

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041823\
 Data File : VU053769.D
 Acq On : 18 Apr 2023 19:05
 Operator : JC/MD
 Sample : 02340-12DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE14DL

Quant Time: Apr 19 05:03:42 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)

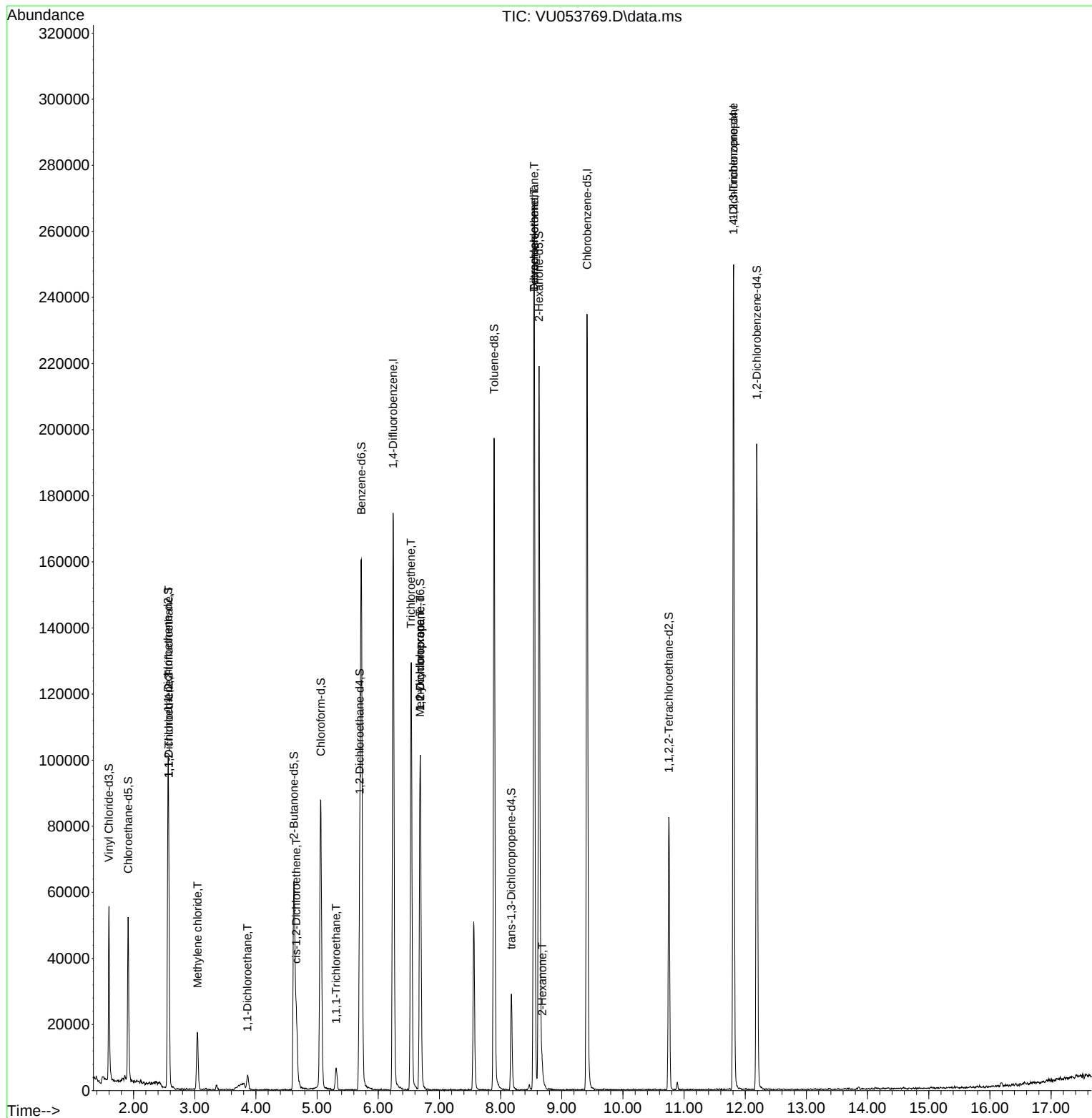
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	148447	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	140390	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	69309	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	40955	4.010	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.912	69	37342	4.029	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.565	65	15821	3.637	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.800%
20) 2-Butanone-d5	4.620	46	94900	40.564	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.120%
24) Chloroform-d	5.060	84	80270	4.240	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	5.697	65	40926	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.722	84	157132	3.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.687	67	52201	4.306	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.893	98	139108	3.706	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	8.176	79	17290	3.716	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.629	63	78172	41.368	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	40542	4.018	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	55338	4.438	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1710	0.185	ug/L #	70
12) 1,1-Dichloroethene	2.575	96	10954	1.303	ug/L #	24
16) Methylene chloride	3.044	84	9271	0.840	ug/L	95
19) 1,1-Dichloroethane	3.861	63	5316	0.331	ug/L #	95
22) cis-1,2-Dichloroethene	4.661	96	8040	0.684	ug/L	95
29) 1,1,1-Trichloroethane	5.311	97	4984	0.360	ug/L	94
34) Trichloroethene	6.536	95	43592	4.352	ug/L	94
35) Methylcyclohexane	6.684	83	11941	0.695	ug/L #	23
37) 1,2-Dichloropropane	6.687	63	5401	0.544	ug/L #	89
47) Tetrachloroethene	8.549	164	59065	8.025	ug/L	95
48) 2-Hexanone	8.680	43	2432	0.677	ug/L #	73
49) Dibromochloromethane	8.549	129	57525	8.249	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	7635	1.330	ug/L #	67

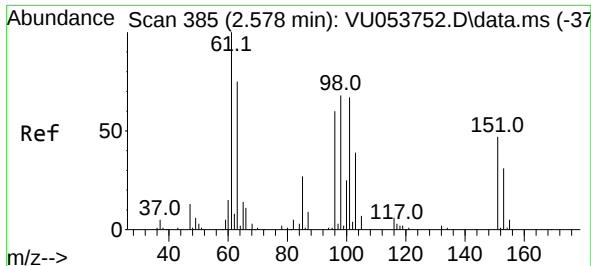
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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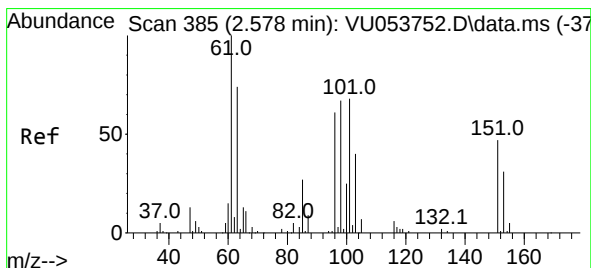
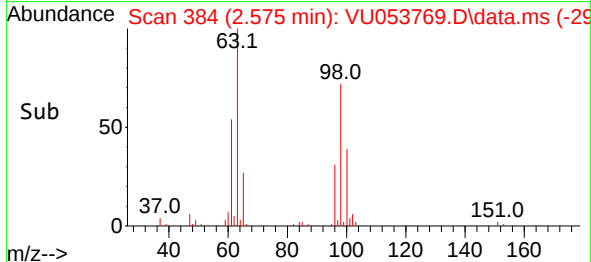
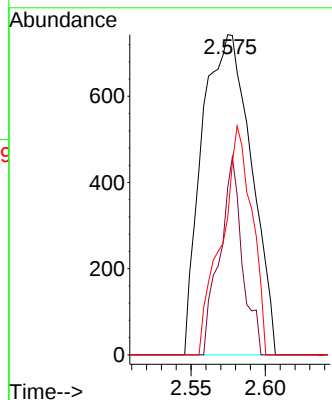
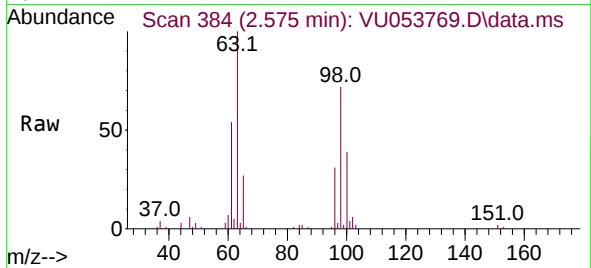




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.185 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

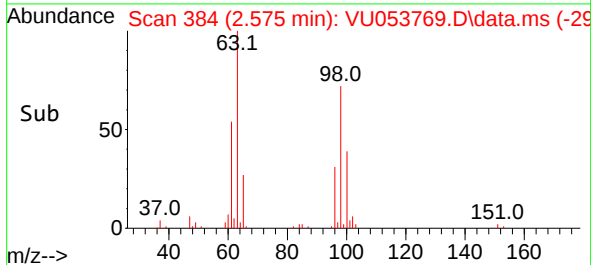
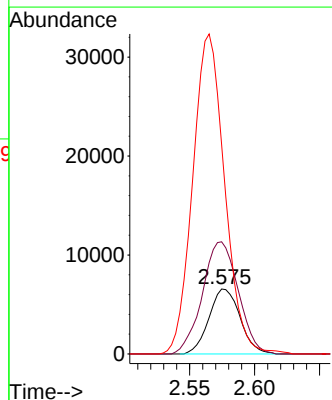
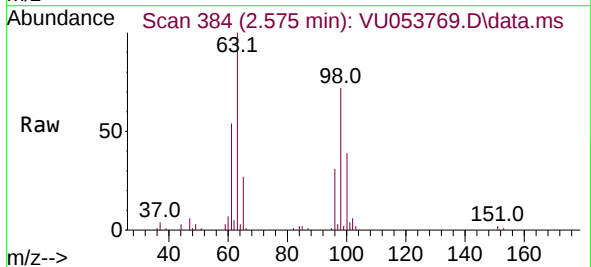
Instrument :
MSVOA_U
ClientSampleId :
BHE14DL

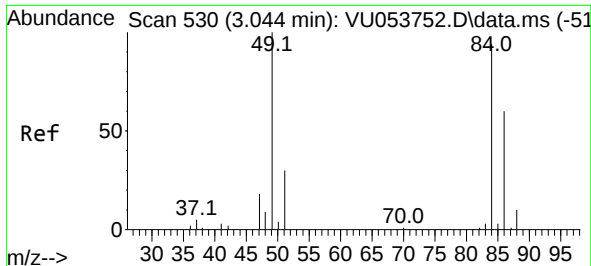
Tgt Ion:101 Resp: 1710
Ion Ratio Lower Upper
101 100
85 28.5 37.0 55.4#
151 44.3 56.8 85.2#



#12
1,1-Dichloroethene
Concen: 1.303 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

Tgt Ion: 96 Resp: 10954
Ion Ratio Lower Upper
96 100
61 172.6 116.8 216.8
63 321.9 88.6 164.6#

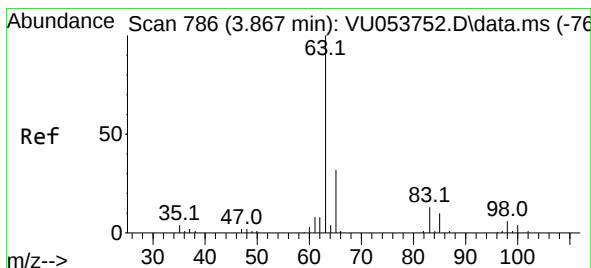
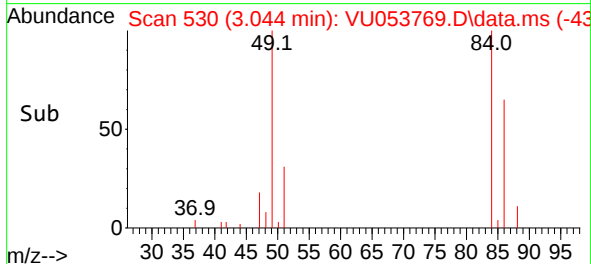
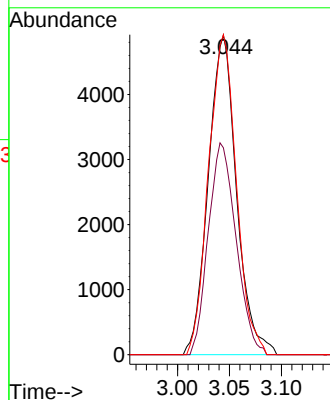
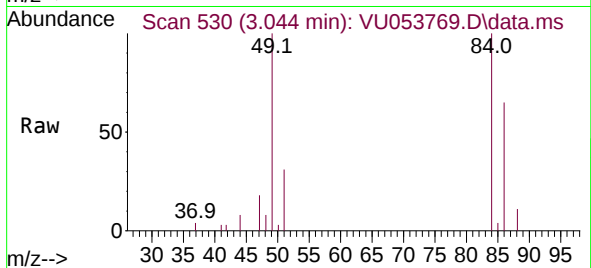




#16
Methylene chloride
Concen: 0.840 ug/L
RT: 3.044 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

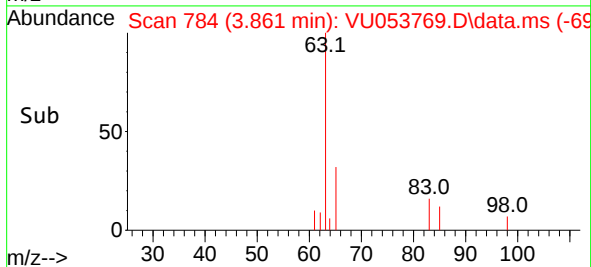
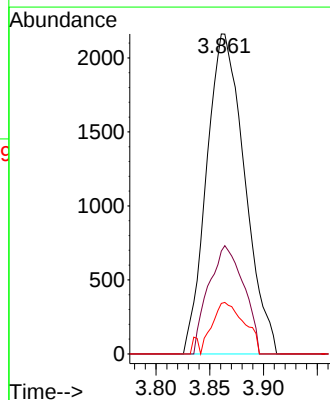
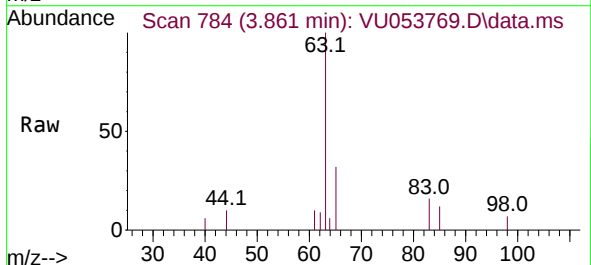
Instrument :
MSVOA_U
ClientSampleId :
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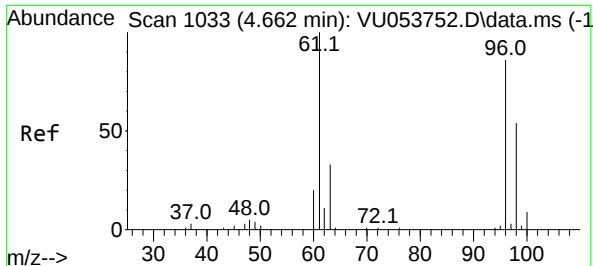
Tgt Ion: 84 Resp: 9271
Ion Ratio Lower Upper
84 100
86 64.8 44.7 83.1
49 100.2 75.5 140.1



#19
1,1-Dichloroethane
Concen: 0.331 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.007 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

Tgt Ion: 63 Resp: 5316
Ion Ratio Lower Upper
63 100
65 32.1 21.7 40.3
83 15.8 8.1 15.1#





#22

cis-1,2-Dichloroethene

Concen: 0.684 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053769.D

Acq: 18 Apr 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

BHE14DL

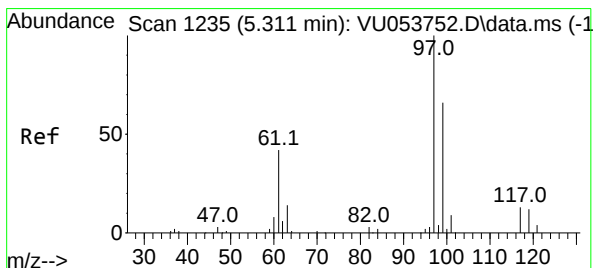
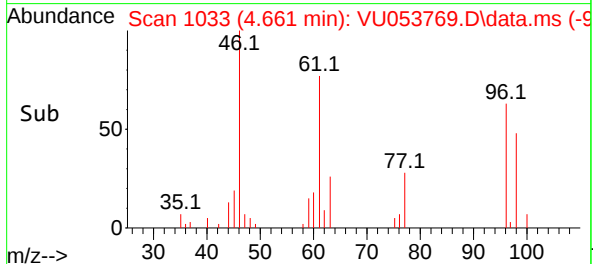
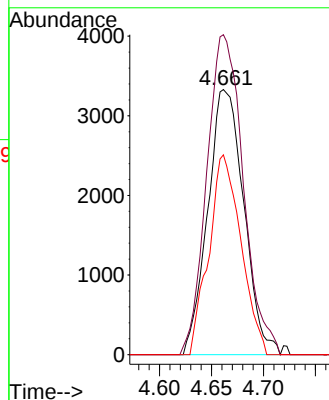
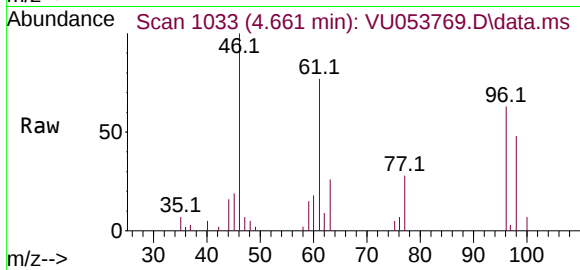
Tgt Ion: 96 Resp: 8040

Ion Ratio Lower Upper

96 100

61 120.7 86.6 160.8

98 75.4 47.7 88.5



#29

1,1,1-Trichloroethane

Concen: 0.360 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053769.D

Acq: 18 Apr 2023 19:05

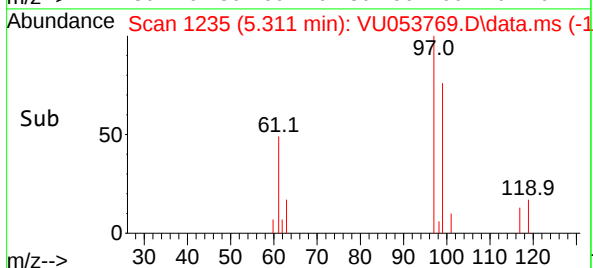
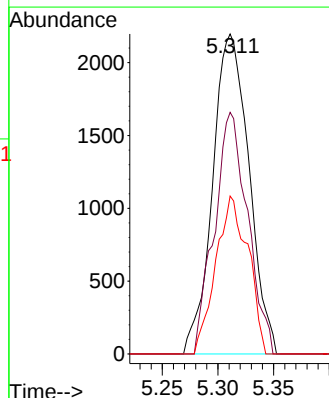
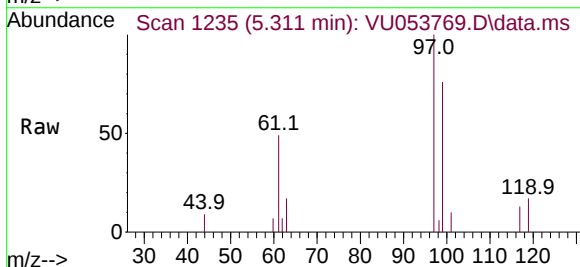
Tgt Ion: 97 Resp: 4984

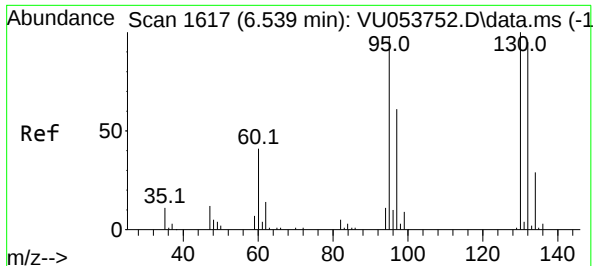
Ion Ratio Lower Upper

97 100

99 69.1 49.9 74.9

61 43.8 35.7 53.5

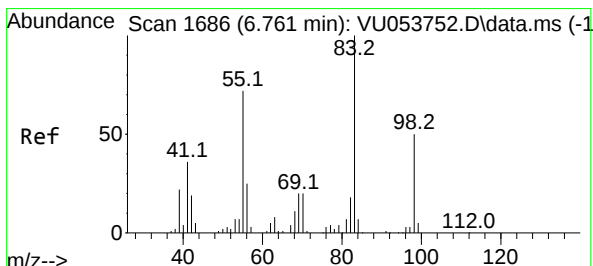
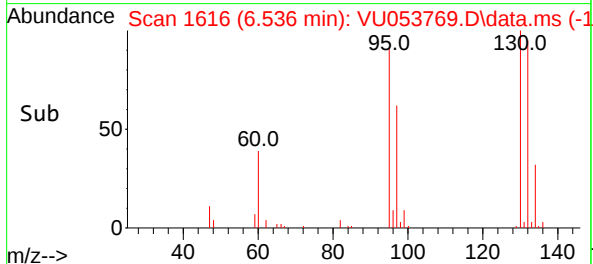
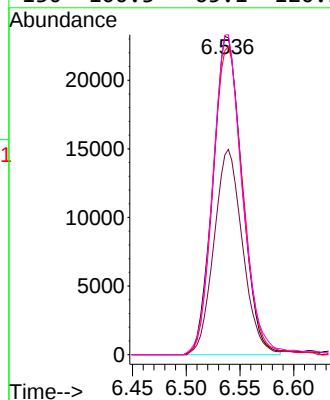
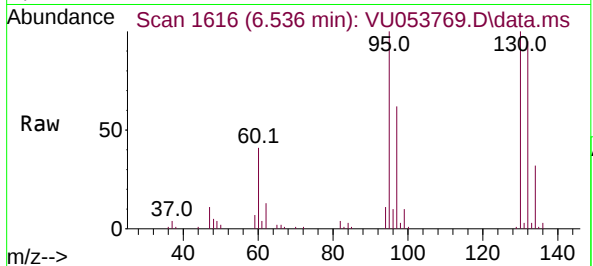




#34
Trichloroethene
Concen: 4.352 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

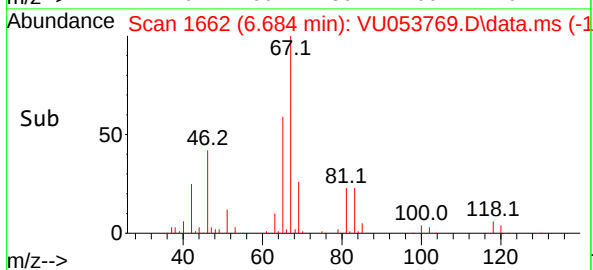
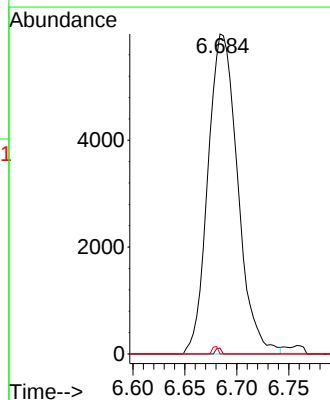
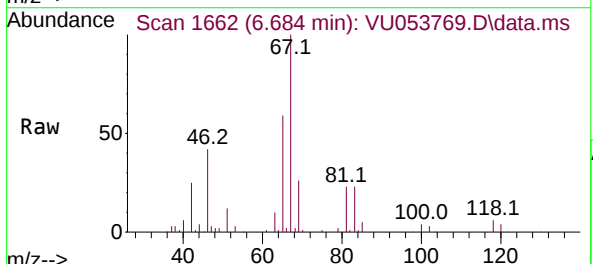
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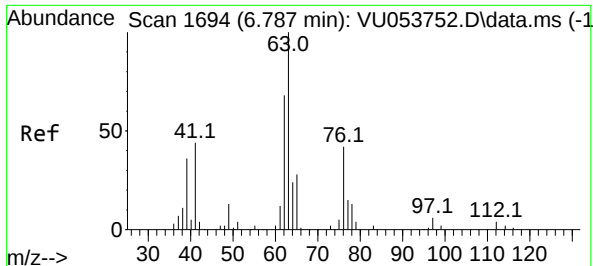
Tgt Ion: 95 Resp: 43592
Ion Ratio Lower Upper
95 100
97 62.7 45.3 84.1
132 95.4 62.8 116.6
130 100.3 65.1 120.9



#35
Methylcyclohexane
Concen: 0.695 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.077 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

Tgt Ion: 83 Resp: 11941
Ion Ratio Lower Upper
83 100
55 0.3 54.9 82.3#
98 0.4 34.9 52.3#

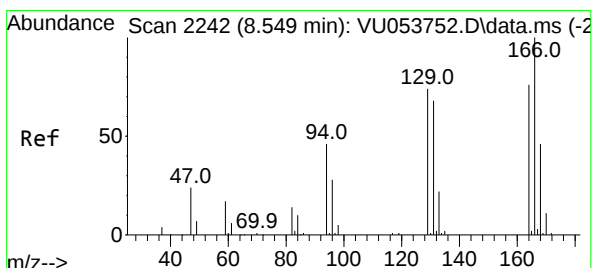
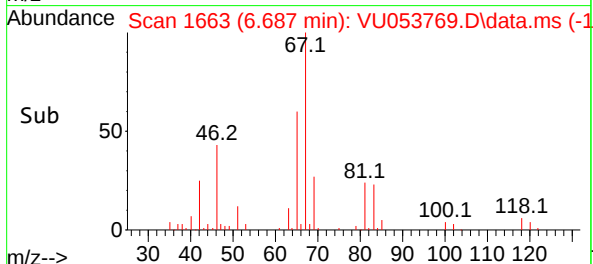
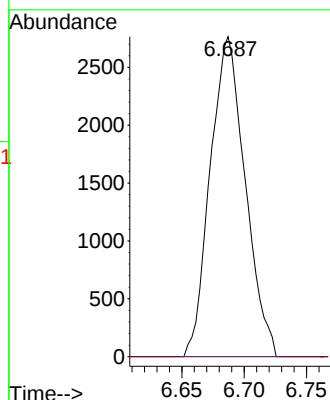
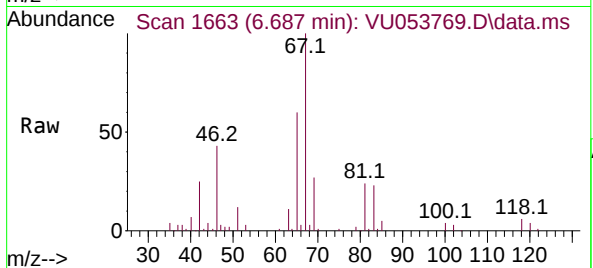




#37
1,2-Dichloropropane
Concen: 0.544 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

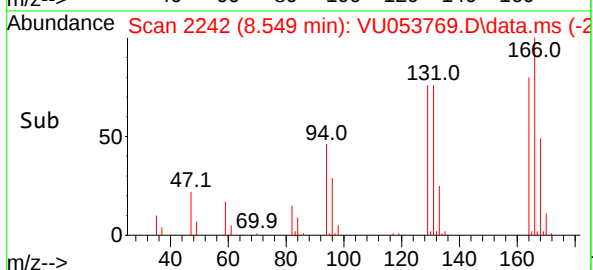
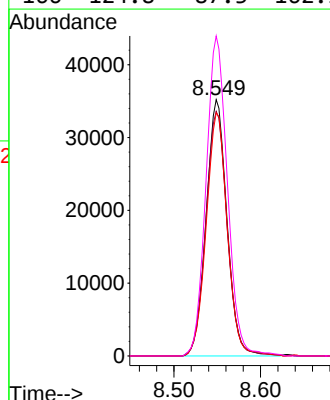
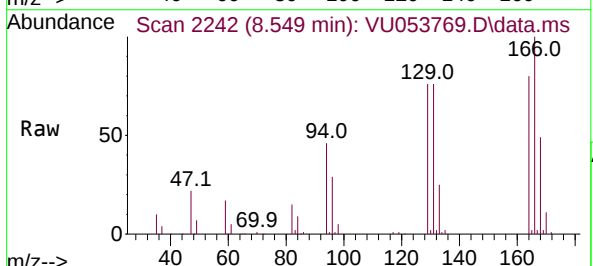
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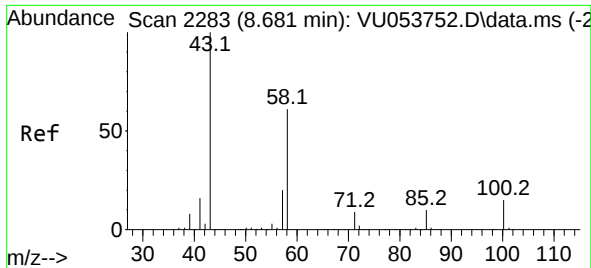
Tgt Ion: 63 Resp: 5401
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#47
Tetrachloroethene
Concen: 8.025 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

Tgt Ion: 164 Resp: 59065
Ion Ratio Lower Upper
164 100
129 95.5 74.8 138.8
131 94.9 70.1 130.1
166 124.8 87.3 162.1

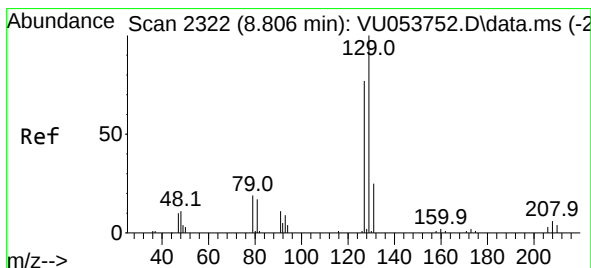
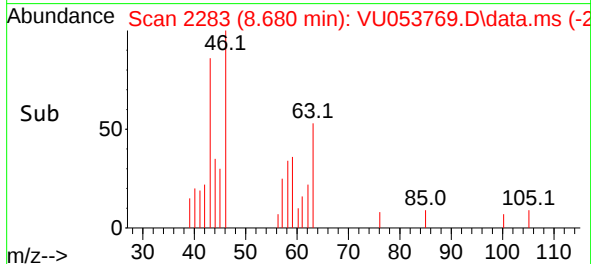
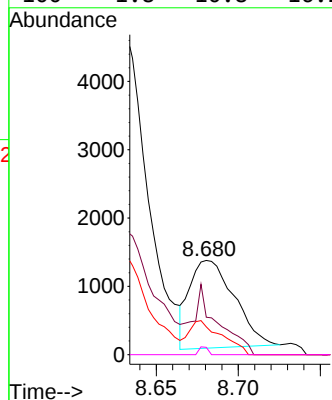
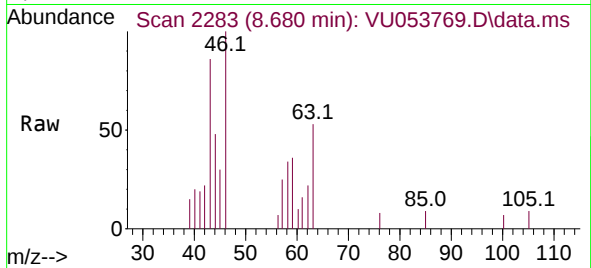




#48
2-Hexanone
Concen: 0.677 ug/L
RT: 8.680 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

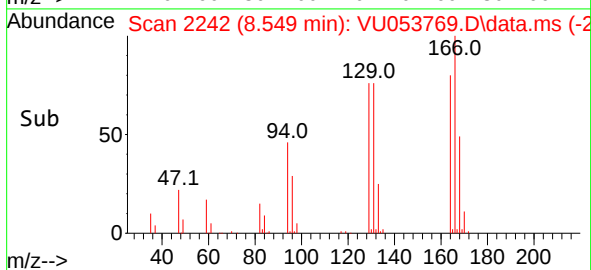
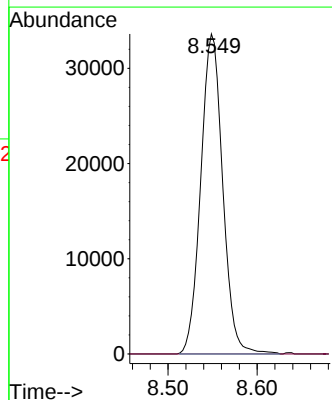
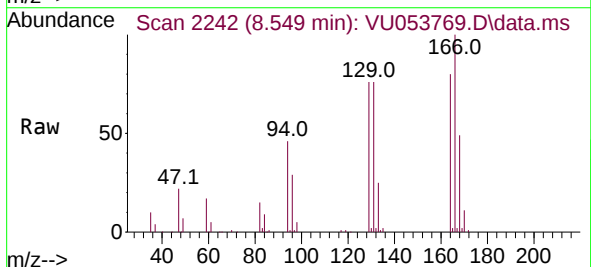
Instrument :
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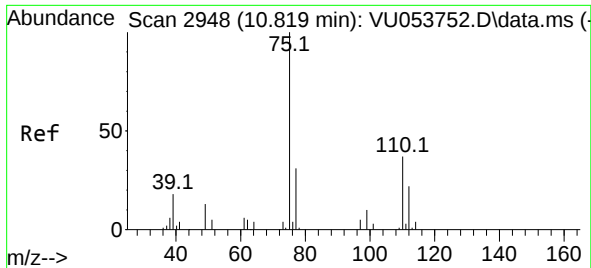
Tgt Ion: 43	Resp:	2432
Ion	Ratio	Lower Upper
43	100	
58	41.9	52.8 79.2#
57	28.7	17.1 25.7#
100	1.8	10.8 16.2#



#49
Dibromochloromethane
Concen: 8.249 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053769.D
Acq: 18 Apr 2023 19:05

Tgt Ion: 129	Resp:	57525
Ion	Ratio	Lower Upper
129	100	
127	0.0	52.2 97.0#





#61

1,2,3-Trichloropropane

Concen: 1.330 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU053769.D

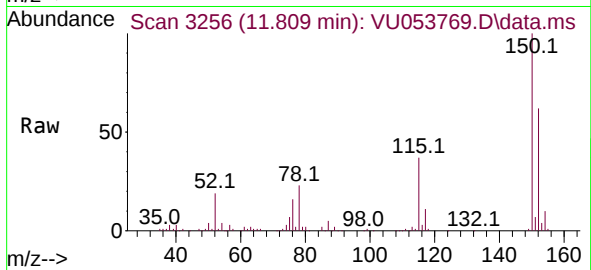
Acq: 18 Apr 2023 19:05

Instrument :

MSVOA_U

ClientSampleId :

BHE14DL



Tgt Ion: 75 Resp: 7635

Ion Ratio Lower Upper

75 100

110 2.7 30.6 46.0#

77 34.0 26.1 39.1

