

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053847.D
 Acq On : 24 Apr 2023 17:19
 Operator : JC/MD
 Sample : 02392-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE34

Quant Time: Apr 25 05:03:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 05:01:02 2023
 Response via : Initial Calibration

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

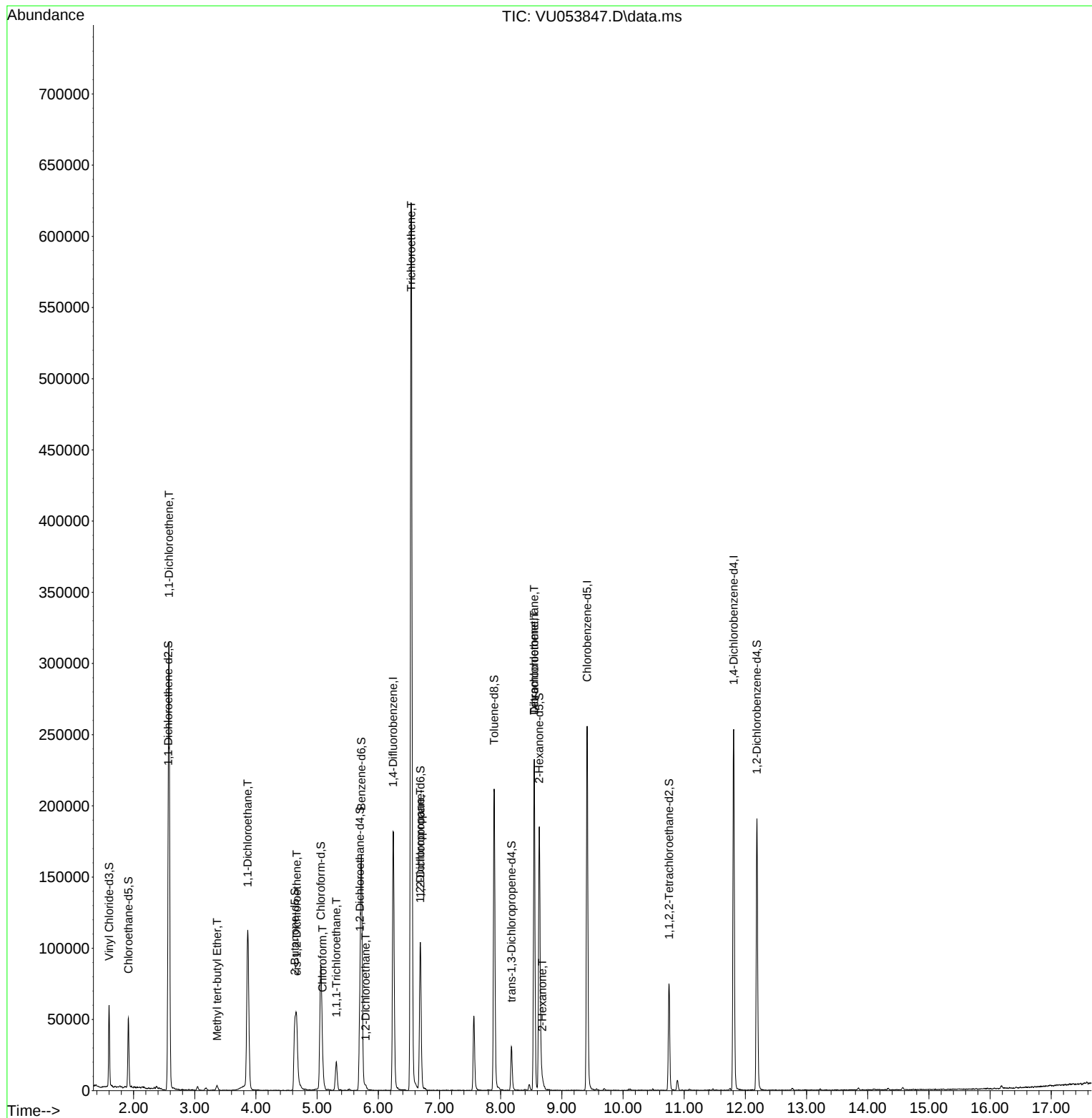
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	159955	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	154122	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	74385	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	43724	4.488	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.916	69	36336	4.444	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.565	65	18227	4.546	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.636	46	83145	46.594	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.180%
24) Chloroform-d	5.060	84	82277	4.482	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.700	65	38939	4.589	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.723	84	167156	4.604	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.687	67	51805	4.716	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.893	98	153045	4.517	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	8.176	79	18822	4.357	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.629	63	70734	46.268	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.540%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	39108	4.406	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	53983	4.525	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.578	96	92996	9.243	ug/L	91
17) Methyl tert-butyl Ether	3.366	73	3373	0.155	ug/L	97
19) 1,1-Dichloroethane	3.864	63	131537	7.149	ug/L	99
22) cis-1,2-Dichloroethene	4.668	96	17755	1.548	ug/L	91
25) Chloroform	5.086	83	16143	0.808	ug/L	97
27) 1,2-Dichloroethane	5.793	62	1995	0.174	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	14314	0.826	ug/L	98
34) Trichloroethene	6.536	95	214583	18.126	ug/L	99
37) 1,2-Dichloropropane	6.684	63	5815	0.540	ug/L #	87
47) Tetrachloroethene	8.549	164	50704	5.404	ug/L	99
48) 2-Hexanone	8.681	43	3037	0.822	ug/L #	54
49) Dibromochloromethane	8.549	129	49143	5.745	ug/L #	10

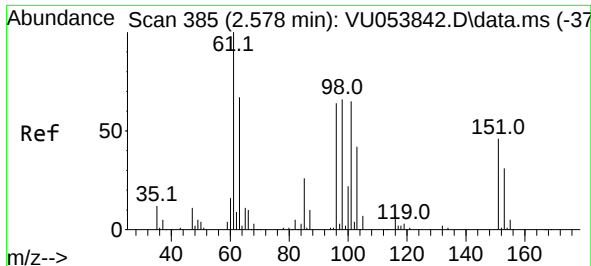
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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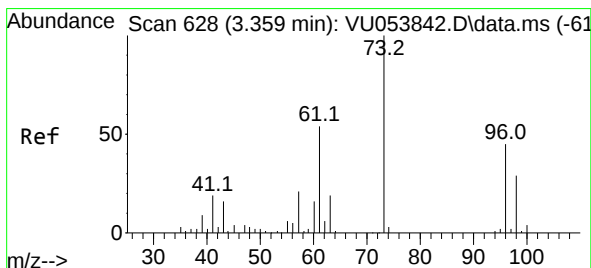
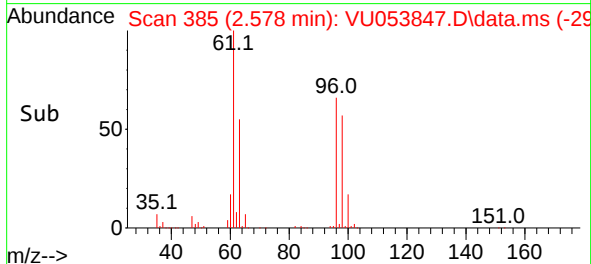
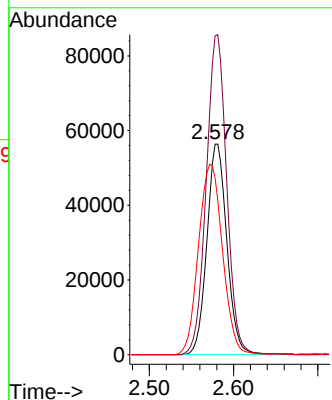
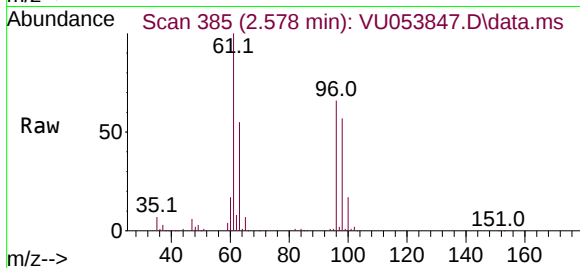




#12
1,1-Dichloroethene
Concen: 9.243 ug/L
RT: 2.578 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053847.D
Acq: 24 Apr 2023 17:19

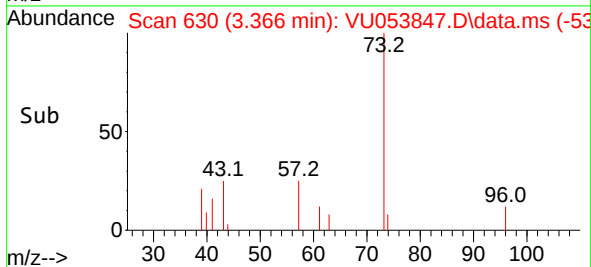
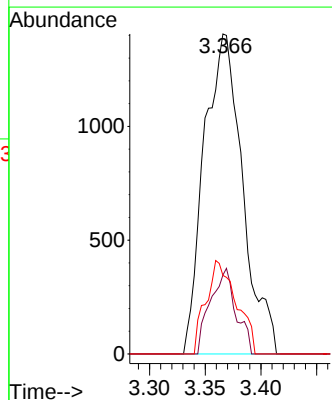
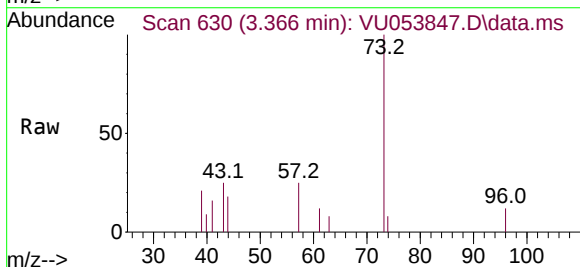
Instrument :
MSVOA_U
ClientSampleId :
BHE34

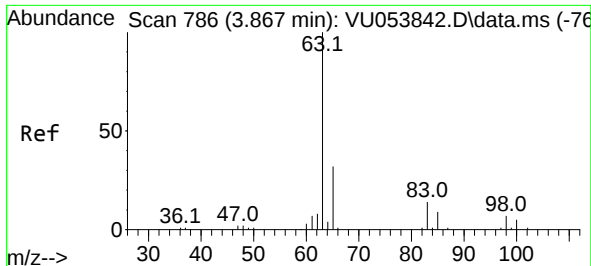
Tgt Ion: 96 Resp: 92996
Ion Ratio Lower Upper
96 100
61 151.4 111.5 207.1
63 84.0 68.7 127.7



#17
Methyl tert-butyl Ether
Concen: 0.155 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.007 min
Lab File: VU053847.D
Acq: 24 Apr 2023 17:19

Tgt Ion: 73 Resp: 3373
Ion Ratio Lower Upper
73 100
43 17.8 13.4 20.2
57 23.1 17.2 25.8

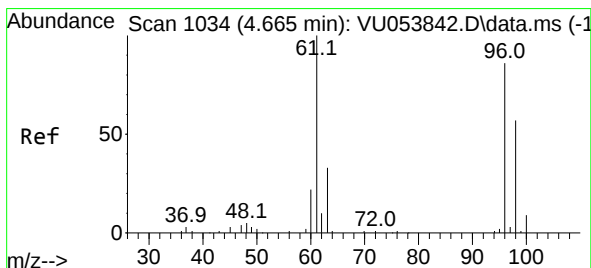
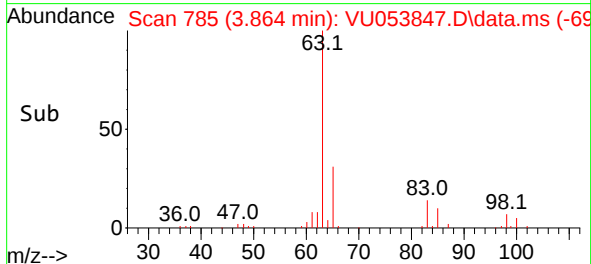
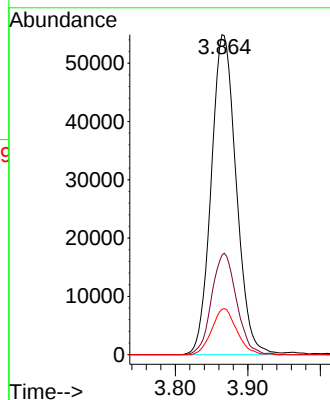
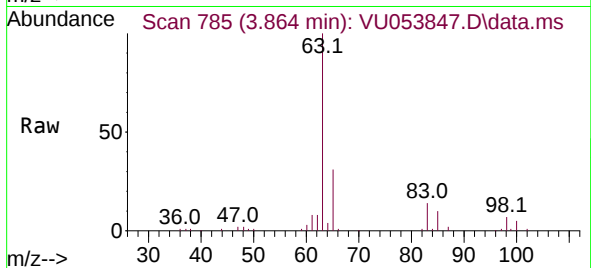




#19
1,1-Dichloroethane
Concen: 7.149 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU053847.D
Acq: 24 Apr 2023 17:19

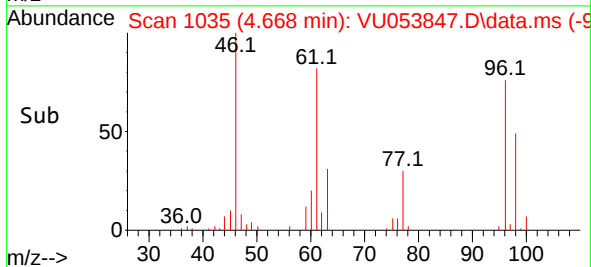
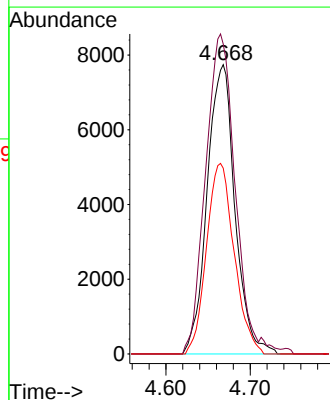
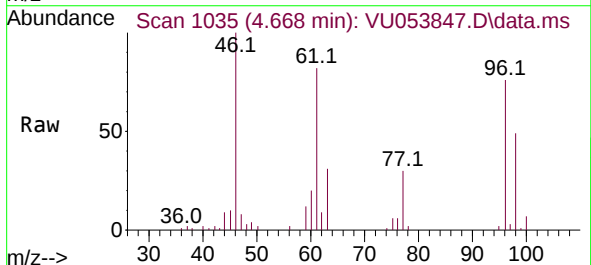
Instrument :
MSVOA_U
ClientSampleId :
BHE34

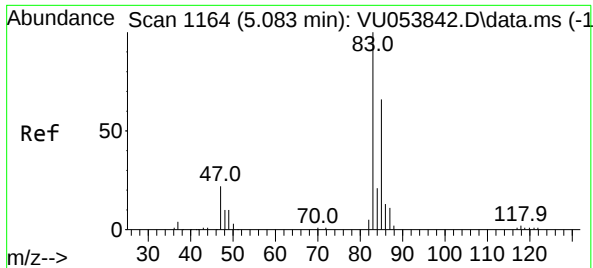
Tgt Ion: 63 Resp: 131537
Ion Ratio Lower Upper
63 100
65 31.1 22.0 40.8
83 14.2 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 1.548 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VU053847.D
Acq: 24 Apr 2023 17:19

Tgt Ion: 96 Resp: 17755
Ion Ratio Lower Upper
96 100
61 107.2 84.3 156.5
98 64.2 46.4 86.2

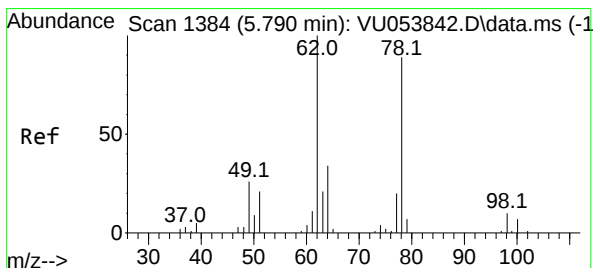
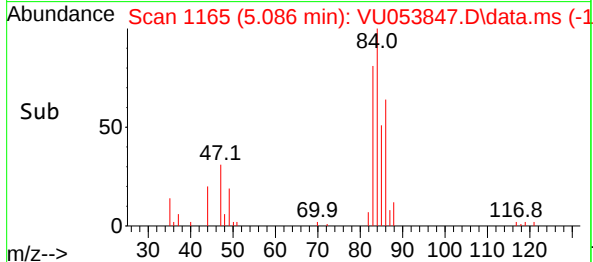
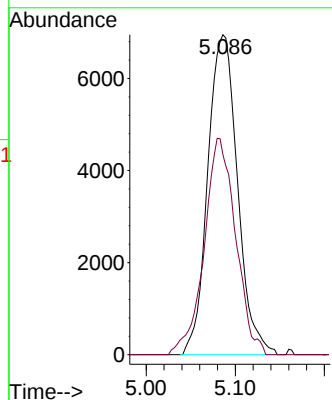
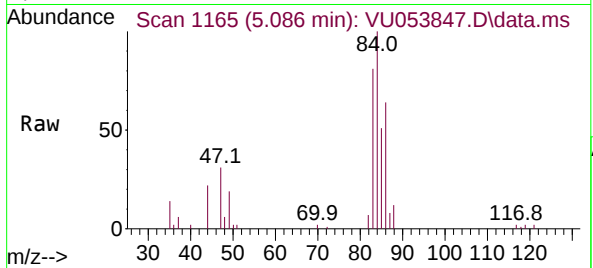




#25
Chloroform
Concen: 0.808 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VU053847.D
Acq: 24 Apr 2023 17:19

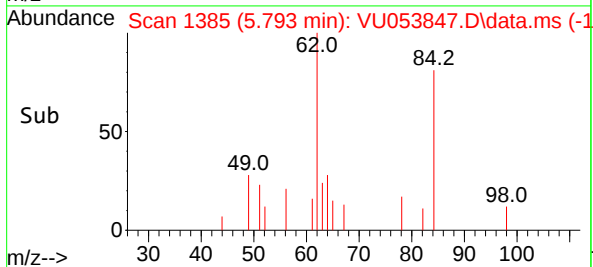
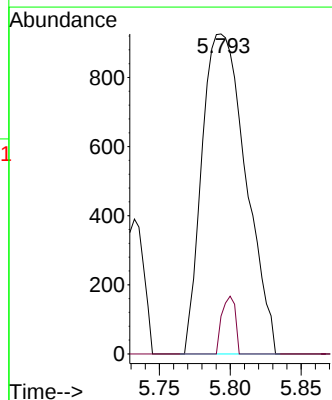
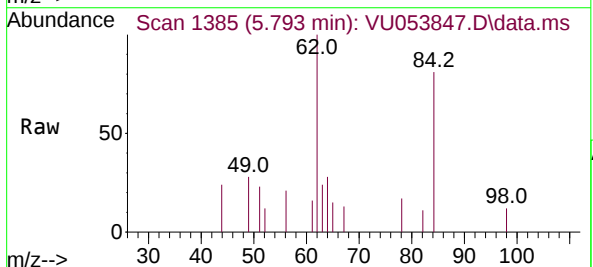
Instrument :
MSVOA_U
ClientSampleId :
BHE34

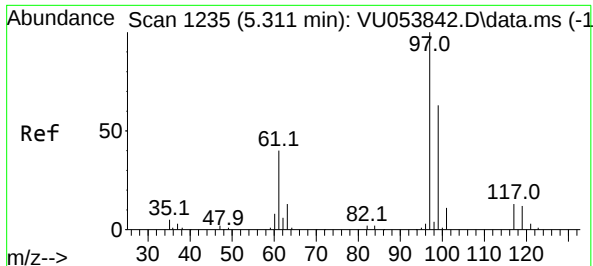
Tgt Ion: 83 Resp: 16143
Ion Ratio Lower Upper
83 100
85 62.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 0.174 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VU053847.D
Acq: 24 Apr 2023 17:19

Tgt Ion: 62 Resp: 1995
Ion Ratio Lower Upper
62 100
98 11.8 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 0.826 ug/L

RT: 5.314 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Instrument :

MSVOA_U

ClientSampleId :

BHE34

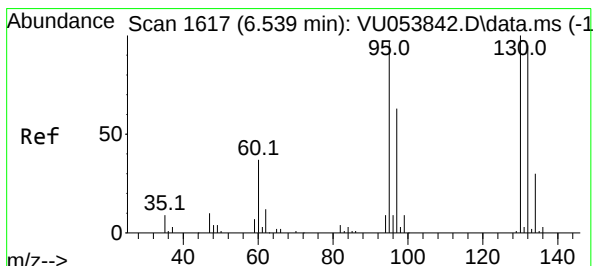
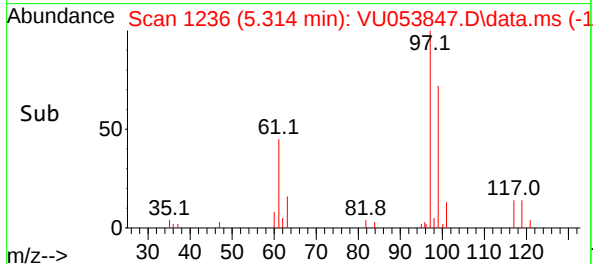
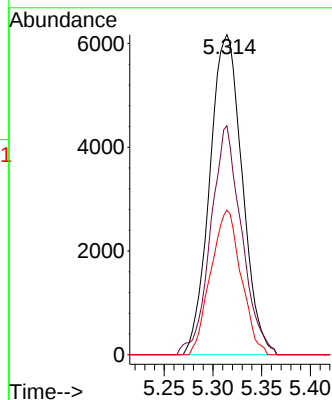
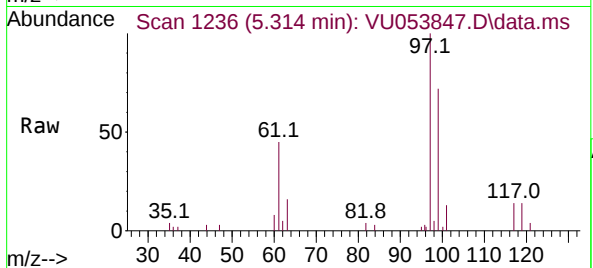
Tgt Ion: 97 Resp: 14314

Ion Ratio Lower Upper

97 100

99 68.1 52.9 79.3

61 42.2 33.8 50.8



#34

Trichloroethene

Concen: 18.126 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Tgt Ion: 95 Resp: 214583

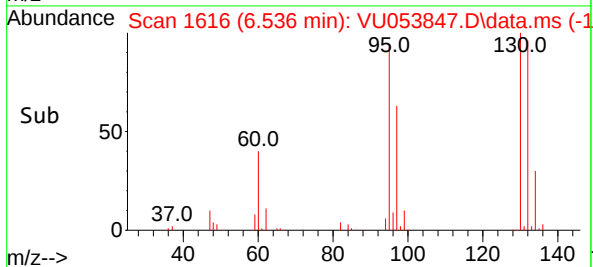
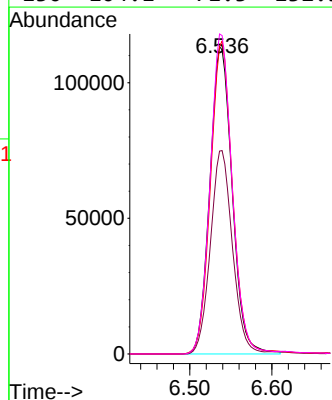
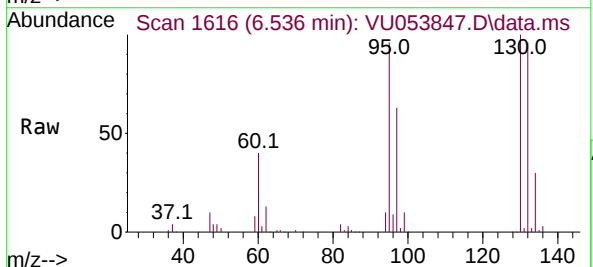
Ion Ratio Lower Upper

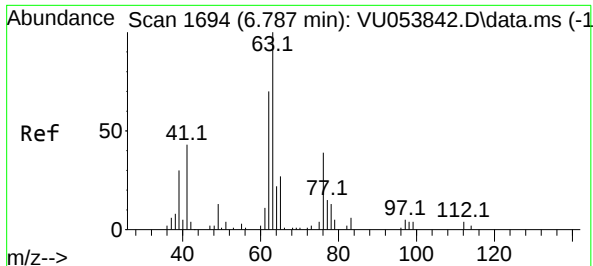
95 100

97 66.0 45.1 83.9

132 100.0 69.9 129.9

130 104.1 71.3 132.3





#37

1,2-Dichloropropane

Concen: 0.540 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU053847.D

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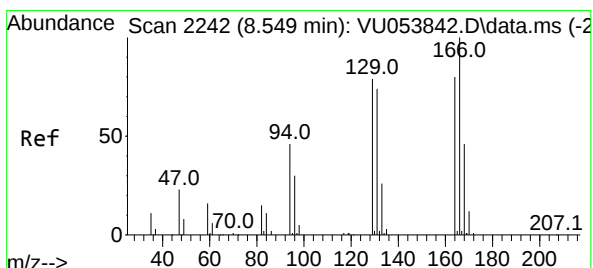
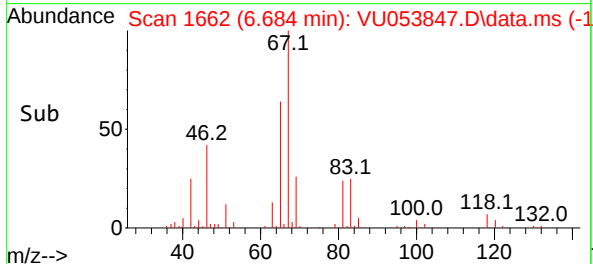
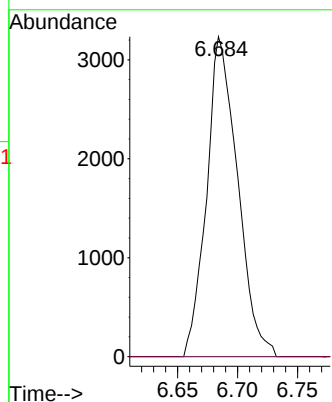
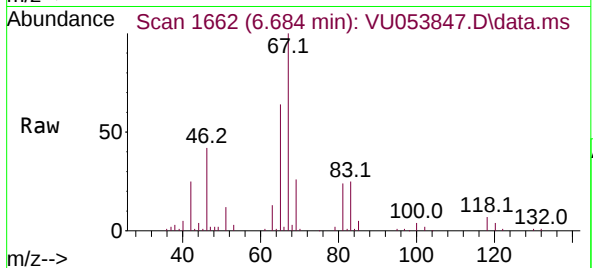
BHE34

Tgt Ion: 63 Resp: 5815

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#47

Tetrachloroethene

Concen: 5.404 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Tgt Ion: 164 Resp: 50704

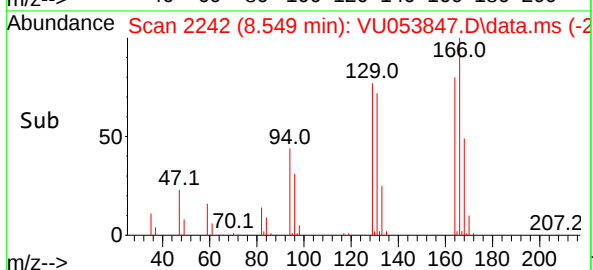
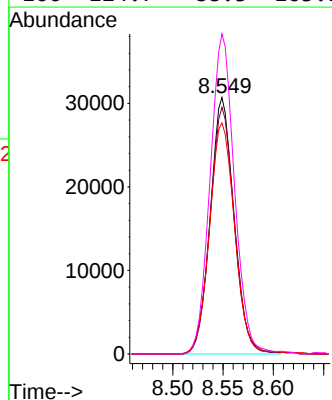
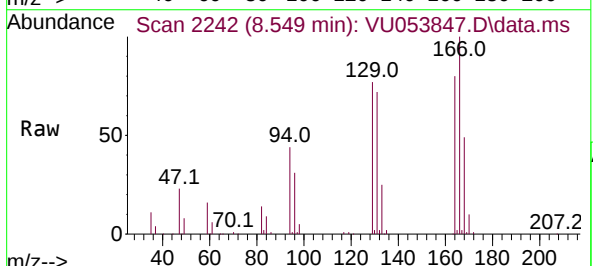
Ion Ratio Lower Upper

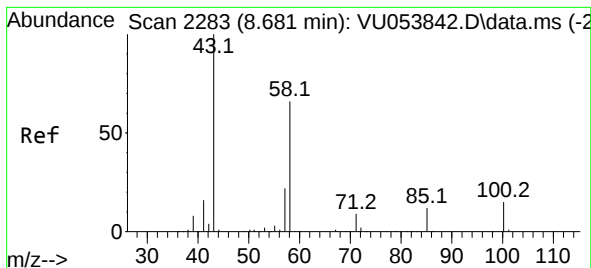
164 100

129 96.1 68.3 126.8

131 90.0 64.4 119.6

166 124.7 88.3 163.9





#48

2-Hexanone

Concen: 0.822 ug/L

RT: 8.681 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Instrument :

MSVOA_U

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Tgt Ion: 43 Resp: 3037

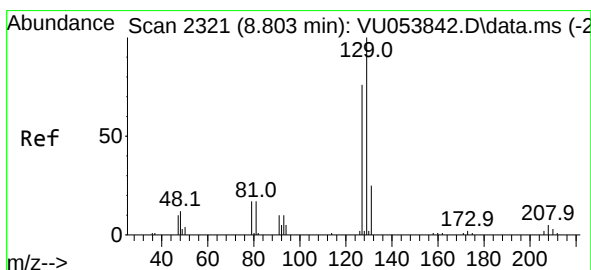
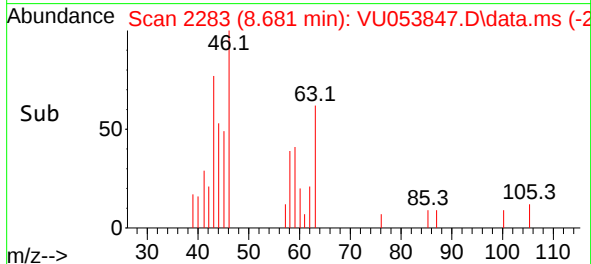
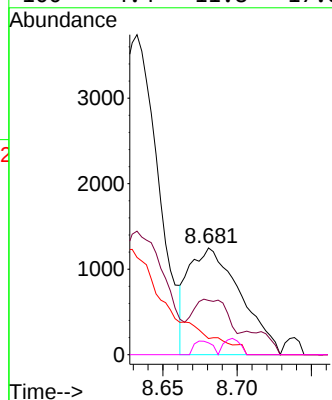
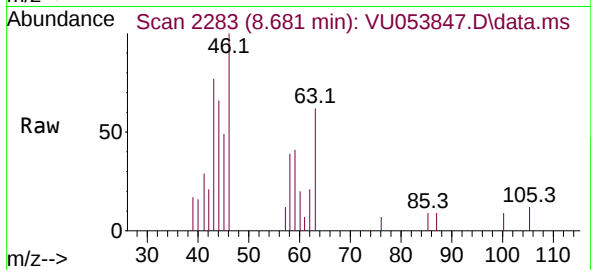
Ion Ratio Lower Upper

43 100

58 22.5 49.8 74.6#

57 0.0 16.9 25.3#

100 4.4 11.8 17.8#



#49

Dibromochloromethane

Concen: 5.745 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.254 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Tgt Ion:129 Resp: 49143

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#

