

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091423\
 Data File : VU055310.D
 Acq On : 14 Sep 2023 16:51
 Operator : MD/SY
 Sample : 04307-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H5

Quant Time: Sep 15 03:02:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 15 02:53:52 2023
 Response via : Initial Calibration

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

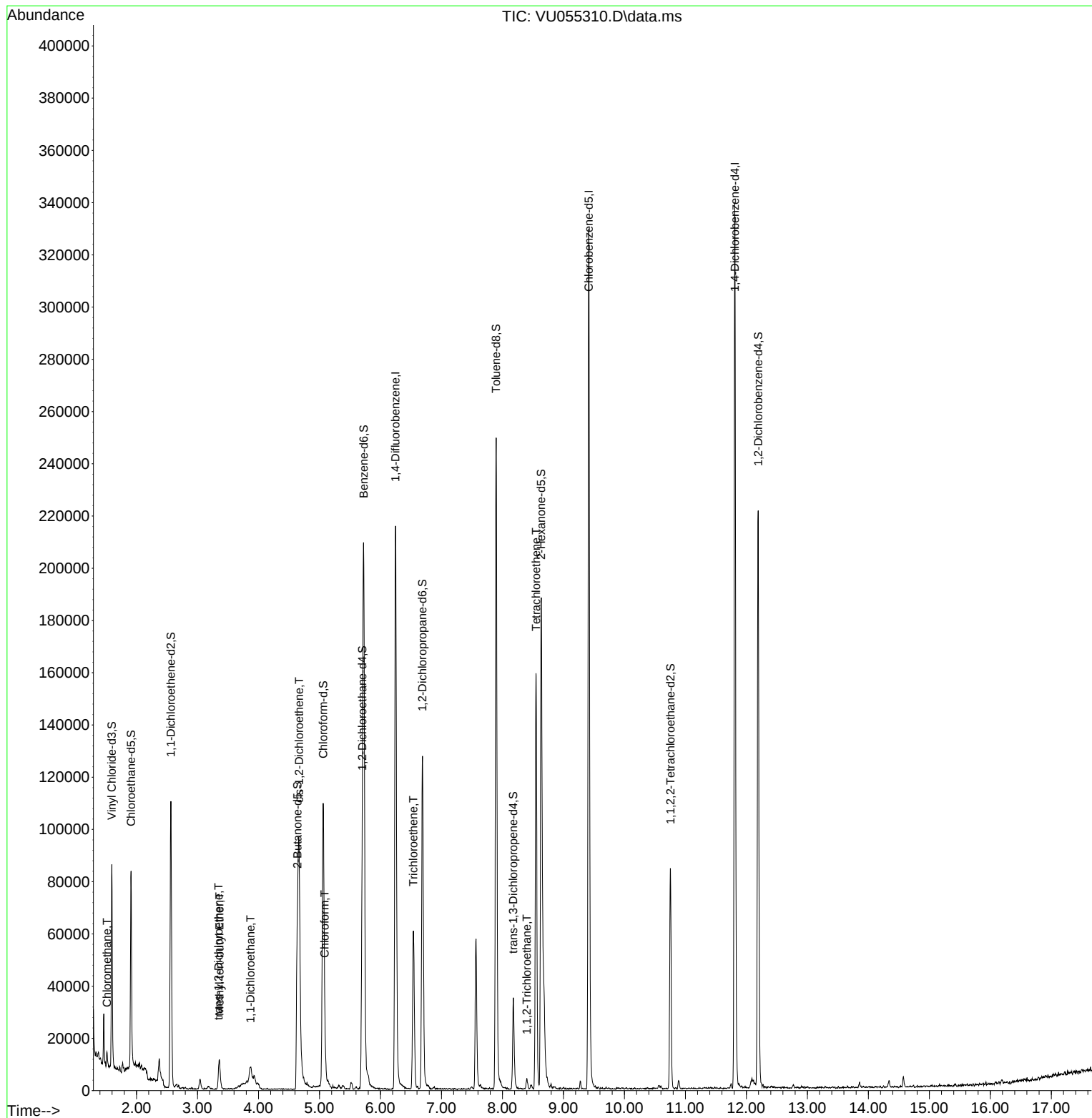
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	180683	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	186275	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	86556	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55802	6.590	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	131.800%#	
7) Chloroethane-d5	1.911	69	52604	5.366	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	107.400%	
11) 1,1-Dichloroethene-d2	2.563	65	20074	4.160	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	83.200%	
20) 2-Butanone-d5	4.637	46	105792	43.050	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	86.100%	
24) Chloroform-d	5.062	84	99349	4.421	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.400%	
26) 1,2-Dichloroethane-d4	5.701	65	52094	4.634	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.600%	
32) Benzene-d6	5.724	84	199954	4.349	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.000%	
36) 1,2-Dichloropropane-d6	6.689	67	61944	4.236	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	84.800%	
41) Toluene-d8	7.897	98	166970	3.942	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.800%	
43) trans-1,3-Dichloroprop...	8.177	79	19380	4.812	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	96.200%	
46) 2-Hexanone-d5	8.634	63	60180	36.806	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	73.620%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	42541	4.136	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	82.800%	
66) 1,2-Dichlorobenzene-d4	12.193	152	56279	4.455	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	89.000%	
Target Compounds						
3) Chloromethane	1.515	50	3658	0.342	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	6488	0.296	ug/L #	89
18) trans-1,2-Dichloroethene	3.348	96	3088	0.364	ug/L #	69
19) 1,1-Dichloroethane	3.869	63	6071	0.331	ug/L	93
22) cis-1,2-Dichloroethene	4.666	96	35100	3.383	ug/L	86
25) Chloroform	5.087	83	8738	0.458	ug/L	92
34) Trichloroethene	6.541	95	20760	1.884	ug/L	96
45) 1,1,2-Trichloroethane	8.399	97	1202	0.165	ug/L	92
47) Tetrachloroethene	8.553	164	34108	4.479	ug/L	94

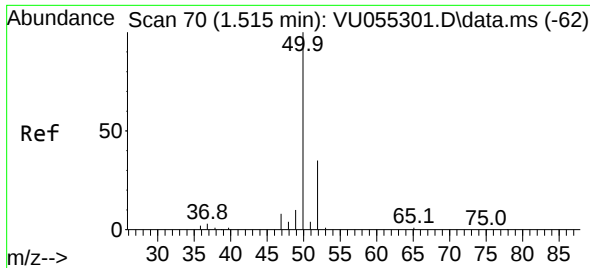
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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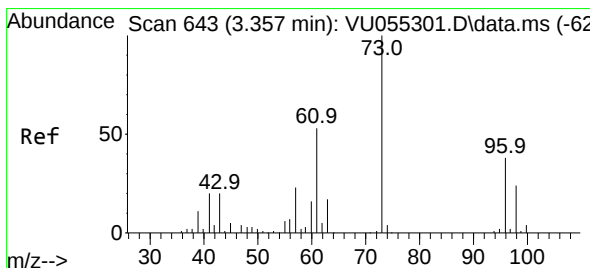
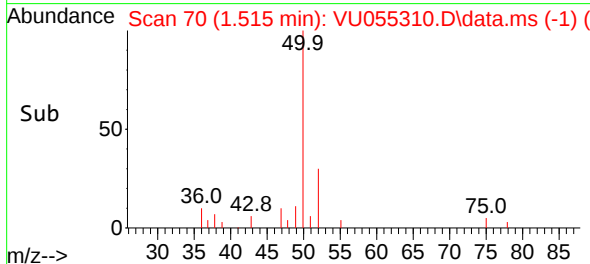
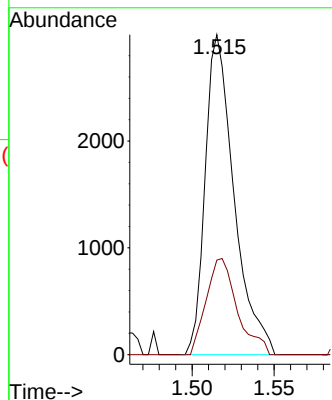
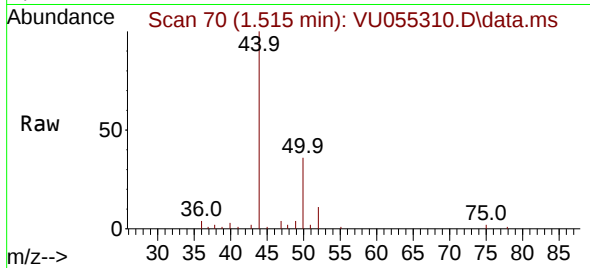




#3
Chloromethane
Concen: 0.342 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055310.D
Acq: 14 Sep 2023 16:51

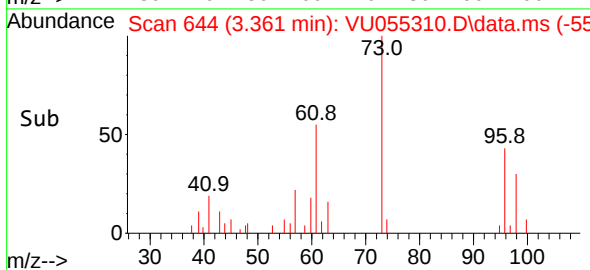
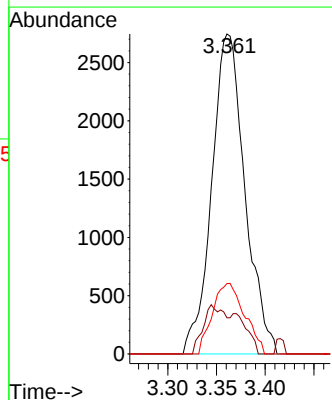
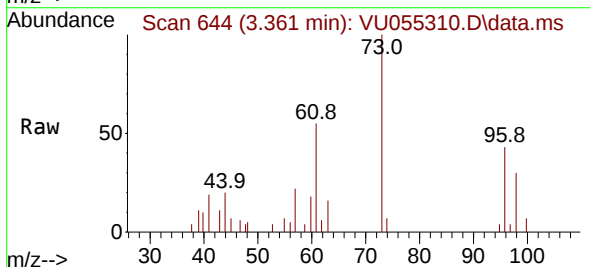
Instrument :
MSVOA_U
ClientSampleId :
BH4H5

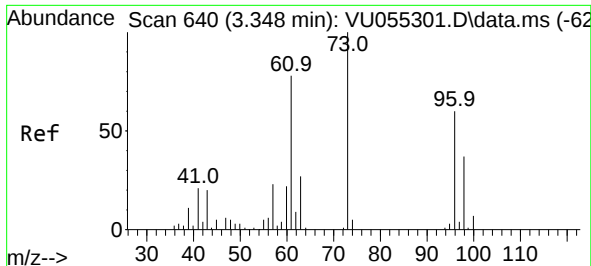
Tgt Ion: 50 Resp: 3658
Ion Ratio Lower Upper
50 100
52 29.6 22.5 41.7



#17
Methyl tert-butyl Ether
Concen: 0.296 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055310.D
Acq: 14 Sep 2023 16:51

Tgt Ion: 73 Resp: 6488
Ion Ratio Lower Upper
73 100
43 9.8 16.2 24.2#
57 21.4 17.4 26.2

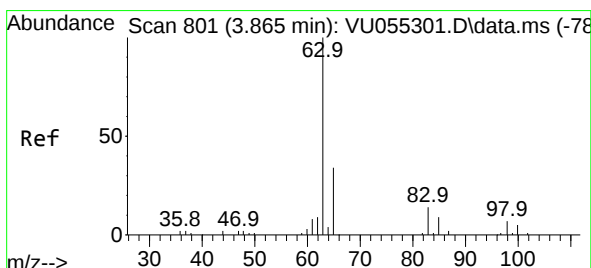
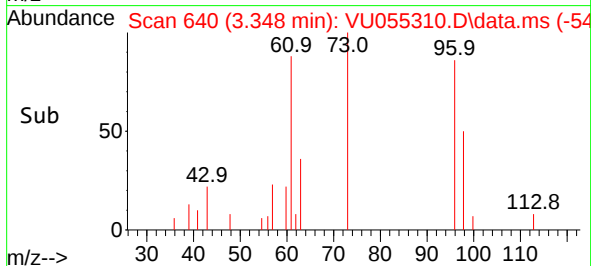
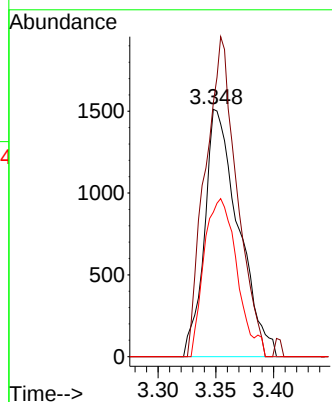
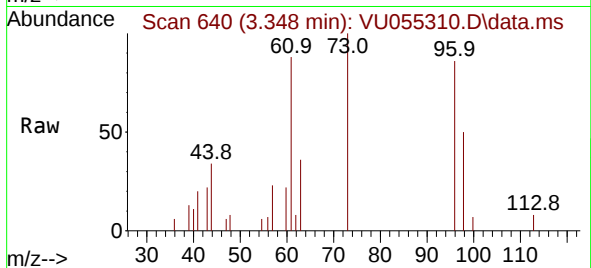




#18
trans-1,2-Dichloroethene
Concen: 0.364 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU055310.D
Acq: 14 Sep 2023 16:51

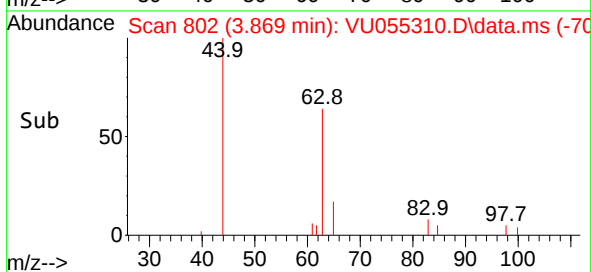
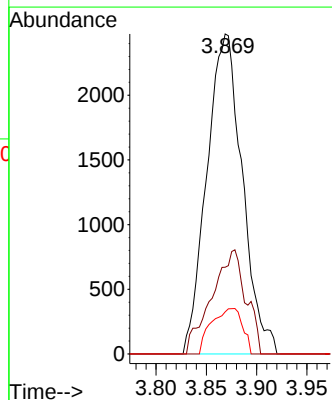
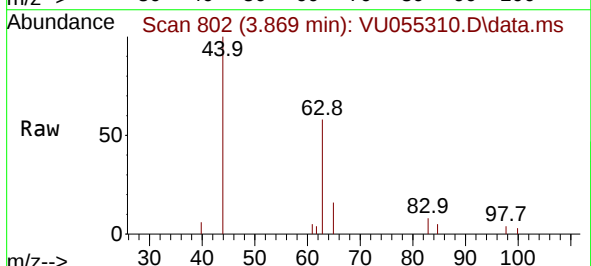
Instrument :
MSVOA_U
ClientSampleId :
BH4H5

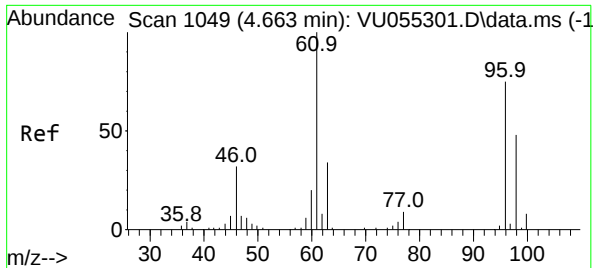
Tgt Ion: 96 Resp: 3088
Ion Ratio Lower Upper
96 100
61 102.6 108.1 200.9#
98 58.4 45.4 84.4



#19
1,1-Dichloroethane
Concen: 0.331 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055310.D
Acq: 14 Sep 2023 16:51

Tgt Ion: 63 Resp: 6071
Ion Ratio Lower Upper
63 100
65 27.1 22.2 41.2
83 13.1 10.6 19.8





#22

cis-1,2-Dichloroethene

Concen: 3.383 ug/L

RT: 4.666 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VU055310.D

Acq: 14 Sep 2023 16:51

Instrument :

MSVOA_U

ClientSampleId :

BH4H5

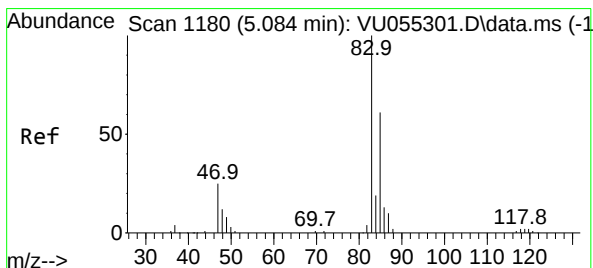
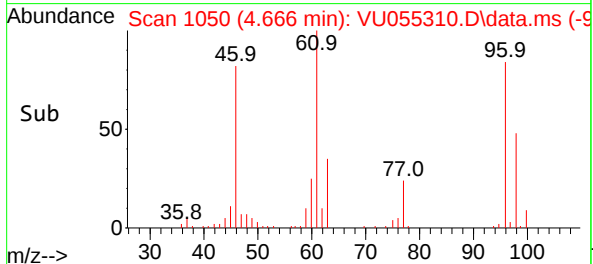
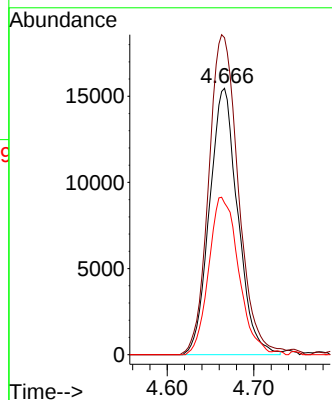
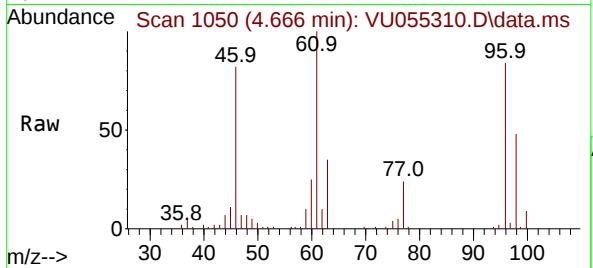
Tgt Ion: 96 Resp: 35100

Ion Ratio Lower Upper

96 100

61 119.0 97.2 180.4

98 58.4 46.1 85.7



#25

Chloroform

Concen: 0.458 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. 0.003 min

Lab File: VU055310.D

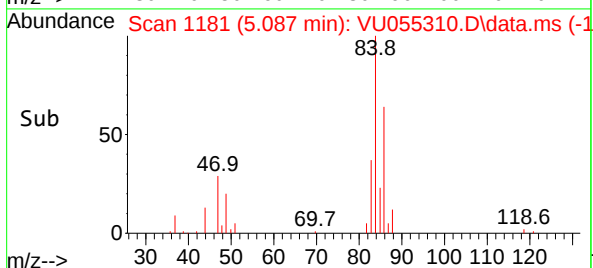
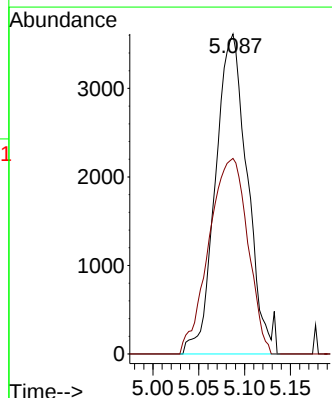
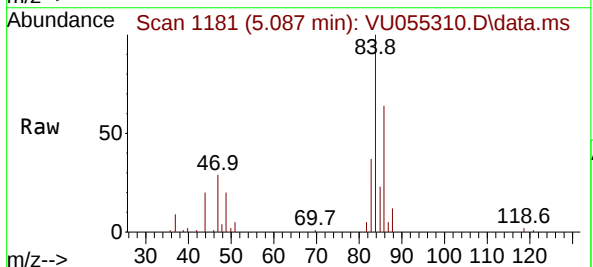
Acq: 14 Sep 2023 16:51

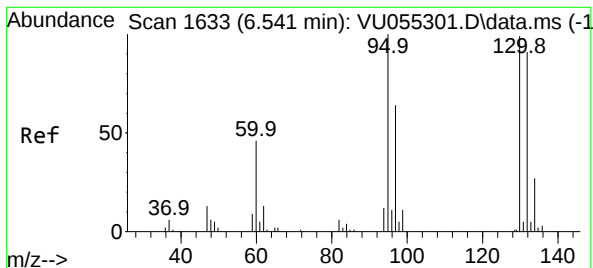
Tgt Ion: 83 Resp: 8738

Ion Ratio Lower Upper

83 100

85 61.1 47.2 87.6





#34

Trichloroethene

Concen: 1.884 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055310.D

Acq: 14 Sep 2023 16:51

Instrument :

MSVOA_U

ClientSampleId :

BH4H5

Tgt Ion: 95 Resp: 20760

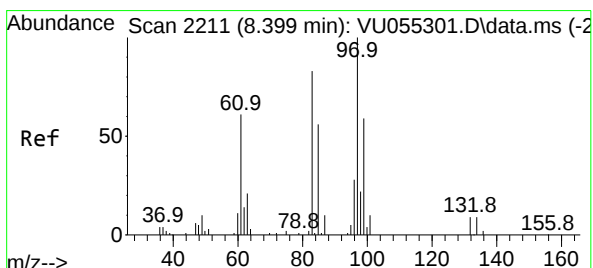
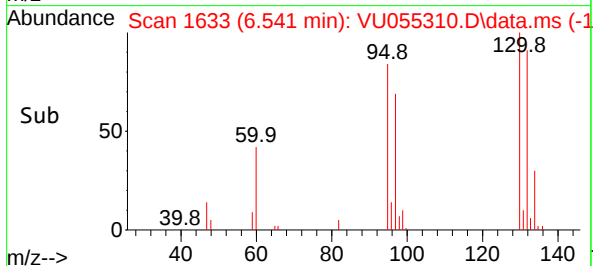
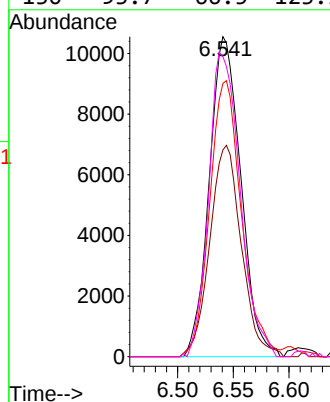
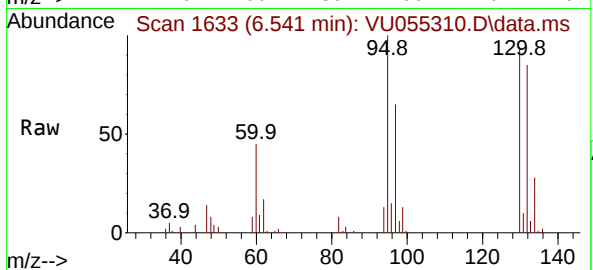
Ion Ratio Lower Upper

95 100

97 64.6 44.7 83.1

132 85.4 66.6 123.6

130 93.7 66.5 123.5



#45

1,1,2-Trichloroethane

Concen: 0.165 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VU055310.D

Acq: 14 Sep 2023 16:51

Tgt Ion: 97 Resp: 1202

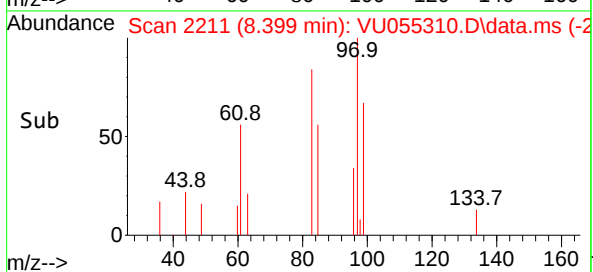
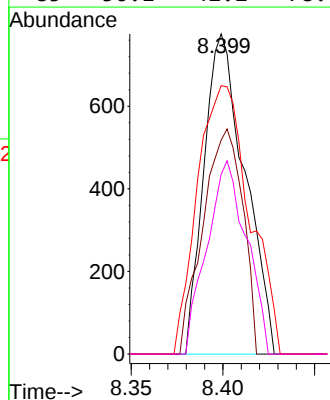
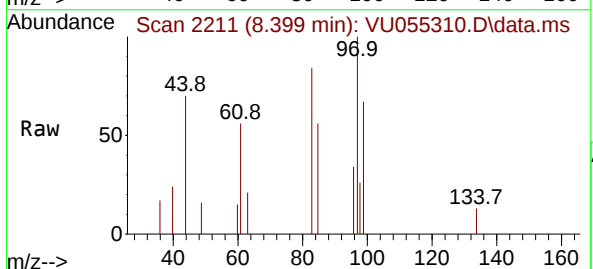
Ion Ratio Lower Upper

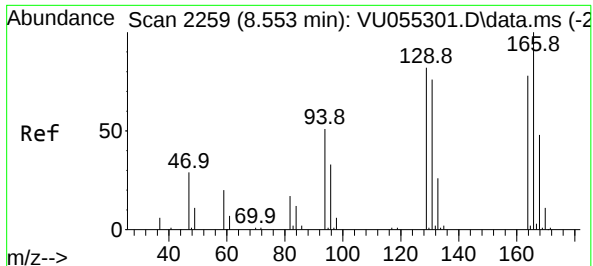
97 100

99 66.8 44.9 83.5

83 83.9 66.9 124.3

85 56.1 42.2 78.4





#47
 Tetrachloroethene
 Concen: 4.479 ug/L
 RT: 8.553 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU055310.D
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Tgt Ion:164	Resp:	34108
Ion	Ratio	Lower Upper
164	100	
129	98.5	69.2 128.6
131	92.7	68.8 127.8
166	120.2	92.3 171.5

