

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083023\
 Data File : VU054999.D
 Acq On : 30 Aug 2023 15:14
 Operator : MD/SY
 Sample : 04230-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH490

Quant Time: Aug 31 02:37:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 31 02:34:15 2023
 Response via : Initial Calibration

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

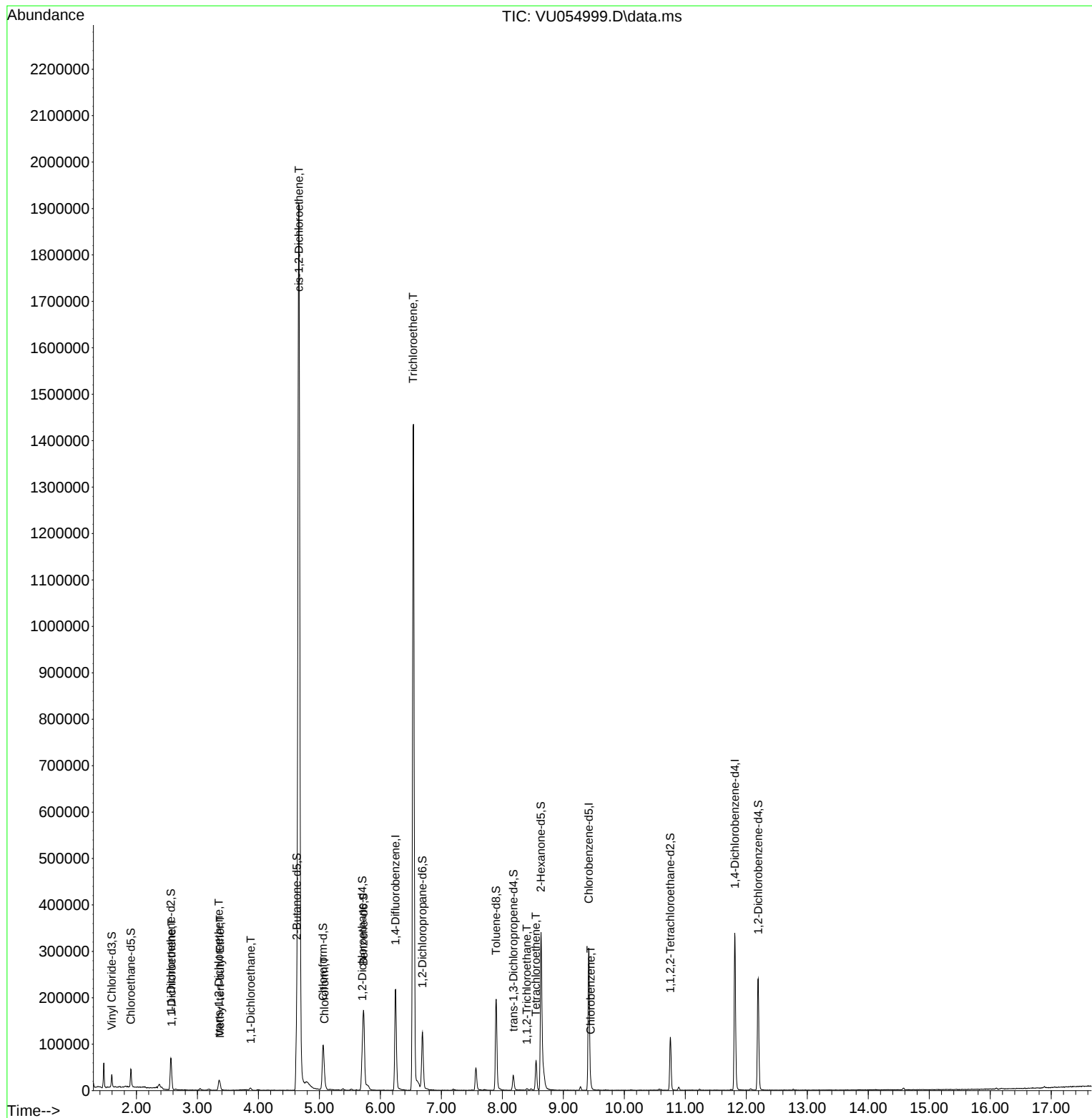
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	170343	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	166047	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	87150	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	18012	3.350	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.000%
7) Chloroethane-d5	1.908	69	26796	3.858	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.200%
11) 1,1-Dichloroethene-d2	2.563	65	11590	3.814	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.200%
20) 2-Butanone-d5	4.628	46	169694	58.473	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.940%
24) Chloroform-d	5.059	84	86216	4.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.702	65	50961	4.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.724	84	153328	4.108	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.689	67	57838	4.406	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.898	98	134888	3.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.400%
43) trans-1,3-Dichloroprop...	8.181	79	17142	3.968	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.631	63	113937	55.566	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.140%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	58246	5.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	61305	4.406	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	4606	0.599	ug/L #	2
17) Methyl tert-butyl Ether	3.367	73	13441	0.600	ug/L #	65
18) trans-1,2-Dichloroethene	3.351	96	4782	0.569	ug/L	99
19) 1,1-Dichloroethane	3.872	63	5683	0.322	ug/L #	90
22) cis-1,2-Dichloroethene	4.663	96	971327	96.928	ug/L	95
25) Chloroform	5.081	83	8800	0.455	ug/L	85
34) Trichloroethene	6.538	95	489374	45.080	ug/L	96
45) 1,1,2-Trichloroethane	8.399	97	1131	0.153	ug/L #	59
47) Tetrachloroethene	8.550	164	13587	1.742	ug/L	96
51) Chlorobenzene	9.447	112	3897	0.138	ug/L	93

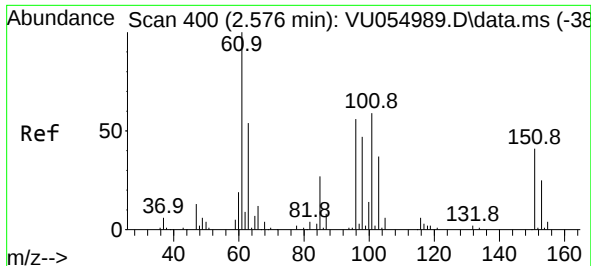
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.599 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU054999.D

Acq: 30 Aug 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

BH490

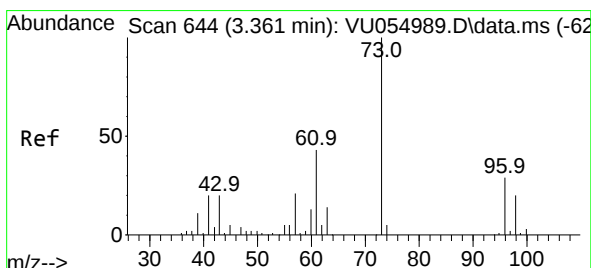
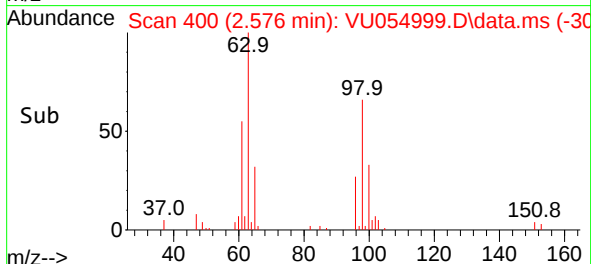
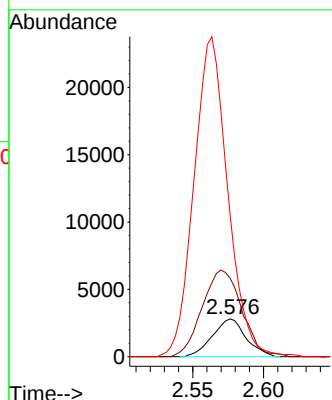
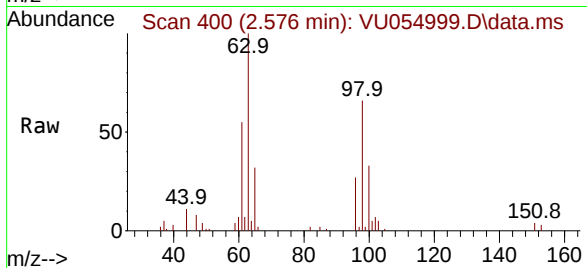
Tgt Ion: 96 Resp: 4606

Ion Ratio Lower Upper

96 100

61 207.3 132.4 245.8

63 375.7 82.5 153.1#



#17

Methyl tert-butyl Ether

Concen: 0.600 ug/L

RT: 3.367 min Scan# 646

Delta R.T. 0.006 min

Lab File: VU054999.D

Acq: 30 Aug 2023 15:14

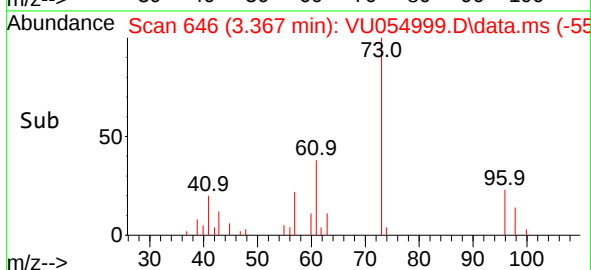
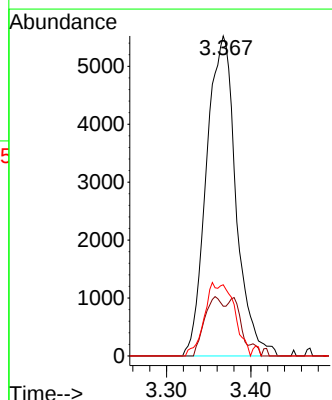
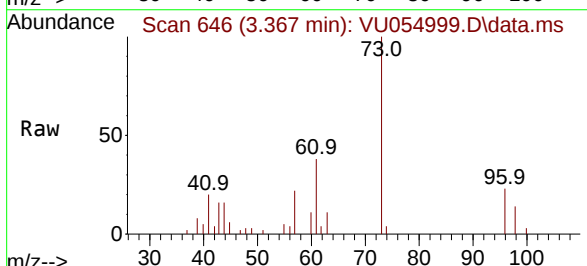
Tgt Ion: 73 Resp: 13441

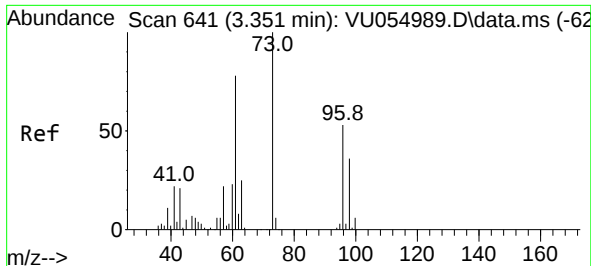
Ion Ratio Lower Upper

73 100

43 8.7 16.2 24.2#

57 0.6 17.4 26.0#

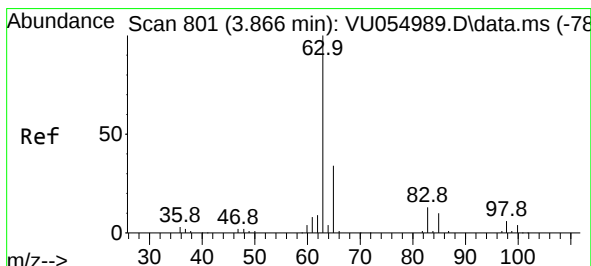
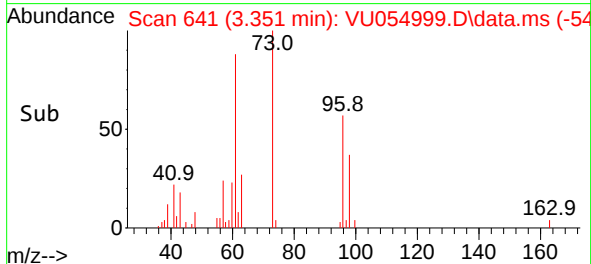
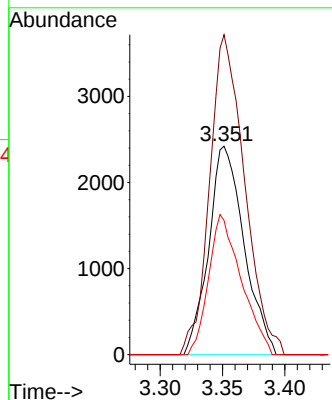
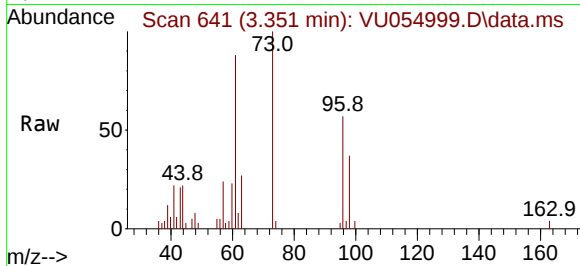




#18
trans-1,2-Dichloroethene
Concen: 0.569 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054999.D
Acq: 30 Aug 2023 15:14

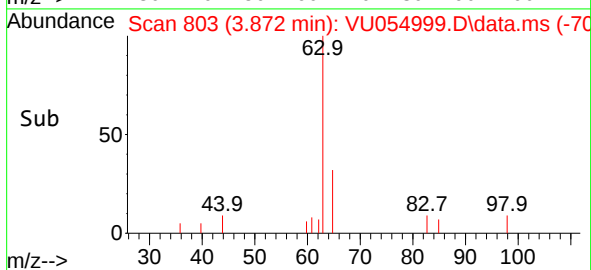
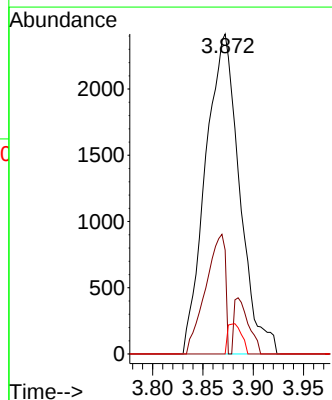
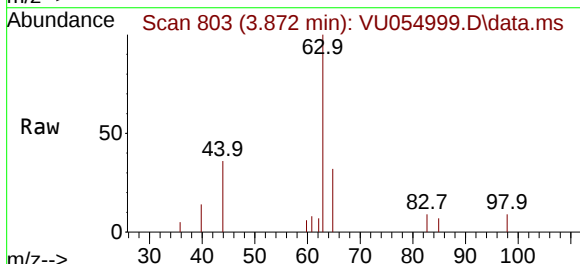
Instrument :
MSVOA_U
ClientSampleId :
BH490

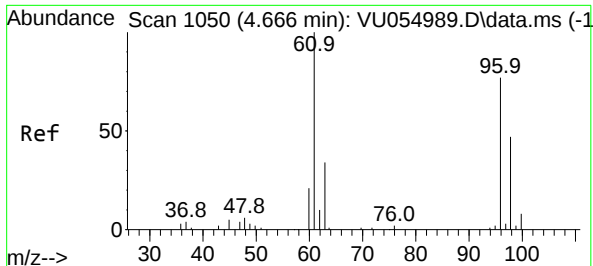
Tgt Ion: 96 Resp: 4782
Ion Ratio Lower Upper
96 100
61 153.5 108.8 202.0
98 64.4 45.8 85.2



#19
1,1-Dichloroethane
Concen: 0.322 ug/L
RT: 3.872 min Scan# 803
Delta R.T. 0.006 min
Lab File: VU054999.D
Acq: 30 Aug 2023 15:14

Tgt Ion: 63 Resp: 5683
Ion Ratio Lower Upper
63 100
65 32.5 22.5 41.7
83 0.0 9.5 17.7#

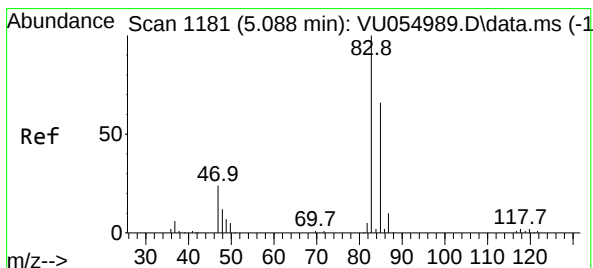
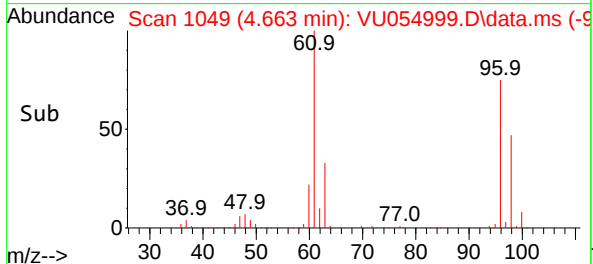
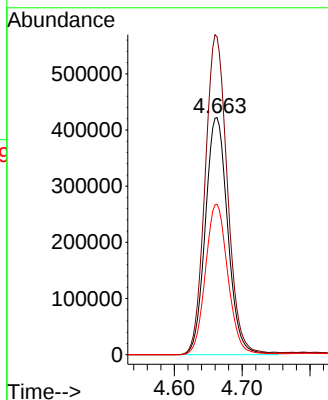
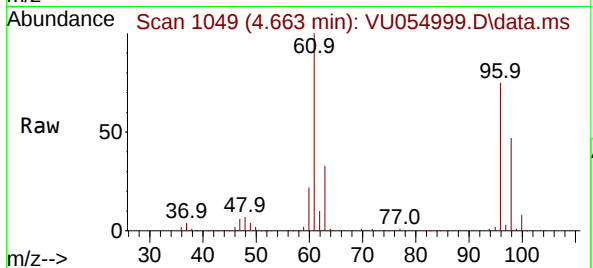




#22
 cis-1,2-Dichloroethene
 Concen: 96.928 ug/L
 RT: 4.663 min Scan# 1179
 Delta R.T. -0.003 min
 Lab File: VU054999.D
 Acq: 30 Aug 2023 15:14

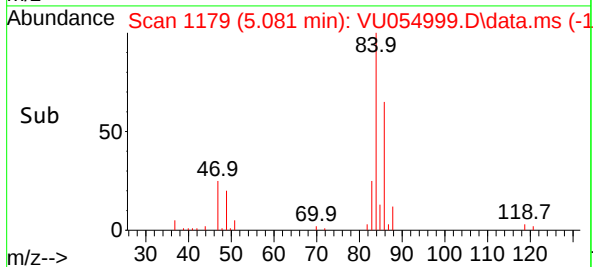
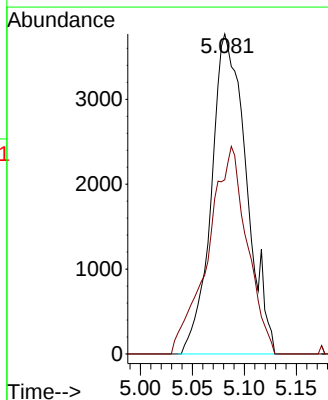
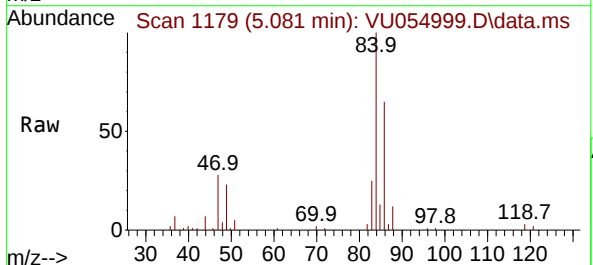
Instrument :
 MSVOA_U
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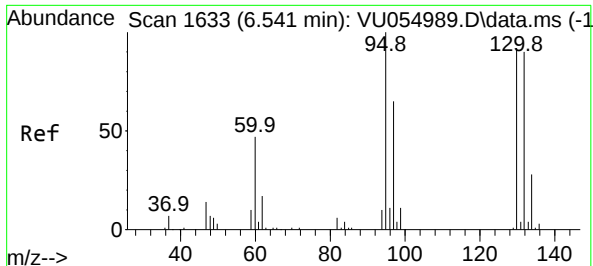
Tgt Ion: 96 Resp: 971327
 Ion Ratio Lower Upper
 96 100
 61 134.0 88.4 164.2
 98 63.4 44.0 81.6



#25
 Chloroform
 Concen: 0.455 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. -0.007 min
 Lab File: VU054999.D
 Acq: 30 Aug 2023 15:14

Tgt Ion: 83 Resp: 8800
 Ion Ratio Lower Upper
 83 100
 85 54.4 46.7 86.7





#34

Trichloroethene

Concen: 45.080 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054999.D

Acq: 30 Aug 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

BH490

Tgt Ion: 95 Resp: 489374

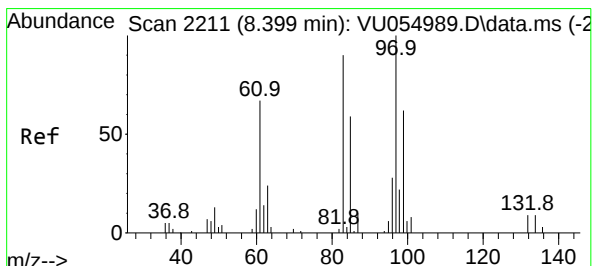
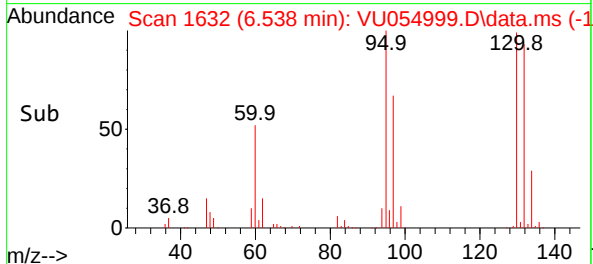
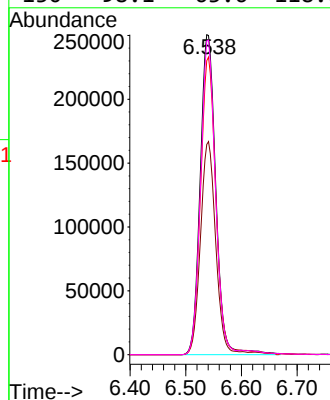
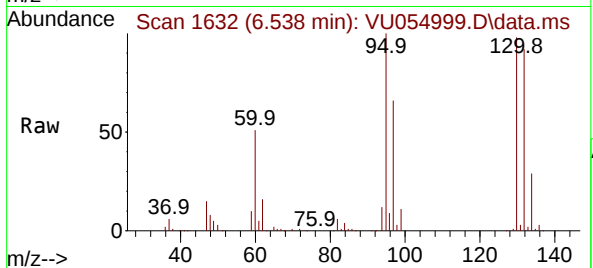
Ion Ratio Lower Upper

95 100

97 65.7 44.1 81.9

132 91.9 63.6 118.2

130 98.1 63.6 118.0



#45

1,1,2-Trichloroethane

Concen: 0.153 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. -0.000 min

Lab File: VU054999.D

Acq: 30 Aug 2023 15:14

Tgt Ion: 97 Resp: 1131

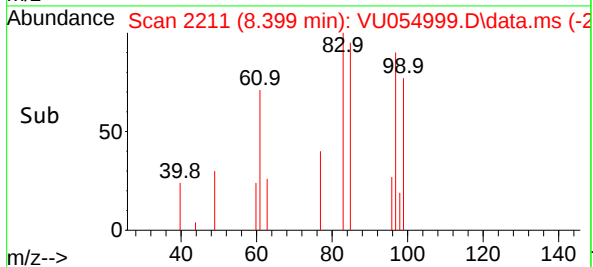
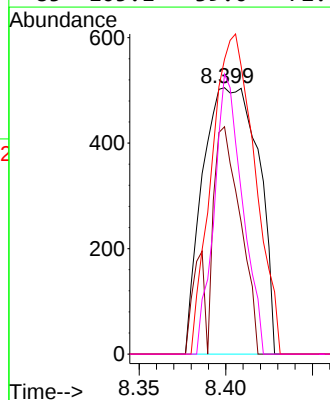
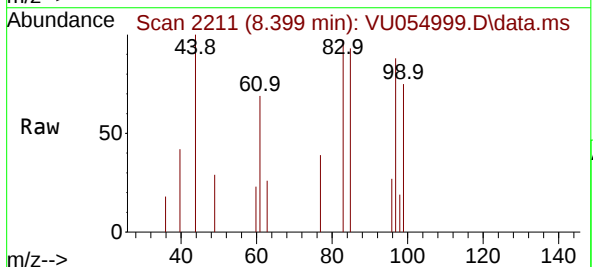
Ion Ratio Lower Upper

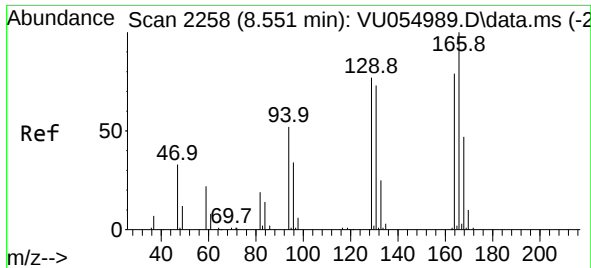
97 100

99 85.3 41.5 77.1#

83 110.7 59.8 111.1

85 105.1 39.0 72.4#

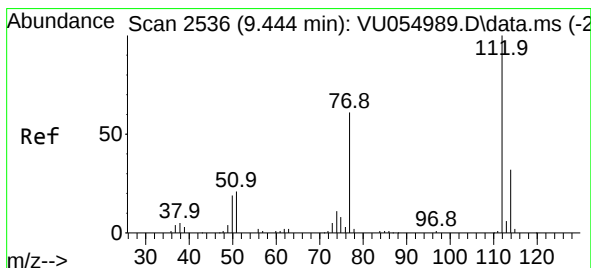
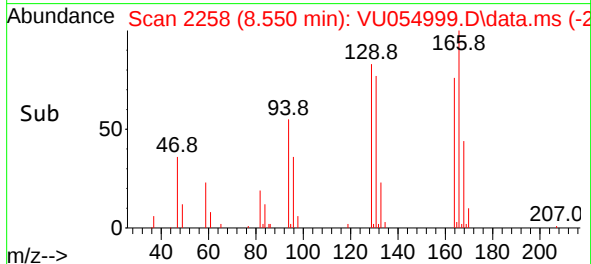
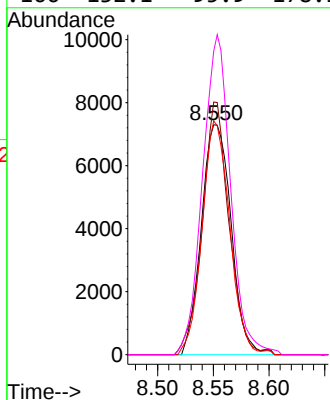
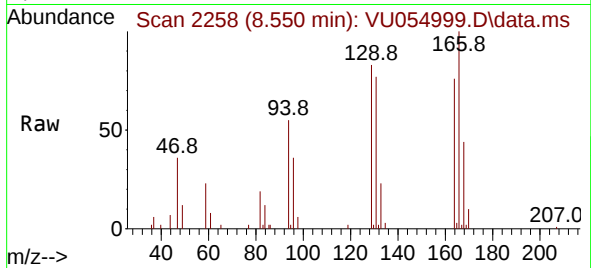




#47
Tetrachloroethene
Concen: 1.742 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054999.D
Acq: 30 Aug 2023 15:14

Instrument :
MSVOA_U
ClientSampleId :
BH490

Tgt Ion:164	Resp:	13587
Ion	Ratio	Lower Upper
164	100	
129	109.9	72.8 135.2
131	101.7	70.7 131.3
166	132.1	95.9 178.1



#51
Chlorobenzene
Concen: 0.138 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU054999.D
Acq: 30 Aug 2023 15:14

Tgt Ion:112	Resp:	3897
Ion	Ratio	Lower Upper
112	100	
114	32.7	23.4 43.4
77	69.2	49.3 73.9

