

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053760.D
 Acq On : 18 Apr 2023 15:25
 Operator : JC/MD
 Sample : 02340-20 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

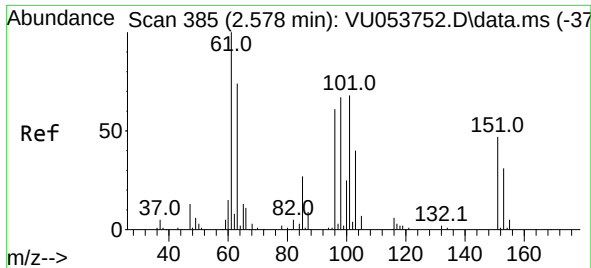
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE21

Quant Time: Apr 19 05:01:34 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	142253	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	135142	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65949	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	42842	4.378	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.912	69	38308	4.313	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.565	65	15659	3.756	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	4.623	46	95962	42.804	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.600%
24) Chloroform-d	5.057	84	82353	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.697	65	42829	4.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.722	84	162833	4.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.687	67	53002	4.542	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.896	98	145303	4.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	8.176	79	19091	4.263	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.629	63	77788	42.763	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.520%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	42703	4.396	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	56179	4.735	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	61009	7.575	ug/L #	78
16) Methylene chloride	3.044	84	3857	0.365	ug/L	95
19) 1,1-Dichloroethane	3.864	63	50221	3.259	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	6992	0.620	ug/L	93
29) 1,1,1-Trichloroethane	5.314	97	1995	0.150	ug/L #	89
34) Trichloroethene	6.539	95	116615	12.094	ug/L	94
35) Methylcyclohexane	6.687	83	12235	0.739	ug/L #	23
37) 1,2-Dichloropropane	6.687	63	5441	0.569	ug/L #	89
47) Tetrachloroethene	8.549	164	10071	1.421	ug/L	94
48) 2-Hexanone	8.674	43	3442	0.995	ug/L #	61
49) Dibromochloromethane	8.549	129	9559	1.424	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	7100	1.299	ug/L #	65

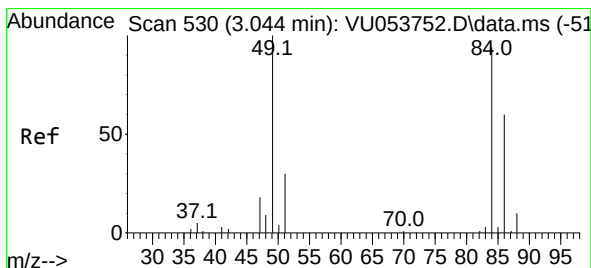
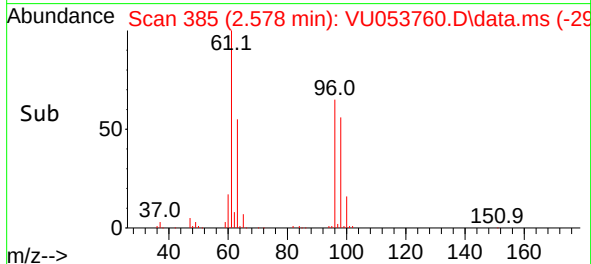
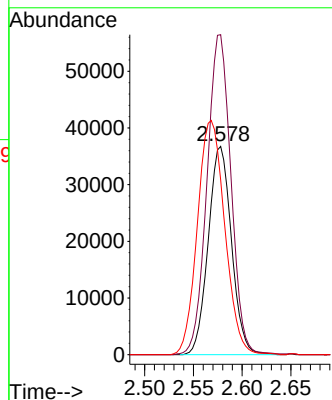
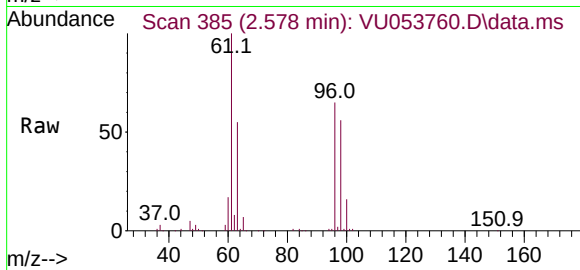
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12
1,1-Dichloroethene
Concen: 7.575 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
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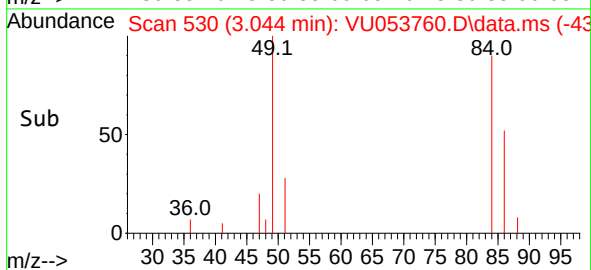
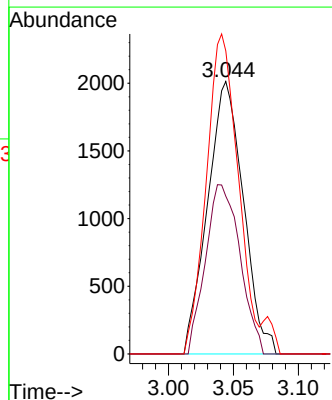
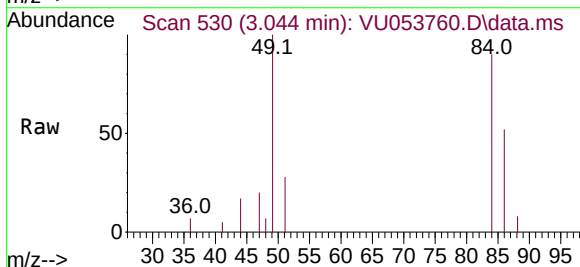
Instrument :
MSVOA_U
ClientSampleId :
BHE21

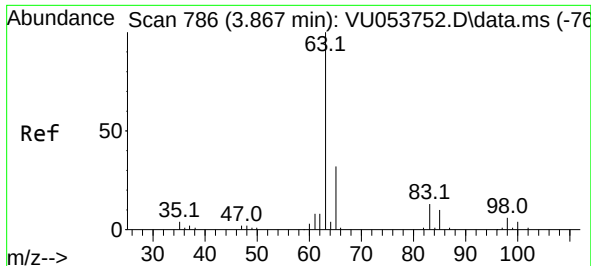
Tgt Ion: 96 Resp: 61009
Ion Ratio Lower Upper
96 100
61 153.6 116.8 216.8
63 83.9 88.6 164.6#



#16
Methylene chloride
Concen: 0.365 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053760.D
Acq: 18 Apr 2023 15:25

Tgt Ion: 84 Resp: 3857
Ion Ratio Lower Upper
84 100
86 57.9 44.7 83.1
49 111.2 75.5 140.1





#19

1,1-Dichloroethane

Concen: 3.259 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU053760.D

Acq: 18 Apr 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

BHE21

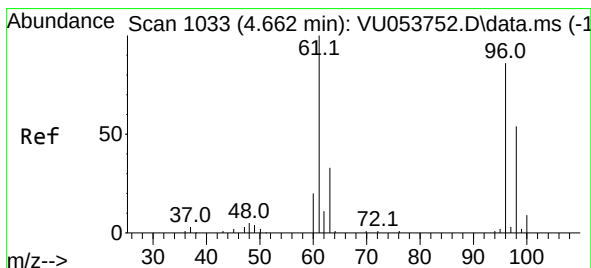
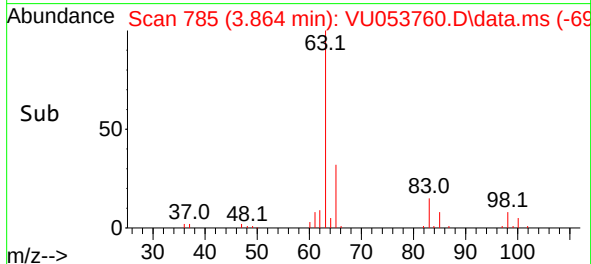
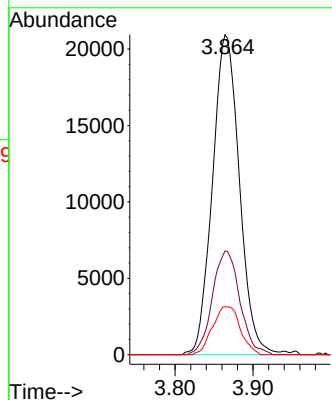
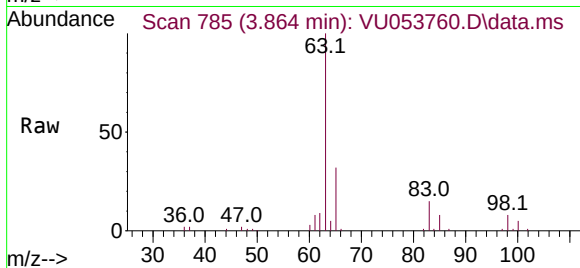
Tgt Ion: 63 Resp: 50221

Ion Ratio Lower Upper

63 100

65 32.4 21.7 40.3

83 15.0 8.1 15.1



#22

cis-1,2-Dichloroethene

Concen: 0.620 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053760.D

Acq: 18 Apr 2023 15:25

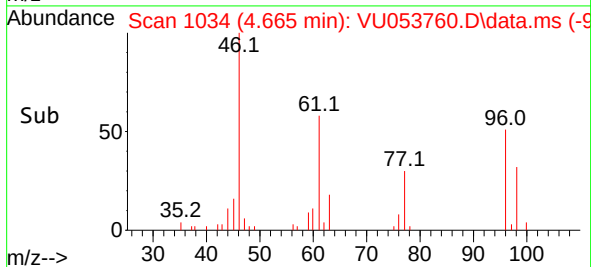
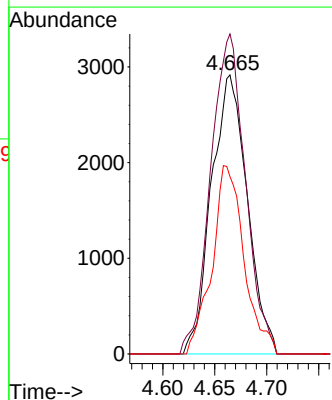
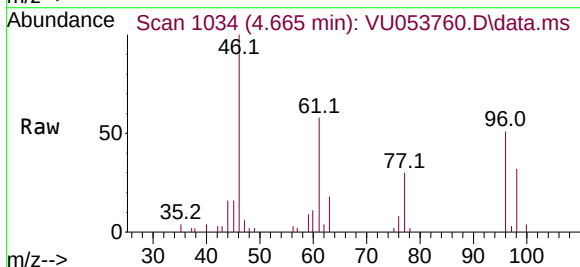
Tgt Ion: 96 Resp: 6992

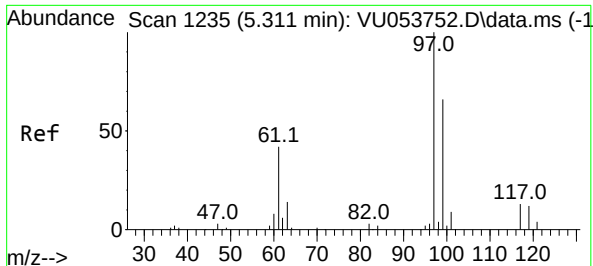
Ion Ratio Lower Upper

96 100

61 114.7 86.6 160.8

98 63.6 47.7 88.5





#29

1,1,1-Trichloroethane

Concen: 0.150 ug/L

RT: 5.314 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053760.D

Acq: 18 Apr 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

BHE21

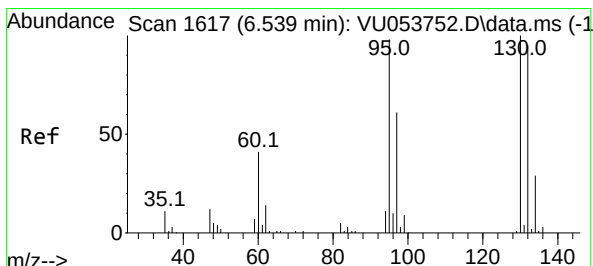
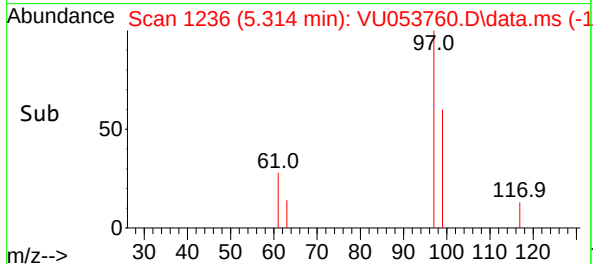
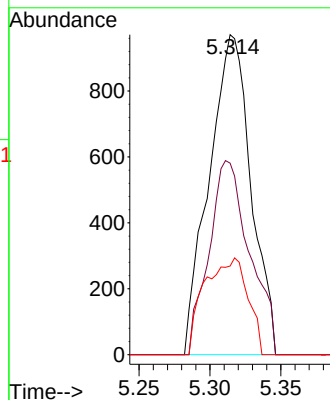
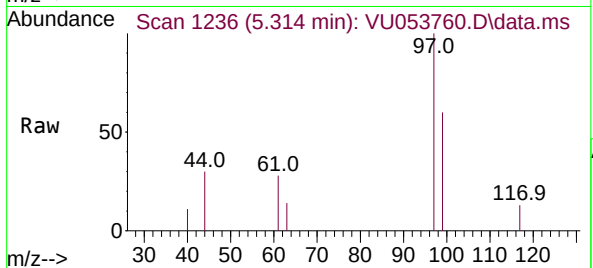
Tgt Ion: 97 Resp: 1995

Ion Ratio Lower Upper

97 100

99 59.0 49.9 74.9

61 31.2 35.7 53.5#



#34

Trichloroethene

Concen: 12.094 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VU053760.D

Acq: 18 Apr 2023 15:25

Tgt Ion: 95 Resp: 116615

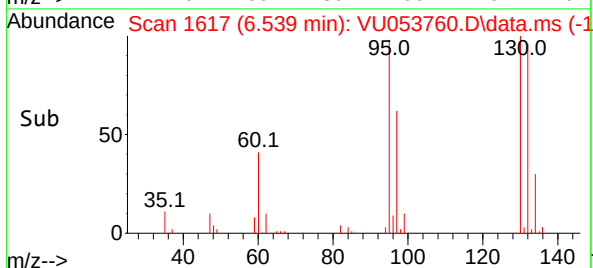
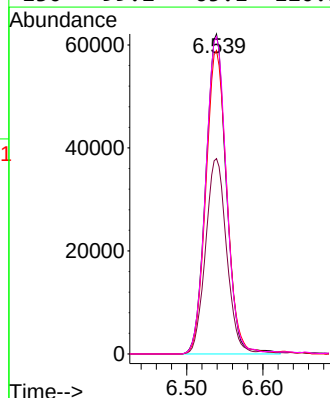
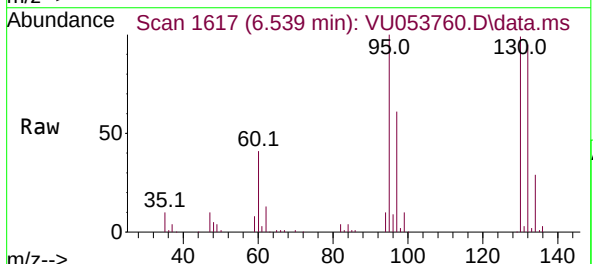
Ion Ratio Lower Upper

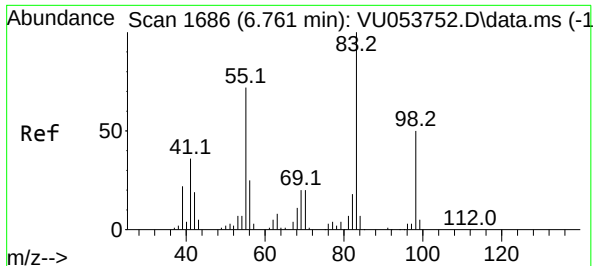
95 100

97 61.0 45.3 84.1

132 94.8 62.8 116.6

130 99.2 65.1 120.9

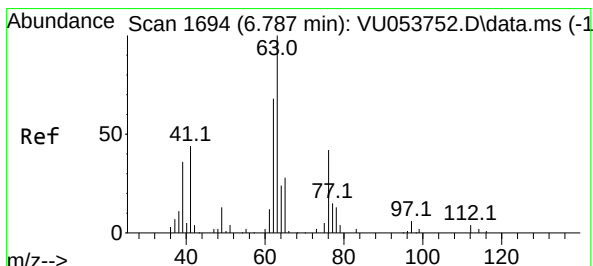
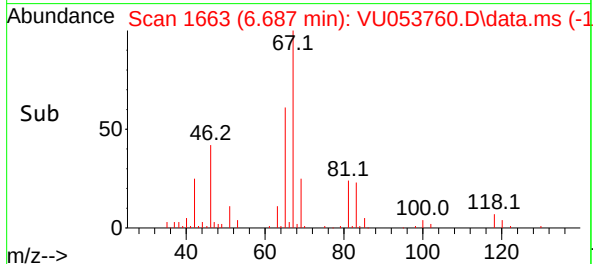
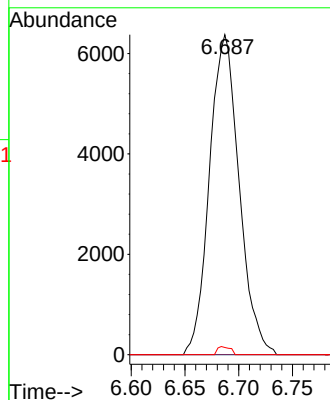
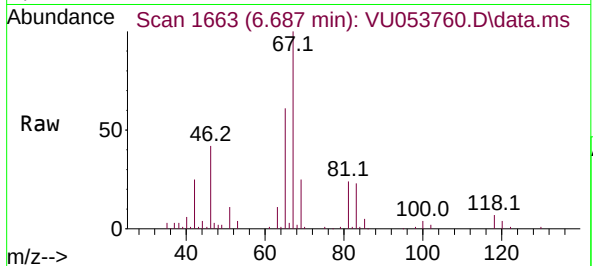




#35
Methylcyclohexane
Concen: 0.739 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053760.D
Acq: 18 Apr 2023 15:25

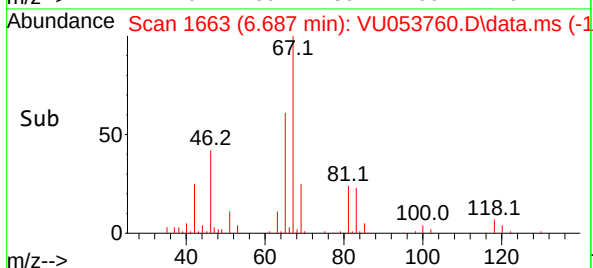
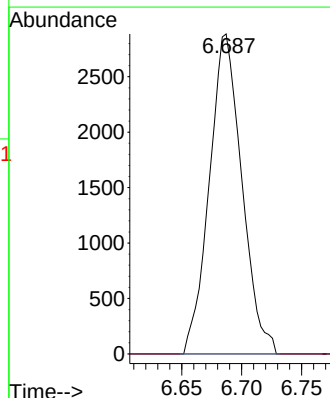
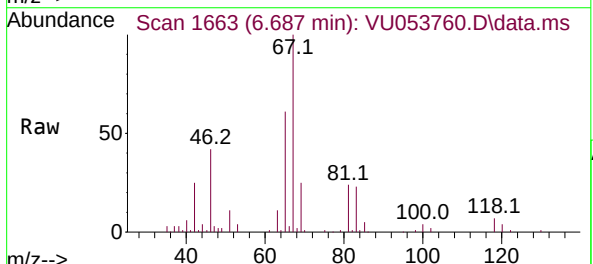
Instrument :
MSVOA_U
ClientSampleId :
BHE21

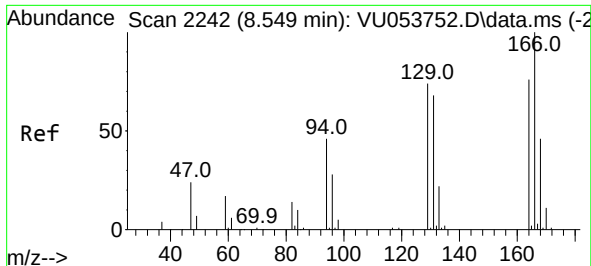
Tgt Ion: 83 Resp: 12235
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 1.1 34.9 52.3#



#37
1,2-Dichloropropane
Concen: 0.569 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU053760.D
Acq: 18 Apr 2023 15:25

Tgt Ion: 63 Resp: 5441
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#47

Tetrachloroethene

Concen: 1.421 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053760.D

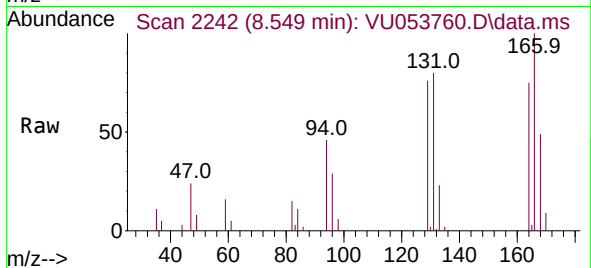
Acq: 18 Apr 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

BHE21



Tgt Ion:164 Resp: 10071

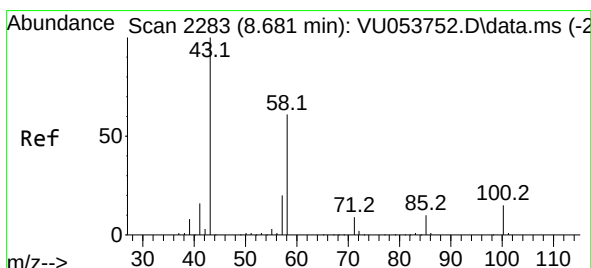
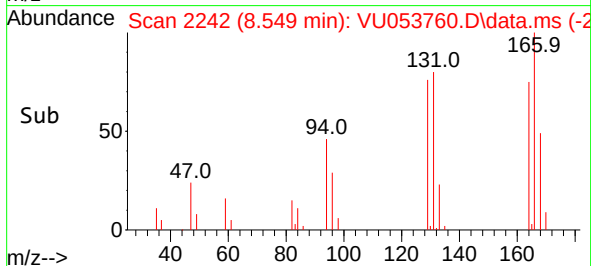
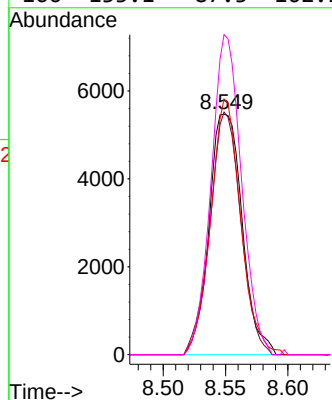
Ion Ratio Lower Upper

164 100

129 100.9 74.8 138.8

131 106.4 70.1 130.1

166 133.1 87.3 162.1



#48

2-Hexanone

Concen: 0.995 ug/L

RT: 8.674 min Scan# 2281

Delta R.T. -0.007 min

Lab File: VU053760.D

Acq: 18 Apr 2023 15:25

Tgt Ion: 43 Resp: 3442

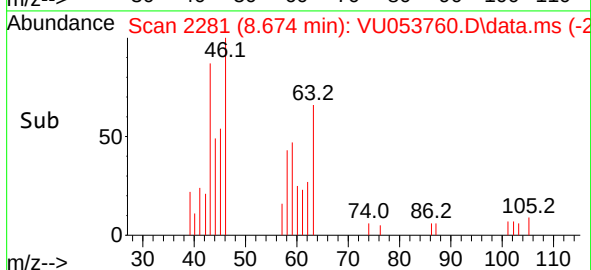
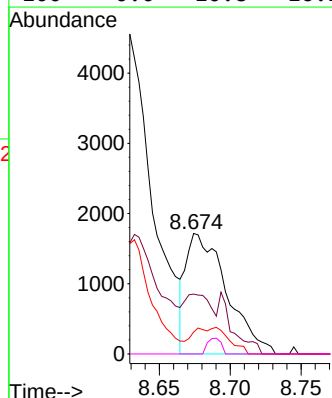
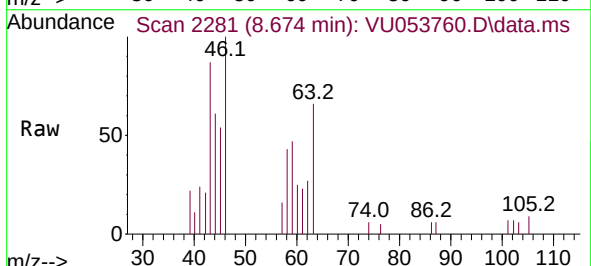
Ion Ratio Lower Upper

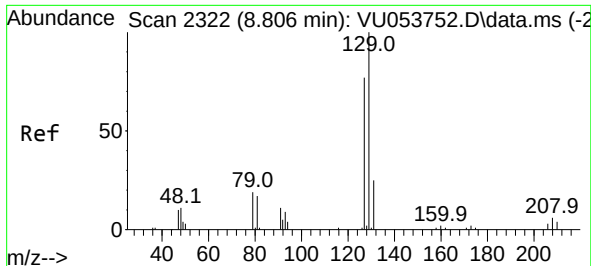
43 100

58 34.0 52.8 79.2#

57 3.8 17.1 25.7#

100 0.0 10.8 16.2#





#49

Dibromochloromethane

Concen: 1.424 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053760.D

Acq: 18 Apr 2023 15:25

Instrument :

MSVOA_U

ClientSampleId :

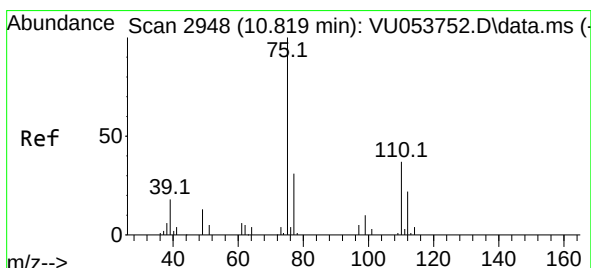
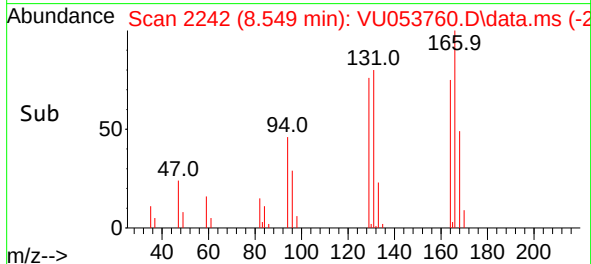
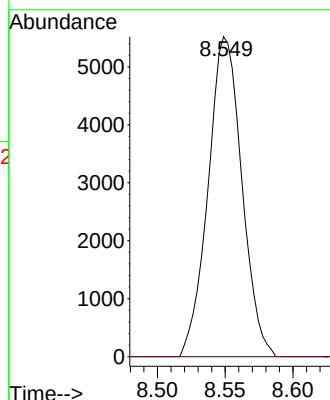
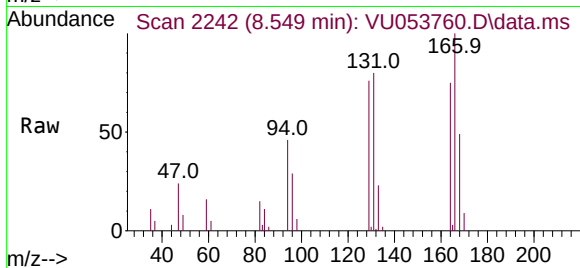
BHE21

Tgt Ion:129 Resp: 9559

Ion Ratio Lower Upper

129 100

127 0.0 52.2 97.0#



#61

1,2,3-Trichloropropane

Concen: 1.299 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU053760.D

Acq: 18 Apr 2023 15:25

Tgt Ion: 75 Resp: 7100

Ion Ratio Lower Upper

75 100

110 1.9 30.6 46.0#

77 35.2 26.1 39.1

