

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053723.D
 Acq On : 14 Apr 2023 19:05
 Operator : JC/MD
 Sample : 02340-04DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE05DL

Quant Time: Apr 15 05:35:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 05:28:57 2023
 Response via : Initial Calibration

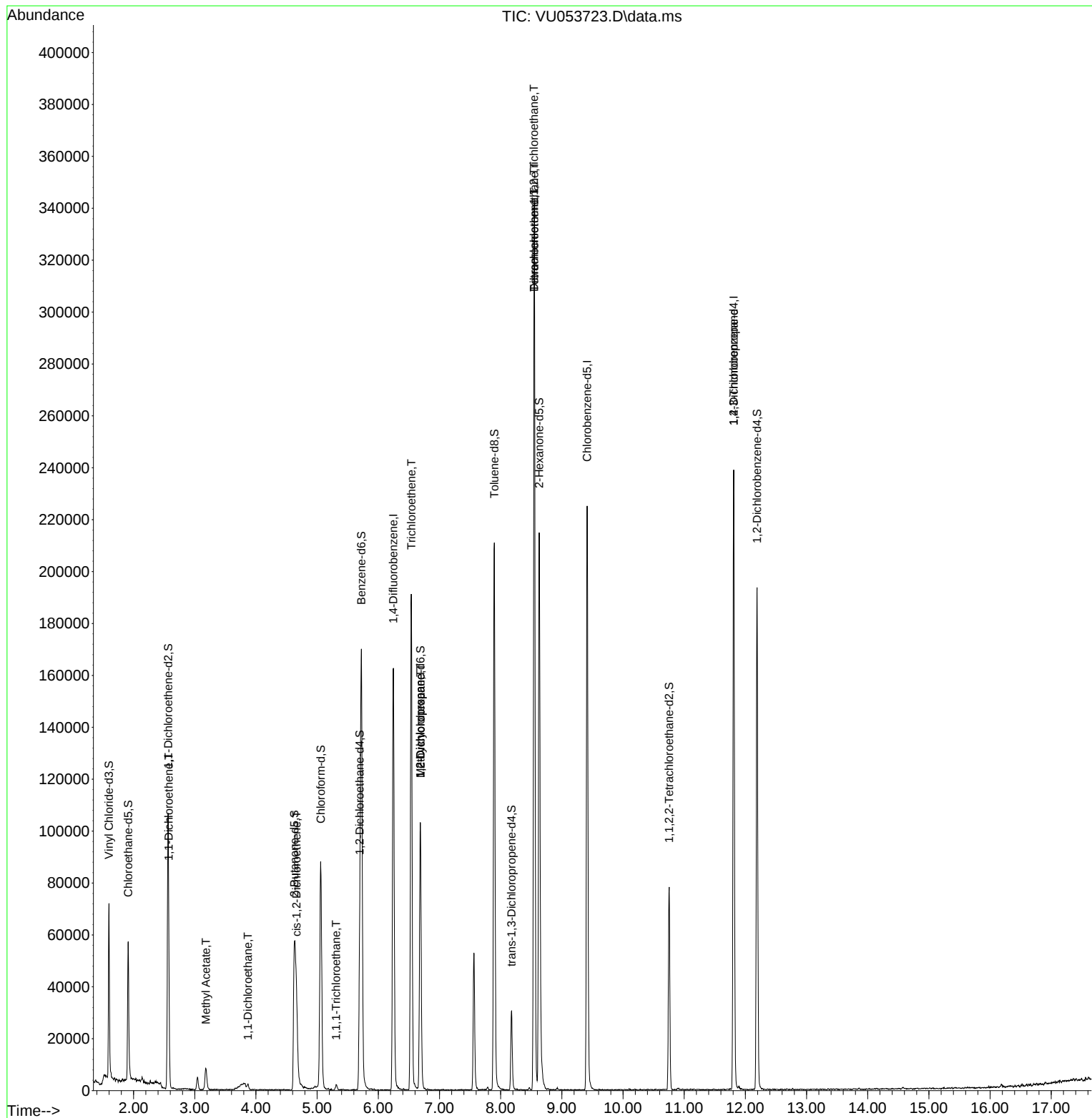
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	140755	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	132414	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	65508	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	50380	5.203	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	104.000%	
7) Chloroethane-d5	1.912	69	41483	4.720	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.400%	
11) 1,1-Dichloroethene-d2	2.565	65	18963	4.597	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	92.000%	
20) 2-Butanone-d5	4.629	46	87722	39.545	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	79.100%	
24) Chloroform-d	5.060	84	81630	4.547	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.000%	
26) 1,2-Dichloroethane-d4	5.697	65	40139	4.363	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	87.200%	
32) Benzene-d6	5.722	84	164335	4.379	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.600%	
36) 1,2-Dichloropropane-d6	6.687	67	50894	4.451	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.000%	
41) Toluene-d8	7.896	98	151005	4.265	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	85.400%	
43) trans-1,3-Dichloroprop...	8.179	79	18534	4.224	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.400%	
46) 2-Hexanone-d5	8.629	63	78878	44.255	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	88.520%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	38040	3.997	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	80.000%	
66) 1,2-Dichlorobenzene-d4	12.192	152	52482	4.453	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.000%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.575	96	3562	0.447	ug/L #	1
15) Methyl Acetate	3.182	43	511	0.165	ug/L #	49
19) 1,1-Dichloroethane	3.867	63	2723	0.179	ug/L #	94
22) cis-1,2-Dichloroethene	4.661	96	12759	1.144	ug/L	96
29) 1,1,1-Trichloroethane	5.311	97	1660	0.127	ug/L #	88
34) Trichloroethene	6.539	95	65888	6.974	ug/L	98
35) Methylcyclohexane	6.687	83	12264	0.756	ug/L #	22
37) 1,2-Dichloropropane	6.687	63	5429	0.580	ug/L #	89
45) 1,1,2-Trichloroethane	8.546	97	684	0.103	ug/L #	6
47) Tetrachloroethene	8.549	164	73447	10.580	ug/L	94
49) Dibromochloromethane	8.549	129	73059	11.107	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	8362	1.541	ug/L #	66

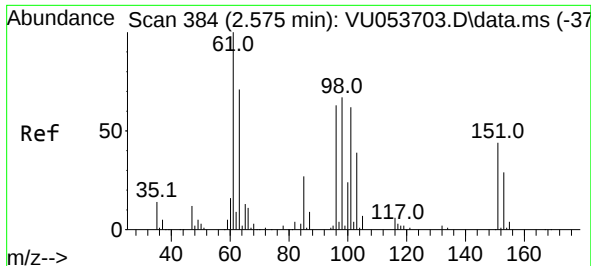
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.447 ug/L

RT: 2.575 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

BHE05DL

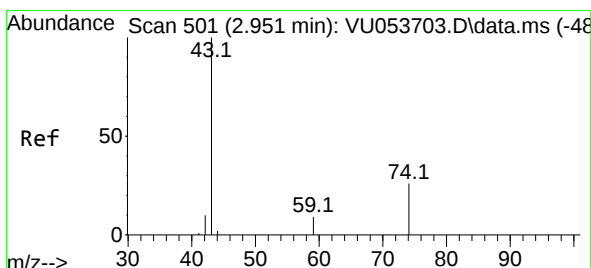
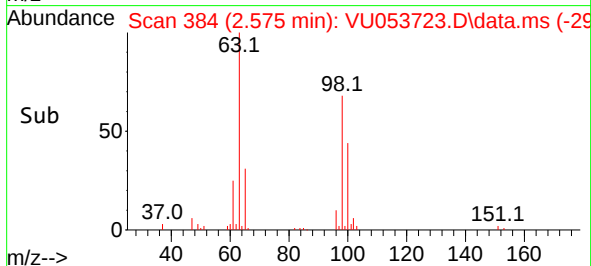
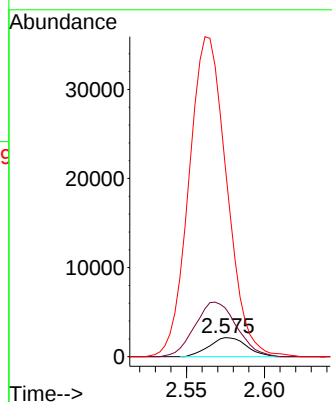
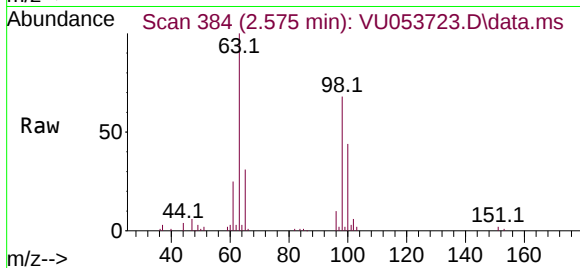
Tgt Ion: 96 Resp: 3562

Ion Ratio Lower Upper

96 100

61 257.4 116.8 216.8#

63 1015.2 88.6 164.6#



#15

Methyl Acetate

Concen: 0.165 ug/L

RT: 3.182 min Scan# 573

Delta R.T. 0.231 min

Lab File: VU053723.D

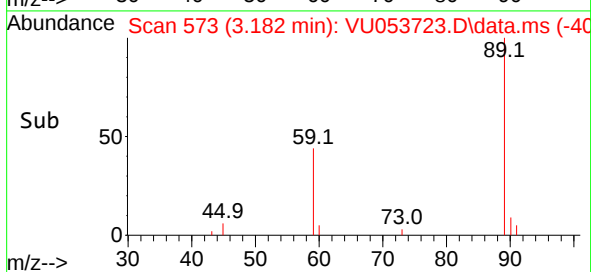
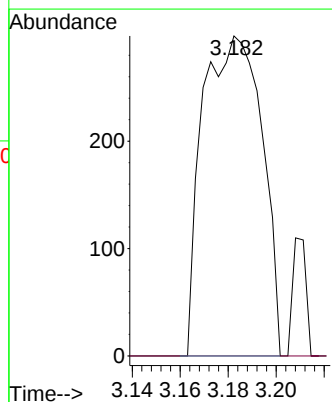
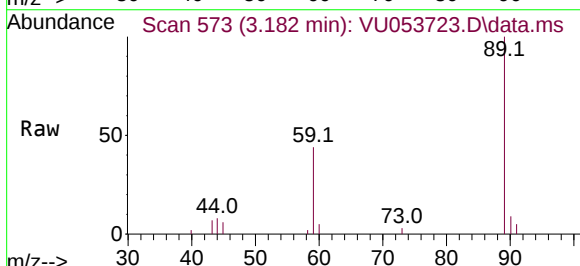
Acq: 14 Apr 2023 19:05

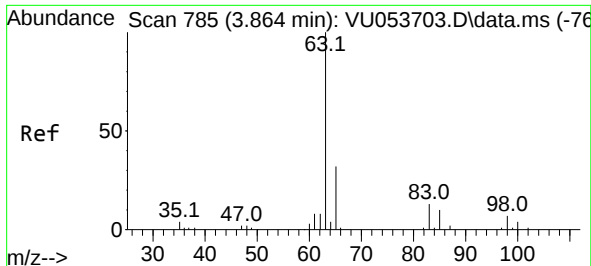
Tgt Ion: 43 Resp: 511

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#





#19

1,1-Dichloroethane

Concen: 0.179 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

BHE05DL

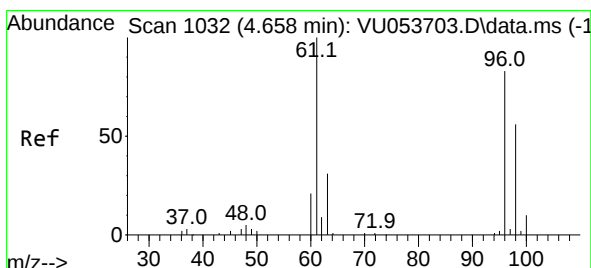
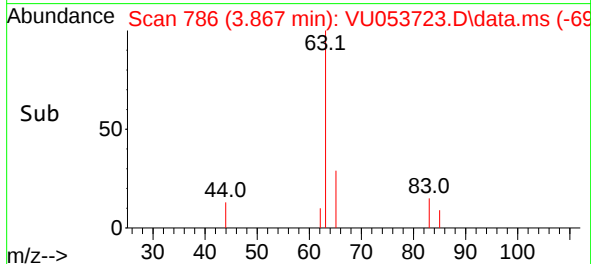
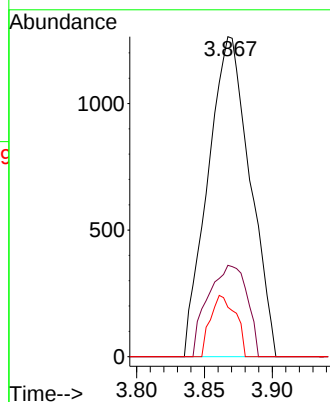
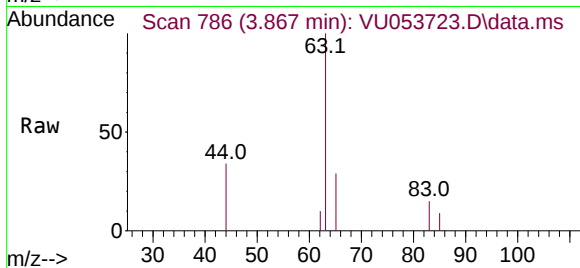
Tgt Ion: 63 Resp: 2723

Ion Ratio Lower Upper

63 100

65 28.6 21.7 40.3

83 15.4 8.1 15.1#



#22

cis-1,2-Dichloroethene

Concen: 1.144 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

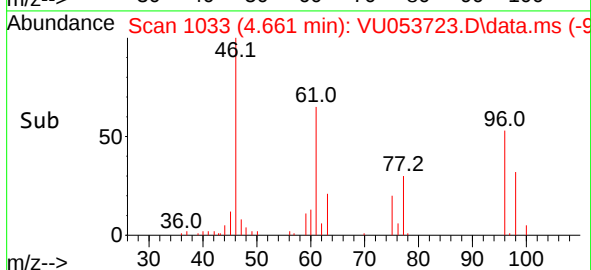
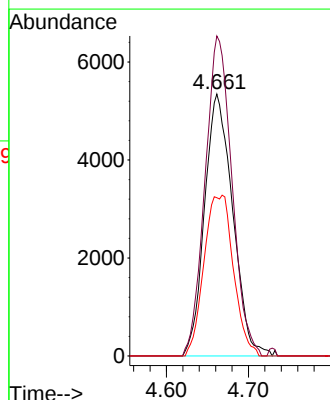
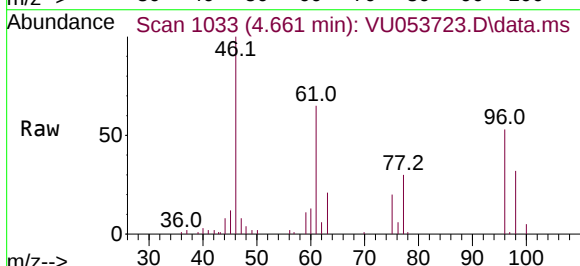
Tgt Ion: 96 Resp: 12759

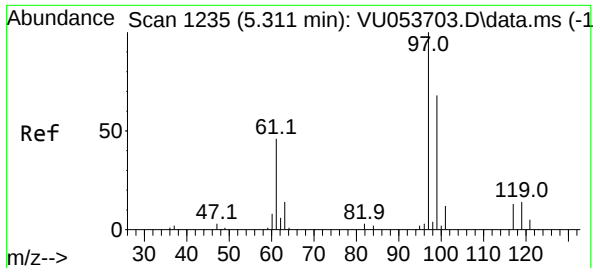
Ion Ratio Lower Upper

96 100

61 122.1 86.6 160.8

98 60.4 47.7 88.5





#29

1,1,1-Trichloroethane

Concen: 0.127 ug/L

RT: 5.311 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

BHE05DL

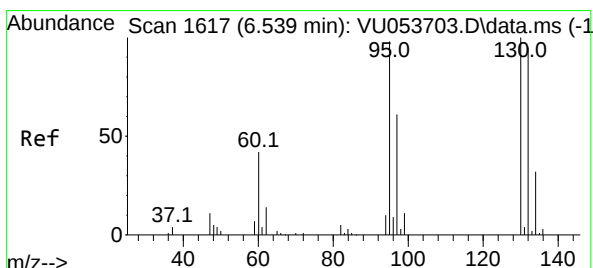
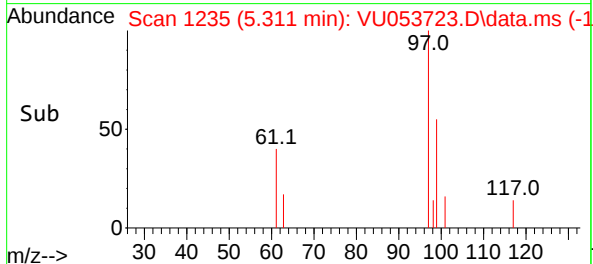
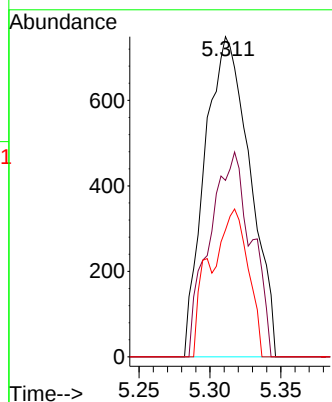
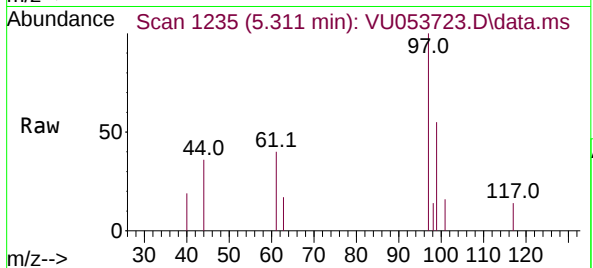
Tgt Ion: 97 Resp: 1660

Ion Ratio Lower Upper

97 100

99 59.6 49.9 74.9

61 29.2 35.7 53.5#



#34

Trichloroethene

Concen: 6.974 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

Tgt Ion: 95 Resp: 65888

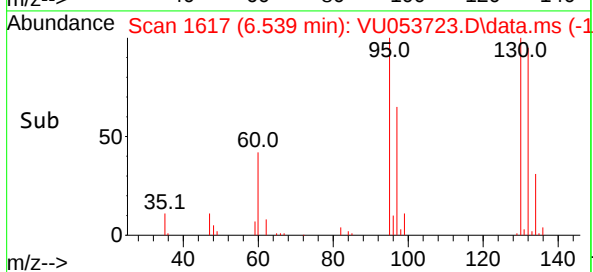
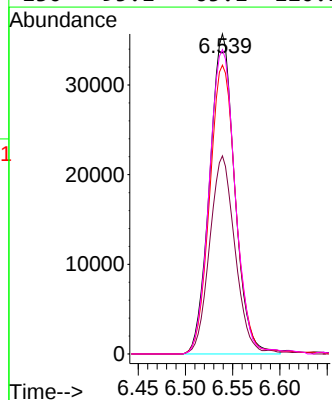
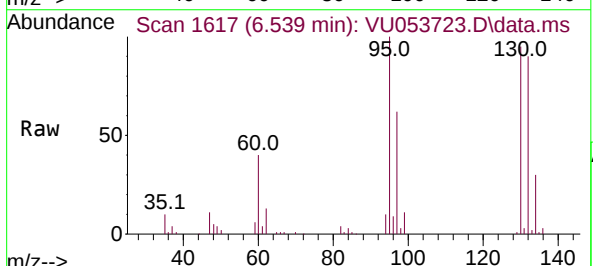
Ion Ratio Lower Upper

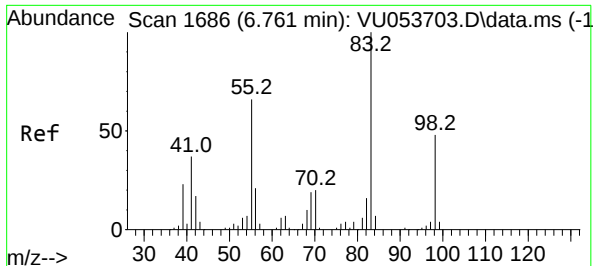
95 100

97 61.9 45.3 84.1

132 90.3 62.8 116.6

130 95.1 65.1 120.9

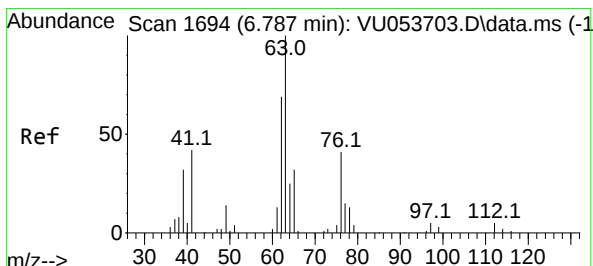
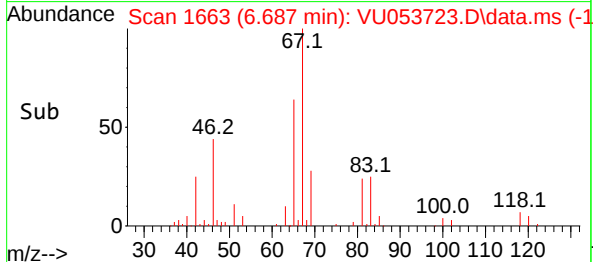
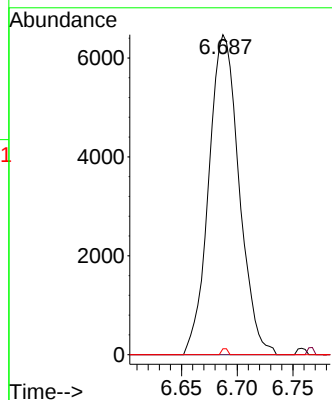
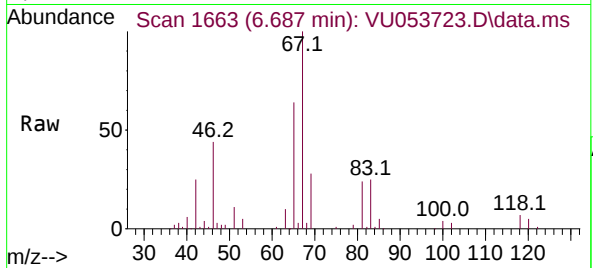




#35
Methylcyclohexane
Concen: 0.756 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053723.D
Acq: 14 Apr 2023 19:05

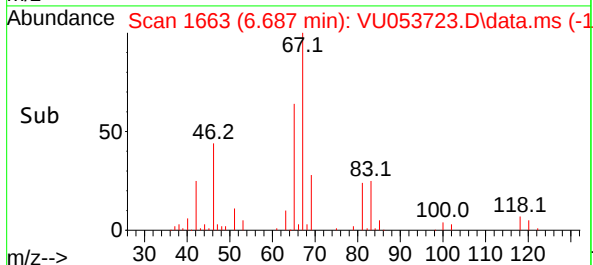
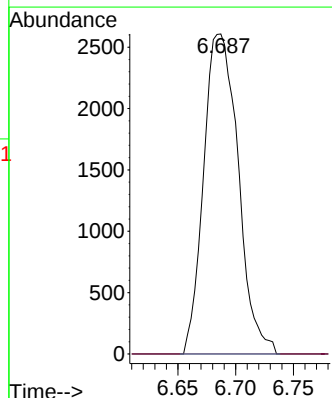
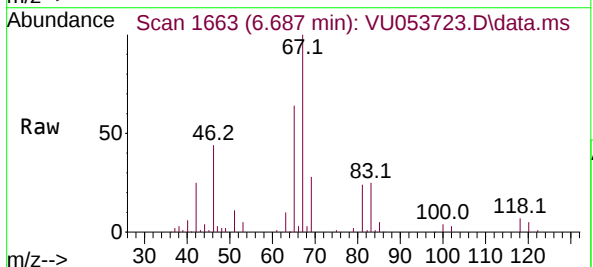
Instrument :
MSVOA_U
ClientSampleId :
BHE05DL

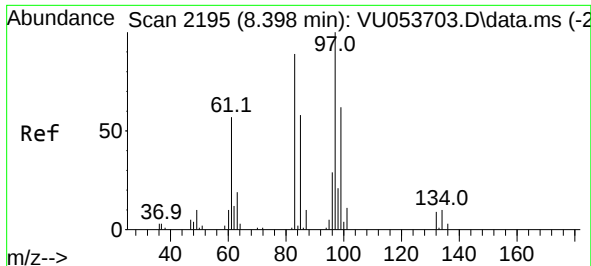
Tgt Ion: 83 Resp: 12264
Ion Ratio Lower Upper
83 100
55 0.4 54.9 82.3#
98 0.0 34.9 52.3#



#37
1,2-Dichloropropane
Concen: 0.580 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.100 min
Lab File: VU053723.D
Acq: 14 Apr 2023 19:05

Tgt Ion: 63 Resp: 5429
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





#45

1,1,2-Trichloroethane

Concen: 0.103 ug/L

RT: 8.546 min Scan# 2195

Delta R.T. 0.148 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

BHE05DL

Tgt Ion: 97 Resp: 684

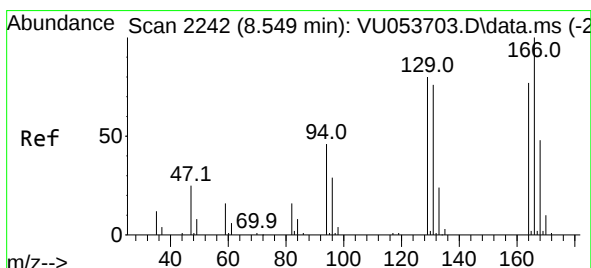
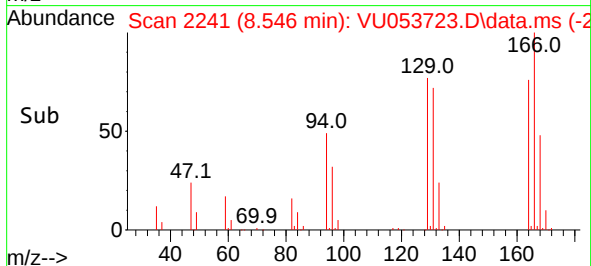
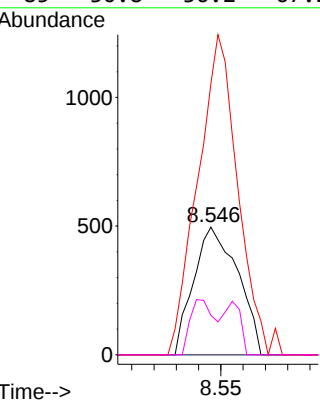
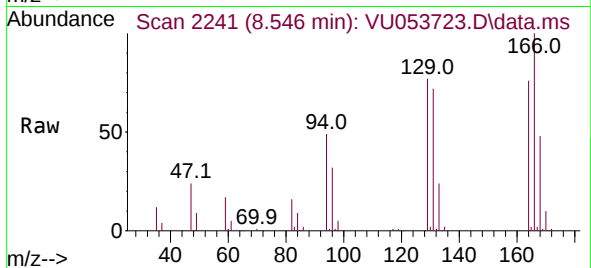
Ion Ratio Lower Upper

97 100

99 0.0 38.9 72.2#

83 212.7 57.6 107.0#

85 30.8 36.2 67.2#



#47

Tetrachloroethene

Concen: 10.580 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

Tgt Ion:164 Resp: 73447

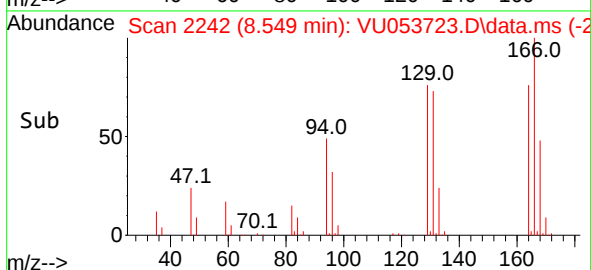
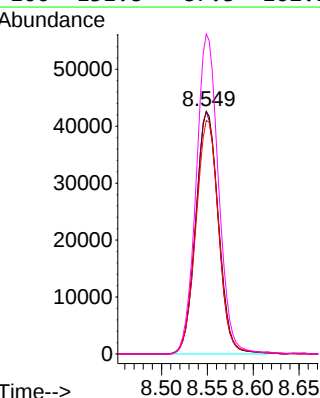
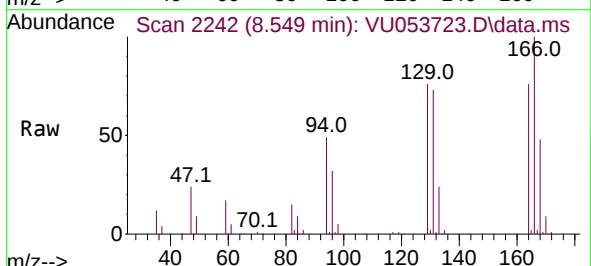
Ion Ratio Lower Upper

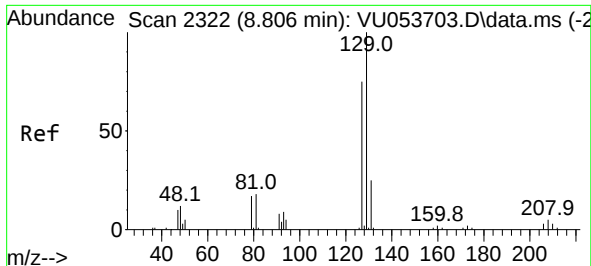
164 100

129 99.7 74.8 138.8

131 96.2 70.1 130.1

166 131.8 87.3 162.1





#49

Dibromochloromethane

Concen: 11.107 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053723.D

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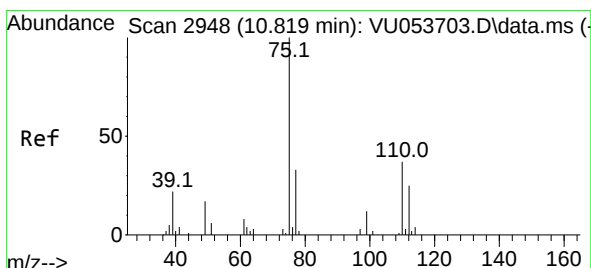
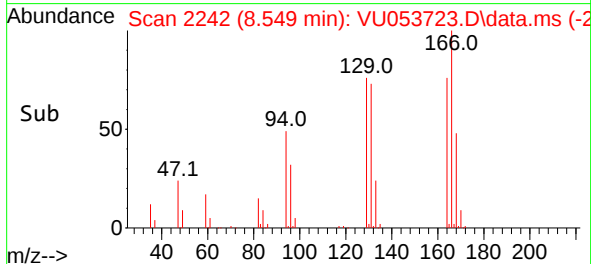
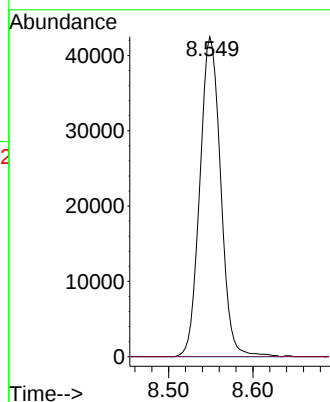
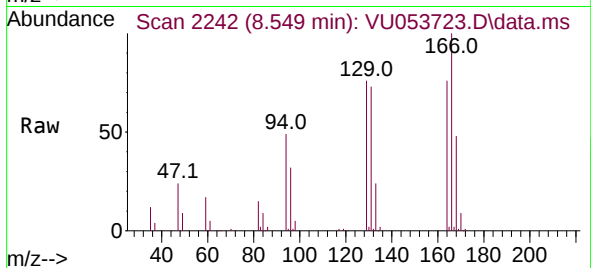
BHE05DL

Tgt Ion:129 Resp: 73059

Ion Ratio Lower Upper

129 100

127 0.0 52.2 97.0#



#61

1,2,3-Trichloropropane

Concen: 1.541 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU053723.D

Acq: 14 Apr 2023 19:05

Tgt Ion: 75 Resp: 8362

Ion Ratio Lower Upper

75 100

110 1.0 30.6 46.0#

77 31.3 26.1 39.1

