

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042023\
 Data File : VU053800.D
 Acq On : 20 Apr 2023 12:48
 Operator : JC/MD
 Sample : 02340-20 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE21

Quant Time: Apr 21 04:19:54 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)

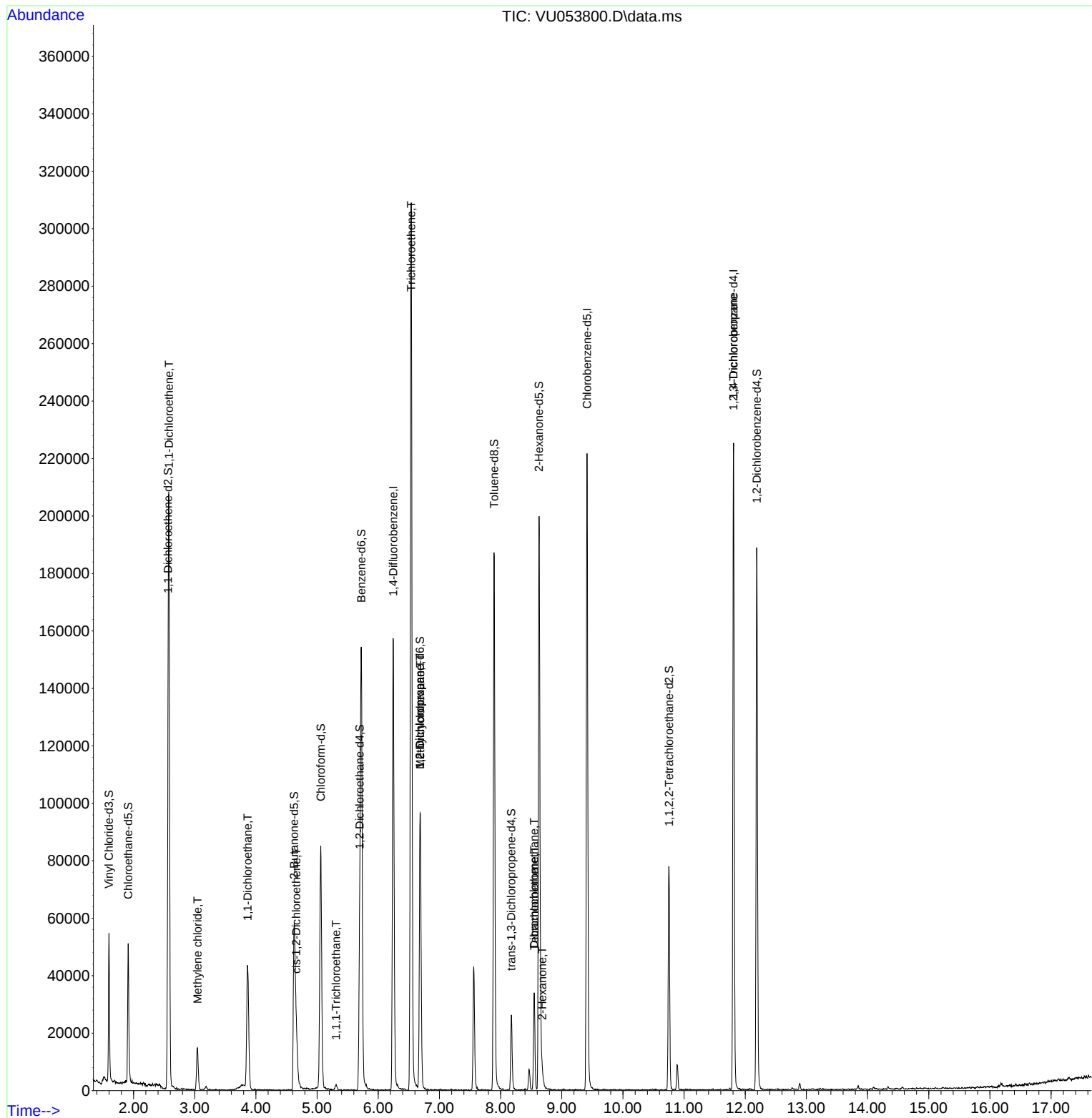
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	134750	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129952	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	61891	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38530	4.157	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.912	69	35387	4.206	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.565	65	14844	3.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	4.626	46	88541	41.693	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.380%
24) Chloroform-d	5.060	84	76952	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.697	65	39866	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.722	84	150382	4.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	6.684	67	49971	4.453	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.893	98	133186	3.833	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.600%
43) trans-1,3-Dichloroprop...	8.176	79	16115	3.742	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.629	63	73736	42.154	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.300%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	39847	4.266	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	12.188	152	51932	4.664	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	57163	7.493	ug/L #	79
16) Methylene chloride	3.044	84	7676	0.766	ug/L	96
19) 1,1-Dichloroethane	3.864	63	50773	3.478	ug/L	95
22) cis-1,2-Dichloroethene	4.661	96	6032	0.565	ug/L	93
29) 1,1,1-Trichloroethane	5.311	97	1657	0.129	ug/L #	70
34) Trichloroethene	6.539	95	108554	11.707	ug/L	94
35) Methylcyclohexane	6.687	83	12140	0.763	ug/L #	23
37) 1,2-Dichloropropane	6.684	63	5331	0.580	ug/L #	89
47) Tetrachloroethene	8.552	164	7762	1.139	ug/L	90
48) 2-Hexanone	8.681	43	2474	0.744	ug/L #	81
49) Dibromochloromethane	8.549	129	7545	1.169	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	7599	1.482	ug/L #	68

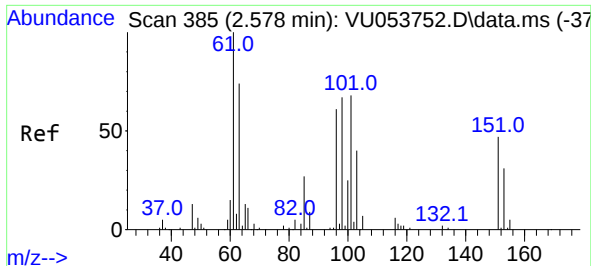
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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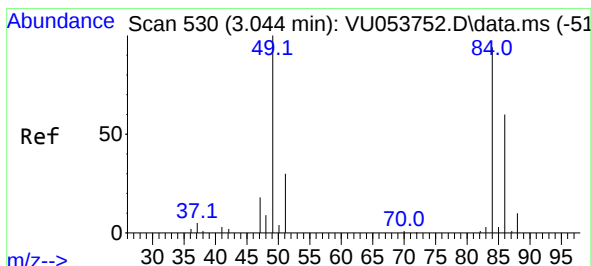
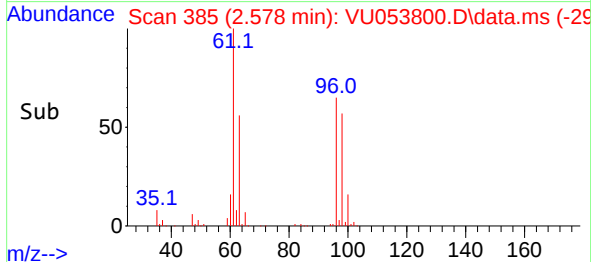
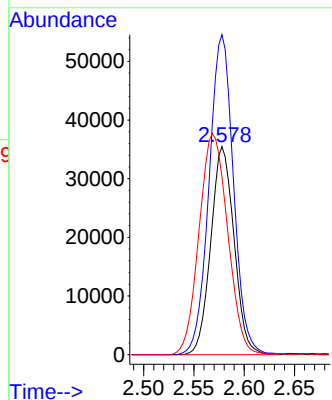
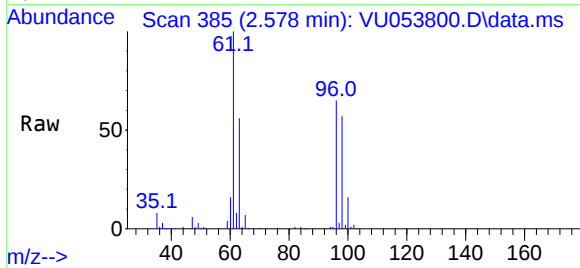




#12
1,1-Dichloroethene
Concen: 7.493 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

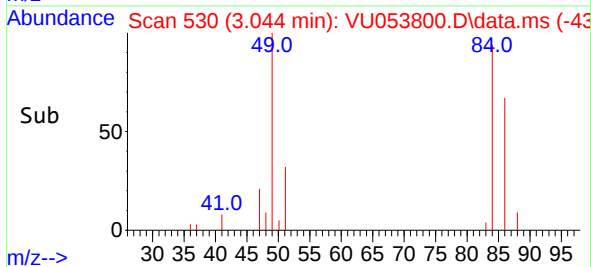
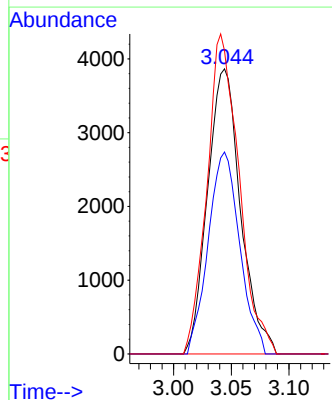
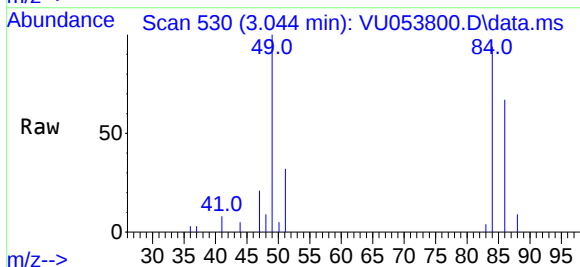
Instrument : MSVOA_U
ClientSampleId : BHE21

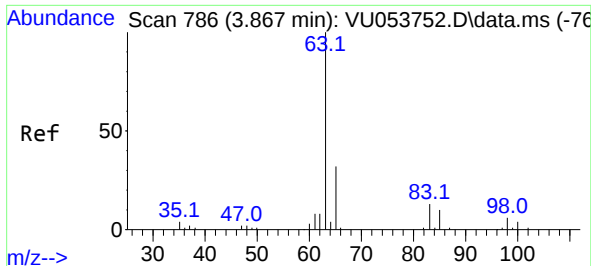
Tgt Ion: 96 Resp: 57163
Ion Ratio Lower Upper
96 100
61 153.7 116.8 216.8
63 85.5 88.6 164.6#



#16
Methylene chloride
Concen: 0.766 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Tgt Ion: 84 Resp: 7676
Ion Ratio Lower Upper
84 100
86 70.8 44.7 83.1
49 106.3 75.5 140.1

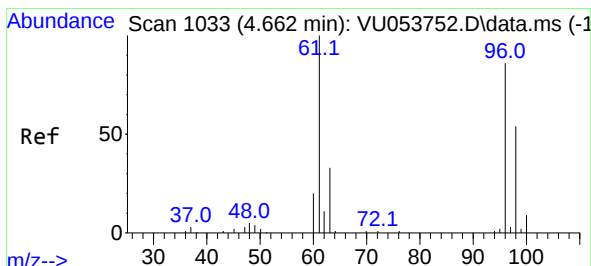
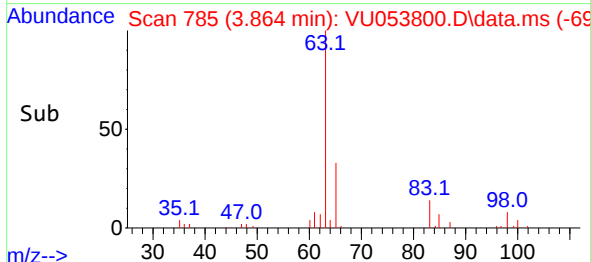
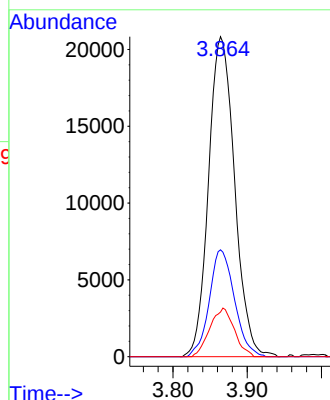
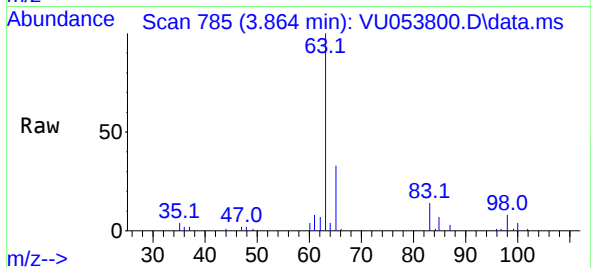




#19
1,1-Dichloroethane
Concen: 3.478 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

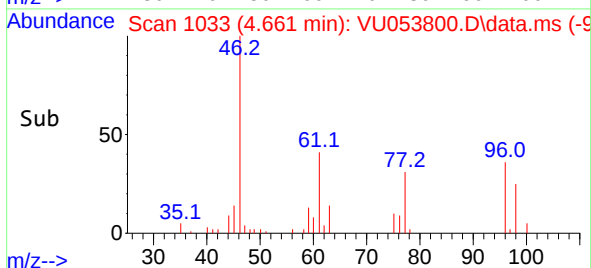
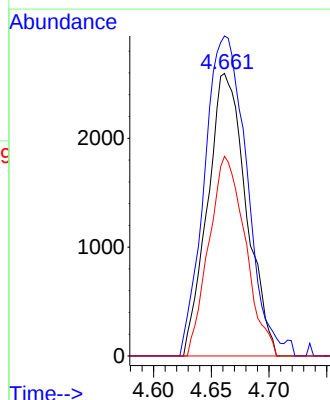
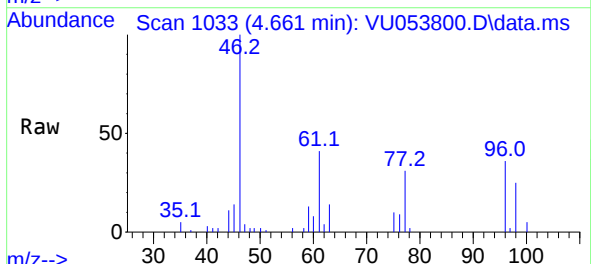
Instrument :
MSVOA_U
ClientSampleId :
BHE21

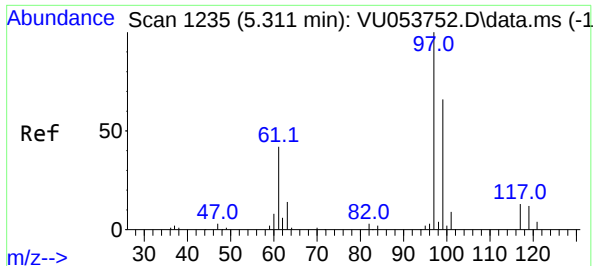
Tgt Ion: 63 Resp: 50773
Ion Ratio Lower Upper
63 100
65 33.4 21.7 40.3
83 14.0 8.1 15.1



#22
cis-1,2-Dichloroethene
Concen: 0.565 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Tgt Ion: 96 Resp: 6032
Ion Ratio Lower Upper
96 100
61 113.3 86.6 160.8
98 70.7 47.7 88.5



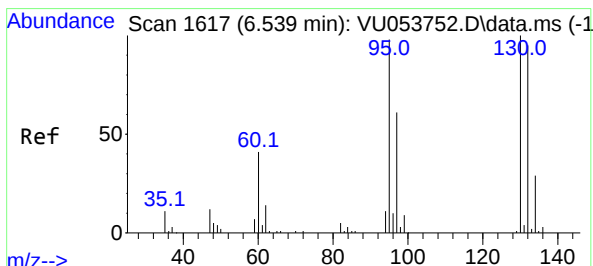
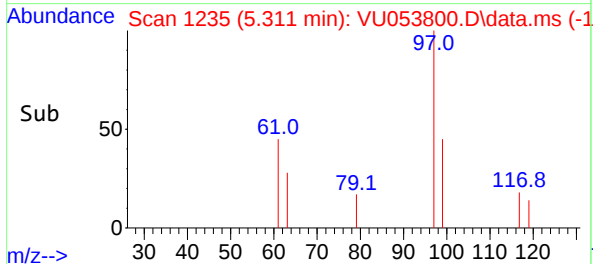
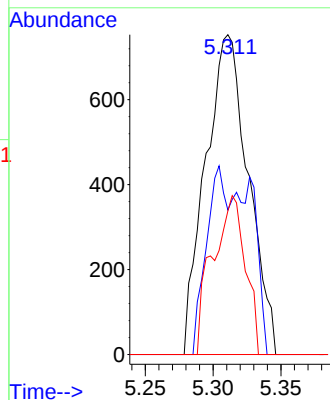
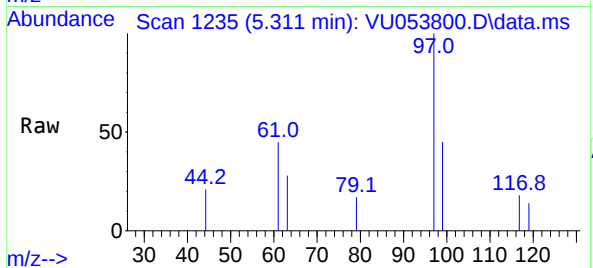


#29
1,1,1-Trichloroethane
Concen: 0.129 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Instrument :
MSVOA_U
ClientSampleId :
BHE21

Tgt Ion: 97 Resp: 1657

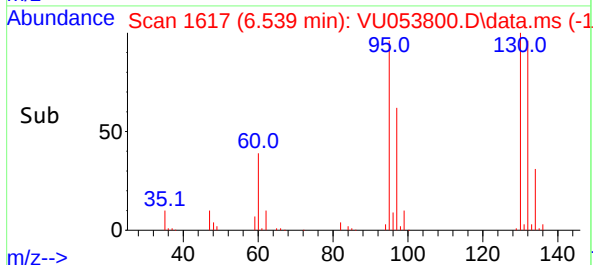
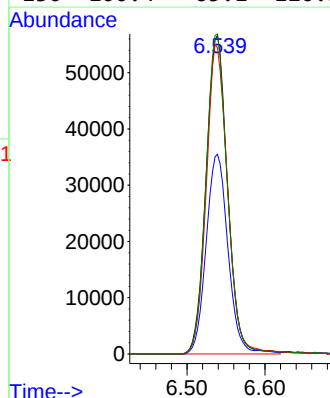
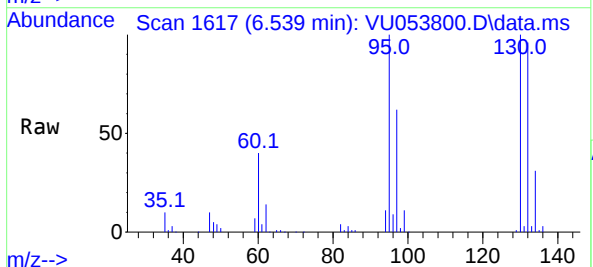
Ion	Ratio	Lower	Upper
97	100		
99	28.7	49.9	74.9#
61	37.8	35.7	53.5

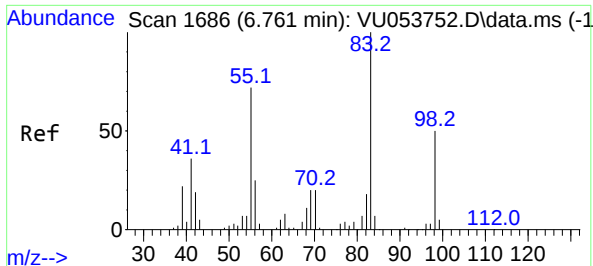


#34
Trichloroethene
Concen: 11.707 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Tgt Ion: 95 Resp: 108554

Ion	Ratio	Lower	Upper
95	100		
97	62.7	45.3	84.1
132	96.0	62.8	116.6
130	100.4	65.1	120.9





#35

Methylcyclohexane

Concen: 0.763 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU053800.D

Acq: 20 Apr 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

BHE21

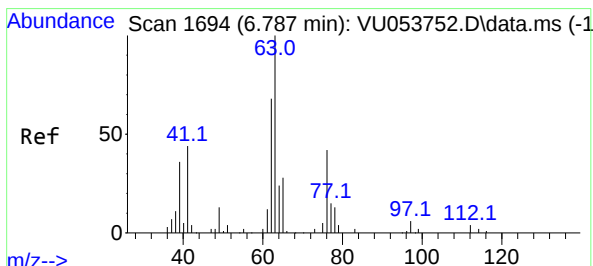
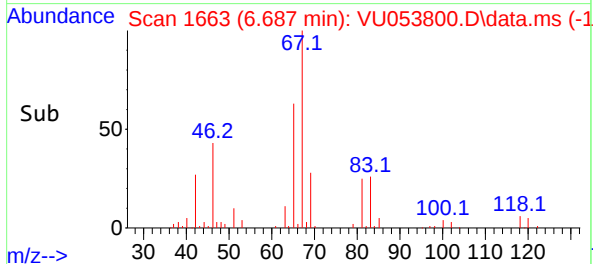
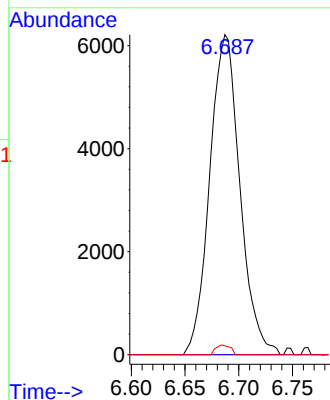
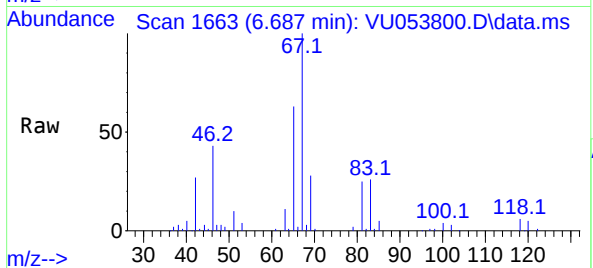
Tgt Ion: 83 Resp: 12140

Ion Ratio Lower Upper

83 100

55 0.0 54.9 82.3#

98 1.5 34.9 52.3#



#37

1,2-Dichloropropane

Concen: 0.580 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.103 min

Lab File: VU053800.D

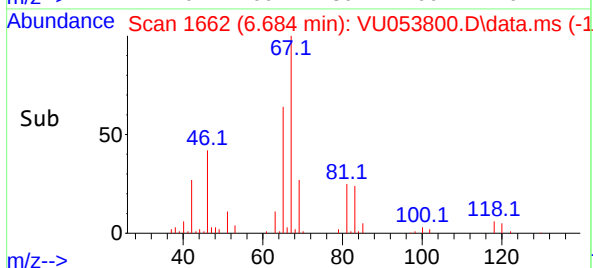
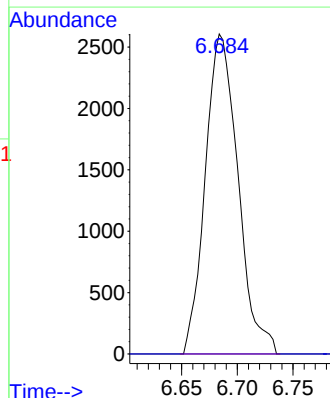
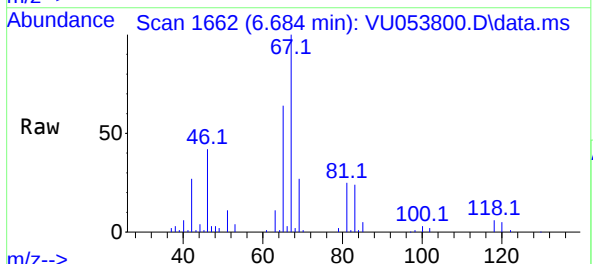
Acq: 20 Apr 2023 12:48

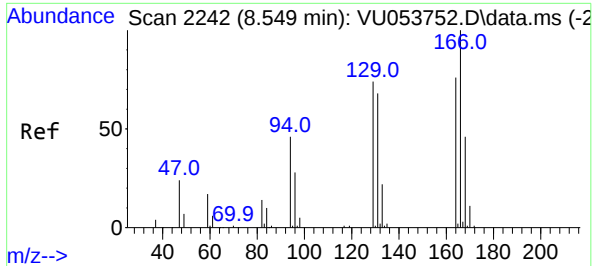
Tgt Ion: 63 Resp: 5331

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



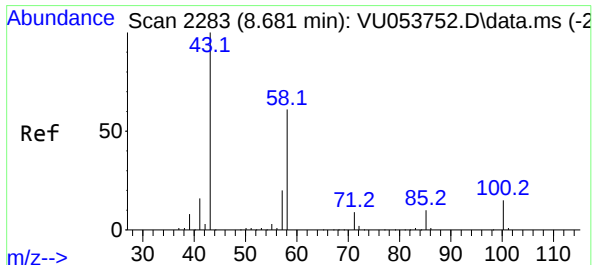
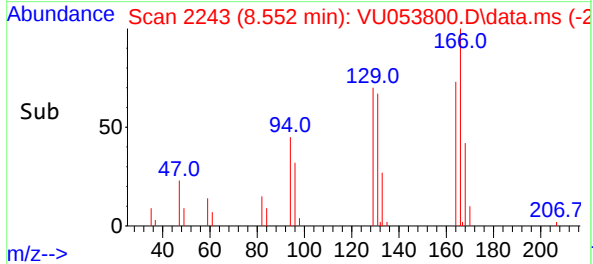
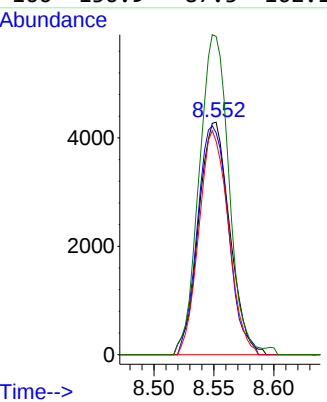
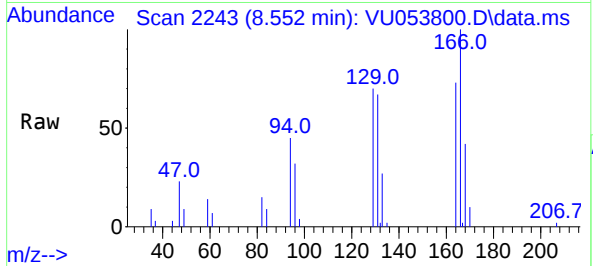


#47
Tetrachloroethene
Concen: 1.139 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Instrument :
MSVOA_U
ClientSampleId :
BHE21

Tgt Ion:164 Resp: 7762

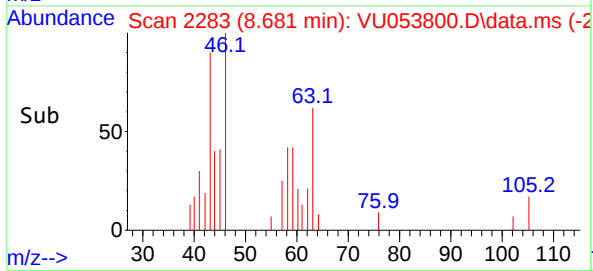
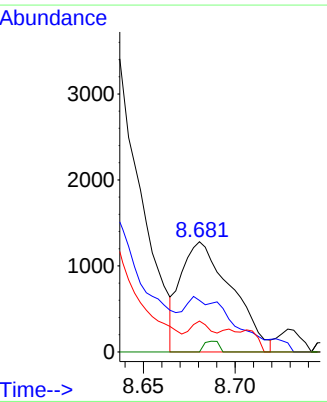
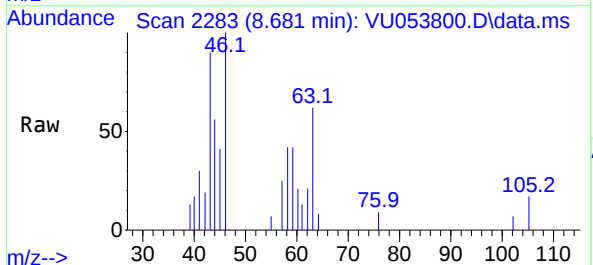
Ion	Ratio	Lower	Upper
164	100		
129	95.5	74.8	138.8
131	91.7	70.1	130.1
166	136.9	87.3	162.1

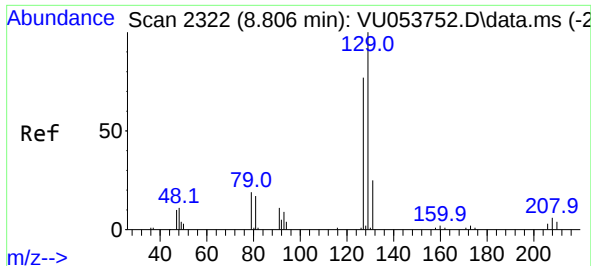


#48
2-Hexanone
Concen: 0.744 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Tgt Ion: 43 Resp: 2474

Ion	Ratio	Lower	Upper
43	100		
58	52.6	52.8	79.2#
57	13.2	17.1	25.7#
100	0.0	10.8	16.2#

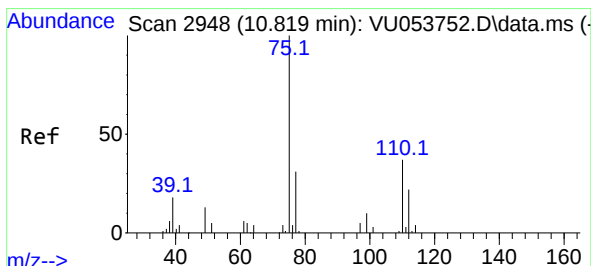
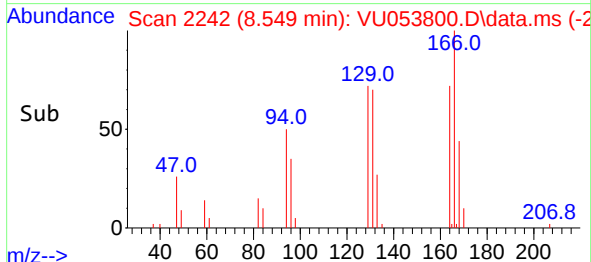
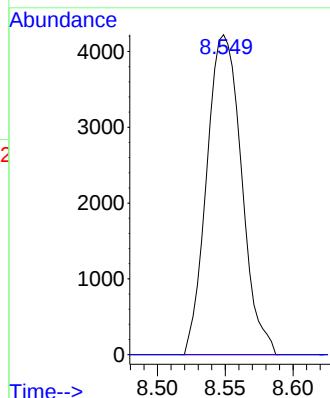
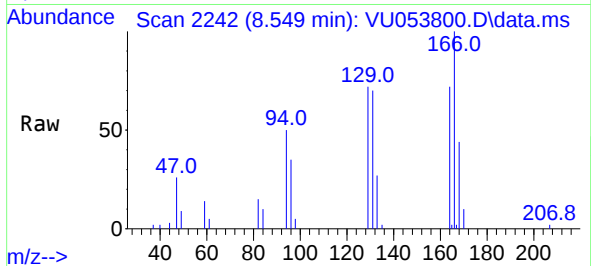




#49
Dibromochloromethane
Concen: 1.169 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Instrument :
MSVOA_U
ClientSampleId :
BHE21

Tgt Ion:129 Resp: 7545
Ion Ratio Lower Upper
129 100
127 0.0 52.2 97.0#



#61
1,2,3-Trichloropropane
Concen: 1.482 ug/L
RT: 11.806 min Scan# 3255
Delta R.T. 0.987 min
Lab File: VU053800.D
Acq: 20 Apr 2023 12:48

Tgt Ion: 75 Resp: 7599
Ion Ratio Lower Upper
75 100
110 2.9 30.6 46.0#
77 32.4 26.1 39.1

