

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055249.D
 Acq On : 12 Sep 2023 15:38
 Operator : MD/SY
 Sample : 04307-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H5

Quant Time: Sep 13 01:47:24 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)

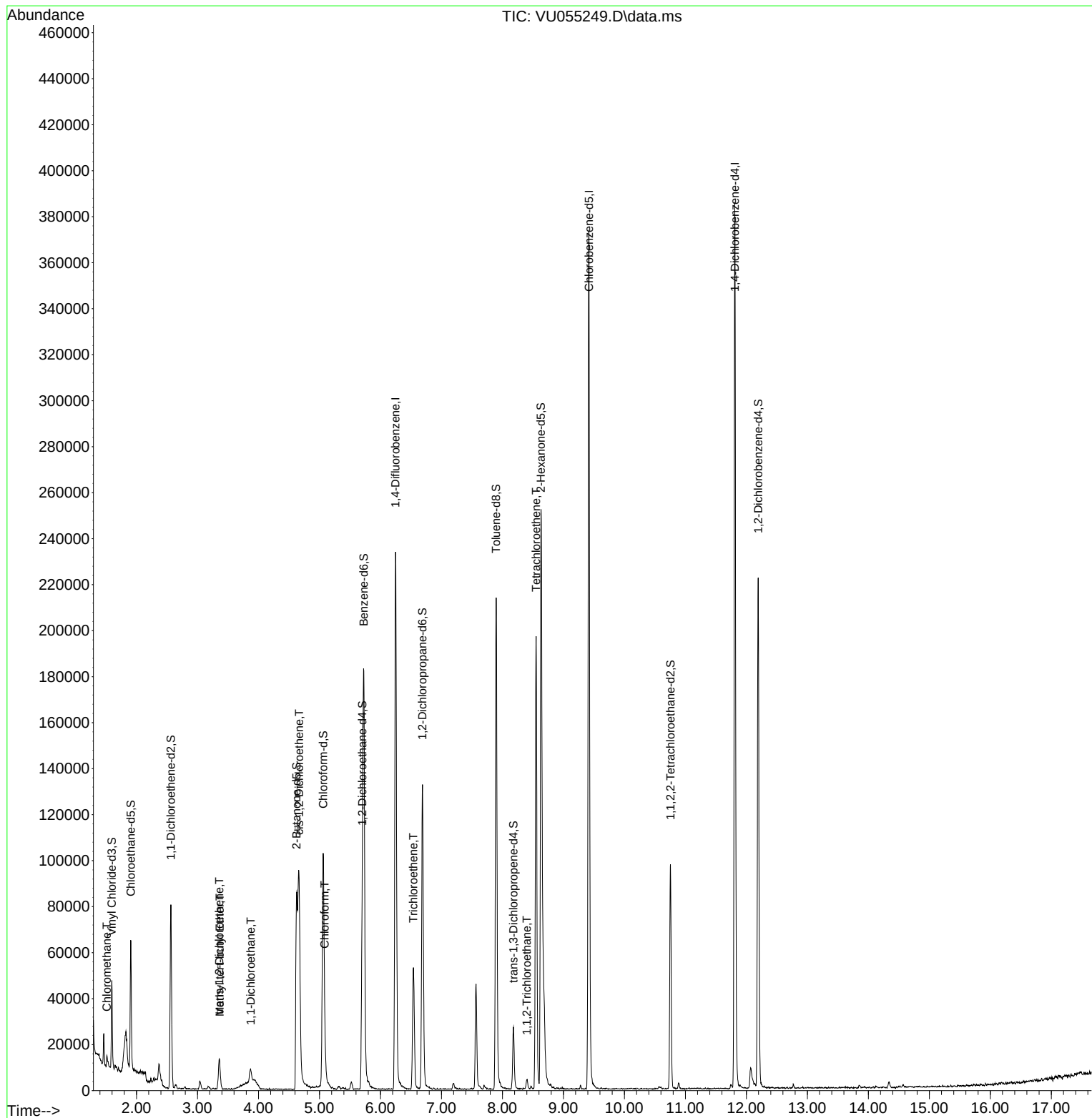
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	188492	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	207866	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	101791	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	27040	3.061	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.200%
7) Chloroethane-d5	1.907	69	40068	3.918	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.563	65	14749	2.930	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.600%#
20) 2-Butanone-d5	4.624	46	127970	49.917	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.840%
24) Chloroform-d	5.062	84	91054	3.884	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
26) 1,2-Dichloroethane-d4	5.701	65	50770	4.329	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	5.727	84	172097	3.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.000%#
36) 1,2-Dichloropropane-d6	6.689	67	62672	3.840	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.800%
41) Toluene-d8	7.897	98	149858	3.171	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.400%#
43) trans-1,3-Dichloroprop...	8.180	79	15070	3.353	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.631	63	79941	43.814	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.620%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	47891	4.173	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	58602	3.944	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	3504	0.314	ug/L	94
17) Methyl tert-butyl Ether	3.364	73	6731	0.295	ug/L	95
18) trans-1,2-Dichloroethene	3.357	96	3593	0.406	ug/L	94
19) 1,1-Dichloroethane	3.872	63	7016	0.367	ug/L #	84
22) cis-1,2-Dichloroethene	4.666	96	41258	3.812	ug/L	89
25) Chloroform	5.084	83	10873	0.546	ug/L	98
34) Trichloroethene	6.541	95	16850	1.370	ug/L	95
45) 1,1,2-Trichloroethane	8.399	97	1418	0.175	ug/L	87
47) Tetrachloroethene	8.553	164	41908	4.932	ug/L	98

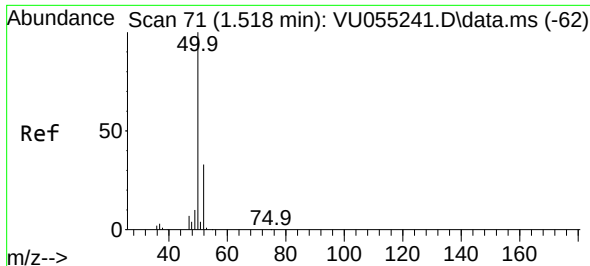
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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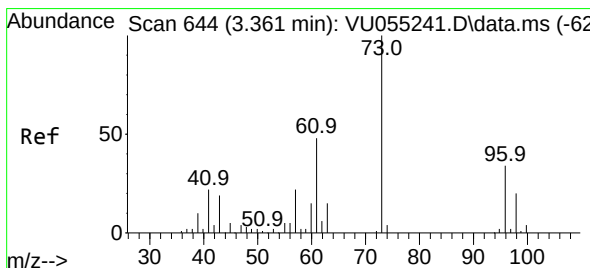
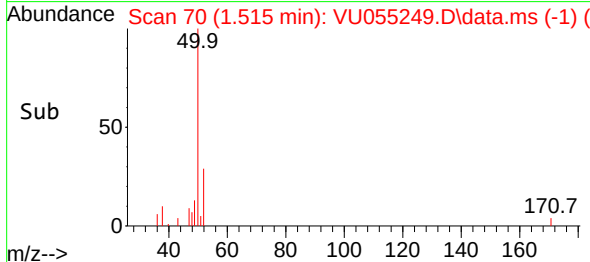
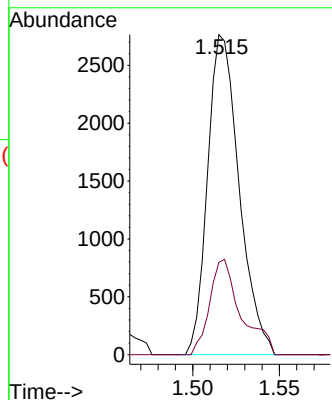
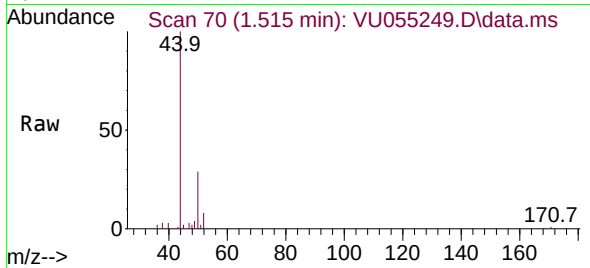




#3
Chloromethane
Concen: 0.314 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU055249.D
Acq: 12 Sep 2023 15:38

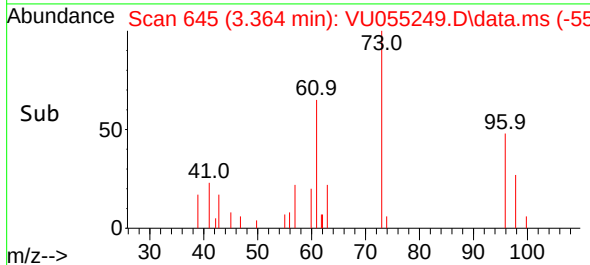
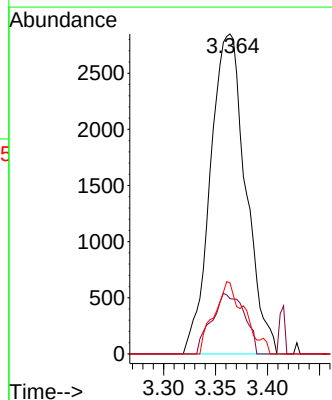
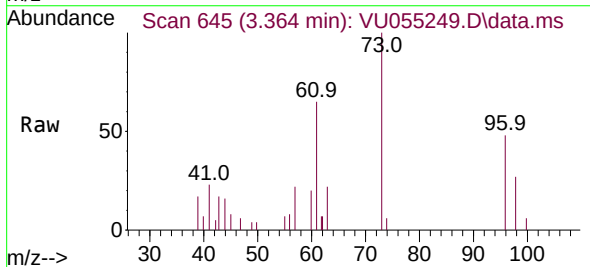
Instrument :
MSVOA_U
ClientSampleId :
BH4H5

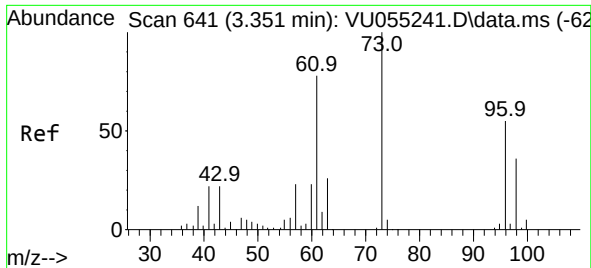
Tgt Ion: 50 Resp: 3504
Ion Ratio Lower Upper
50 100
52 28.9 22.5 41.7



#17
Methyl tert-butyl Ether
Concen: 0.295 ug/L
RT: 3.364 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU055249.D
Acq: 12 Sep 2023 15:38

Tgt Ion: 73 Resp: 6731
Ion Ratio Lower Upper
73 100
43 17.5 16.2 24.2
57 19.6 17.4 26.2

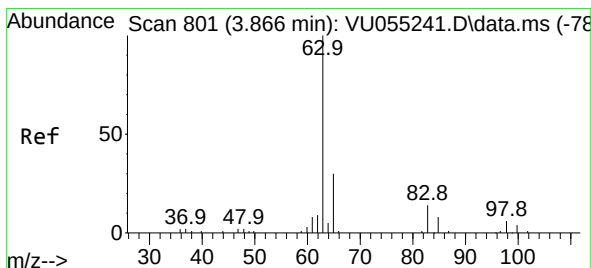
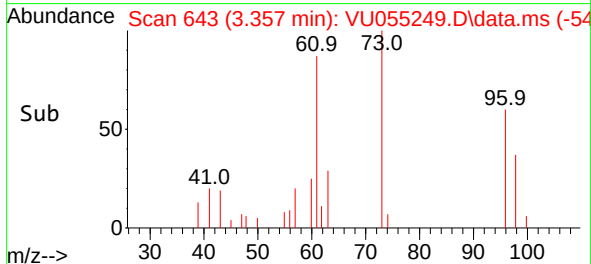
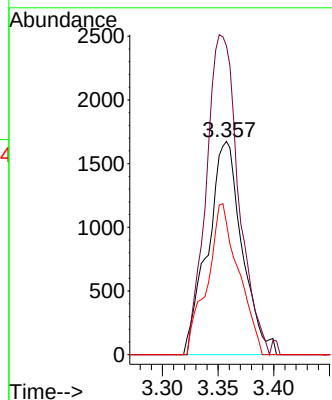
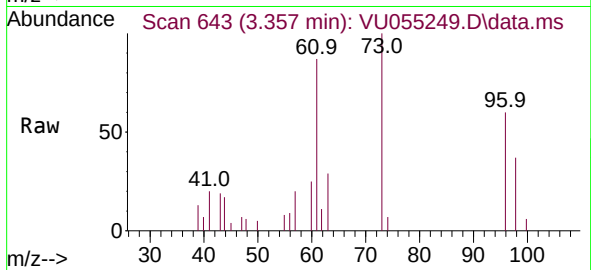




#18
trans-1,2-Dichloroethene
Concen: 0.406 ug/L
RT: 3.357 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU055249.D
Acq: 12 Sep 2023 15:38

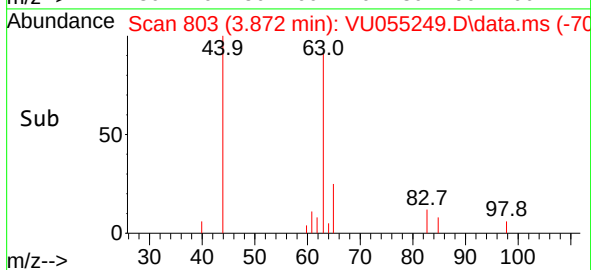
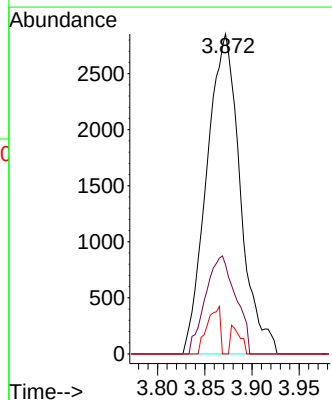
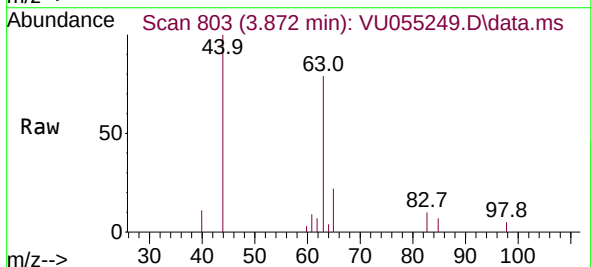
Instrument :
MSVOA_U
ClientSampleId :
BH4H5

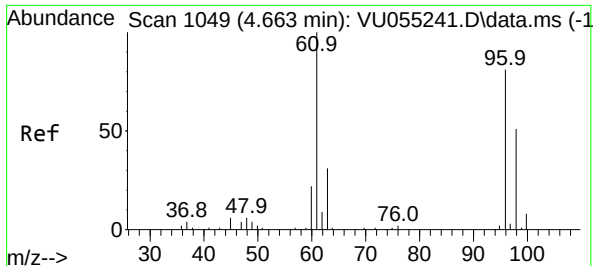
Tgt Ion: 96 Resp: 3593
Ion Ratio Lower Upper
96 100
61 144.9 108.1 200.9
98 61.8 45.4 84.4



#19
1,1-Dichloroethane
Concen: 0.367 ug/L
RT: 3.872 min Scan# 803
Delta R.T. 0.006 min
Lab File: VU055249.D
Acq: 12 Sep 2023 15:38

Tgt Ion: 63 Resp: 7016
Ion Ratio Lower Upper
63 100
65 27.9 22.2 41.2
83 0.0 10.6 19.8#





#22

cis-1,2-Dichloroethene

Concen: 3.812 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055249.D

Acq: 12 Sep 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

BH4H5

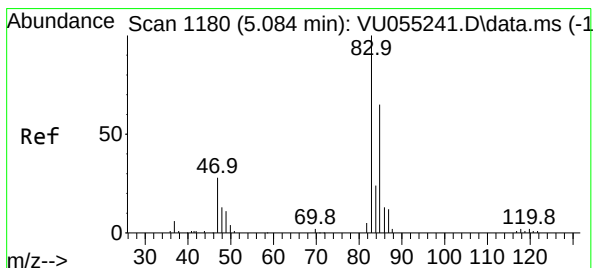
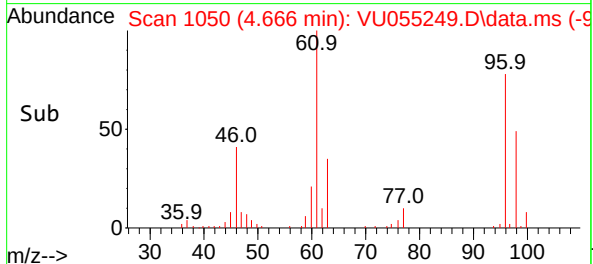
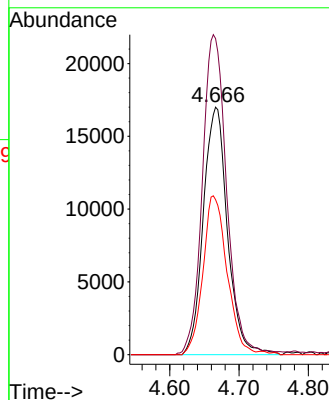
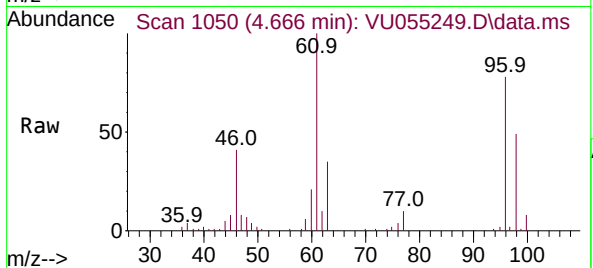
Tgt Ion: 96 Resp: 41258

Ion Ratio Lower Upper

96 100

61 123.8 97.2 180.4

98 60.7 46.1 85.7



#25

Chloroform

Concen: 0.546 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055249.D

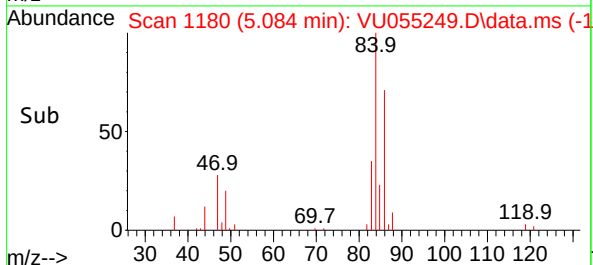
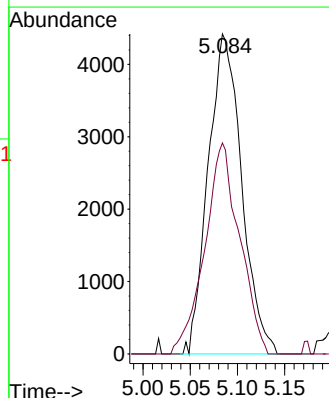
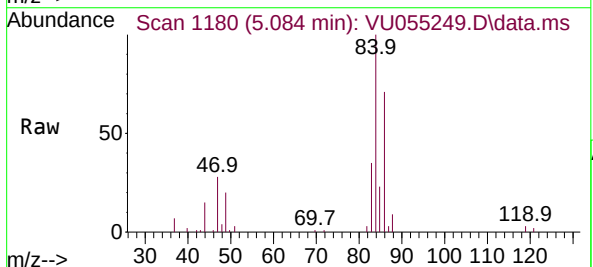
Acq: 12 Sep 2023 15:38

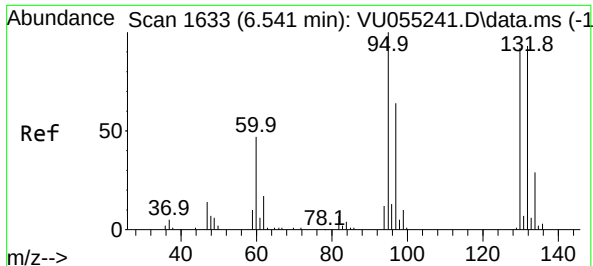
Tgt Ion: 83 Resp: 10873

Ion Ratio Lower Upper

83 100

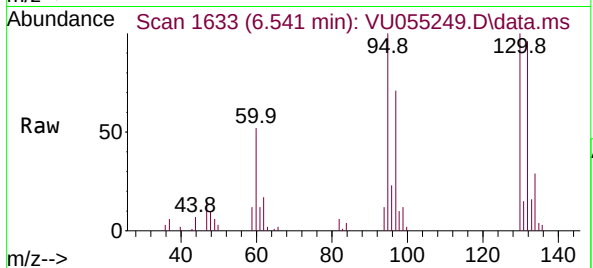
85 66.0 47.2 87.6



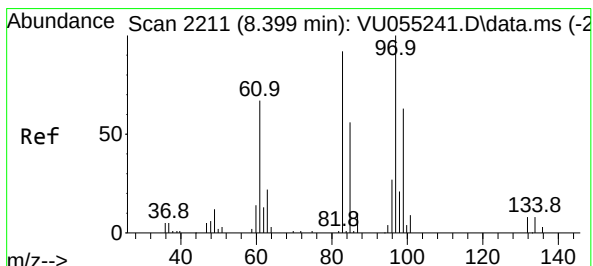
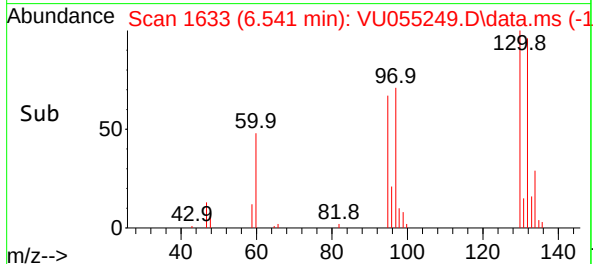
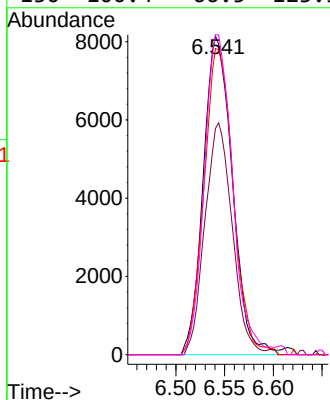


#34
Trichloroethene
Concen: 1.370 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055249.D
Acq: 12 Sep 2023 15:38

Instrument :
MSVOA_U
ClientSampleId :
BH4H5

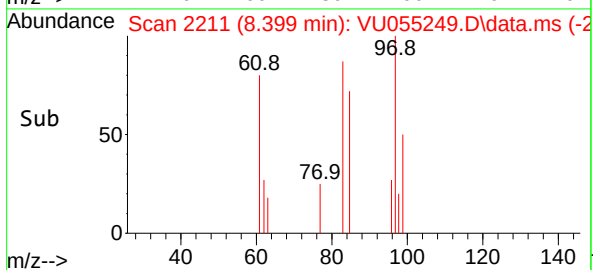
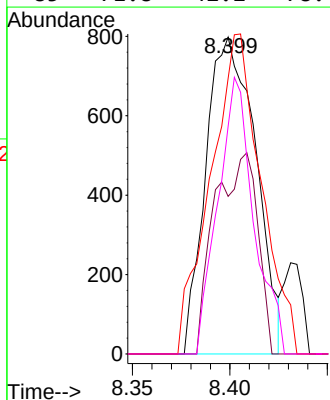
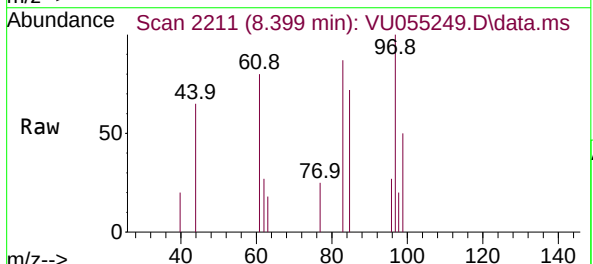


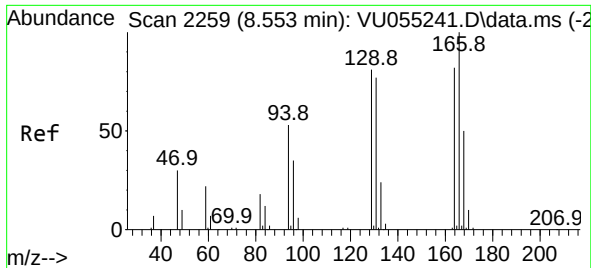
Tgt Ion:	95	Resp:	16850
Ion	Ratio	Lower	Upper
95	100		
97	71.0	44.7	83.1
132	96.0	66.6	123.6
130	100.4	66.5	123.5



#45
1,1,2-Trichloroethane
Concen: 0.175 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. -0.000 min
Lab File: VU055249.D
Acq: 12 Sep 2023 15:38

Tgt Ion:	97	Resp:	1418
Ion	Ratio	Lower	Upper
97	100		
99	49.7	44.9	83.5
83	87.0	66.9	124.3
85	71.8	42.2	78.4





#47

Tetrachloroethene

Concen: 4.932 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055249.D

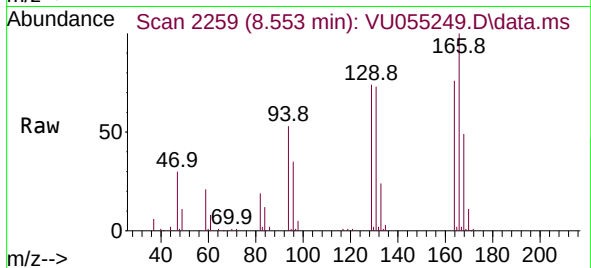
Acq: 12 Sep 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:164 Resp: 41908

Ion Ratio Lower Upper

164 100

129 97.0 69.2 128.6

131 95.9 68.8 127.8

166 130.8 92.3 171.5

