHE08

Tgt Ion:129 Resp: 442016
Ion Ratio Lower Upper
129 100
127 0.1 52.2 97.0#



#61
1,2,3-Trichloropropane
Concen: 2.486 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU053697.D
Acq: 13 Apr 2023 21:25

Tgt Ion: 75 Resp: 13559
Ion Ratio Lower Upper
75 100
110 37.8 30.6 46.0
77 29.5 26.1 39.1

