

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055254.D
 Acq On : 12 Sep 2023 17:41
 Operator : MD/SY
 Sample : 04350-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4J6

Quant Time: Sep 13 01:48:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 01:44:08 2023
 Response via : Initial Calibration

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

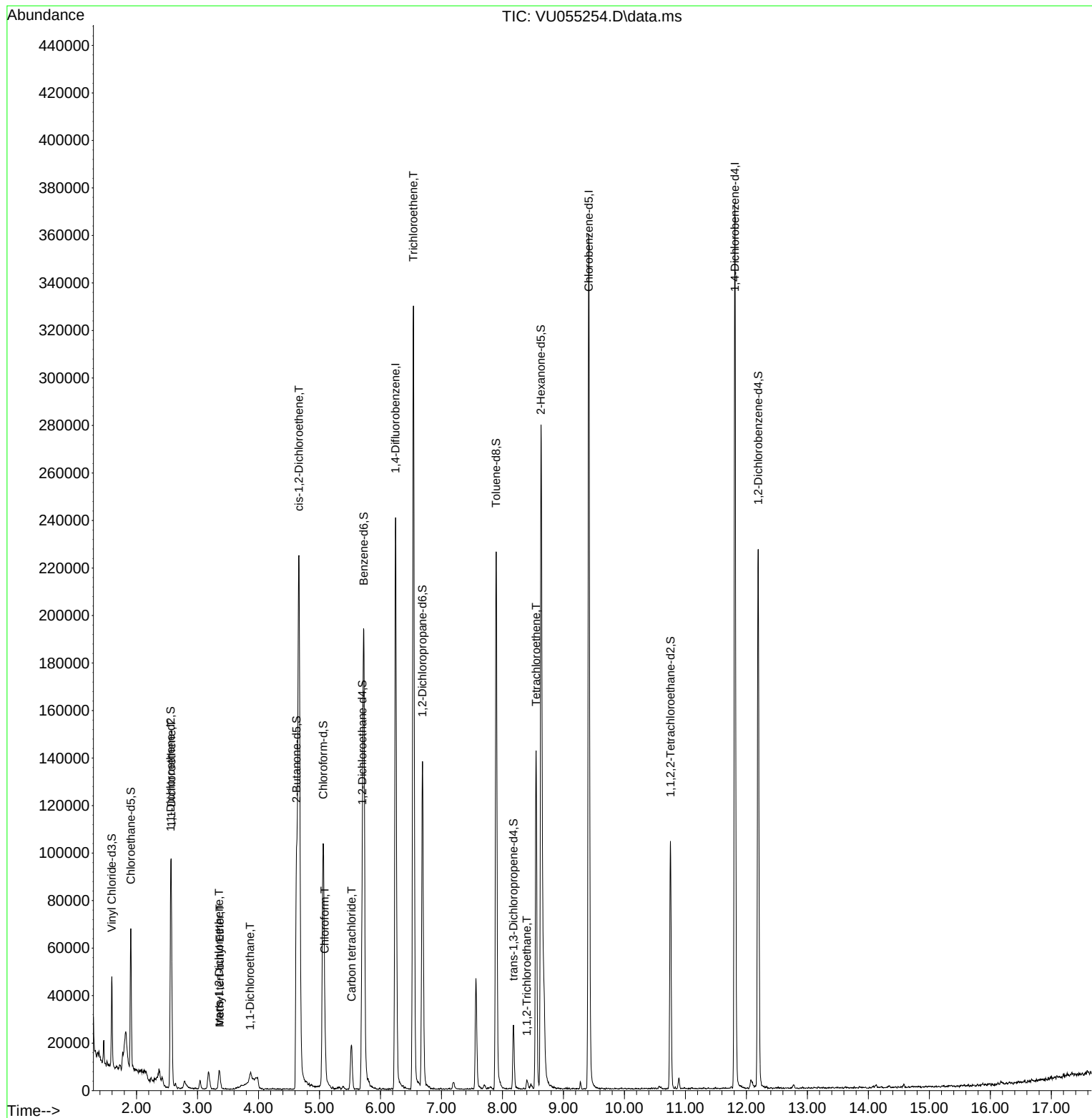
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	190005	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	199834	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	94372	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	27154	3.049	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	61.000%	
7) Chloroethane-d5	1.907	69	43286	4.199	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	84.000%	
11) 1,1-Dichloroethene-d2	2.560	65	15189	2.993	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	59.800%#	
20) 2-Butanone-d5	4.624	46	136740	52.914	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	105.820%	
24) Chloroform-d	5.061	84	95621	4.046	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	81.000%	
26) 1,2-Dichloroethane-d4	5.701	65	53635	4.537	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.800%	
32) Benzene-d6	5.727	84	183282	3.716	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	74.400%	
36) 1,2-Dichloropropane-d6	6.688	67	63857	4.070	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	81.400%	
41) Toluene-d8	7.897	98	155127	3.414	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	68.200%#	
43) trans-1,3-Dichloroprop...	8.180	79	15571	3.604	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	72.000%	
46) 2-Hexanone-d5	8.630	63	88732	50.587	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.180%	
56) 1,1,2,2-Tetrachloroeth...	10.756	84	51644	4.681	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	93.600%	
66) 1,2-Dichlorobenzene-d4	12.193	152	59889	4.348	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	87.000%	
Target Compounds						
12) 1,1-Dichloroethene	2.570	96	11448	1.303	ug/L #	1
17) Methyl tert-butyl Ether	3.364	73	4778	0.207	ug/L #	94
18) trans-1,2-Dichloroethene	3.354	96	1797	0.202	ug/L	69
19) 1,1-Dichloroethane	3.862	63	5610	0.291	ug/L	93
22) cis-1,2-Dichloroethene	4.663	96	110317	10.112	ug/L	91
25) Chloroform	5.087	83	12542	0.625	ug/L	96
31) Carbon tetrachloride	5.528	117	13141	0.914	ug/L	97
34) Trichloroethene	6.541	95	108656	9.193	ug/L	97
45) 1,1,2-Trichloroethane	8.402	97	1357	0.174	ug/L	90
47) Tetrachloroethene	8.553	164	29658	3.630	ug/L	95

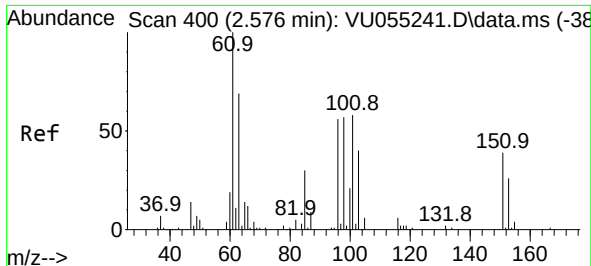
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.303 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.007 min

Lab File: VU055254.D

Acq: 12 Sep 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

BH4J6

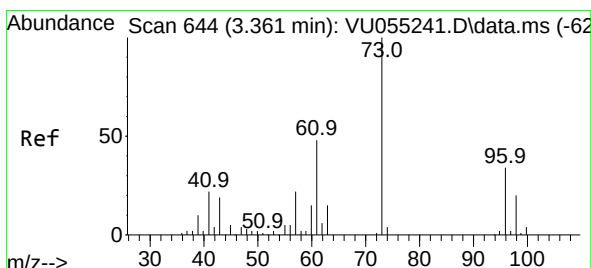
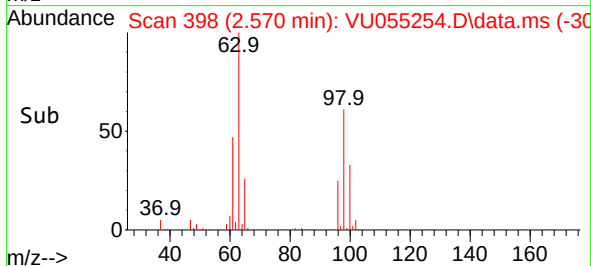
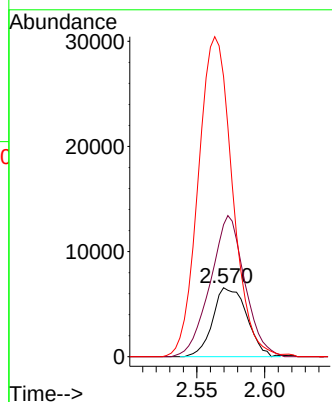
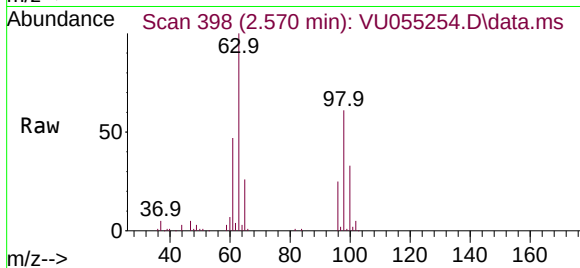
Tgt Ion: 96 Resp: 11448

Ion Ratio Lower Upper

96 100

61 191.2 120.8 224.4

63 406.0 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.207 ug/L

RT: 3.364 min Scan# 645

Delta R.T. 0.003 min

Lab File: VU055254.D

Acq: 12 Sep 2023 17:41

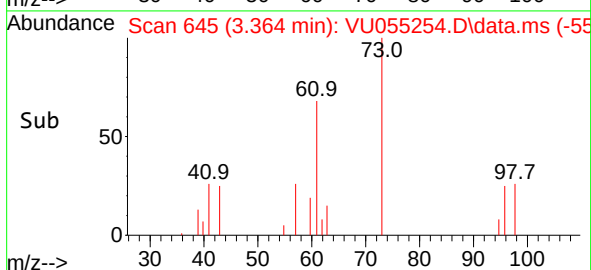
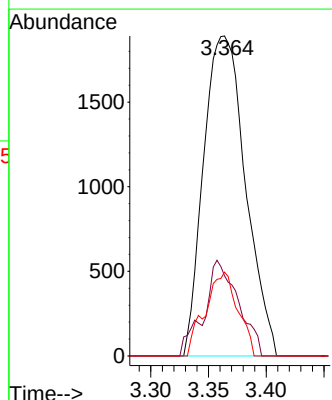
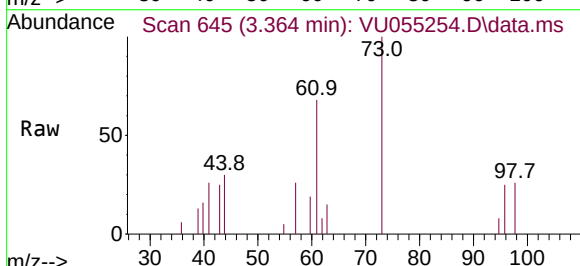
Tgt Ion: 73 Resp: 4778

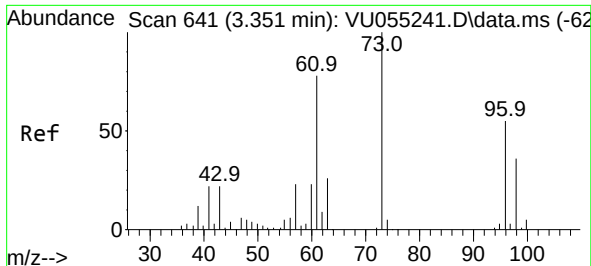
Ion Ratio Lower Upper

73 100

43 24.6 16.2 24.2#

57 20.3 17.4 26.2

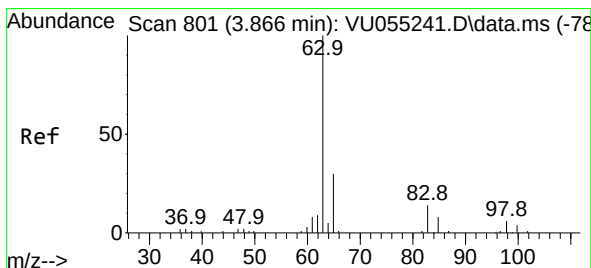
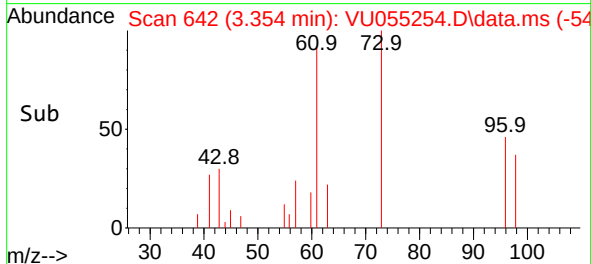
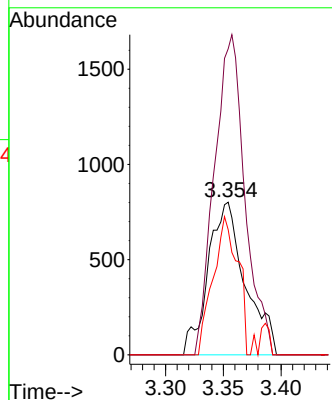
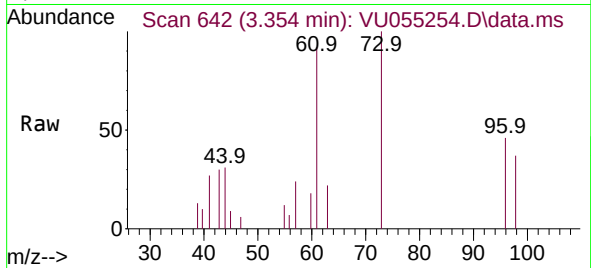




#18
trans-1,2-Dichloroethene
Concen: 0.202 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055254.D
Acq: 12 Sep 2023 17:41

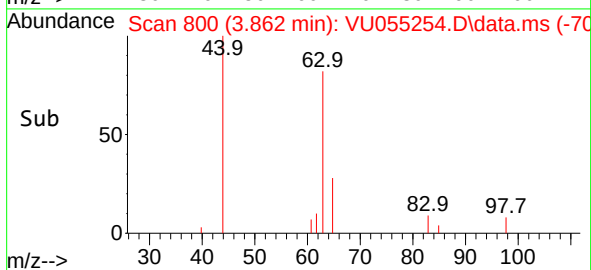
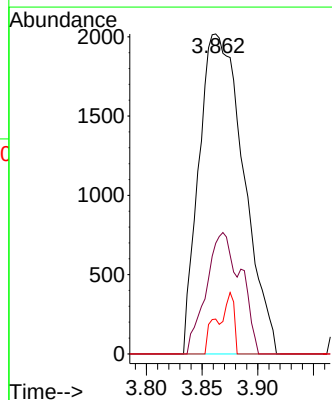
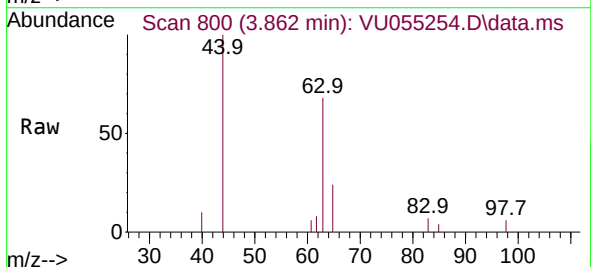
Instrument :
MSVOA_U
ClientSampleId :
BH4J6

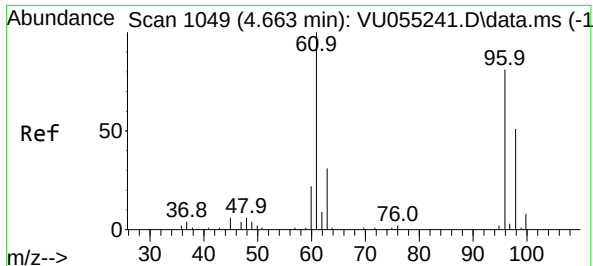
Tgt Ion: 96 Resp: 1797
Ion Ratio Lower Upper
96 100
61 200.5 108.1 200.9
98 81.9 45.4 84.4



#19
1,1-Dichloroethane
Concen: 0.291 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.003 min
Lab File: VU055254.D
Acq: 12 Sep 2023 17:41

Tgt Ion: 63 Resp: 5610
Ion Ratio Lower Upper
63 100
65 34.6 22.2 41.2
83 10.9 10.6 19.8



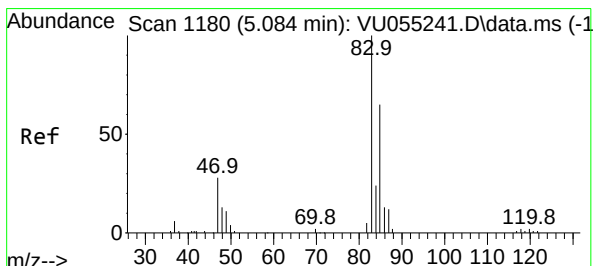
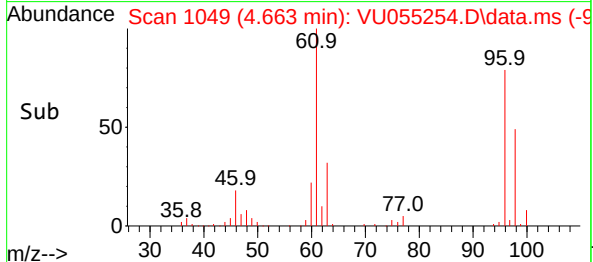
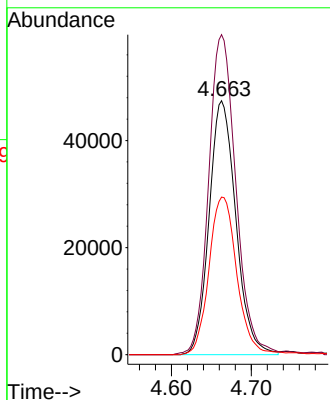
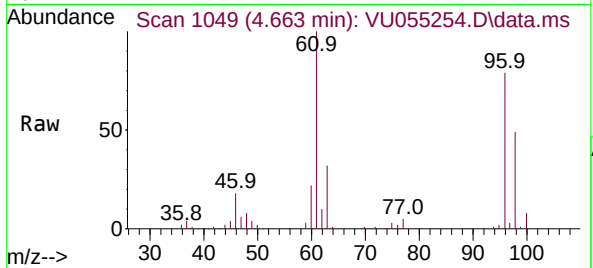


#22
 cis-1,2-Dichloroethene
 Concen: 10.112 ug/L
 RT: 4.663 min Scan# 1103
 Delta R.T. -0.000 min
 Lab File: VU055254.D
 Acq: 12 Sep 2023 17:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4J6

Tgt Ion: 96 Resp: 110317

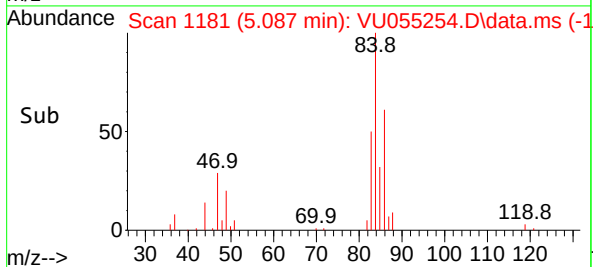
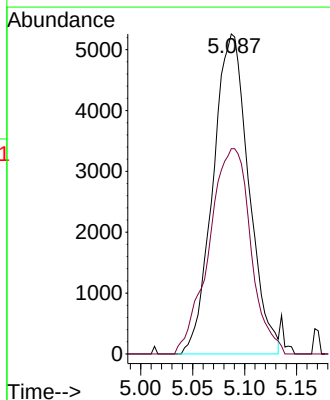
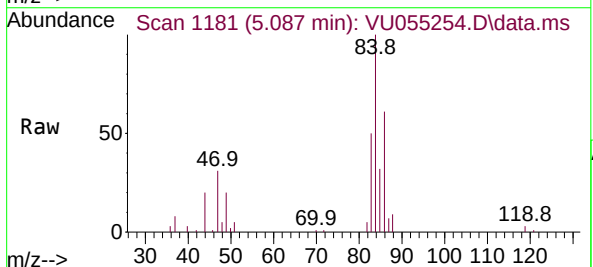
Ion	Ratio	Lower	Upper
96	100		
61	126.0	97.2	180.4
98	62.1	46.1	85.7

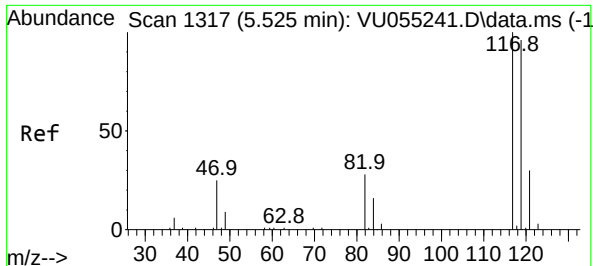


#25
 Chloroform
 Concen: 0.625 ug/L
 RT: 5.087 min Scan# 1181
 Delta R.T. 0.003 min
 Lab File: VU055254.D
 Acq: 12 Sep 2023 17:41

Tgt Ion: 83 Resp: 12542

Ion	Ratio	Lower	Upper
83	100		
85	64.1	47.2	87.6

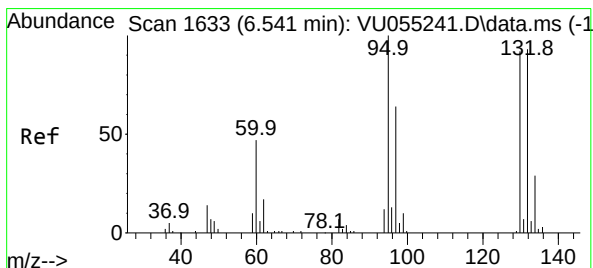
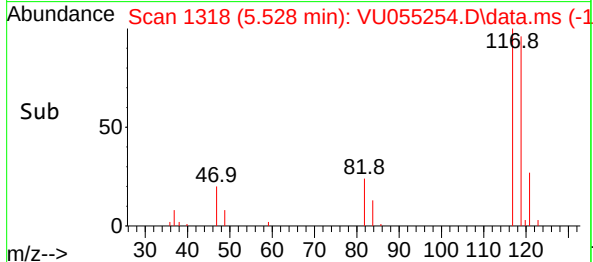
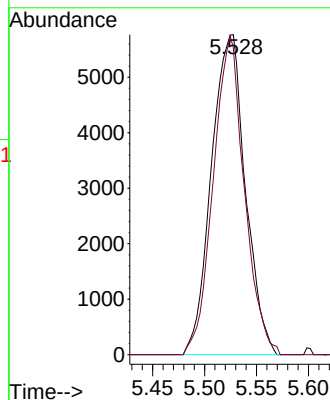
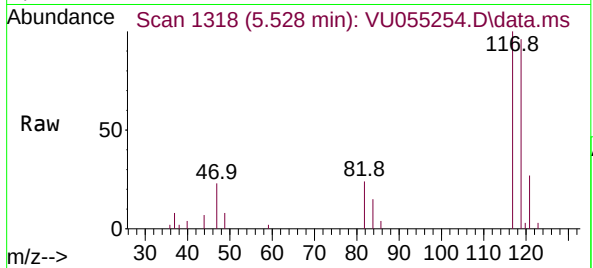




#31
Carbon tetrachloride
Concen: 0.914 ug/L
RT: 5.528 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055254.D
Acq: 12 Sep 2023 17:41

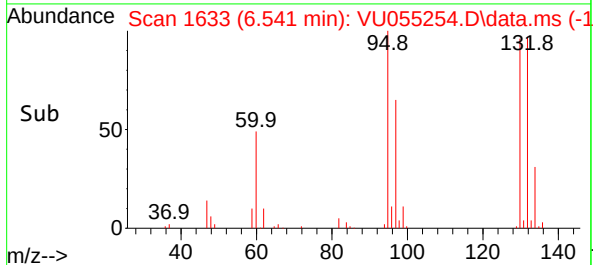
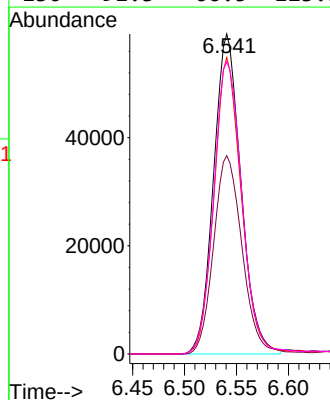
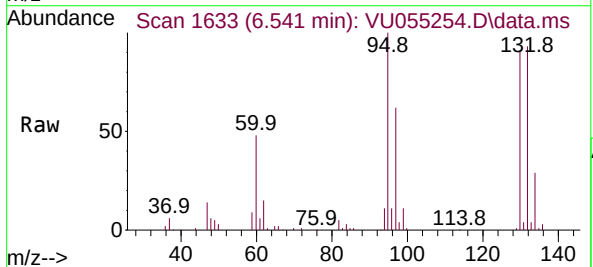
Instrument :
MSVOA_U
ClientSampleId :
BH4J6

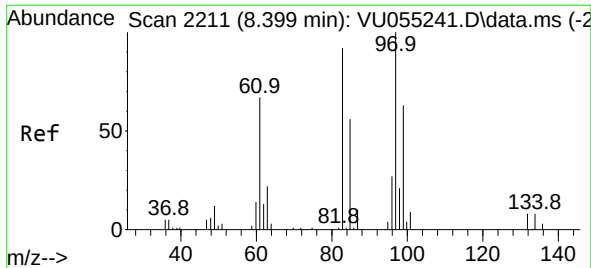
Tgt Ion:117 Resp: 13141
Ion Ratio Lower Upper
117 100
119 90.8 75.4 113.0



#34
Trichloroethene
Concen: 9.193 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055254.D
Acq: 12 Sep 2023 17:41

Tgt Ion: 95 Resp: 108656
Ion Ratio Lower Upper
95 100
97 62.0 44.7 83.1
132 92.6 66.6 123.6
130 91.3 66.5 123.5



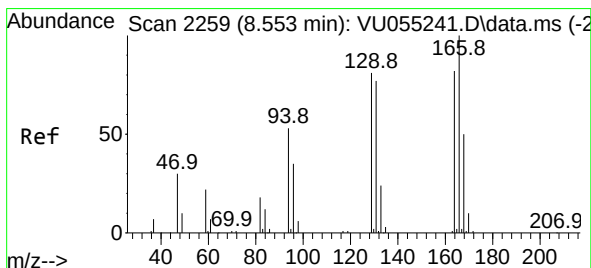
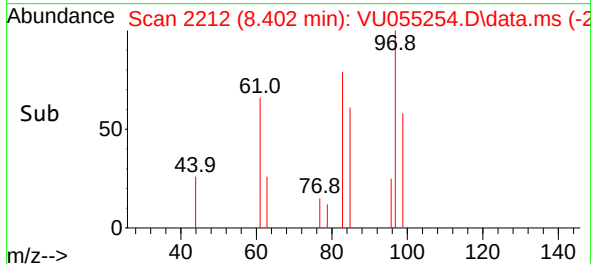
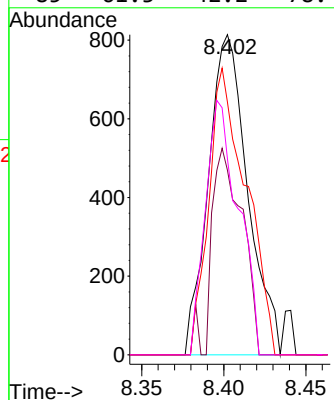
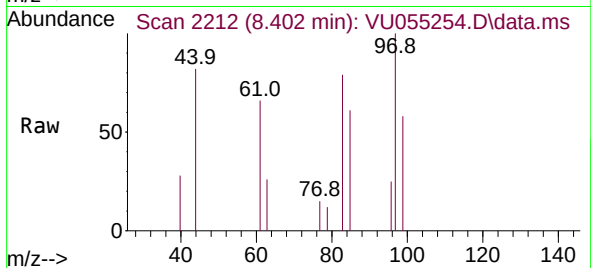


#45
1,1,2-Trichloroethane
Concen: 0.174 ug/L
RT: 8.402 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055254.D
Acq: 12 Sep 2023 17:41

Instrument :
MSVOA_U
ClientSampleId :
BH4J6

Tgt Ion: 97 Resp: 1357

Ion	Ratio	Lower	Upper
97	100		
99	57.7	44.9	83.5
83	79.0	66.9	124.3
85	61.3	42.2	78.4



#47
Tetrachloroethene
Concen: 3.630 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.000 min
Lab File: VU055254.D
Acq: 12 Sep 2023 17:41

Tgt Ion: 164 Resp: 29658

Ion	Ratio	Lower	Upper
164	100		
129	104.4	69.2	128.6
131	108.2	68.8	127.8
166	133.6	92.3	171.5

