

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053951.D
 Acq On : 27 Apr 2023 21:41
 Operator : JC/MD
 Sample : 02488-19 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE74

Quant Time: Apr 28 07:21:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

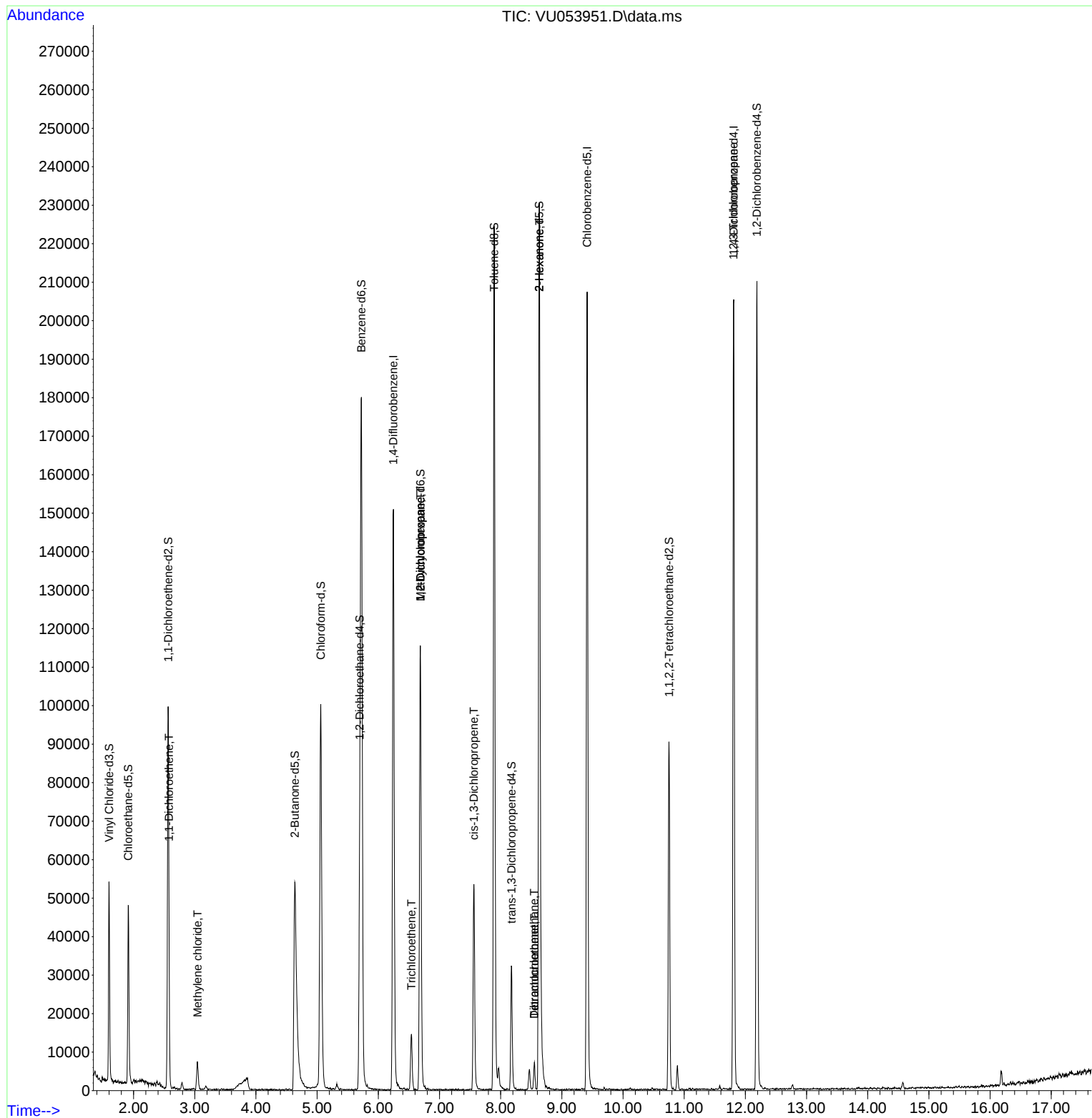
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	133125	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	122418	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	59061	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	38843	4.790	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.800%
7) Chloroethane-d5	1.912	69	35601	5.231	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.565	65	18176	5.447	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.000%
20) 2-Butanone-d5	4.636	46	101551	68.378	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.760%#
24) Chloroform-d	5.060	84	94508	6.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.800%
26) 1,2-Dichloroethane-d4	5.697	65	45801	6.486	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.800%
32) Benzene-d6	5.723	84	183034	6.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.000%#
36) 1,2-Dichloropropane-d6	6.687	67	58834	6.743	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	134.800%
41) Toluene-d8	7.893	98	157018	5.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.600%
43) trans-1,3-Dichloroprop...	8.179	79	19761	5.759	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.200%
46) 2-Hexanone-d5	8.629	63	85086	70.070	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	140.140%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	45574	6.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	129.200%#
66) 1,2-Dichlorobenzene-d4	12.188	152	58191	6.143	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.800%#
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	1911	0.228	ug/L #	1
16) Methylene chloride	3.044	84	4125	0.361	ug/L	96
34) Trichloroethene	6.539	95	5223	0.555	ug/L	94
35) Methylcyclohexane	6.687	83	12867	0.886	ug/L #	22
37) 1,2-Dichloropropane	6.687	63	5890	0.688	ug/L #	87
39) cis-1,3-Dichloropropene	7.562	75	1431	0.111	ug/L #	73
47) Tetrachloroethene	8.552	164	1545	0.207	ug/L	89
48) 2-Hexanone	8.632	43	9233	3.145	ug/L #	68
49) Dibromochloromethane	8.549	129	1262	0.186	ug/L #	10
61) 1,2,3-Trichloropropane	11.806	75	6202	1.362	ug/L #	66

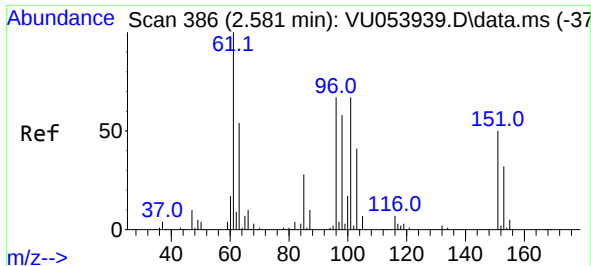
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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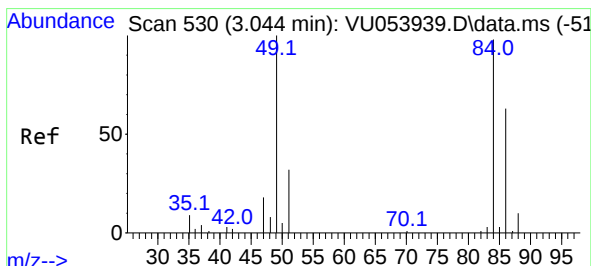
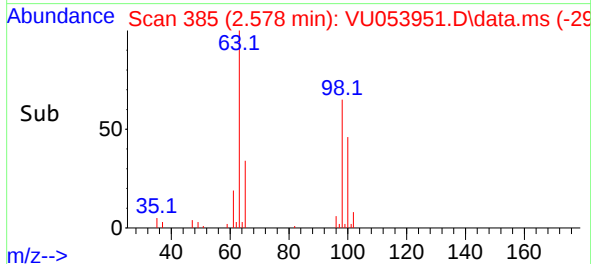
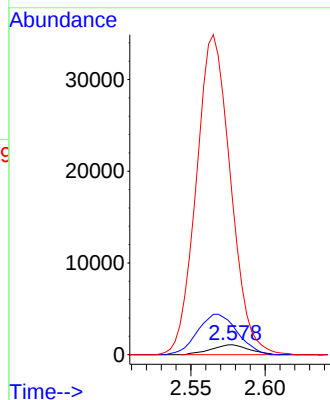
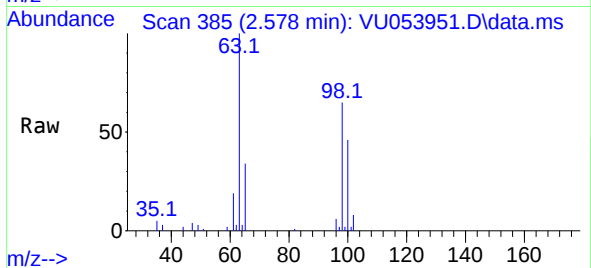




#12
1,1-Dichloroethene
Concen: 0.228 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053951.D
Acq: 27 Apr 2023 21:41

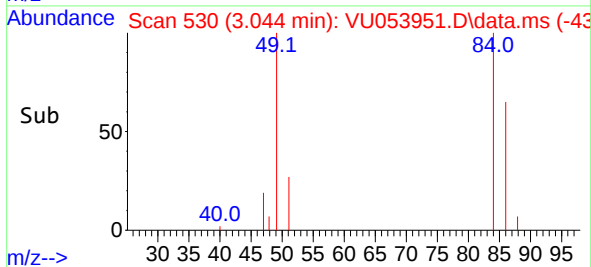
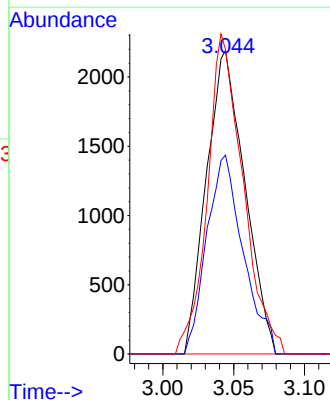
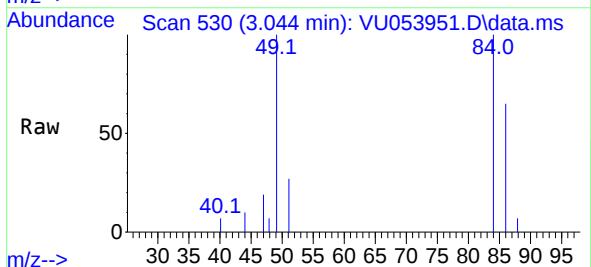
Instrument :
MSVOA_U
ClientSampleId :
BHE74

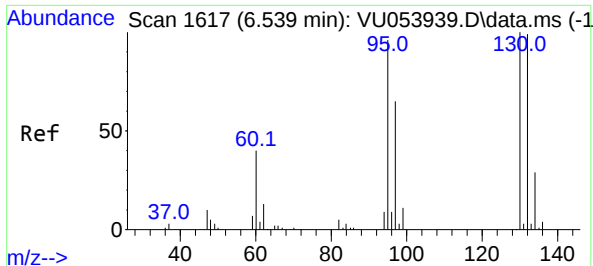
Tgt Ion: 96 Resp: 1911
Ion Ratio Lower Upper
96 100
61 300.8 111.5 207.1#
63 1584.4 68.7 127.7#



#16
Methylene chloride
Concen: 0.361 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053951.D
Acq: 27 Apr 2023 21:41

Tgt Ion: 84 Resp: 4125
Ion Ratio Lower Upper
84 100
86 65.5 45.0 83.6
49 100.4 74.8 138.8





#34

Trichloroethene

Concen: 0.555 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053951.D

Acq: 27 Apr 2023 21:41

Instrument :

MSVOA_U

ClientSampleId :

BHE74

Tgt Ion: 95 Resp: 5223

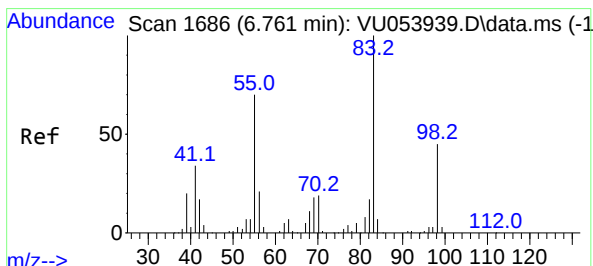
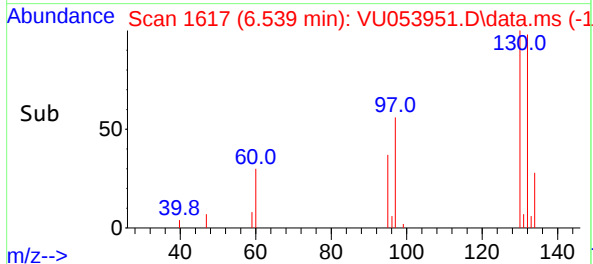
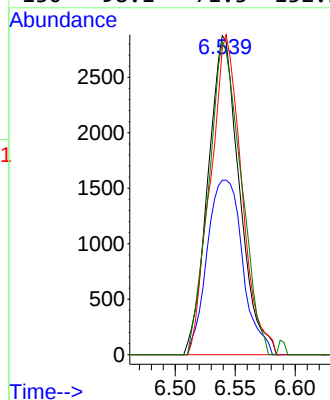
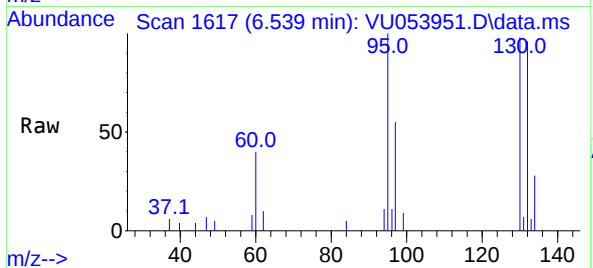
Ion Ratio Lower Upper

95 100

97 54.6 45.1 83.9

132 95.8 69.9 129.9

130 98.1 71.3 132.3



#35

Methylcyclohexane

Concen: 0.886 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.071 min

Lab File: VU053951.D

Acq: 27 Apr 2023 21:41

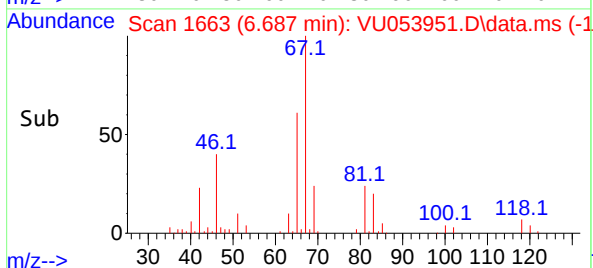
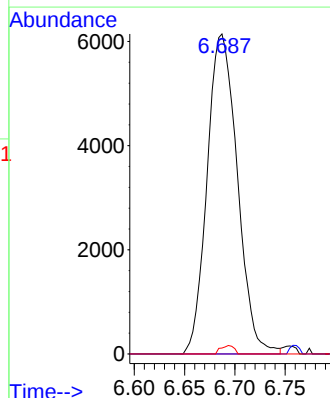
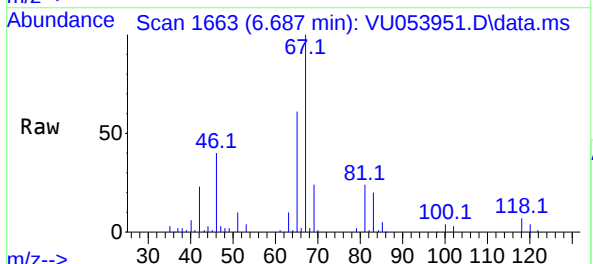
Tgt Ion: 83 Resp: 12867

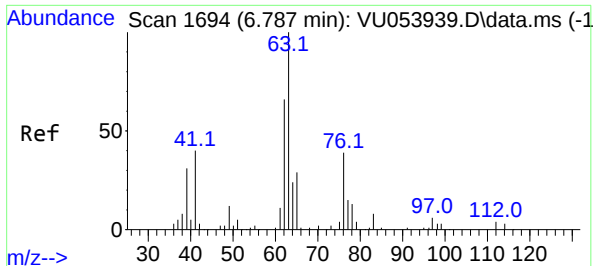
Ion Ratio Lower Upper

83 100

55 0.8 55.4 83.2#

98 1.2 37.3 55.9#

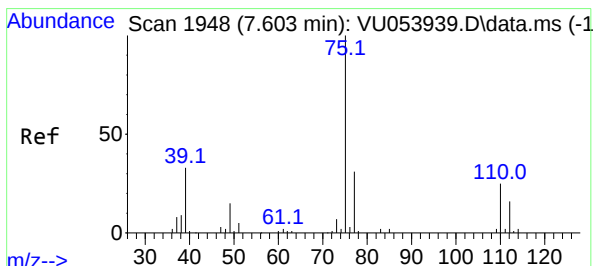
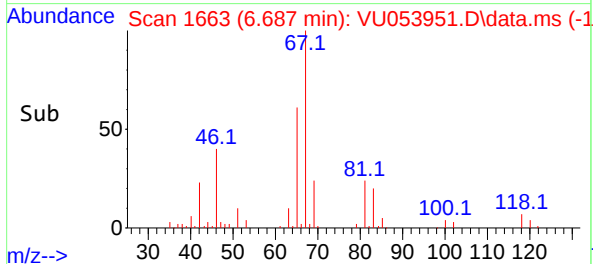
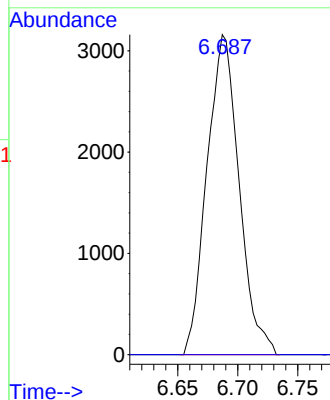
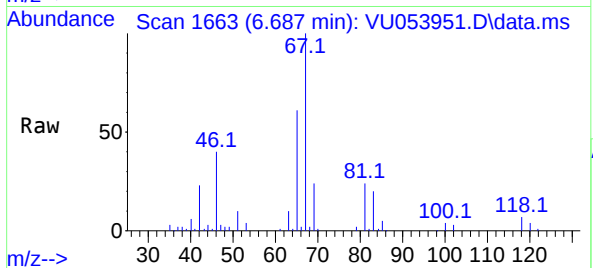




#37
1,2-Dichloropropane
Concen: 0.688 ug/L
RT: 6.687 min Scan# 11
Delta R.T. -0.100 min
Lab File: VU053951.D
Acq: 27 Apr 2023 21:41

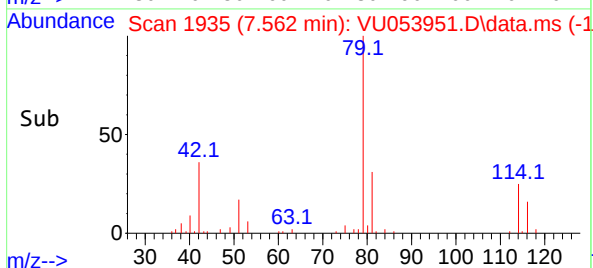
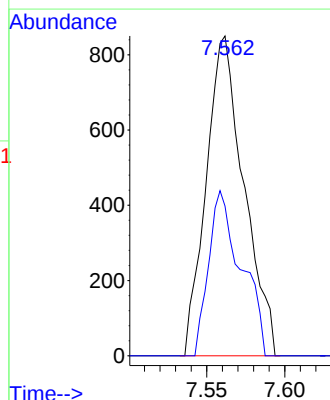
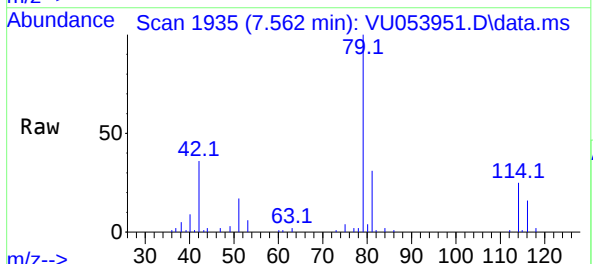
Instrument :
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ClientSampleId :
BHE74

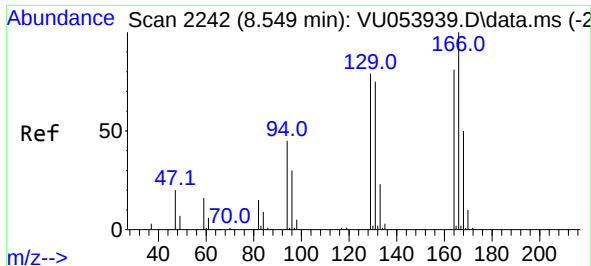
Tgt Ion: 63 Resp: 5890
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.111 ug/L
RT: 7.562 min Scan# 1935
Delta R.T. -0.042 min
Lab File: VU053951.D
Acq: 27 Apr 2023 21:41

Tgt Ion: 75 Resp: 1431
Ion Ratio Lower Upper
75 100
77 46.8 22.4 41.6#





#47

Tetrachloroethene

Concen: 0.207 ug/L

RT: 8.552 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053951.D

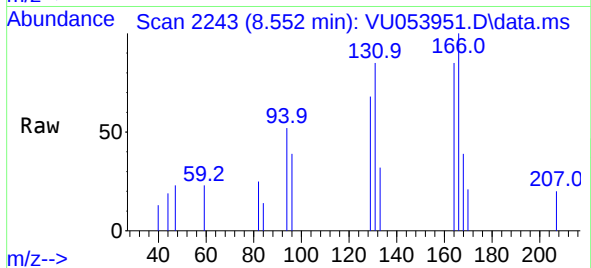
Acq: 27 Apr 2023 21:41

Instrument :

MSVOA_U

ClientSampleId :

BHE74



Tgt Ion:164 Resp: 1545

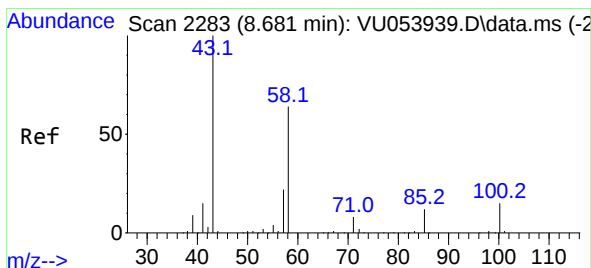
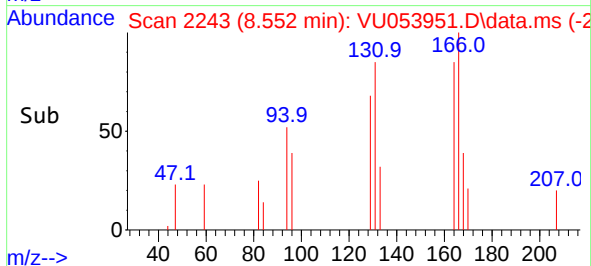
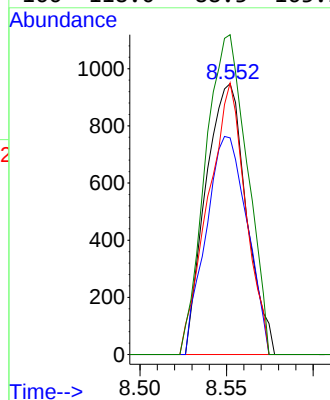
Ion Ratio Lower Upper

164 100

129 80.0 68.3 126.8

131 100.2 64.4 119.6

166 118.0 88.3 163.9



#48

2-Hexanone

Concen: 3.145 ug/L

RT: 8.632 min Scan# 2268

Delta R.T. -0.048 min

Lab File: VU053951.D

Acq: 27 Apr 2023 21:41

Tgt Ion: 43 Resp: 9233

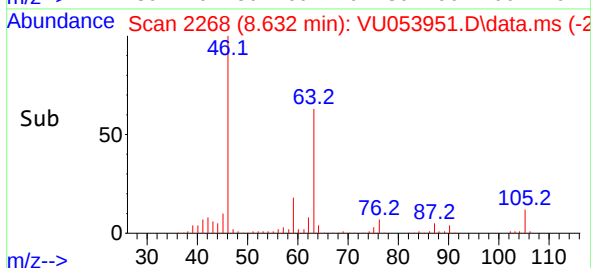
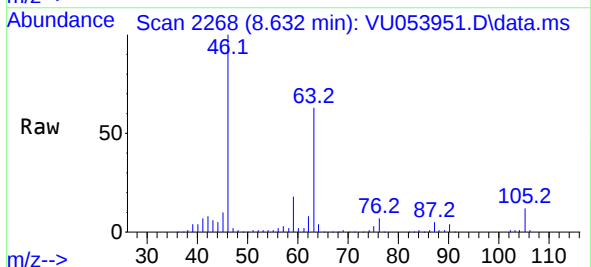
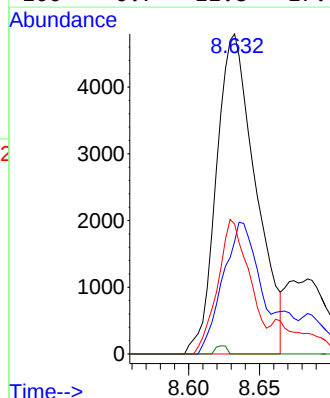
Ion Ratio Lower Upper

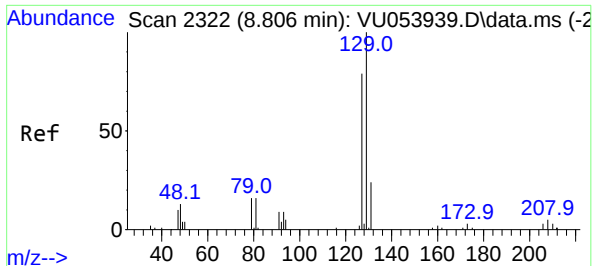
43 100

58 37.3 49.8 74.6#

57 34.2 16.9 25.3#

100 0.7 11.8 17.8#





#49

Dibromochloromethane

Concen: 0.186 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053951.D

Acq: 27 Apr 2023 21:41

Instrument :

MSVOA_U

ClientSampleId :

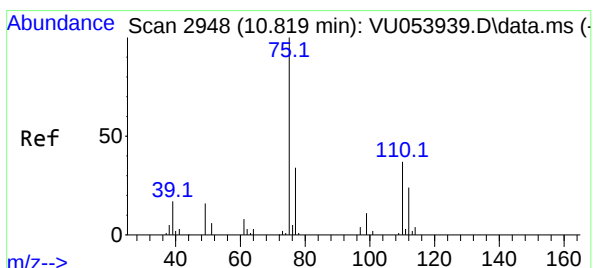
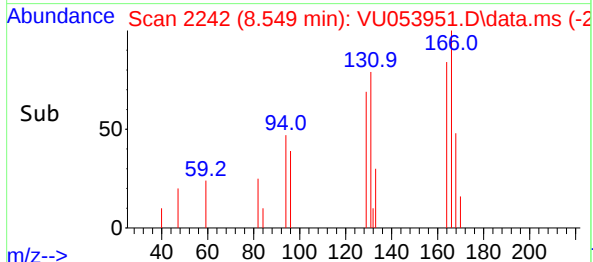
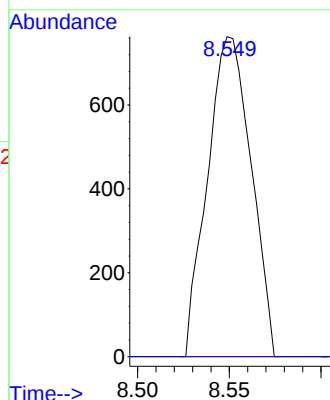
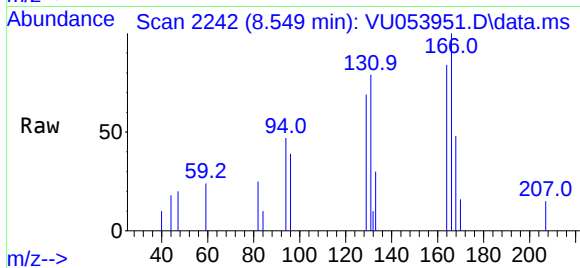
BHE74

Tgt Ion:129 Resp: 1262

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.362 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.987 min

Lab File: VU053951.D

Acq: 27 Apr 2023 21:41

Tgt Ion: 75 Resp: 6202

Ion Ratio Lower Upper

75 100

110 1.5 30.7 46.1#

77 34.3 26.2 39.4

