

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055111.D
 Acq On : 05 Sep 2023 22:36
 Operator : MD/SY
 Sample : 04230-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4B6

Quant Time: Sep 06 05:24:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	187024	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	189940	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	98259	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	37759	4.308	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.907	69	43672	4.304	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.000%
11) 1,1-Dichloroethene-d2	2.560	65	22353	4.476	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	4.627	46	136516	53.669	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.340%
24) Chloroform-d	5.058	84	113013	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.701	65	57776	4.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	214547	4.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.688	67	71479	4.793	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.897	98	192742	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.184	79	18359	4.471	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.634	63	83406	50.027	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.060%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	51510	4.912	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	69018	4.812	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.200%

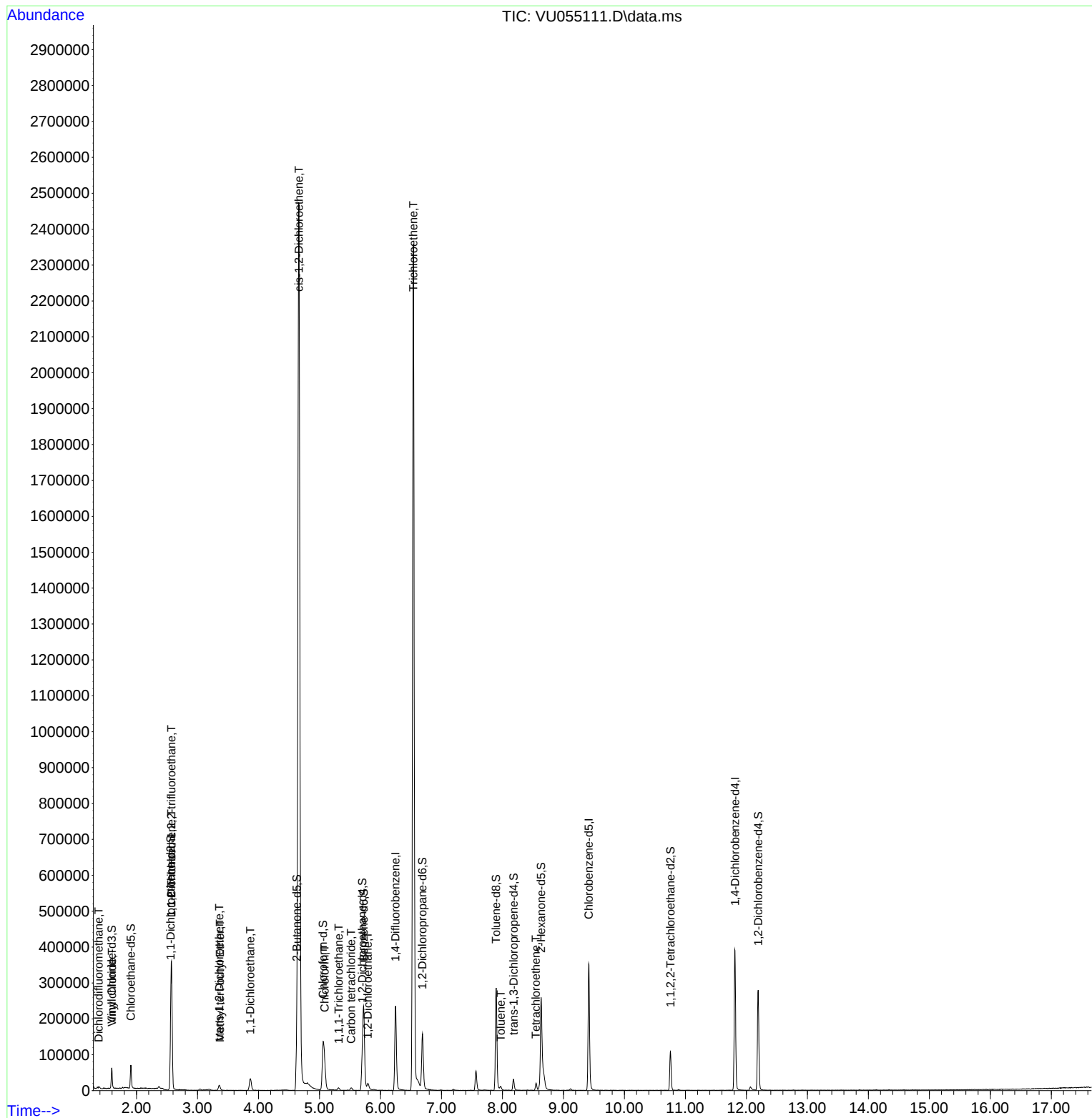
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	2259	0.208	ug/L	97
5) Vinyl chloride	1.599	62	2084	0.179	ug/L #	61
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	2049	0.207	ug/L #	71
12) 1,1-Dichloroethene	2.573	96	95732	11.072	ug/L	83
17) Methyl tert-butyl Ether	3.370	73	7217	0.318	ug/L	98
18) trans-1,2-Dichloroethene	3.357	96	3749	0.427	ug/L #	71
19) 1,1-Dichloroethane	3.865	63	38617	2.037	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	1261164	117.444	ug/L	96
25) Chloroform	5.084	83	54020	2.736	ug/L	94
27) 1,2-Dichloroethane	5.791	62	13790	1.144	ug/L #	92
29) 1,1,1-Trichloroethane	5.316	97	4683	0.285	ug/L	92
31) Carbon tetrachloride	5.518	117	4687	0.343	ug/L	97
34) Trichloroethene	6.541	95	810919	72.179	ug/L	98
42) Toluene	7.971	91	7519	0.174	ug/L	84
47) Tetrachloroethene	8.550	164	4335	0.558	ug/L	93

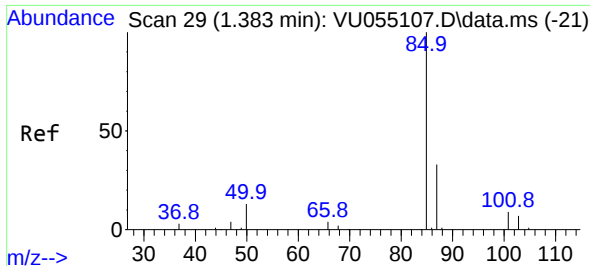
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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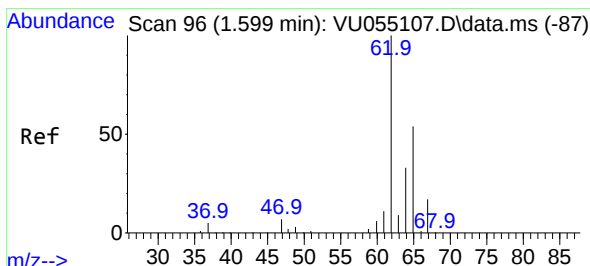
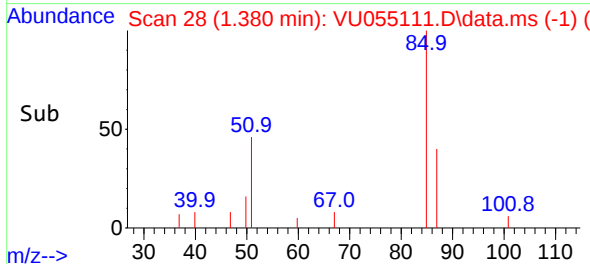
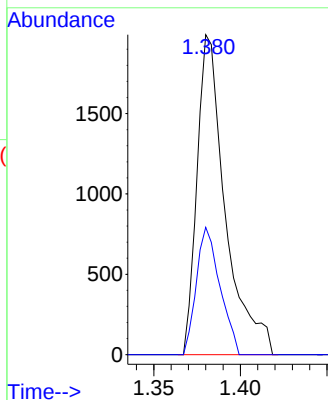
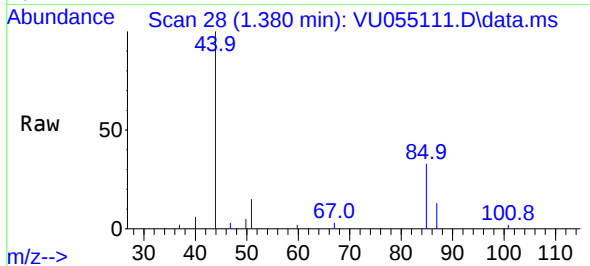




#2
Dichlorodifluoromethane
Concen: 0.208 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

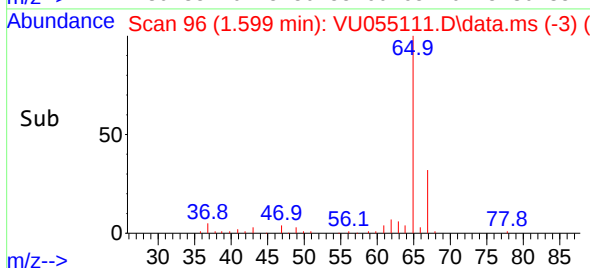
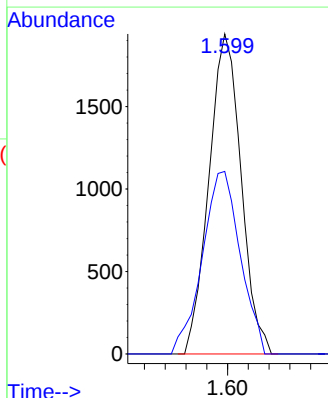
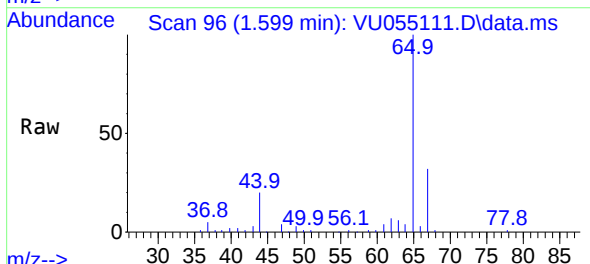
Instrument :
MSVOA_U
ClientSampleId :
BH4B6

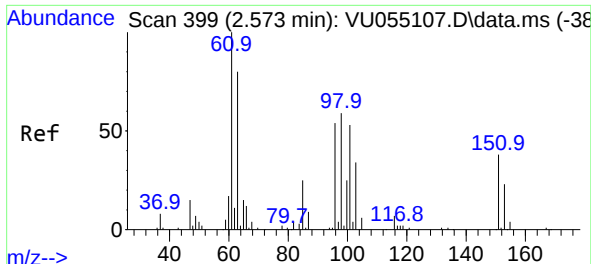
Tgt Ion: 85 Resp: 2259
Ion Ratio Lower Upper
85 100
87 33.1 25.1 37.7



#5
Vinyl chloride
Concen: 0.179 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

Tgt Ion: 62 Resp: 2084
Ion Ratio Lower Upper
62 100
64 57.1 24.2 45.0#

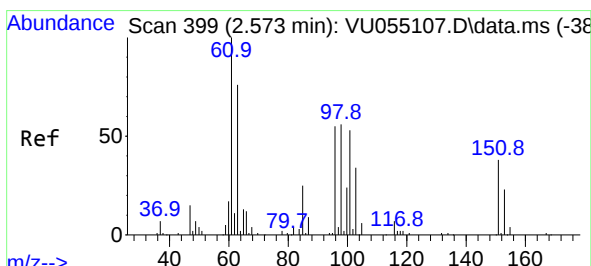
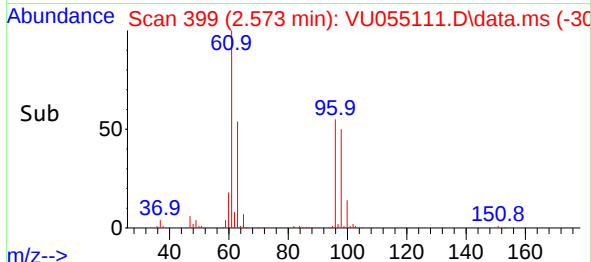
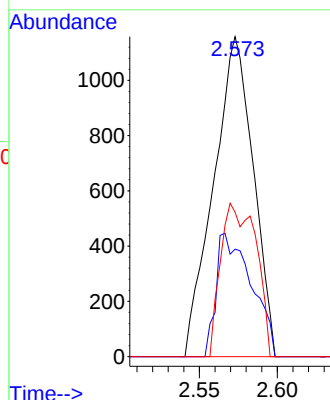
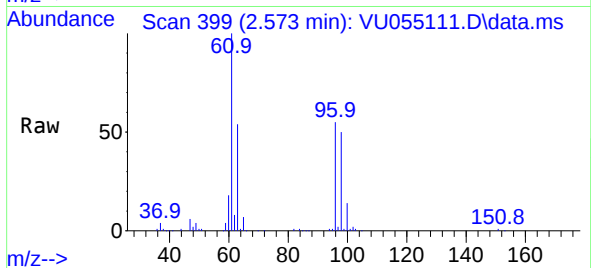




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.207 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

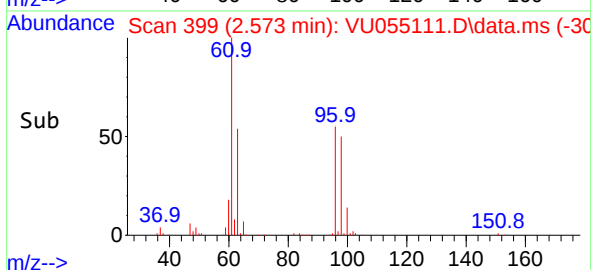
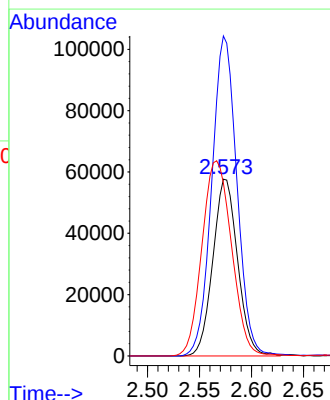
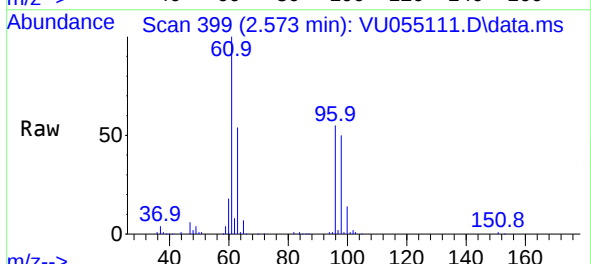
Instrument :
MSVOA_U
ClientSampleId :
BH4B6

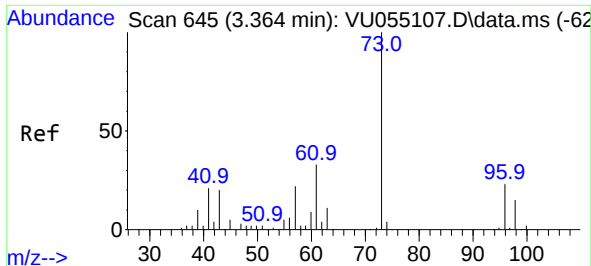
Tgt Ion:101 Resp: 2049
Ion Ratio Lower Upper
101 100
85 34.3 37.3 55.9#
151 42.8 57.6 86.4#



#12
1,1-Dichloroethene
Concen: 11.072 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

Tgt Ion: 96 Resp: 95732
Ion Ratio Lower Upper
96 100
61 181.0 120.8 224.4
63 97.8 94.5 175.5

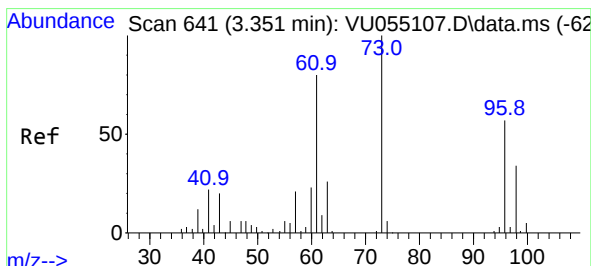
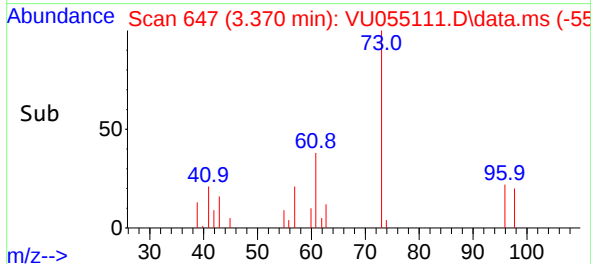
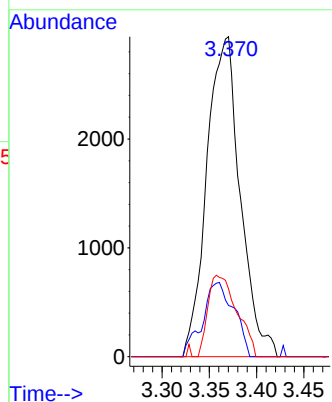
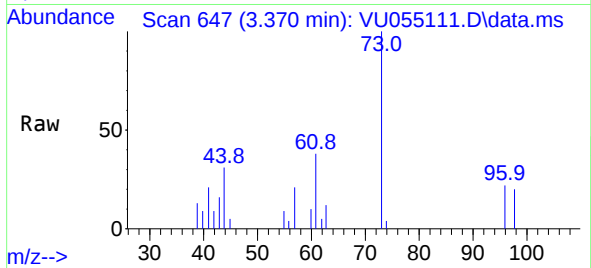




#17
Methyl tert-butyl Ether
Concen: 0.318 ug/L
RT: 3.370 min Scan# 645
Delta R.T. 0.006 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

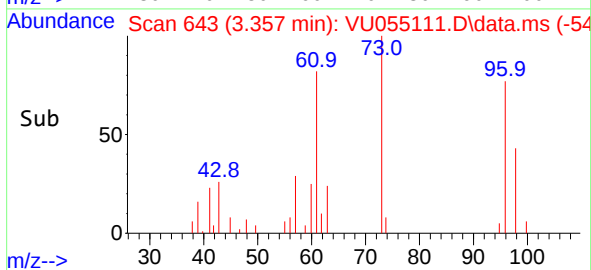
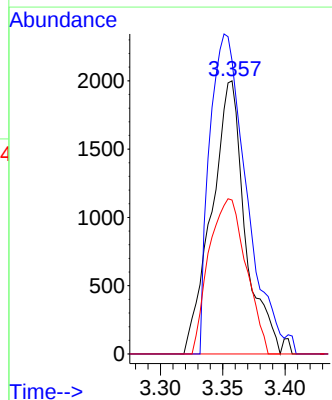
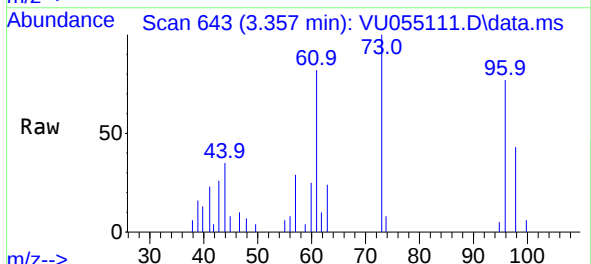
Instrument :
MSVOA_U
ClientSampleId :
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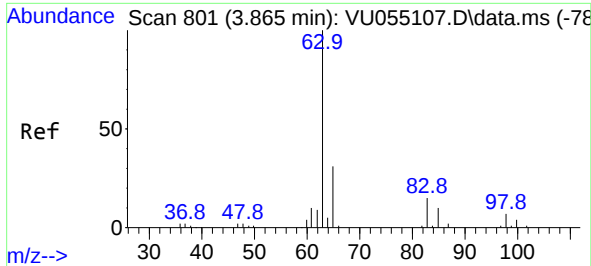
Tgt Ion: 73	Resp: 7217		
Ion Ratio	Lower	Upper	
73 100			
43 21.9	16.2	24.2	
57 22.1	17.4	26.2	



#18
trans-1,2-Dichloroethene
Concen: 0.427 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

Tgt Ion: 96	Resp: 3749		
Ion Ratio	Lower	Upper	
96 100			
61 107.4	108.1	200.9#	
98 56.4	45.4	84.4	



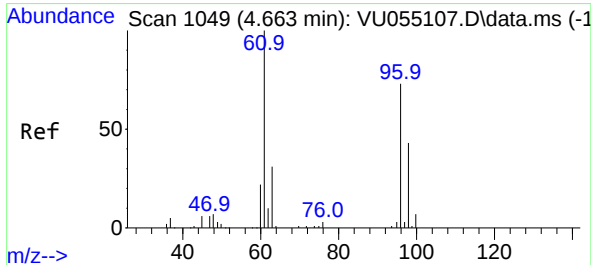
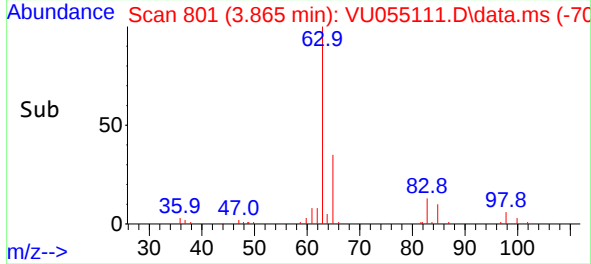
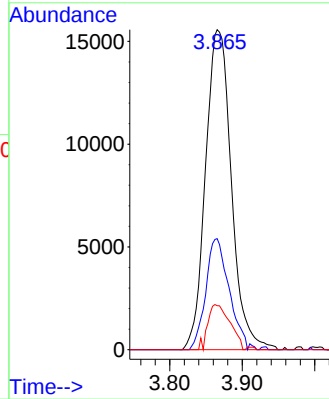
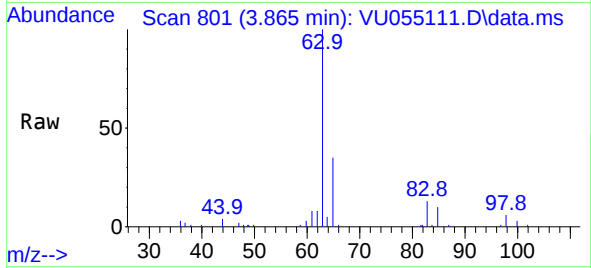


#19
1,1-Dichloroethane
Concen: 2.037 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

Instrument :
MSVOA_U
ClientSampleId :
BH4B6

Tgt Ion: 63 Resp: 38617

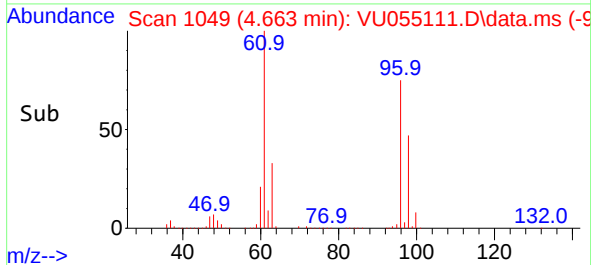
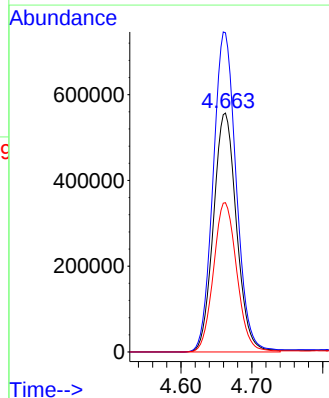
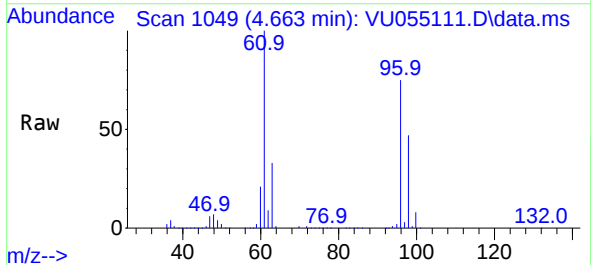
Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.2	41.2
83	13.1	10.6	19.8

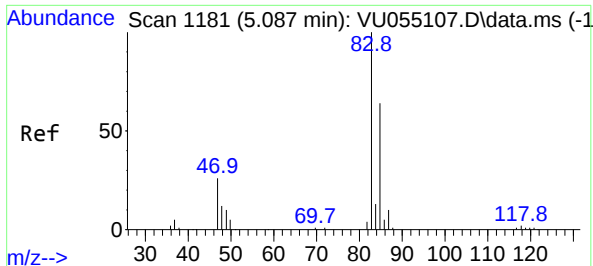


#22
cis-1,2-Dichloroethene
Concen: 117.444 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055111.D
Acq: 05 Sep 2023 22:36

Tgt Ion: 96 Resp: 1261164

Ion	Ratio	Lower	Upper
96	100		
61	133.7	97.2	180.4
98	62.5	46.1	85.7





#25

Chloroform

Concen: 2.736 ug/L

RT: 5.084 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU055111.D

Acq: 05 Sep 2023 22:36

Instrument :

MSVOA_U

ClientSampleId :

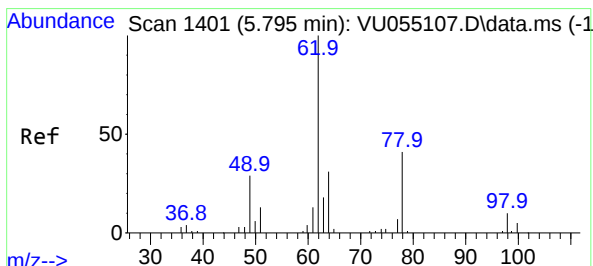
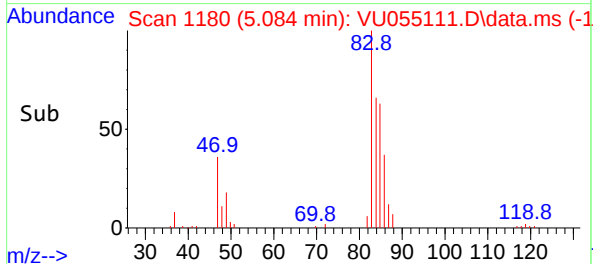
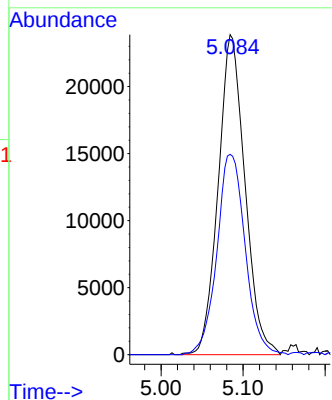
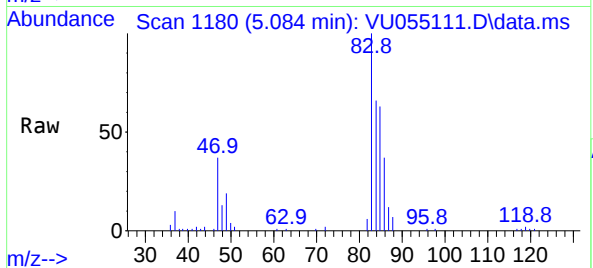
BH4B6

Tgt Ion: 83 Resp: 54020

Ion Ratio Lower Upper

83 100

85 62.6 47.2 87.6



#27

1,2-Dichloroethane

Concen: 1.144 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU055111.D

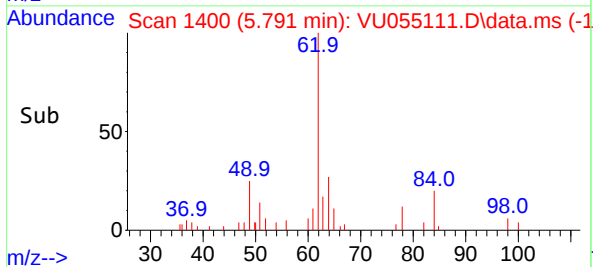
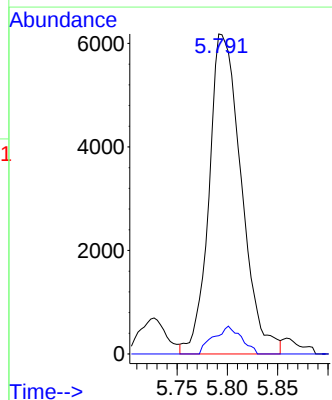
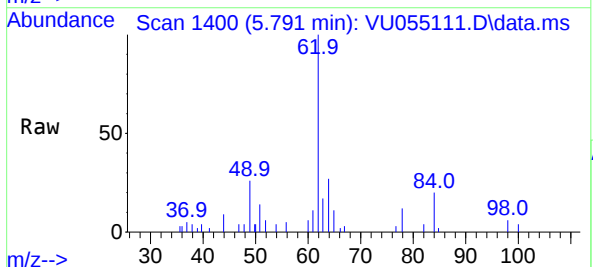
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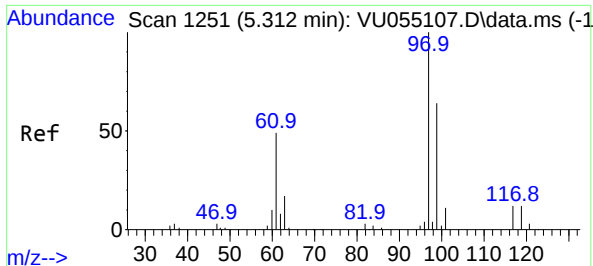
Tgt Ion: 62 Resp: 13790

Ion Ratio Lower Upper

62 100

98 5.7 6.9 10.3#





#29

1,1,1-Trichloroethane

Concen: 0.285 ug/L

RT: 5.316 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055111.D

Acq: 05 Sep 2023 22:36

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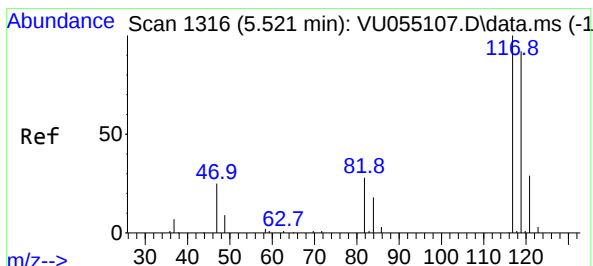
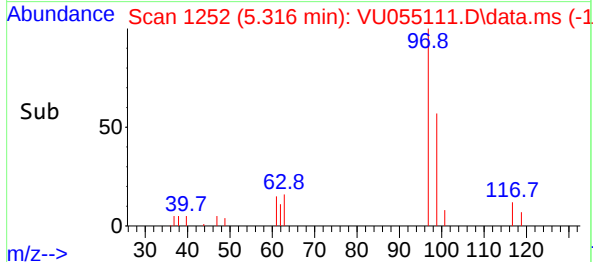
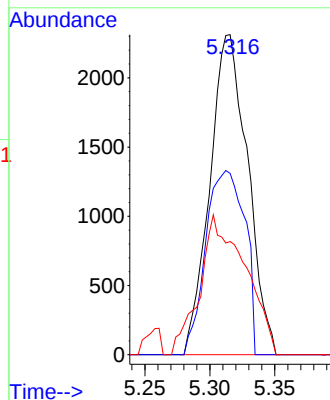
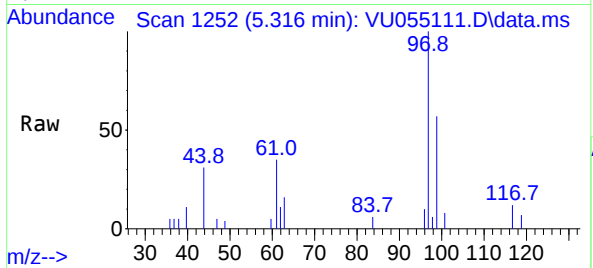
Tgt Ion: 97 Resp: 4683

Ion Ratio Lower Upper

97 100

99 59.5 51.8 77.8

61 52.5 36.8 55.2



#31

Carbon tetrachloride

Concen: 0.343 ug/L

RT: 5.518 min Scan# 1315

Delta R.T. -0.003 min

Lab File: VU055111.D

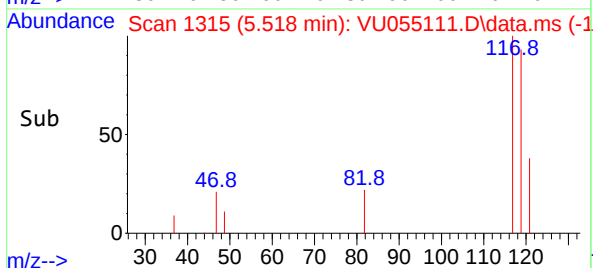
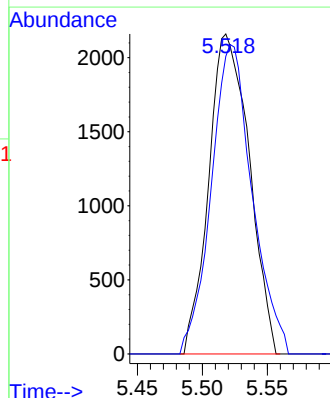
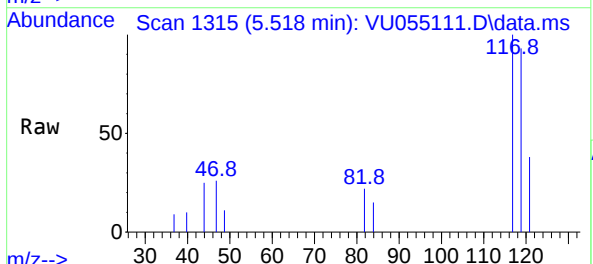
Acq: 05 Sep 2023 22:36

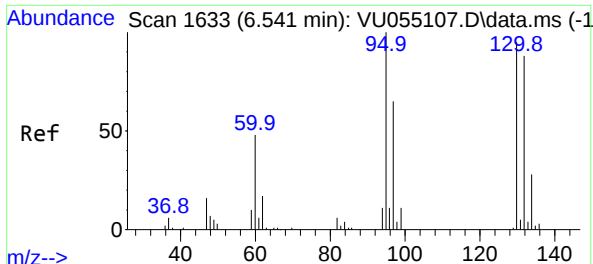
Tgt Ion: 117 Resp: 4687

Ion Ratio Lower Upper

117 100

119 97.4 75.4 113.0





#34

Trichloroethene

Concen: 72.179 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055111.D

Acq: 05 Sep 2023 22:36

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 810919

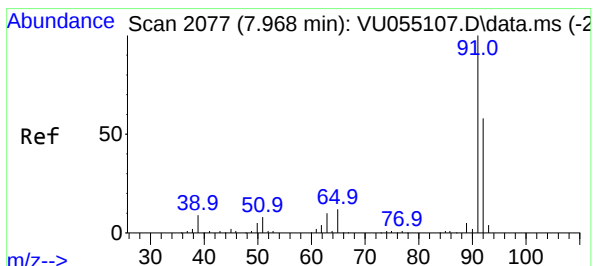
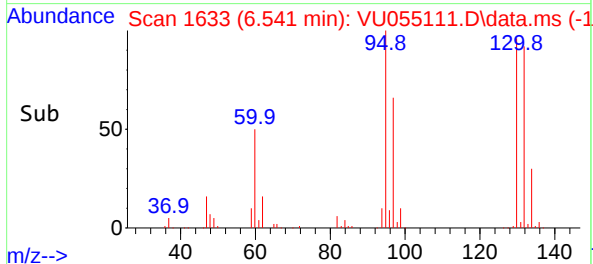
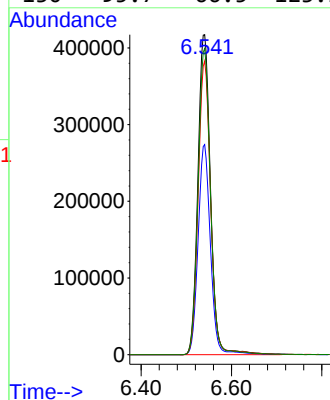
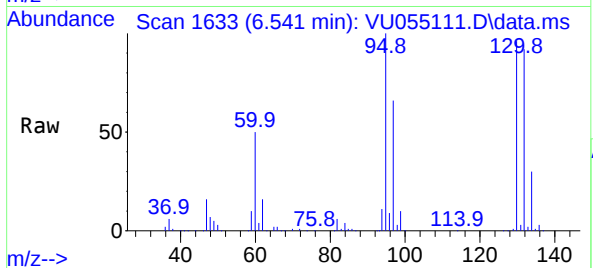
Ion Ratio Lower Upper

95 100

97 65.7 44.7 83.1

132 91.8 66.6 123.6

130 95.7 66.5 123.5



#42

Toluene

Concen: 0.174 ug/L

RT: 7.971 min Scan# 2078

Delta R.T. 0.003 min

Lab File: VU055111.D

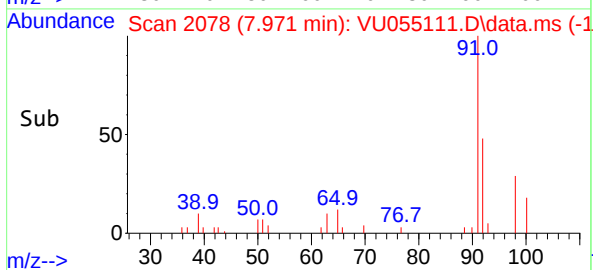
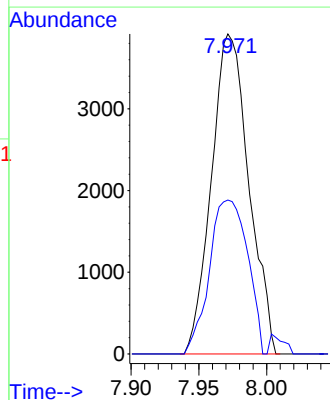
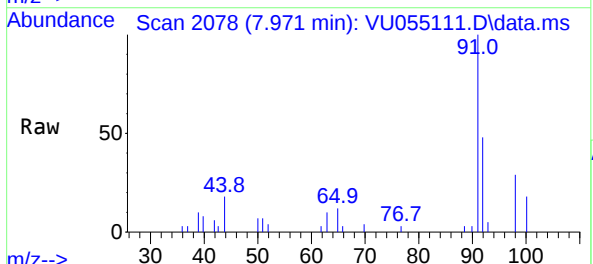
Acq: 05 Sep 2023 22:36

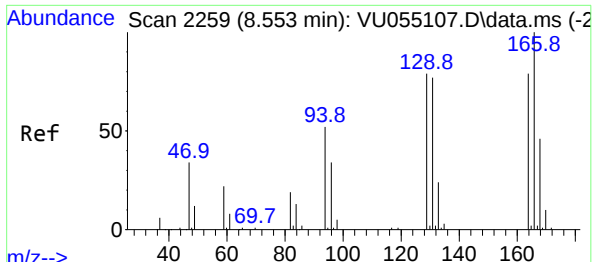
Tgt Ion: 91 Resp: 7519

Ion Ratio Lower Upper

91 100

92 48.1 41.9 77.9





#47
 Tetrachloroethene
 Concen: 0.558 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055111.D
 Acq: 05 Sep 2023 22:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4B6

Tgt Ion:164 Resp: 4335

Ion	Ratio	Lower	Upper
164	100		
129	89.9	69.2	128.6
131	99.0	68.8	127.8
166	120.7	92.3	171.5

