

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053770.D
 Acq On : 18 Apr 2023 19:29
 Operator : JC/MD
 Sample : 02340-13DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE13DL

Quant Time: Apr 19 05:03:58 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)

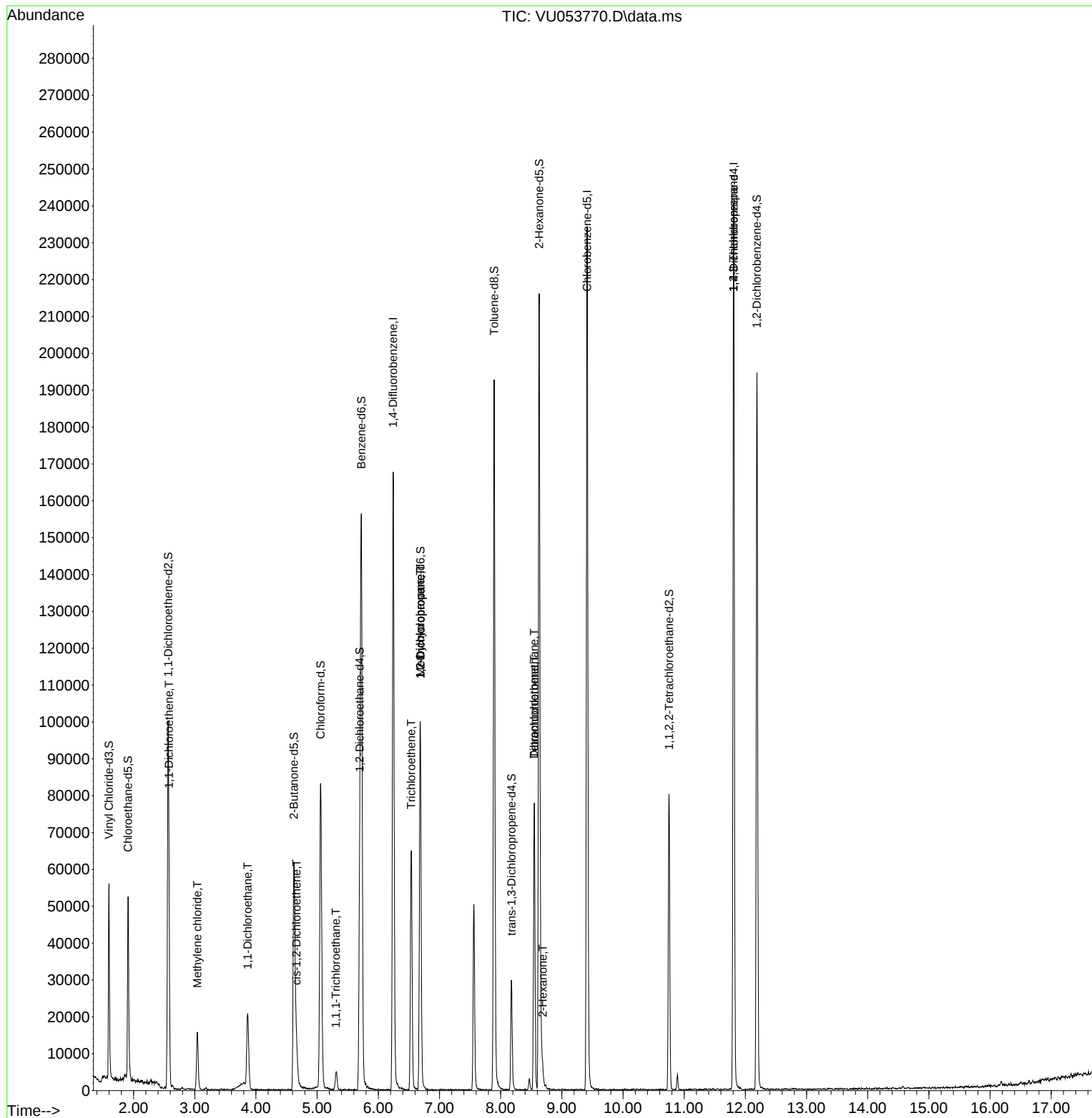
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	143512	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	138229	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	66134	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39810	4.032	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.909	69	38123	4.255	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.565	65	15304	3.639	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.800%
20) 2-Butanone-d5	4.620	46	91428	40.424	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.840%
24) Chloroform-d	5.057	84	77772	4.249	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.697	65	41007	4.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
32) Benzene-d6	5.723	84	153875	3.928	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.687	67	50738	4.251	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.893	98	136884	3.704	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
43) trans-1,3-Dichloroprop...	8.176	79	18504	4.040	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.629	63	77946	41.893	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.780%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	40565	4.083	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	54382	4.571	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	12085	1.487	ug/L #	66
16) Methylene chloride	3.041	84	8445	0.791	ug/L	95
19) 1,1-Dichloroethane	3.864	63	25645	1.649	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	3632	0.319	ug/L	91
29) 1,1,1-Trichloroethane	5.308	97	4017	0.294	ug/L	91
34) Trichloroethene	6.536	95	23485	2.381	ug/L	96
35) Methylcyclohexane	6.684	83	11655	0.689	ug/L #	22
37) 1,2-Dichloropropane	6.687	63	5317	0.544	ug/L #	89
47) Tetrachloroethene	8.549	164	17481	2.412	ug/L	92
48) 2-Hexanone	8.687	43	2501	0.707	ug/L #	66
49) Dibromochloromethane	8.549	129	17058	2.484	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	7387	1.348	ug/L #	67

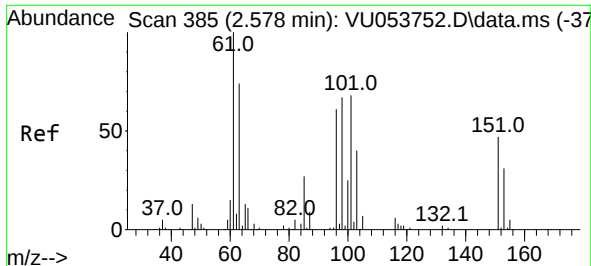
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.487 ug/L

RT: 2.578 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

BHE13DL

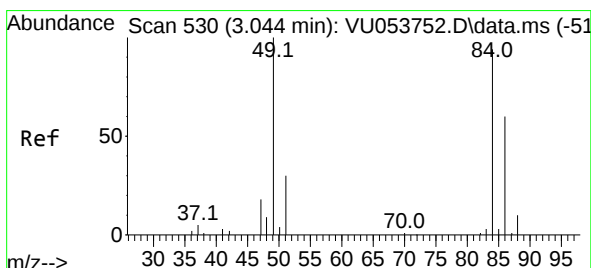
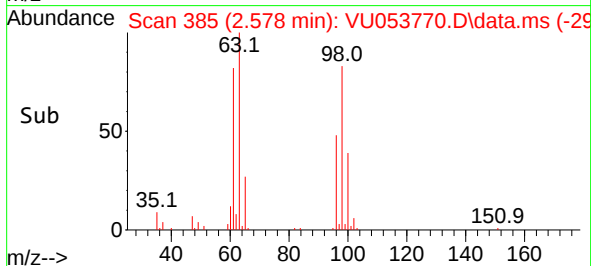
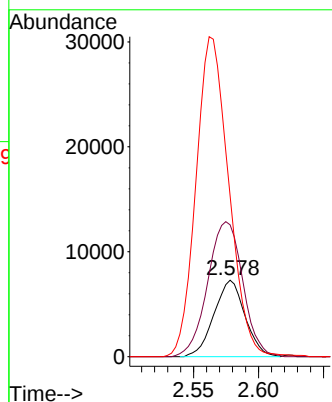
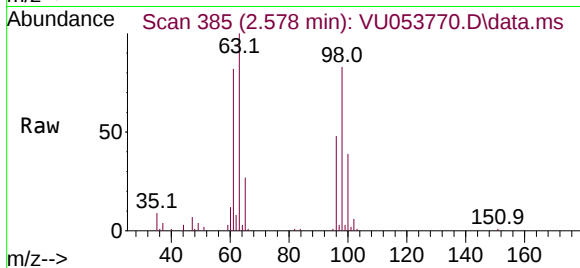
Tgt Ion: 96 Resp: 12085

Ion Ratio Lower Upper

96 100

61 172.3 116.8 216.8

63 210.3 88.6 164.6#



#16

Methylene chloride

Concen: 0.791 ug/L

RT: 3.041 min Scan# 529

Delta R.T. -0.003 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

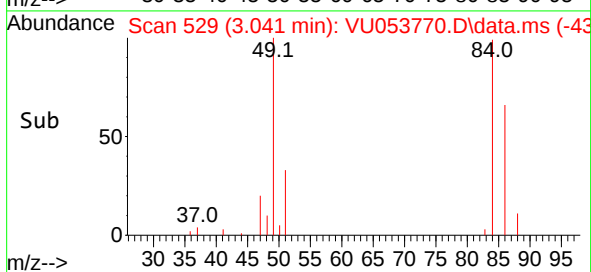
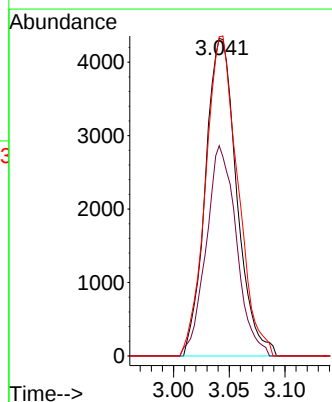
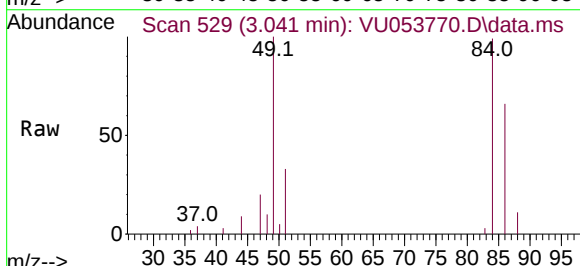
Tgt Ion: 84 Resp: 8445

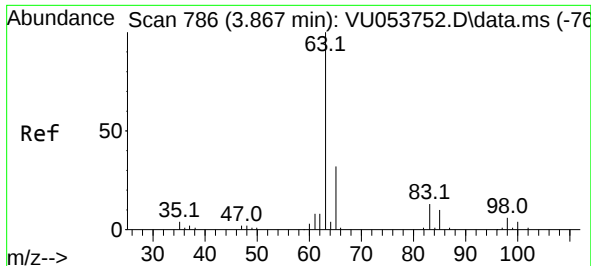
Ion Ratio Lower Upper

84 100

86 66.2 44.7 83.1

49 100.5 75.5 140.1





#19

1,1-Dichloroethane

Concen: 1.649 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

BHE13DL

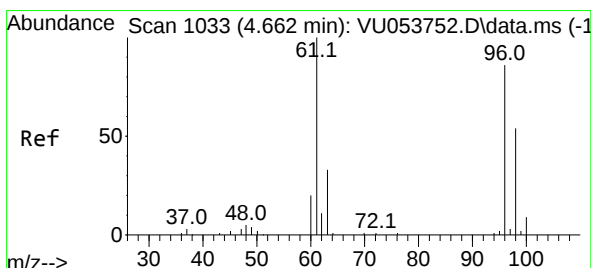
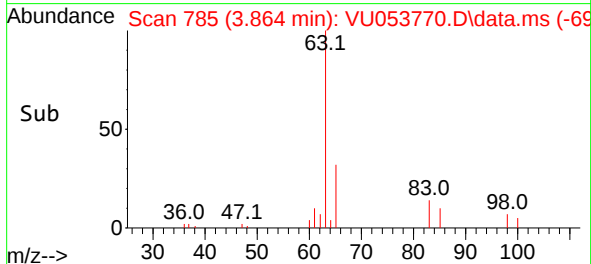
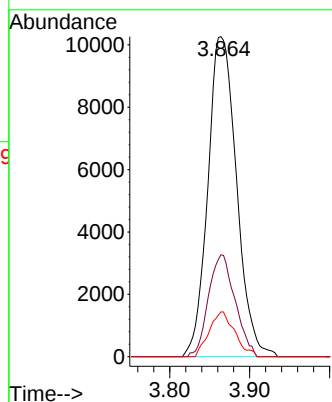
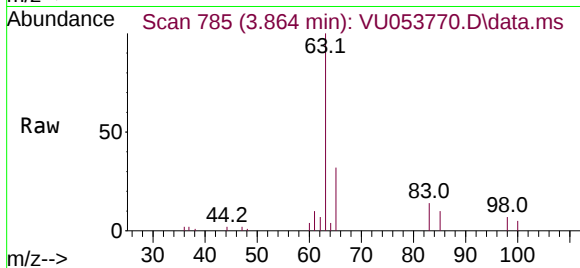
Tgt Ion: 63 Resp: 25645

Ion Ratio Lower Upper

63 100

65 31.8 21.7 40.3

83 14.0 8.1 15.1



#22

cis-1,2-Dichloroethene

Concen: 0.319 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

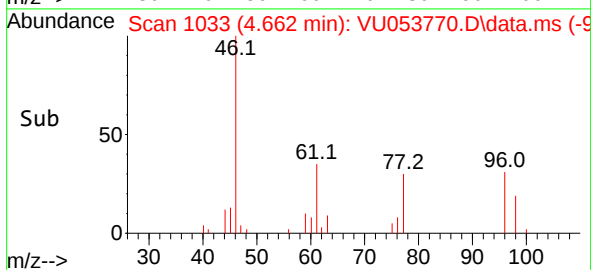
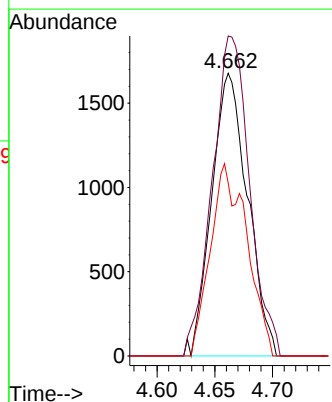
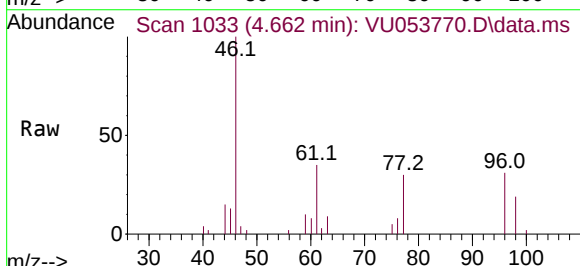
Tgt Ion: 96 Resp: 3632

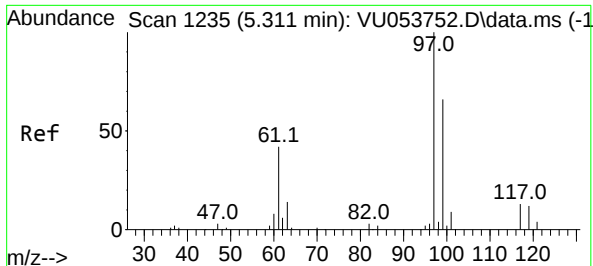
Ion Ratio Lower Upper

96 100

61 113.2 86.6 160.8

98 61.1 47.7 88.5





#29

1,1,1-Trichloroethane

Concen: 0.294 ug/L

RT: 5.308 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

BHE13DL

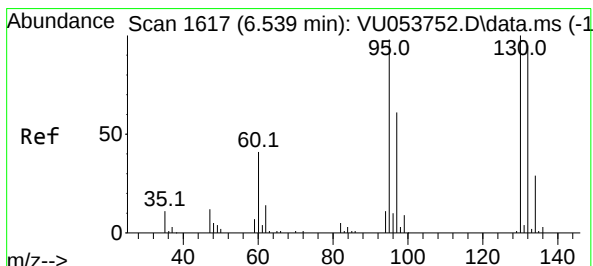
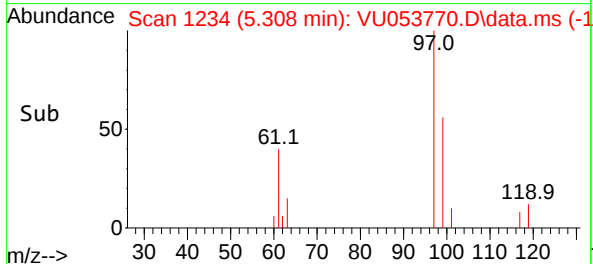
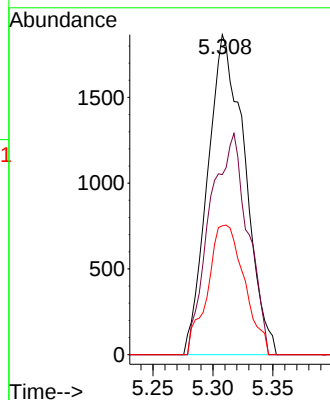
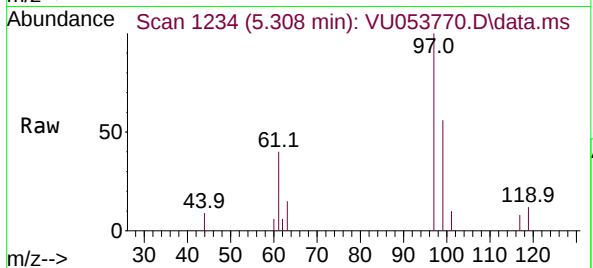
Tgt Ion: 97 Resp: 4017

Ion Ratio Lower Upper

97 100

99 71.0 49.9 74.9

61 40.1 35.7 53.5



#34

Trichloroethene

Concen: 2.381 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Tgt Ion: 95 Resp: 23485

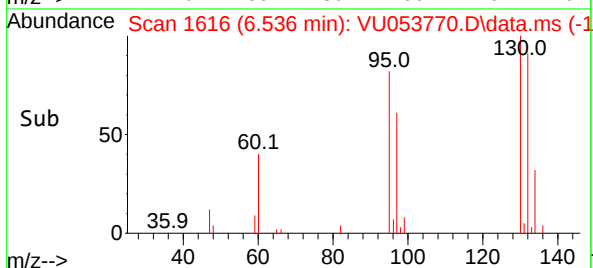
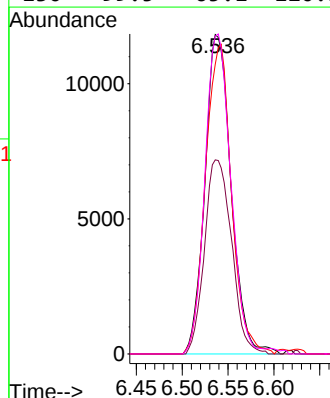
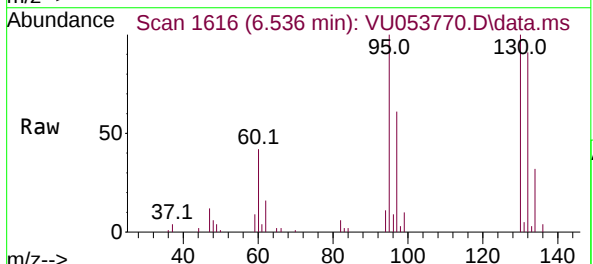
Ion Ratio Lower Upper

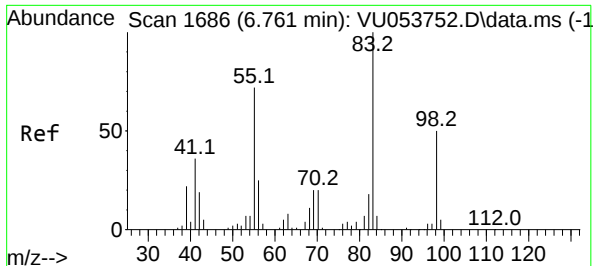
95 100

97 60.8 45.3 84.1

132 90.7 62.8 116.6

130 99.5 65.1 120.9





#35

Methylcyclohexane

Concen: 0.689 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

BHE13DL

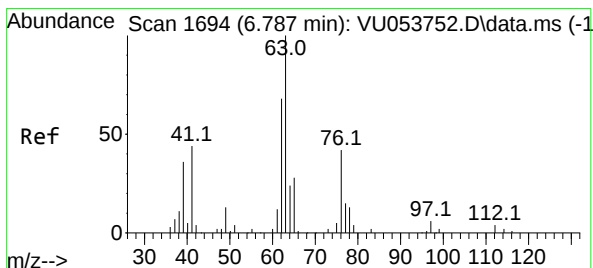
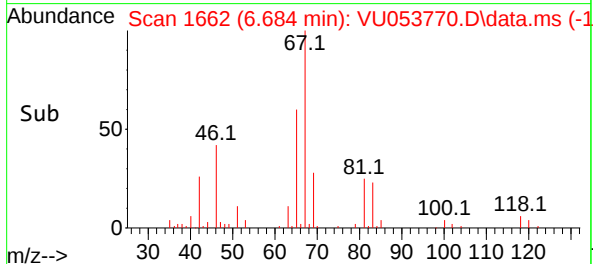
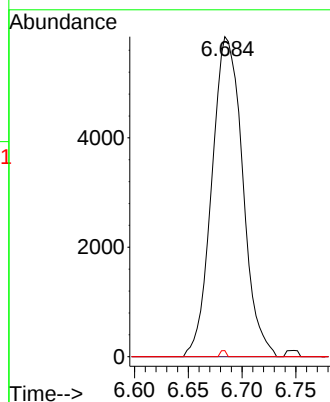
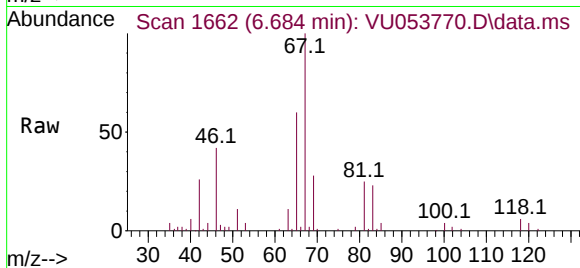
Tgt Ion: 83 Resp: 11655

Ion Ratio Lower Upper

83 100

55 0.0 54.9 82.3#

98 0.4 34.9 52.3#



#37

1,2-Dichloropropane

Concen: 0.544 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.100 min

Lab File: VU053770.D

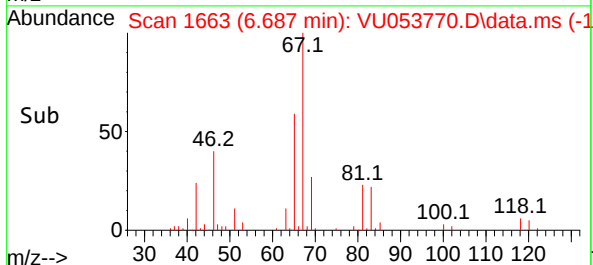
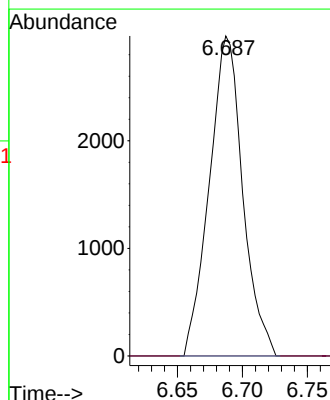
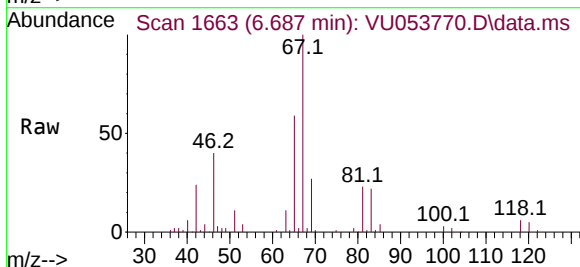
Acq: 18 Apr 2023 19:29

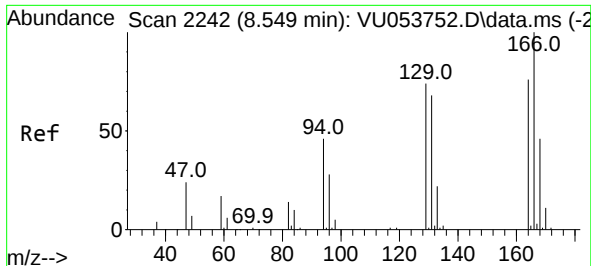
Tgt Ion: 63 Resp: 5317

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#47

Tetrachloroethene

Concen: 2.412 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

BHE13DL

Tgt Ion:164 Resp: 17481

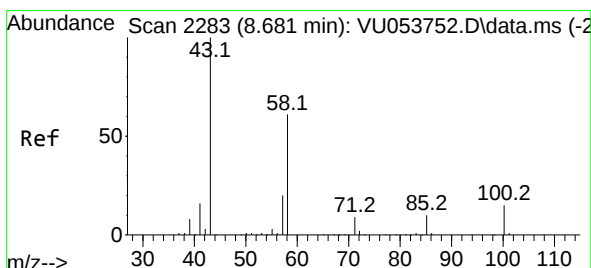
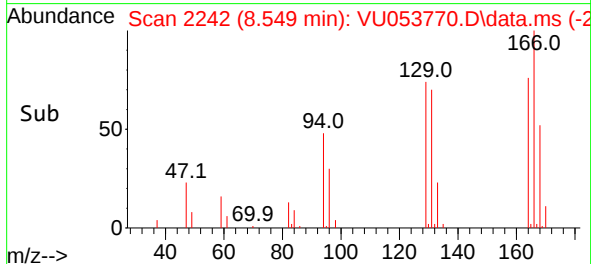
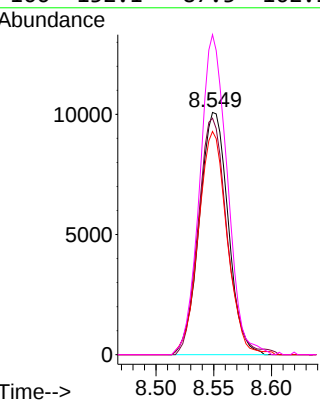
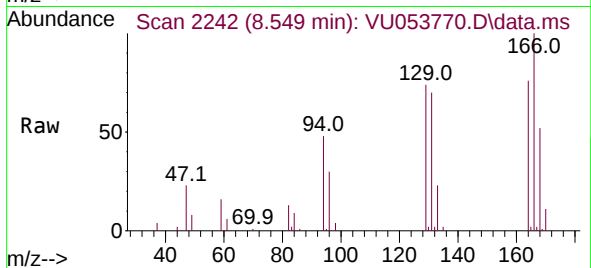
Ion Ratio Lower Upper

164 100

129 97.6 74.8 138.8

131 92.1 70.1 130.1

166 132.1 87.3 162.1



#48

2-Hexanone

Concen: 0.707 ug/L

RT: 8.687 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VU053770.D

Acq: 18 Apr 2023 19:29

Tgt Ion: 43 Resp: 2501

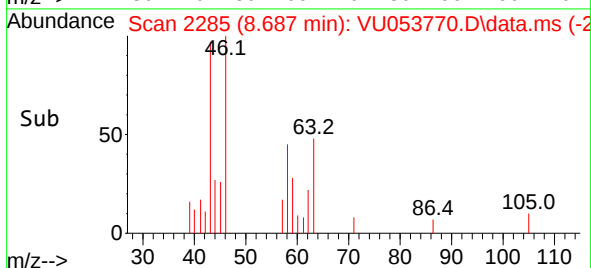
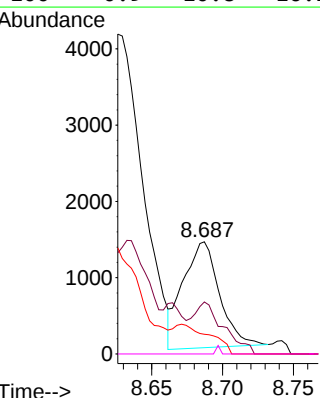
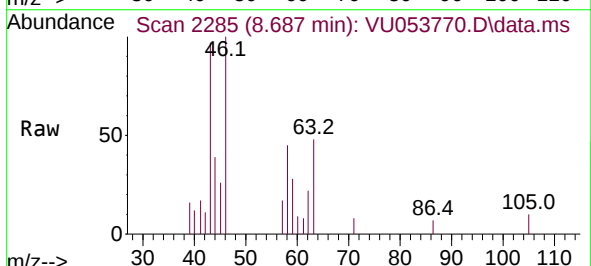
Ion Ratio Lower Upper

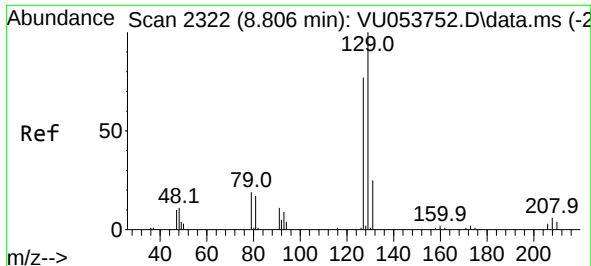
43 100

58 40.9 52.8 79.2#

57 0.0 17.1 25.7#

100 0.9 10.8 16.2#

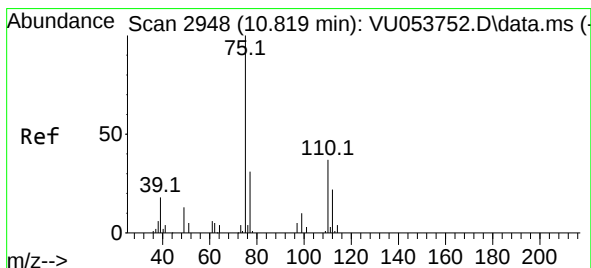
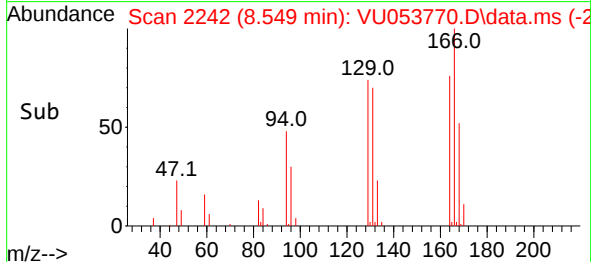
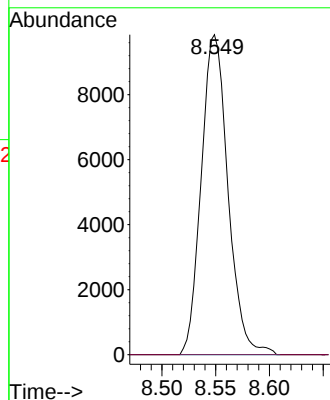
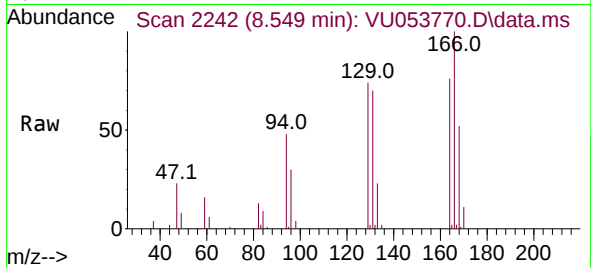




#49
Dibromochloromethane
Concen: 2.484 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU053770.D
Acq: 18 Apr 2023 19:29

Instrument :
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ClientSampleId :
BHE13DL

Tgt Ion:129 Resp: 17058
Ion Ratio Lower Upper
129 100
127 0.0 52.2 97.0#



#61
1,2,3-Trichloropropane
Concen: 1.348 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU053770.D
Acq: 18 Apr 2023 19:29

Tgt Ion: 75 Resp: 7387
Ion Ratio Lower Upper
75 100
110 2.5 30.6 46.0#
77 30.9 26.1 39.1

