

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042623\
 Data File : VU053913.D
 Acq On : 26 Apr 2023 14:56
 Operator : JC/MD
 Sample : 02433-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHE41

Quant Time: Apr 27 05:55:45 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)

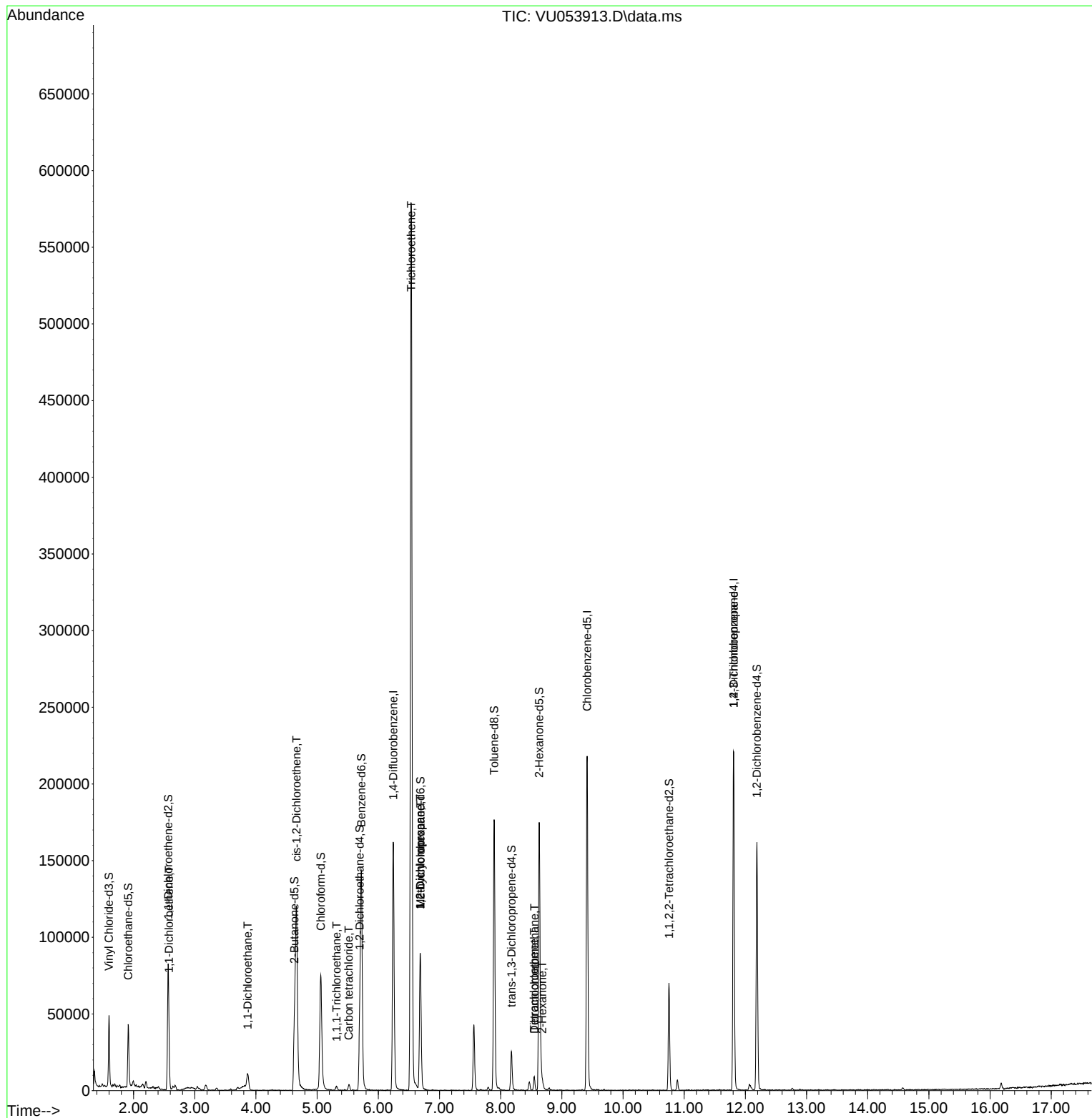
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	139886	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	131533	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	62614	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	31280	3.671	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.912	69	29668	4.149	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.565	65	14215	4.054	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	4.629	46	76258	48.866	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.740%
24) Chloroform-d	5.060	84	71778	4.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%
26) 1,2-Dichloroethane-d4	5.697	65	34984	4.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.723	84	143752	4.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.687	67	46622	4.973	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.893	98	125281	4.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	8.176	79	15769	4.277	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.629	63	63324	48.535	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.060%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	34309	4.529	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	44700	4.451	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	2298	0.261	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	10281	0.639	ug/L	97
22) cis-1,2-Dichloroethene	4.662	96	58593	5.842	ug/L	93
29) 1,1,1-Trichloroethane	5.317	97	1830	0.124	ug/L	97
31) Carbon tetrachloride	5.517	117	2766	0.215	ug/L	99
34) Trichloroethene	6.536	95	199232	19.720	ug/L	99
35) Methylcyclohexane	6.687	83	10827	0.694	ug/L #	21
37) 1,2-Dichloropropane	6.684	63	4893	0.532	ug/L #	87
47) Tetrachloroethene	8.549	164	1907	0.238	ug/L	96
48) 2-Hexanone	8.681	43	2418	0.767	ug/L #	77
49) Dibromochloromethane	8.552	129	1832	0.251	ug/L #	10
61) 1,2,3-Trichloropropane	11.809	75	6987	1.447	ug/L #	66

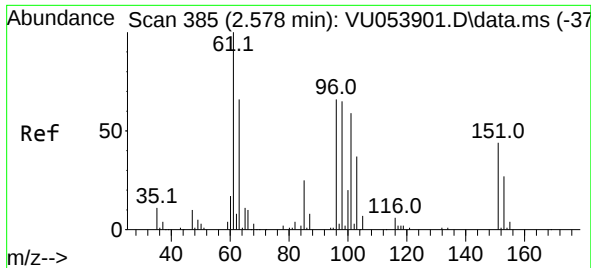
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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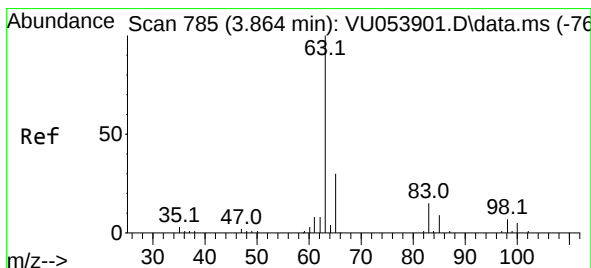
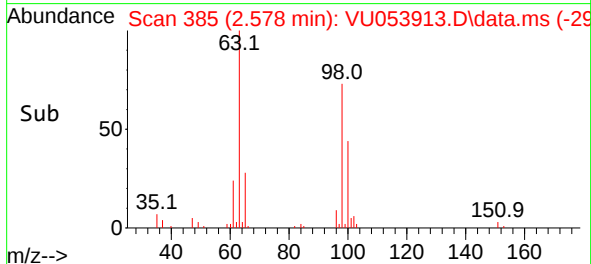
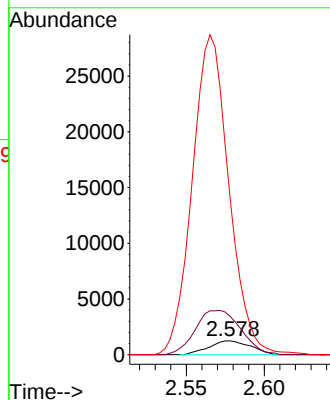
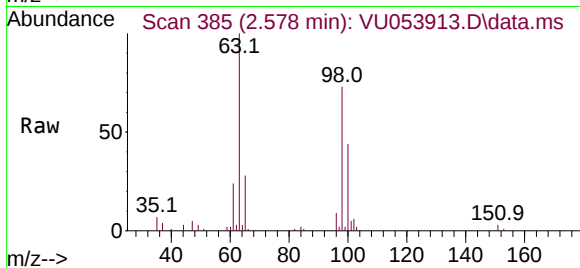




#12
1,1-Dichloroethene
Concen: 0.261 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

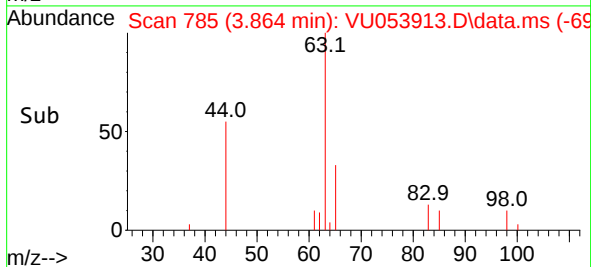
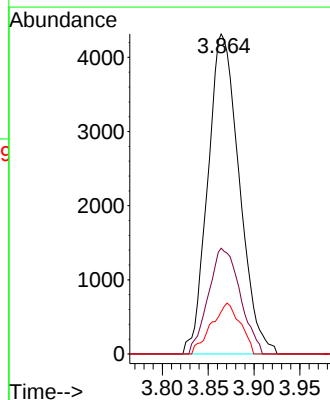
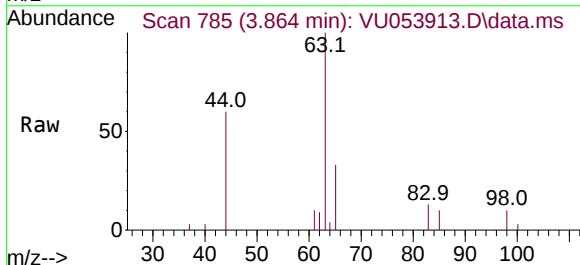
Instrument :
MSVOA_U
ClientSampleId :
BHE41

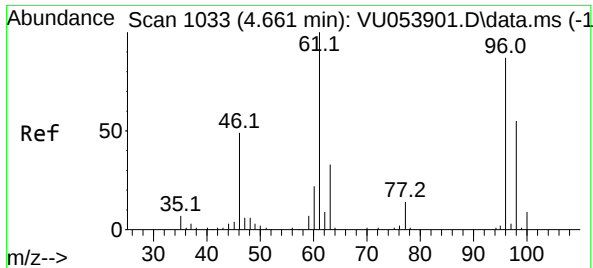
Tgt Ion: 96 Resp: 2298
Ion Ratio Lower Upper
96 100
61 276.2 111.5 207.1#
63 1130.1 68.7 127.7#



#19
1,1-Dichloroethane
Concen: 0.639 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

Tgt Ion: 63 Resp: 10281
Ion Ratio Lower Upper
63 100
65 33.1 22.0 40.8
83 13.2 10.3 19.1





#22

cis-1,2-Dichloroethene

Concen: 5.842 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053913.D

Acq: 26 Apr 2023 14:56

Instrument :

MSVOA_U

ClientSampleId :

BHE41

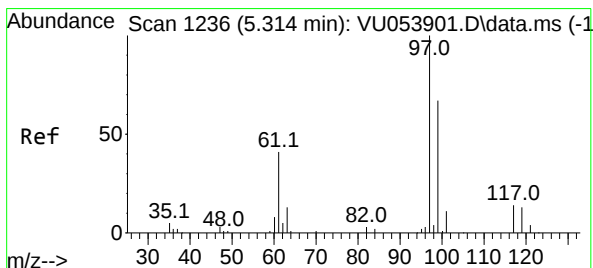
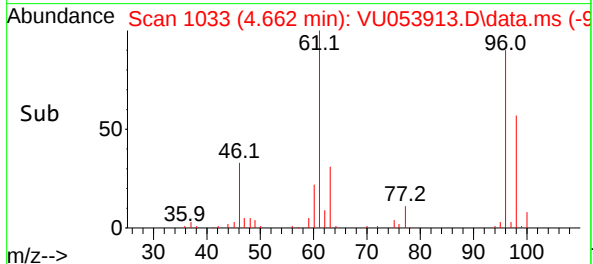
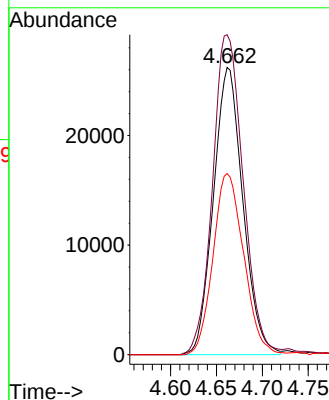
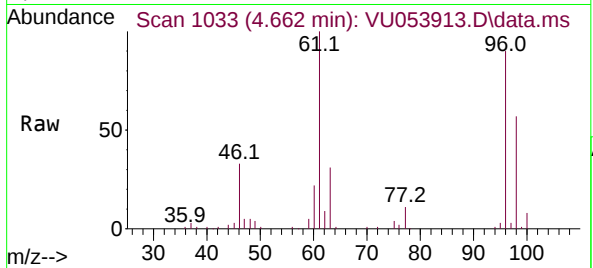
Tgt Ion: 96 Resp: 58593

Ion Ratio Lower Upper

96 100

61 111.4 84.3 156.5

98 63.1 46.4 86.2



#29

1,1,1-Trichloroethane

Concen: 0.124 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU053913.D

Acq: 26 Apr 2023 14:56

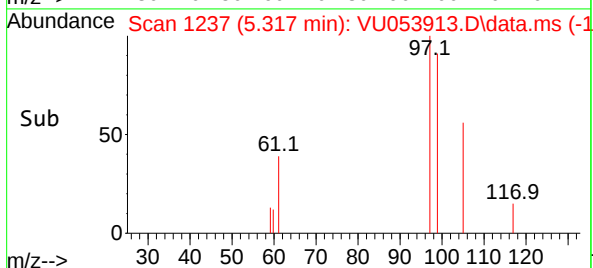
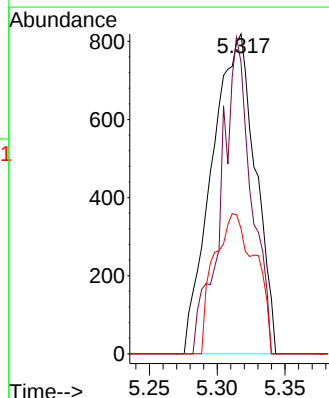
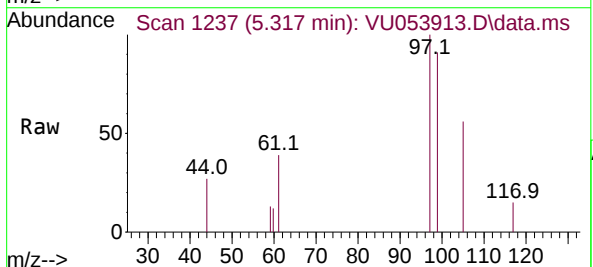
Tgt Ion: 97 Resp: 1830

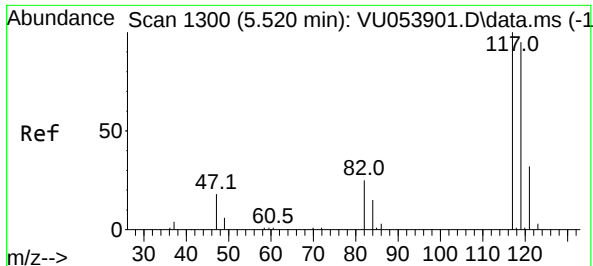
Ion Ratio Lower Upper

97 100

99 69.2 52.9 79.3

61 41.4 33.8 50.8

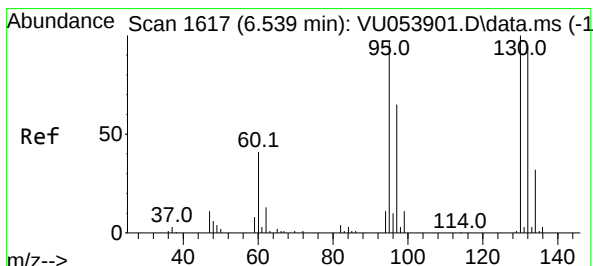
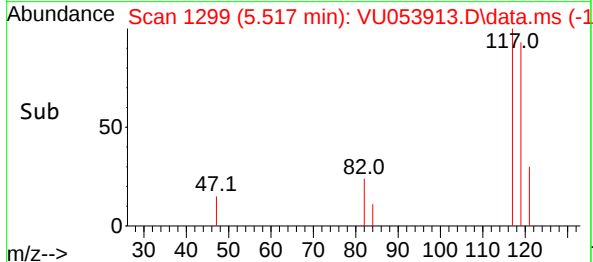
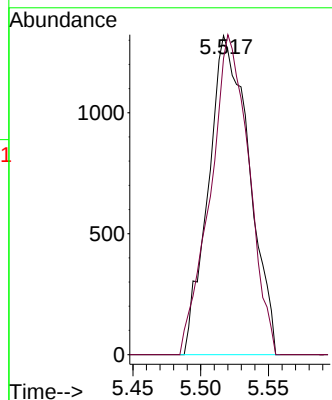
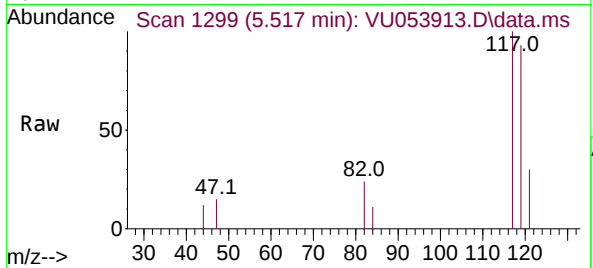




#31
Carbon tetrachloride
Concen: 0.215 ug/L
RT: 5.517 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

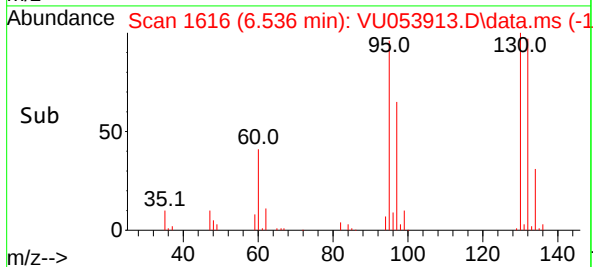
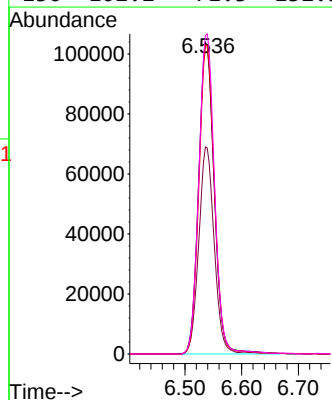
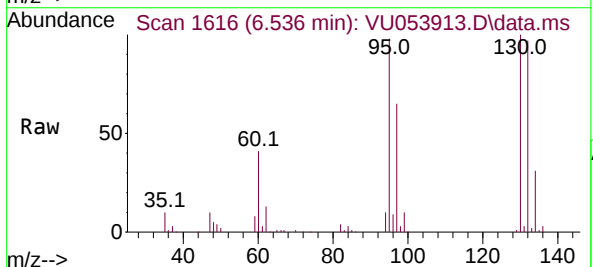
Instrument :
MSVOA_U
ClientSampleId :
BHE41

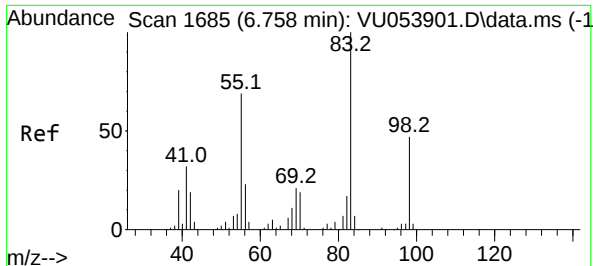
Tgt Ion:117 Resp: 2766
Ion Ratio Lower Upper
117 100
119 94.8 75.0 112.6



#34
Trichloroethene
Concen: 19.720 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

Tgt Ion: 95 Resp: 199232
Ion Ratio Lower Upper
95 100
97 66.5 45.1 83.9
132 99.1 69.9 129.9
130 102.2 71.3 132.3

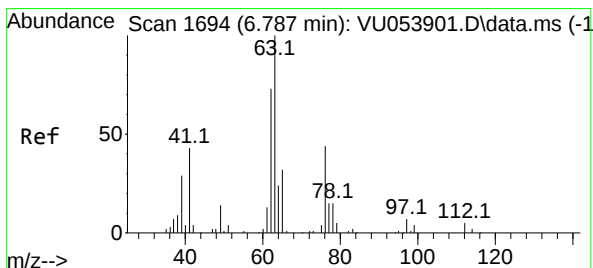
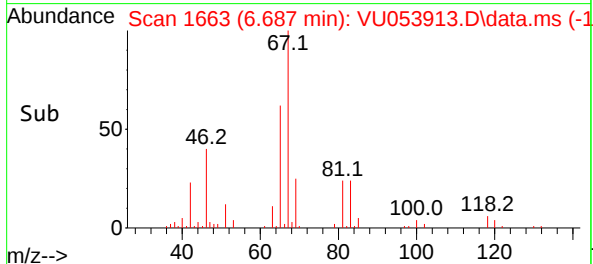
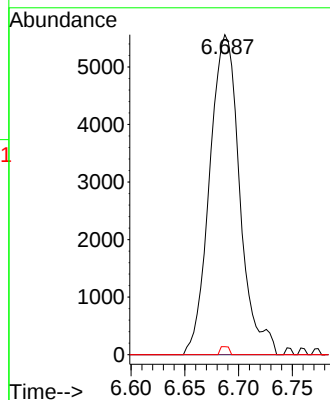
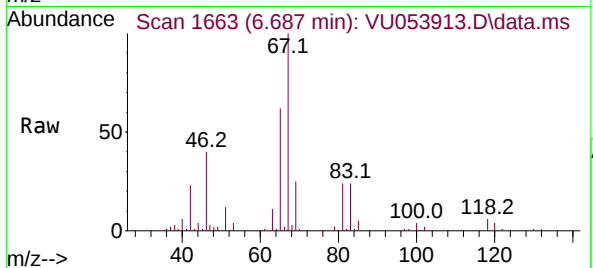




#35
Methylcyclohexane
Concen: 0.694 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.071 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

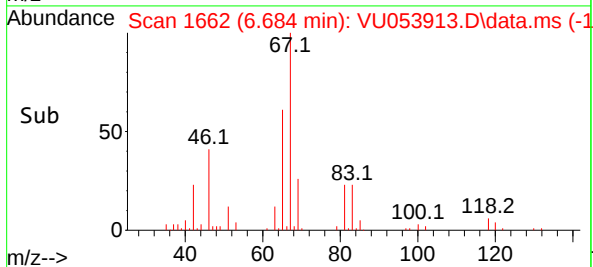
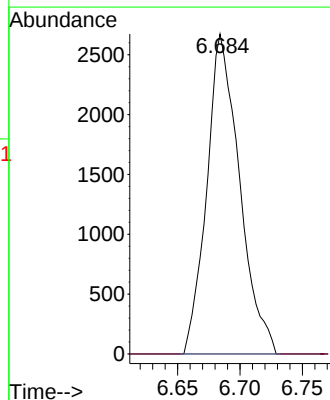
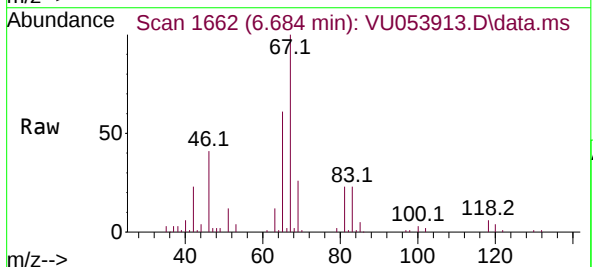
Instrument :
MSVOA_U
ClientSampleId :
BHE41

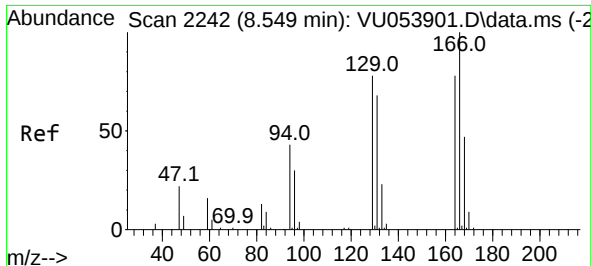
Tgt Ion: 83 Resp: 10827
Ion Ratio Lower Upper
83 100
55 0.0 55.4 83.2#
98 0.0 37.3 55.9#



#37
1,2-Dichloropropane
Concen: 0.532 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

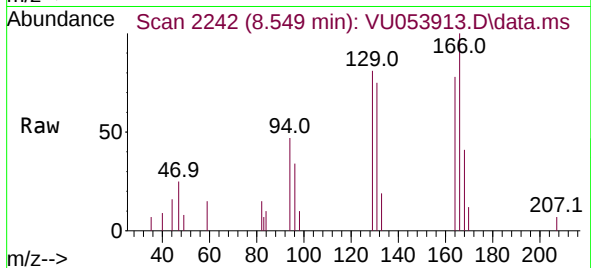
Tgt Ion: 63 Resp: 4893
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



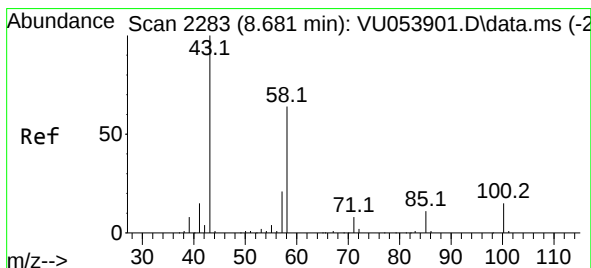
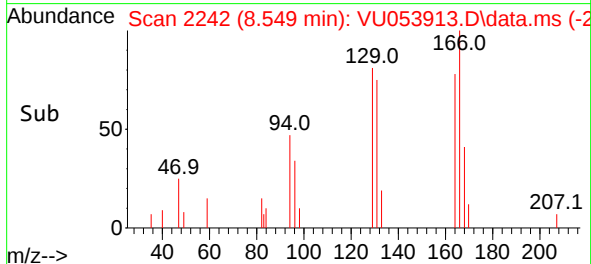
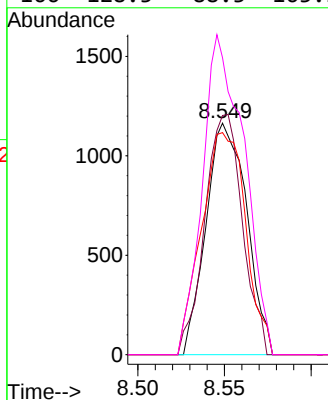


#47
Tetrachloroethene
Concen: 0.238 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

Instrument :
MSVOA_U
ClientSampleId :
BHE41

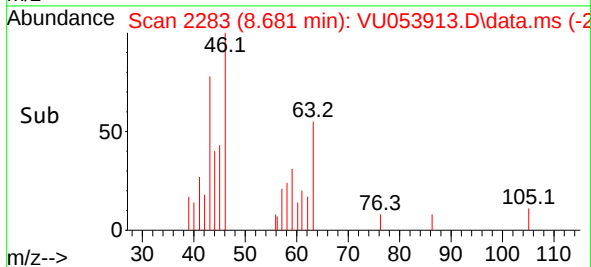
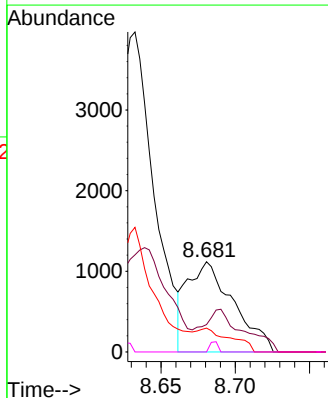
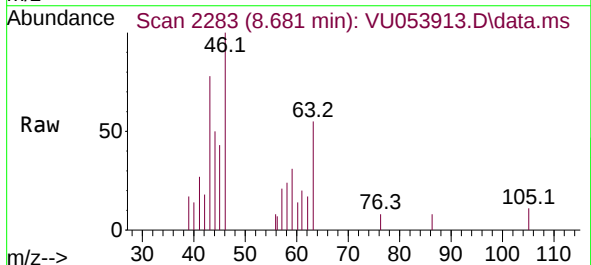


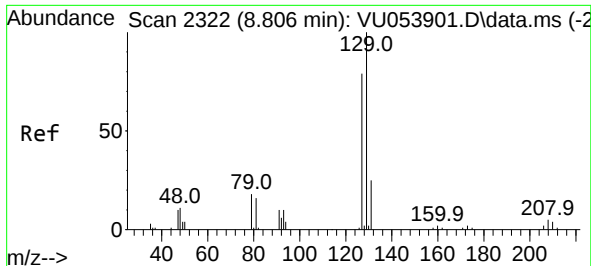
Tgt	Ion:164	Resp:	1907
Ion	Ratio	Lower	Upper
164	100		
129	103.4	68.3	126.8
131	96.0	64.4	119.6
166	128.3	88.3	163.9



#48
2-Hexanone
Concen: 0.767 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VU053913.D
Acq: 26 Apr 2023 14:56

Tgt Ion: 43	Resp:	2418	
Ion	Ratio	Lower	Upper
43	100		
58	40.7	49.8	74.6#
57	19.2	16.9	25.3
100	2.0	11.8	17.8#





#49

Dibromochloromethane

Concen: 0.251 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU053913.D

Acq: 26 Apr 2023 14:56

Instrument :

MSVOA_U

ClientSampleId :

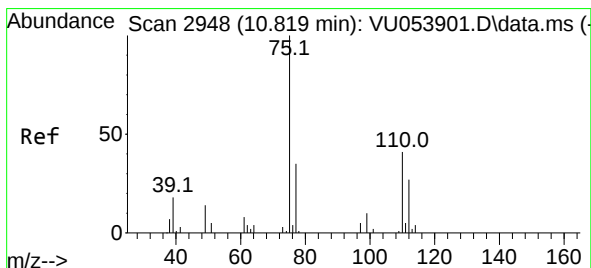
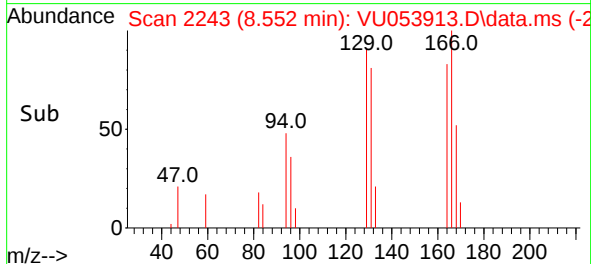
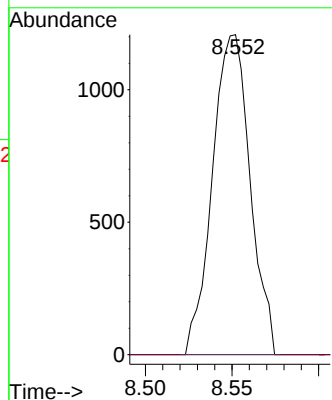
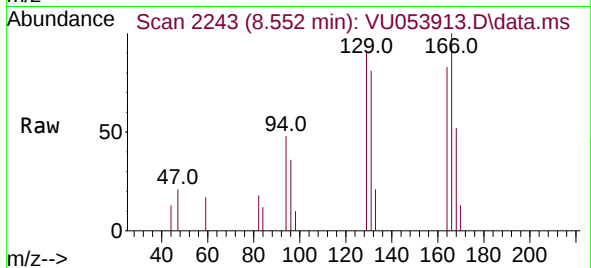
BHE41

Tgt Ion:129 Resp: 1832

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#61

1,2,3-Trichloropropane

Concen: 1.447 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU053913.D

Acq: 26 Apr 2023 14:56

Tgt Ion: 75 Resp: 6987

Ion Ratio Lower Upper

75 100

110 1.6 30.7 46.1#

77 34.7 26.2 39.4

