

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042023\
 Data File : VU053802.D
 Acq On : 20 Apr 2023 13:35
 Operator : JC/MD
 Sample : 02340-19DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE20DL

Quant Time: Apr 21 04:20:08 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)

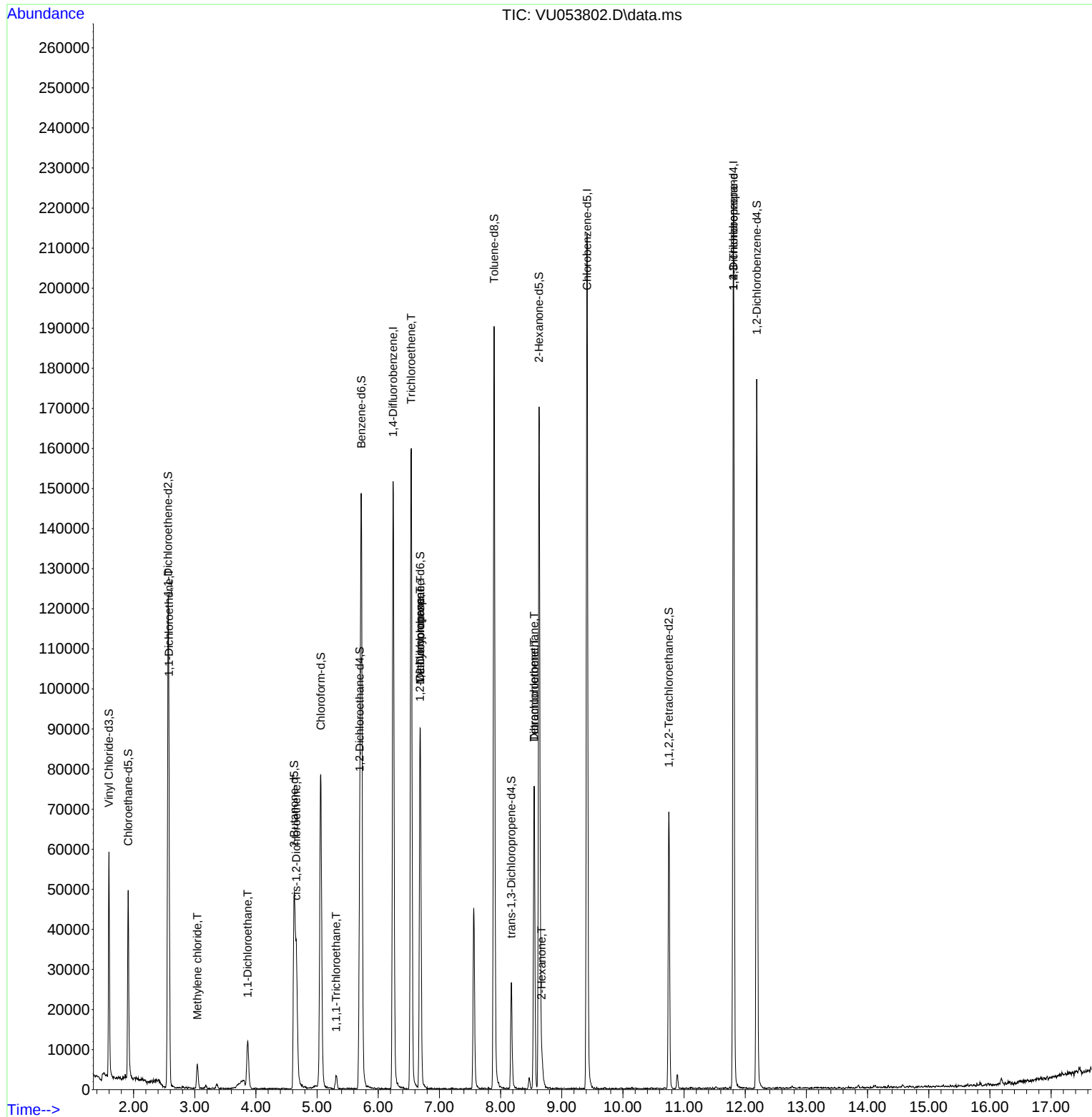
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	129711	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	125286	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62131	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43649	4.892	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.912	69	35367	4.367	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.400%
11) 1,1-Dichloroethene-d2	2.562	65	16898	4.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.626	46	72914	35.668	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.340%
24) Chloroform-d	5.060	84	73875	4.466	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.697	65	35578	4.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	5.722	84	149567	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.687	67	45803	4.233	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.896	98	135968	4.059	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	8.176	79	15995	3.853	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.629	63	60749	36.023	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.040%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	34983	3.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	48980	4.382	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	19531	2.659	ug/L	85
16) Methylene chloride	3.041	84	3284	0.340	ug/L	92
19) 1,1-Dichloroethane	3.864	63	14490	1.031	ug/L	97
22) cis-1,2-Dichloroethene	4.661	96	14443	1.405	ug/L	92
29) 1,1,1-Trichloroethane	5.311	97	2728	0.221	ug/L #	82
34) Trichloroethene	6.539	95	56900	6.365	ug/L	95
35) Methylcyclohexane	6.687	83	11003	0.717	ug/L #	22
37) 1,2-Dichloropropane	6.681	63	4655	0.525	ug/L #	89
47) Tetrachloroethene	8.549	164	17142	2.610	ug/L	96
48) 2-Hexanone	8.671	43	2470	0.770	ug/L #	83
49) Dibromochloromethane	8.549	129	17313	2.782	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	7387	1.435	ug/L #	66

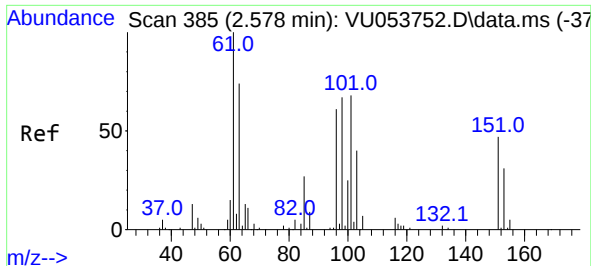
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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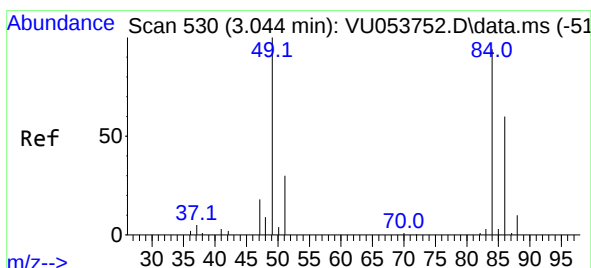
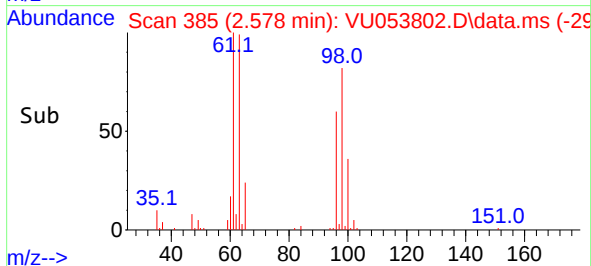
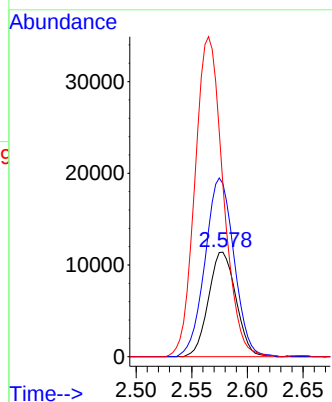
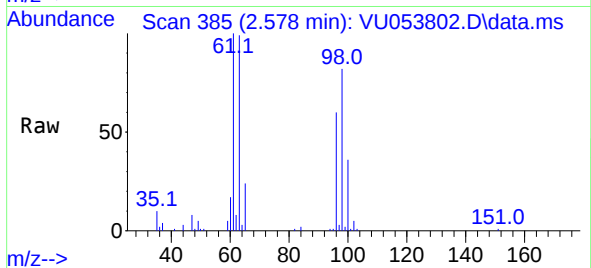


#12
1,1-Dichloroethene
Concen: 2.659 ug/L
RT: 2.578 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Instrument :
MSVOA_U
ClientSampleId :
BHE20DL

Tgt Ion: 96 Resp: 19531

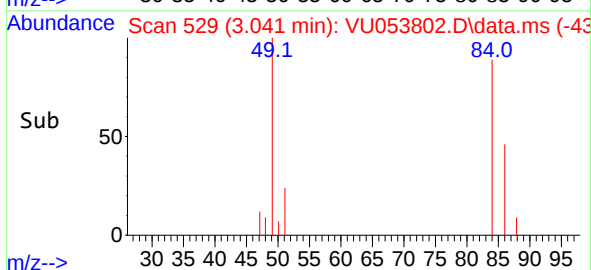
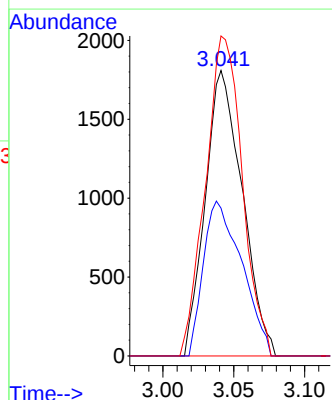
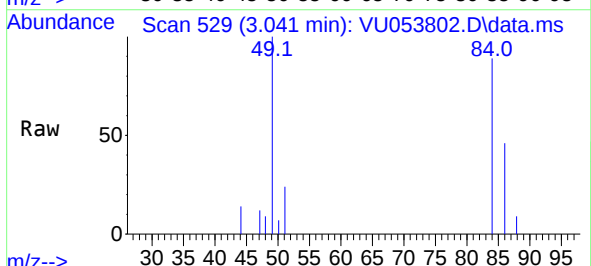
Ion	Ratio	Lower	Upper
96	100		
61	165.5	116.8	216.8
63	164.4	88.6	164.6

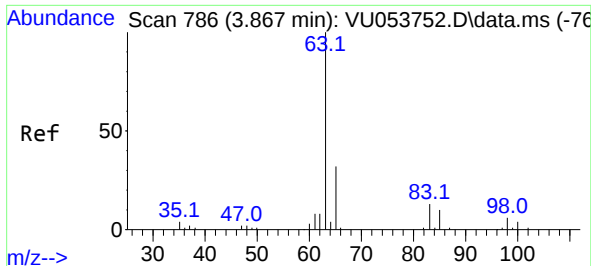


#16
Methylene chloride
Concen: 0.340 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Tgt Ion: 84 Resp: 3284

Ion	Ratio	Lower	Upper
84	100		
86	51.8	44.7	83.1
49	112.1	75.5	140.1

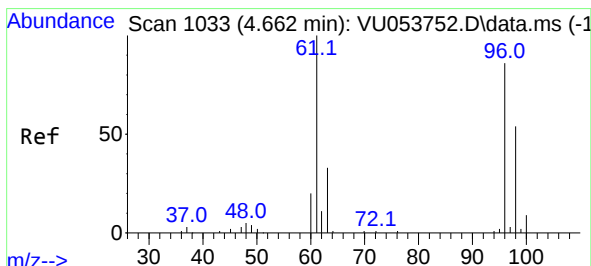
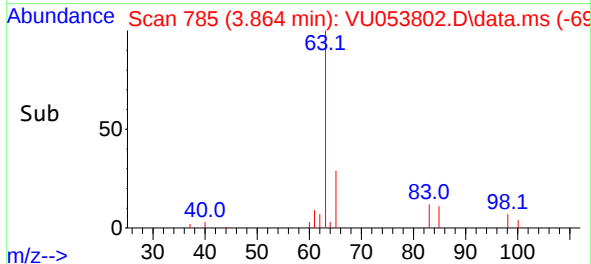
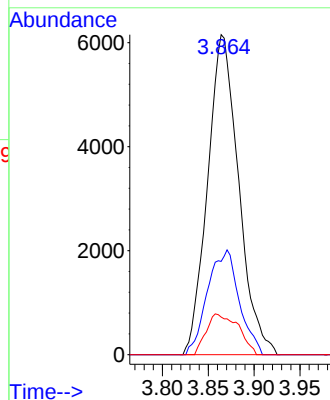
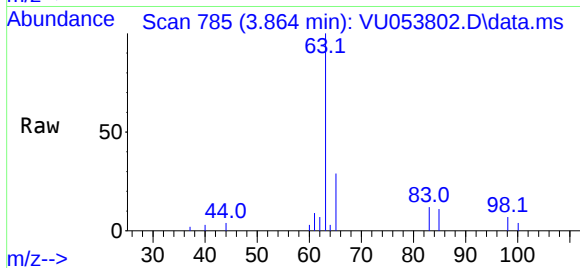




#19
1,1-Dichloroethane
Concen: 1.031 ug/L
RT: 3.864 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

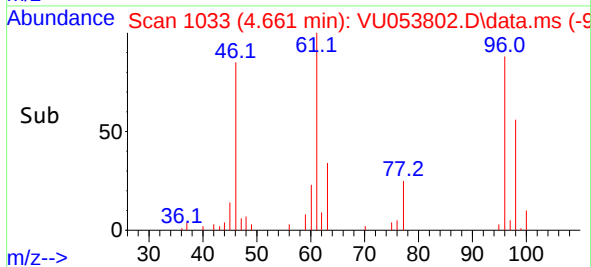
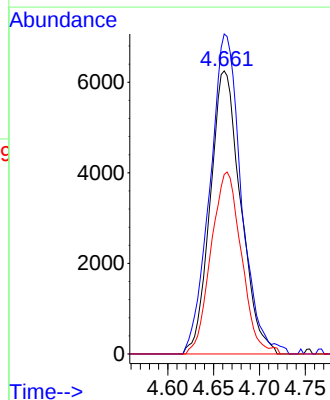
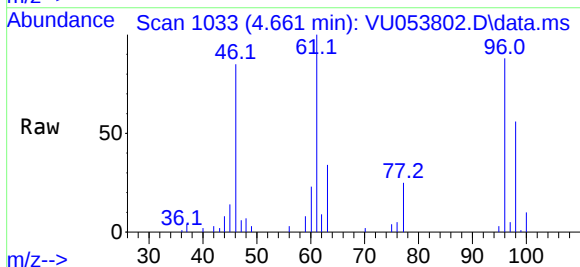
Instrument :
MSVOA_U
ClientSampleId :
BHE20DL

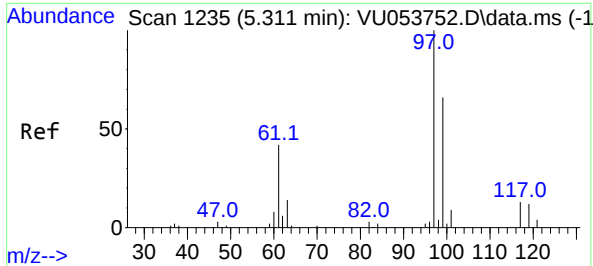
Tgt Ion:	63	Resp:	14490
Ion	Ratio	Lower	Upper
63	100		
65	29.1	21.7	40.3
83	11.8	8.1	15.1



#22
cis-1,2-Dichloroethene
Concen: 1.405 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Tgt Ion:	96	Resp:	14443
Ion	Ratio	Lower	Upper
96	100		
61	113.1	86.6	160.8
98	63.5	47.7	88.5



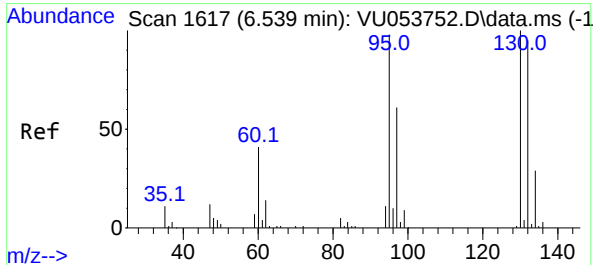
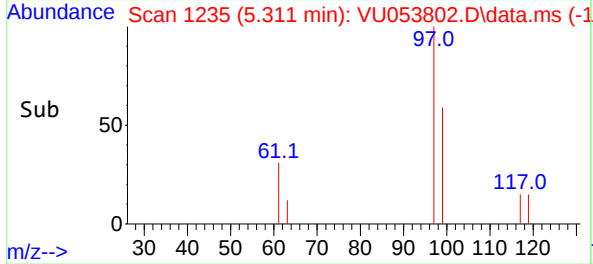
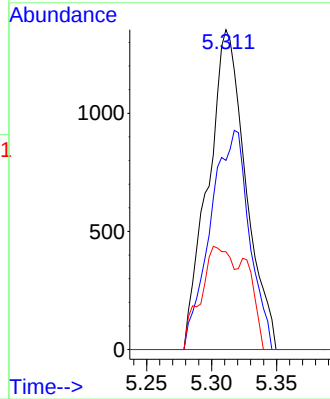
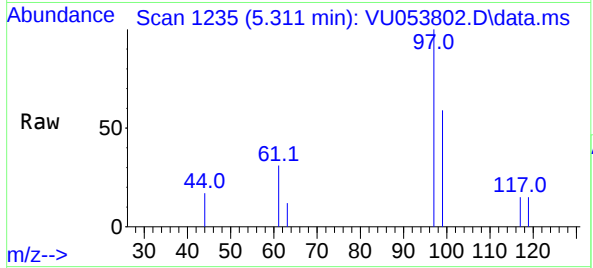


#29
1,1,1-Trichloroethane
Concen: 0.221 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Instrument :
MSVOA_U
ClientSampleId :
BHE20DL

Tgt Ion: 97 Resp: 2728

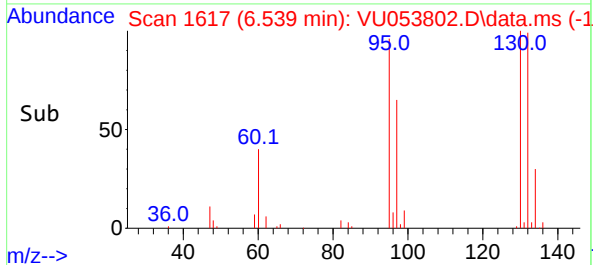
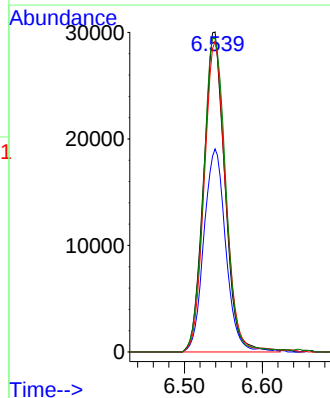
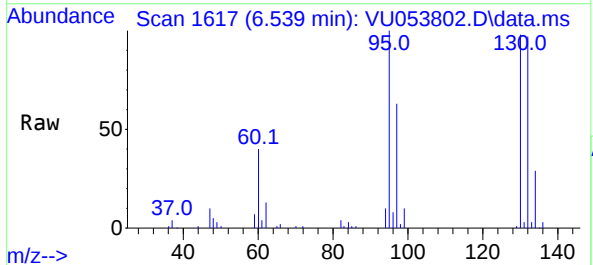
Ion	Ratio	Lower	Upper
97	100		
99	70.8	49.9	74.9
61	26.8	35.7	53.5#

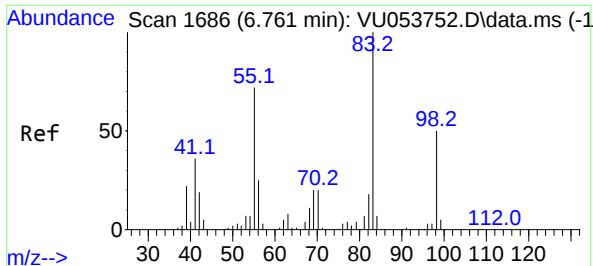


#34
Trichloroethene
Concen: 6.365 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Tgt Ion: 95 Resp: 56900

Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.3	84.1
132	97.1	62.8	116.6
130	97.9	65.1	120.9

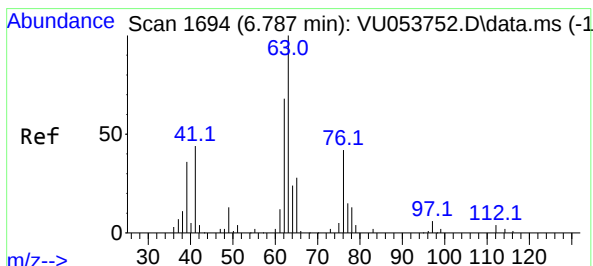
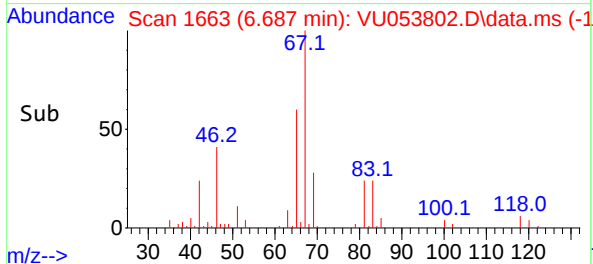
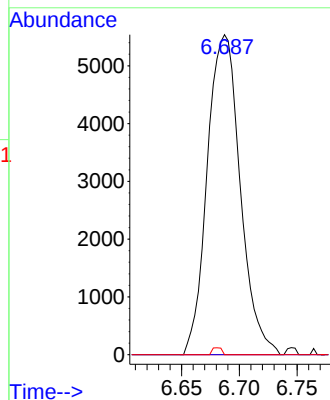
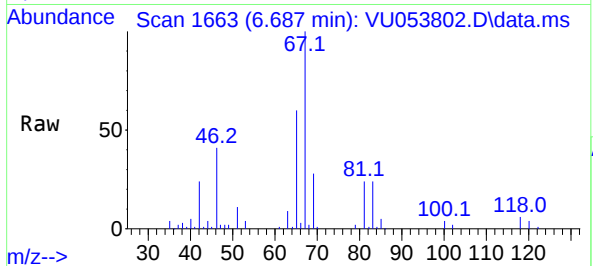




#35
Methylcyclohexane
Concen: 0.717 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

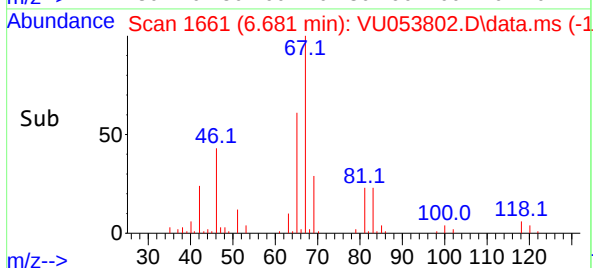
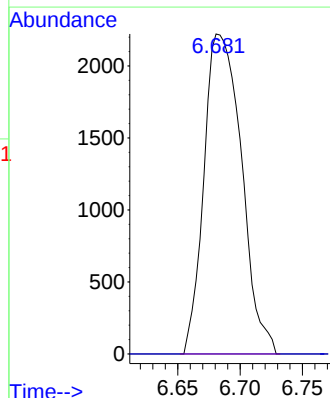
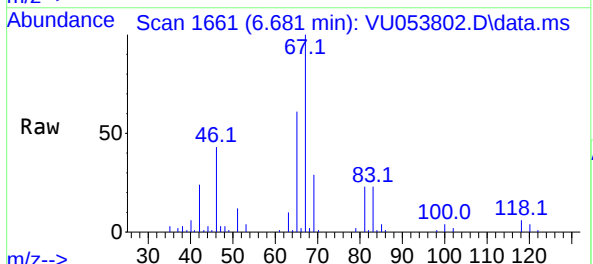
Instrument :
MSVOA_U
ClientSampleId :
BHE20DL

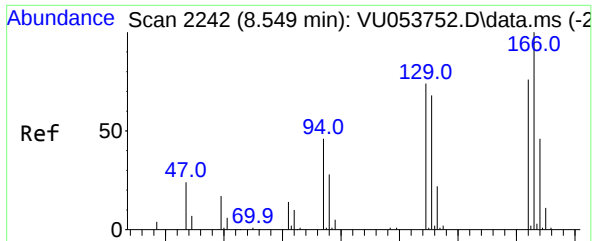
Tgt Ion: 83 Resp: 11003
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 0.6 34.9 52.3#



#37
1,2-Dichloropropane
Concen: 0.525 ug/L
RT: 6.681 min Scan# 1661
Delta R.T. -0.106 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

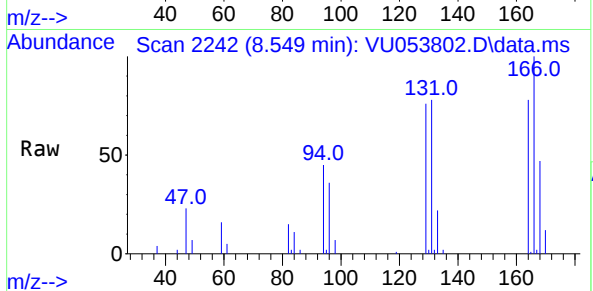
Tgt Ion: 63 Resp: 4655
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#





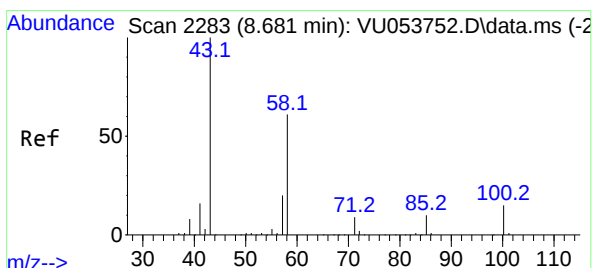
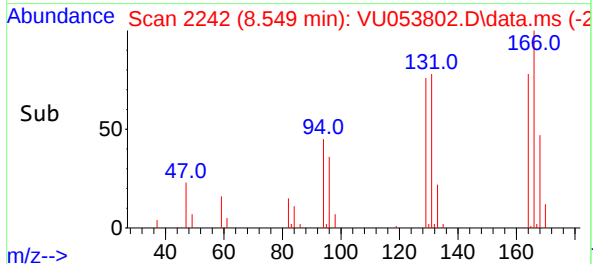
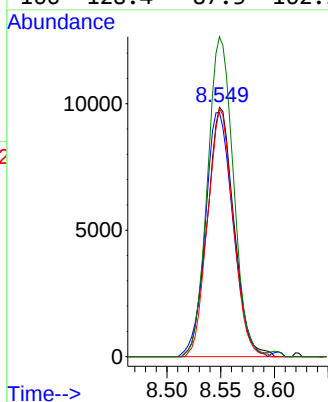
#47
Tetrachloroethene
Concen: 2.610 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Instrument :
MSVOA_U
ClientSampleId :
BHE20DL



Tgt Ion:164 Resp: 17142

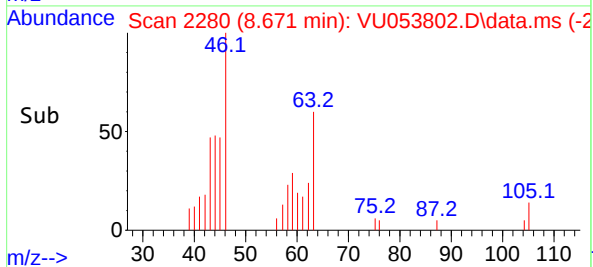
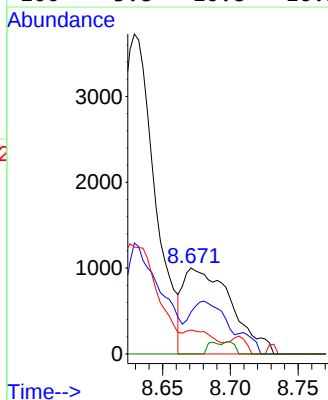
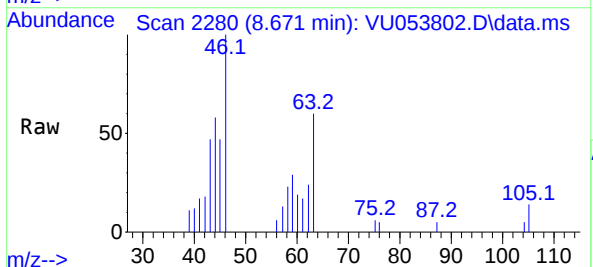
Ion	Ratio	Lower	Upper
164	100		
129	97.9	74.8	138.8
131	99.5	70.1	130.1
166	128.4	87.3	162.1

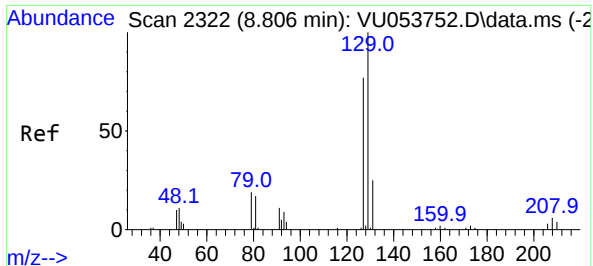


#48
2-Hexanone
Concen: 0.770 ug/L
RT: 8.671 min Scan# 2280
Delta R.T. -0.010 min
Lab File: VU053802.D
Acq: 20 Apr 2023 13:35

Tgt Ion: 43 Resp: 2470

Ion	Ratio	Lower	Upper
43	100		
58	52.8	52.8	79.2#
57	15.9	17.1	25.7#
100	3.8	10.8	16.2#





#49

Dibromochloromethane

Concen: 2.782 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU053802.D

Acq: 20 Apr 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

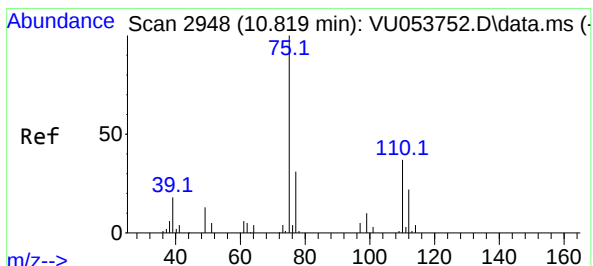
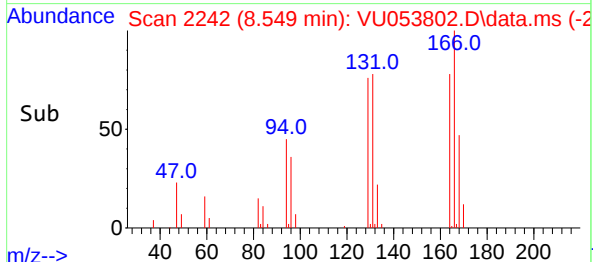
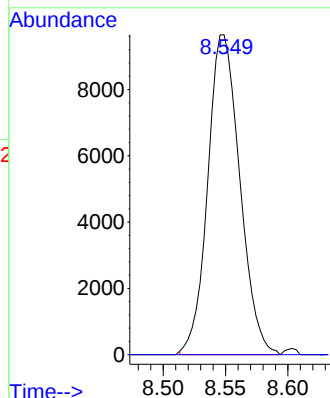
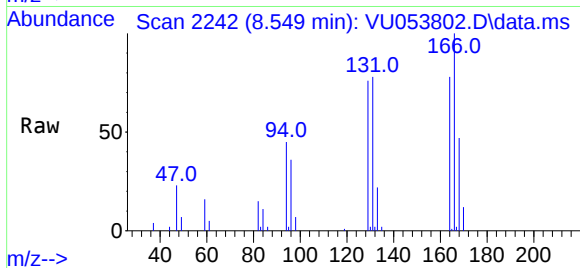
BHE20DL

Tgt Ion:129 Resp: 17313

Ion Ratio Lower Upper

129 100

127 0.0 52.2 97.0#



#61

1,2,3-Trichloropropane

Concen: 1.435 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU053802.D

Acq: 20 Apr 2023 13:35

Tgt Ion: 75 Resp: 7387

Ion Ratio Lower Upper

75 100

110 1.9 30.6 46.0#

77 34.5 26.1 39.1

