

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055077.D
 Acq On : 02 Sep 2023 06:20
 Operator : MD/SY
 Sample : 04250-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C1

Quant Time: Sep 04 01:36:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 02 00:23:04 2023
 Response via : Initial Calibration

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

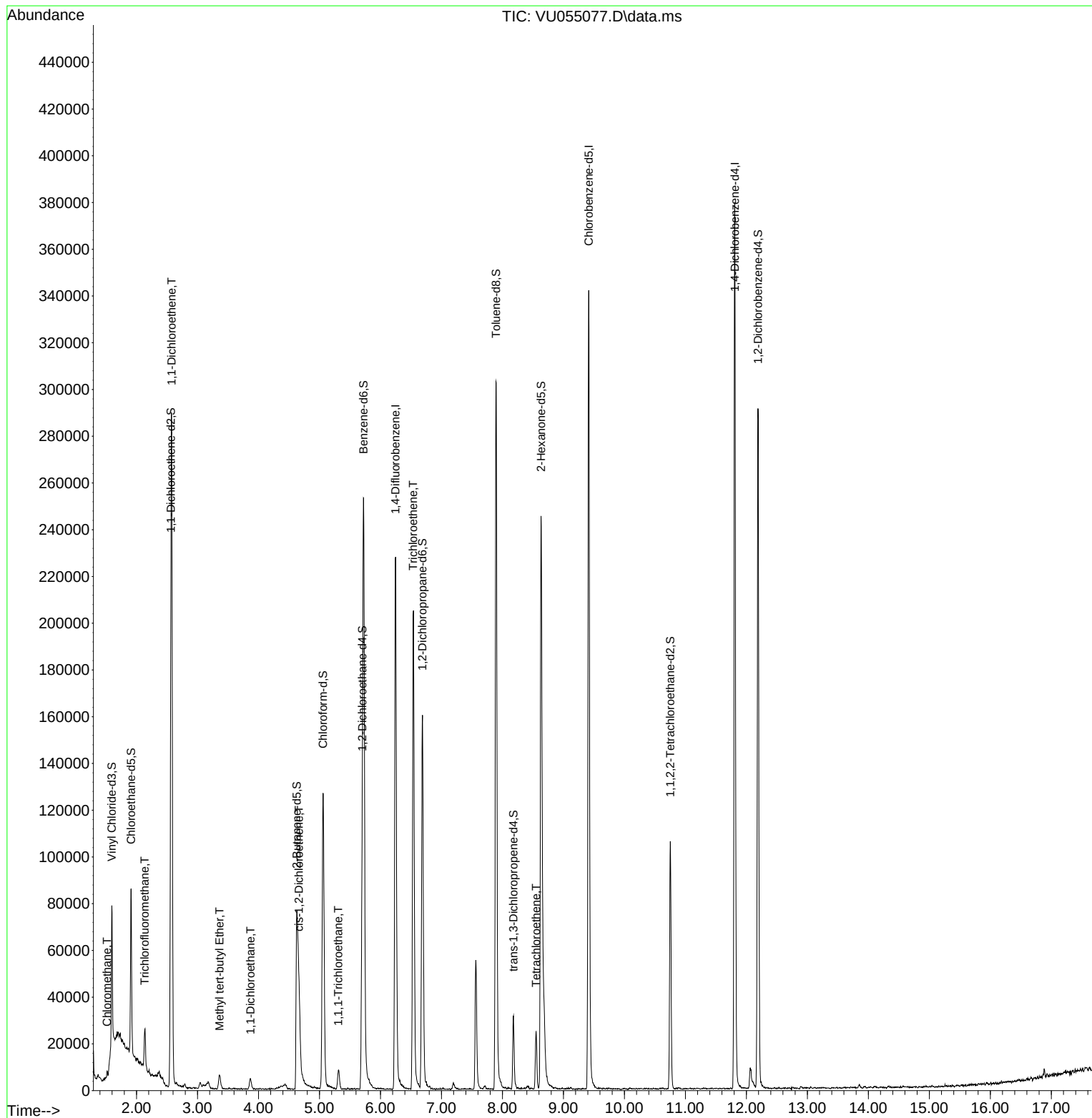
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	187240	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	187550	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	97853	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	39728	4.527	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	90.600%	
7) Chloroethane-d5	1.911	69	48365	4.761	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	95.200%	
11) 1,1-Dichloroethene-d2	2.563	65	25371	5.074	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	101.400%	
20) 2-Butanone-d5	4.627	46	130655	51.305	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	102.620%	
24) Chloroform-d	5.058	84	117378	5.041	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.800%	
26) 1,2-Dichloroethane-d4	5.701	65	59561	5.112	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.200%	
32) Benzene-d6	5.724	84	235635	5.090	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.800%	
36) 1,2-Dichloropropane-d6	6.688	67	75357	5.118	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	102.400%	
41) Toluene-d8	7.897	98	211341	4.956	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.200%	
43) trans-1,3-Dichloroprop...	8.180	79	17255	4.255	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.200%	
46) 2-Hexanone-d5	8.634	63	81208	49.330	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	98.660%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	53452	5.162	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.200%	
66) 1,2-Dichlorobenzene-d4	12.190	152	73316	5.133	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	102.600%	
Target Compounds						
3) Chloromethane	1.518	50	2564	0.231	ug/L	84
9) Trichlorofluoromethane	2.136	101	9804	0.577	ug/L	98
12) 1,1-Dichloroethene	2.576	96	69501	8.029	ug/L	88
17) Methyl tert-butyl Ether	3.361	73	6589	0.290	ug/L	96
19) 1,1-Dichloroethane	3.869	63	5500	0.290	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	11362	1.057	ug/L	82
29) 1,1,1-Trichloroethane	5.309	97	5660	0.349	ug/L	95
34) Trichloroethene	6.537	95	70862	6.388	ug/L	97
47) Tetrachloroethene	8.553	164	5638	0.735	ug/L	94

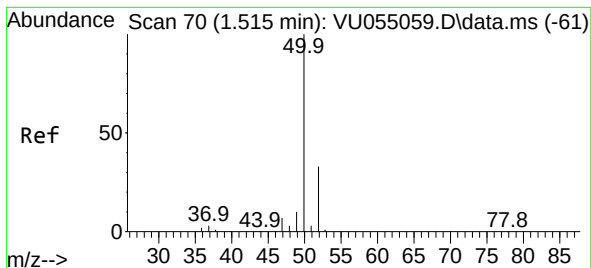
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.231 ug/L

RT: 1.518 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU055077.D

Acq: 02 Sep 2023 06:20

Instrument :

MSVOA_U

ClientSampleId :

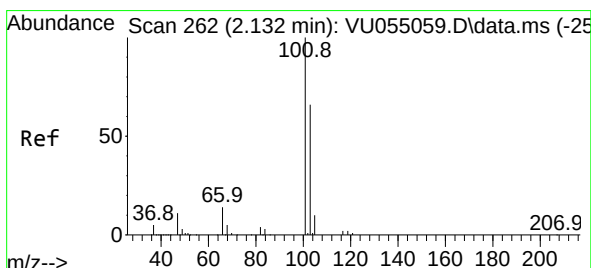
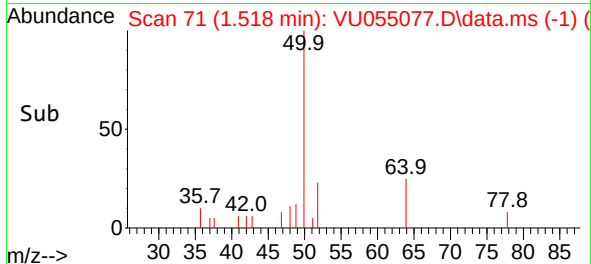
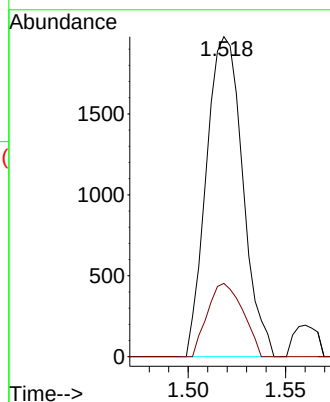
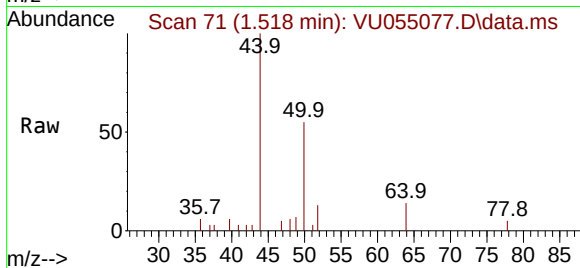
BH4C1

Tgt Ion: 50 Resp: 2564

Ion Ratio Lower Upper

50 100

52 22.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 0.577 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.003 min

Lab File: VU055077.D

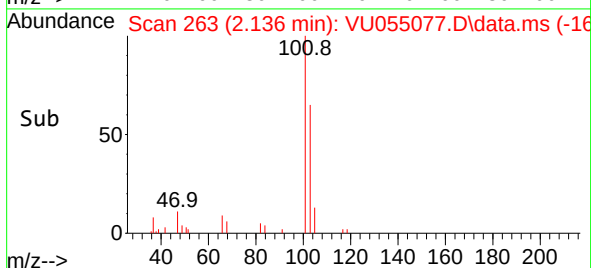
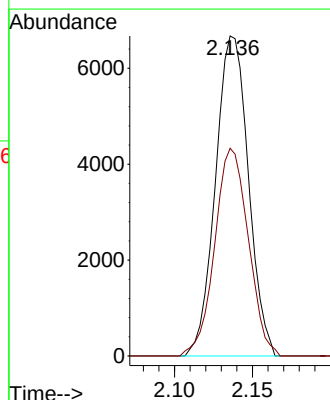
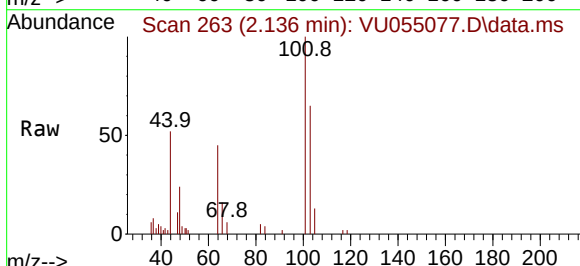
Acq: 02 Sep 2023 06:20

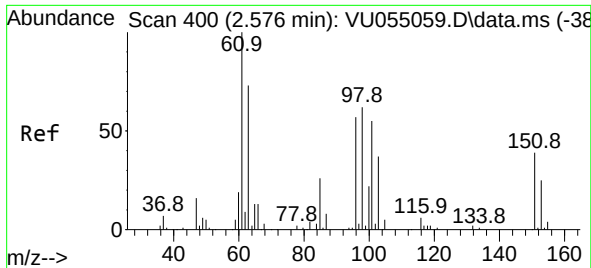
Tgt Ion: 101 Resp: 9804

Ion Ratio Lower Upper

101 100

103 66.2 51.9 77.9

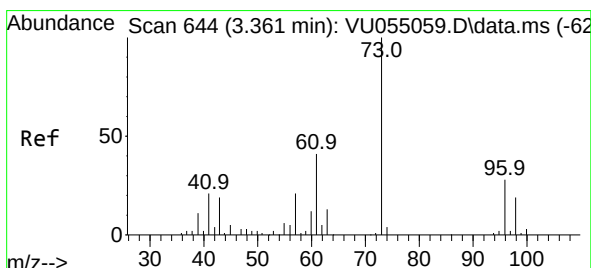
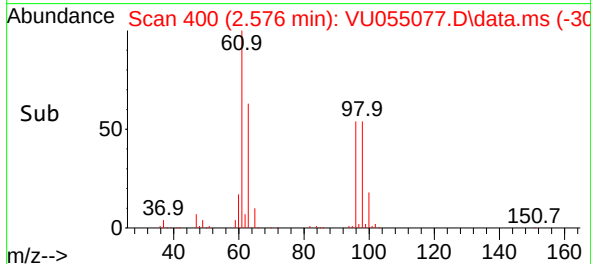
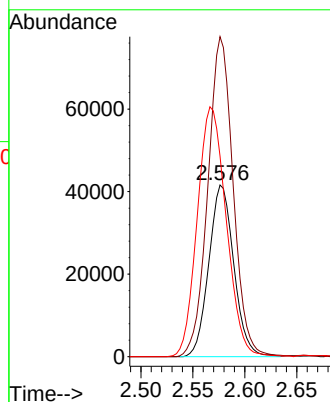
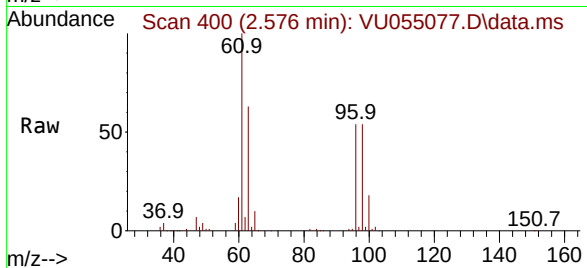




#12
1,1-Dichloroethene
Concen: 8.029 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055077.D
Acq: 02 Sep 2023 06:20

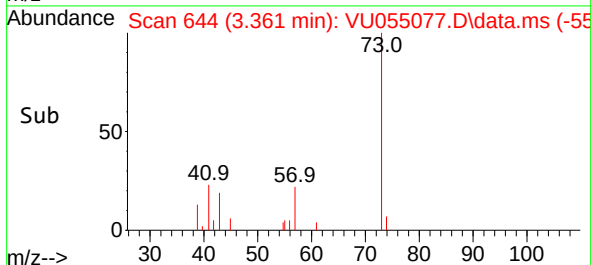
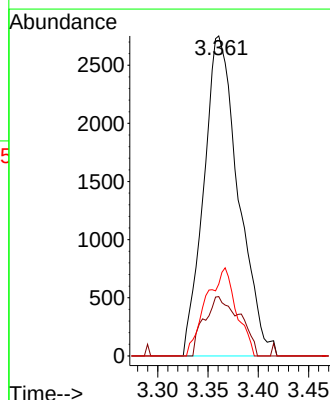
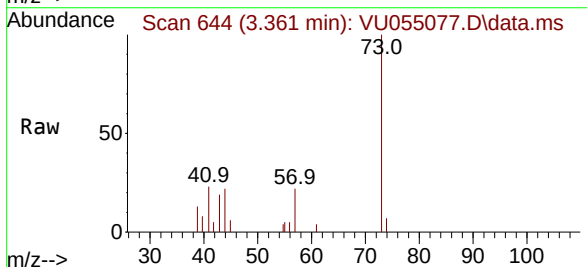
Instrument :
MSVOA_U
ClientSampleId :
BH4C1

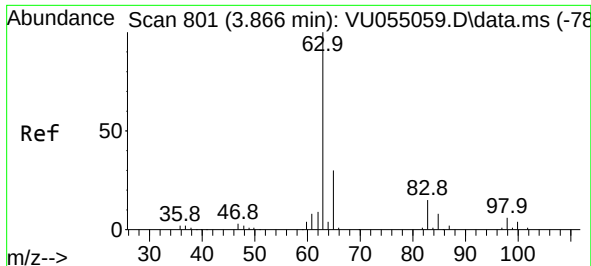
Tgt Ion: 96 Resp: 69501
Ion Ratio Lower Upper
96 100
61 186.3 120.8 224.4
63 116.8 94.5 175.5



#17
Methyl tert-butyl Ether
Concen: 0.290 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055077.D
Acq: 02 Sep 2023 06:20

Tgt Ion: 73 Resp: 6589
Ion Ratio Lower Upper
73 100
43 19.0 16.2 24.2
57 24.2 17.4 26.2





#19

1,1-Dichloroethane

Concen: 0.290 ug/L

RT: 3.869 min Scan# 801

Delta R.T. 0.003 min

Lab File: VU055077.D

Acq: 02 Sep 2023 06:20

Instrument :

MSVOA_U

ClientSampleId :

BH4C1

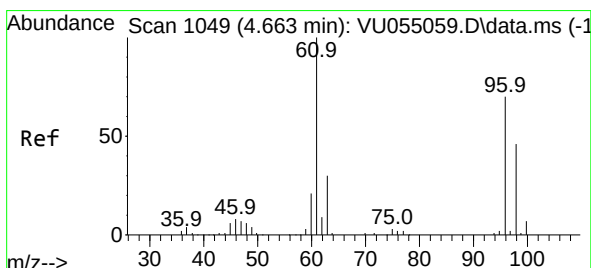
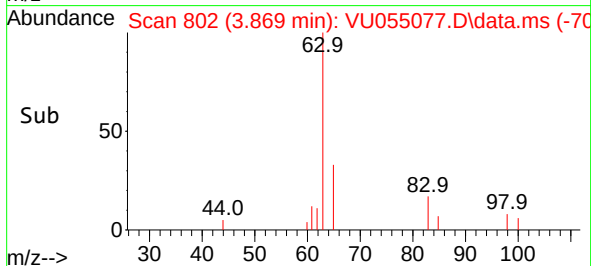
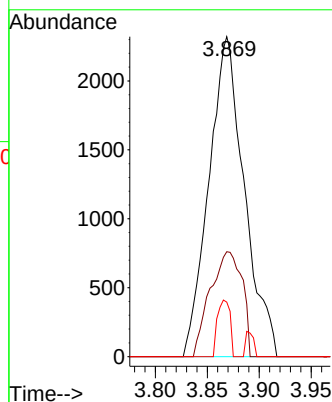
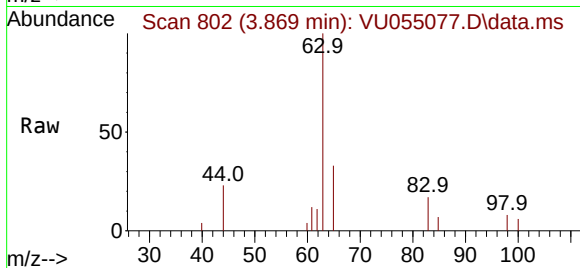
Tgt Ion: 63 Resp: 5500

Ion Ratio Lower Upper

63 100

65 32.8 22.2 41.2

83 17.1 10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 1.057 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055077.D

Acq: 02 Sep 2023 06:20

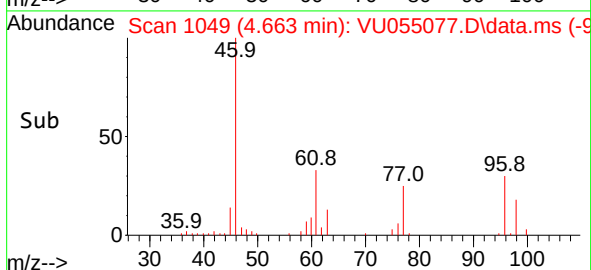
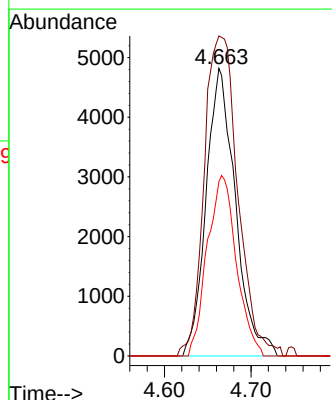
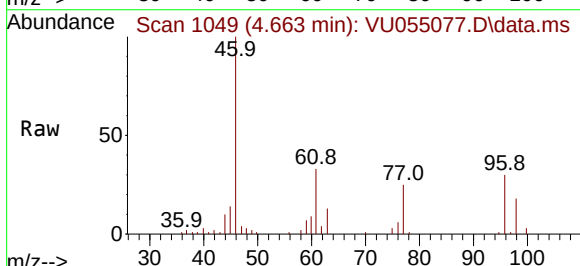
Tgt Ion: 96 Resp: 11362

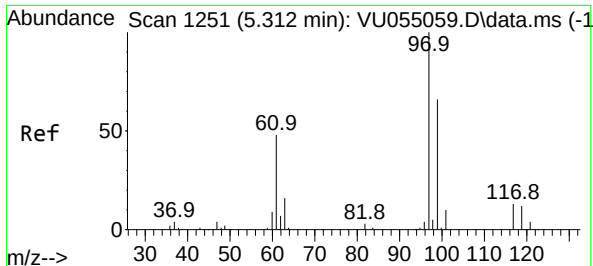
Ion Ratio Lower Upper

96 100

61 111.3 97.2 180.4

98 60.6 46.1 85.7





#29

1,1,1-Trichloroethane

Concen: 0.349 ug/L

RT: 5.309 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055077.D

Acq: 02 Sep 2023 06:20

Instrument :

MSVOA_U

ClientSampleId :

BH4C1

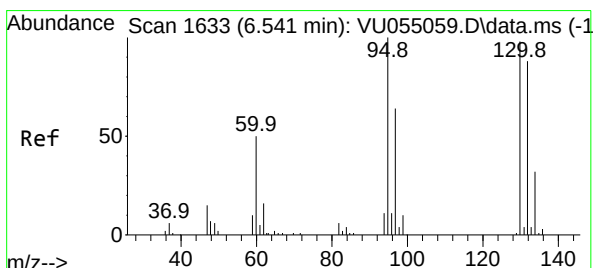
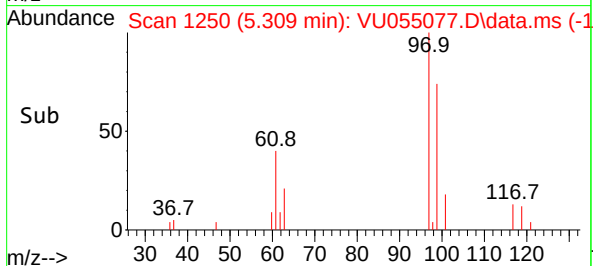
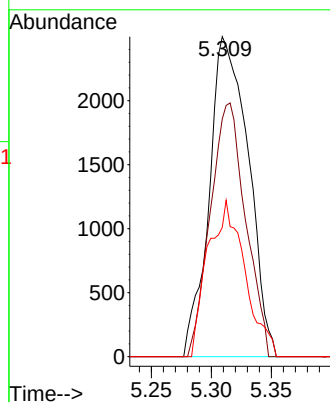
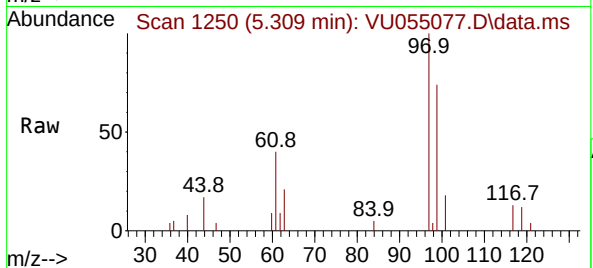
Tgt Ion: 97 Resp: 5660

Ion Ratio Lower Upper

97 100

99 71.7 51.8 77.8

61 46.2 36.8 55.2



#34

Trichloroethene

Concen: 6.388 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.003 min

Lab File: VU055077.D

Acq: 02 Sep 2023 06:20

Tgt Ion: 95 Resp: 70862

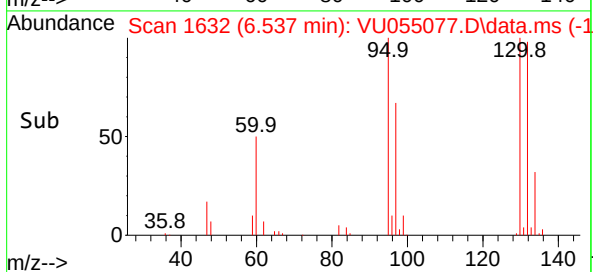
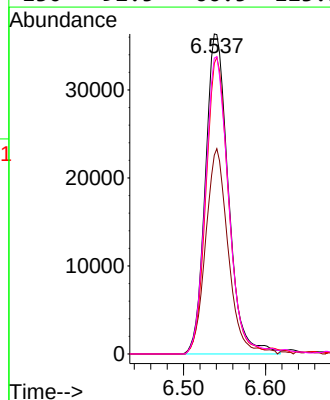
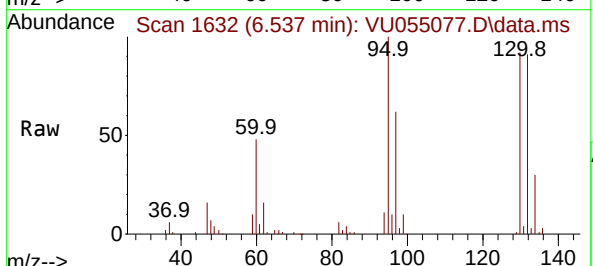
Ion Ratio Lower Upper

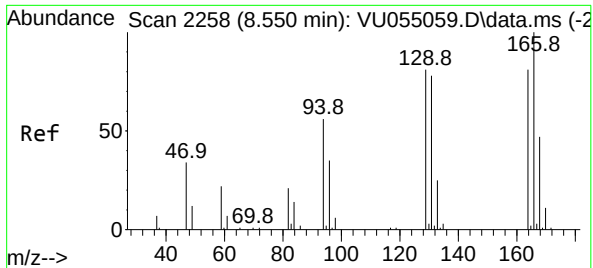
95 100

97 62.1 44.7 83.1

132 90.8 66.6 123.6

130 92.5 66.5 123.5





#47
 Tetrachloroethene
 Concen: 0.735 ug/L
 RT: 8.553 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VU055077.D
 Acq: 02 Sep 2023 06:20

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4C1

Tgt Ion:164	Resp:	5638
Ion	Ratio	Lower Upper
164	100	
129	102.2	69.2 128.6
131	94.2	68.8 127.8
166	121.9	92.3 171.5

