

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055360.D
 Acq On : 15 Sep 2023 23:54
 Operator : MD/SY
 Sample : 04380-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L7

Quant Time: Sep 16 00:47:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:42:29 2023
 Response via : Initial Calibration

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

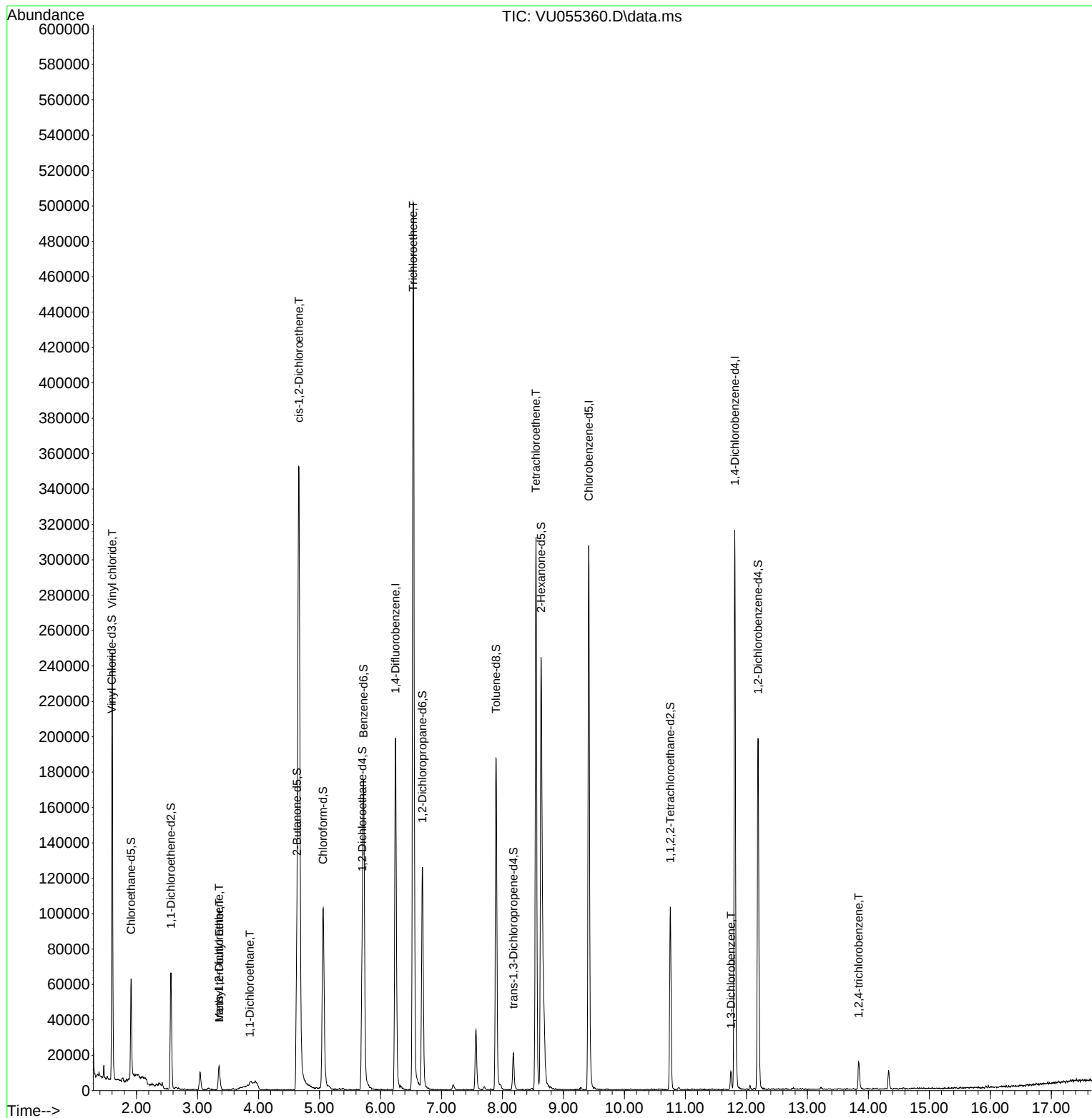
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	161910	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	169612	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	77971	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	22459	2.413	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	48.200%
7) Chloroethane-d5	1.911	69	39050	3.718	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.400%
11) 1,1-Dichloroethene-d2	2.563	65	11950	3.550	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	4.631	46	146258	56.835	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.660%
24) Chloroform-d	5.058	84	95168	4.579	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.701	65	50876	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.724	84	165152	4.645	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.689	67	59805	4.937	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.894	98	130818	4.268	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.180	79	11896	2.767	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.400%
46) 2-Hexanone-d5	8.634	63	75350	48.178	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.360%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	51821	4.919	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	51132	5.092	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	147092	9.162	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	3603	0.132	ug/L #	82
18) trans-1,2-Dichloroethene	3.354	96	4317	0.345	ug/L	87
19) 1,1-Dichloroethane	3.859	63	2380	0.098	ug/L #	75
22) cis-1,2-Dichloroethene	4.663	96	171332	11.688	ug/L	100
34) Trichloroethene	6.537	95	169880	10.632	ug/L	97
47) Tetrachloroethene	8.550	164	64737	5.911	ug/L	94
64) 1,3-Dichlorobenzene	11.749	146	4074	0.155	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	4788	0.349	ug/L	94

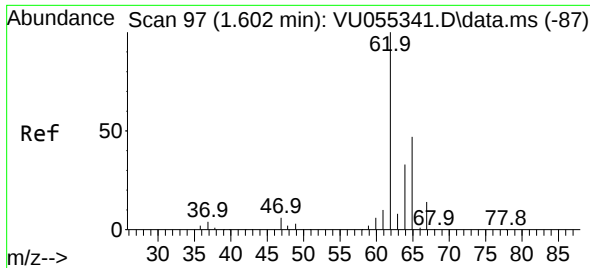
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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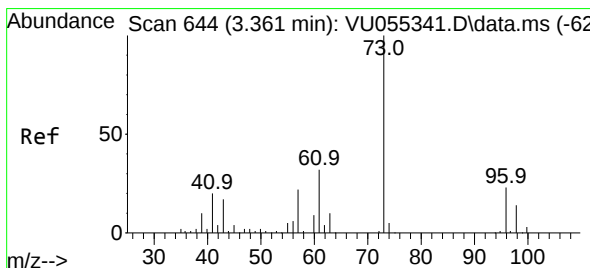
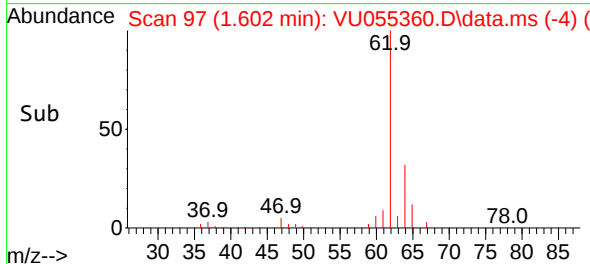
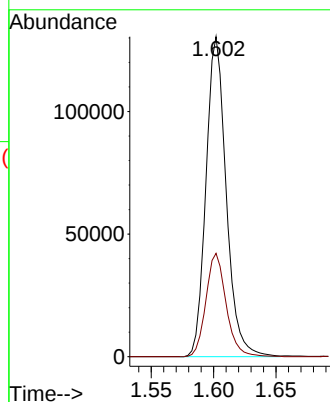
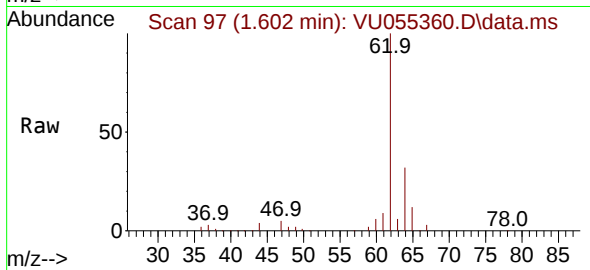




#5
 Vinyl chloride
 Concen: 9.162 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055360.D
 Acq: 15 Sep 2023 23:54

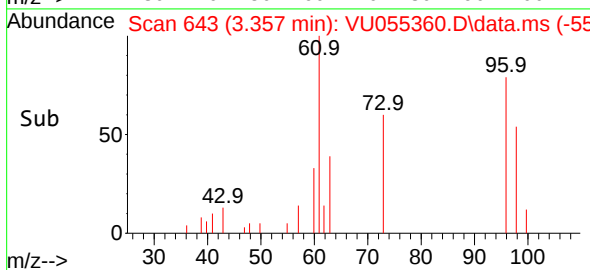
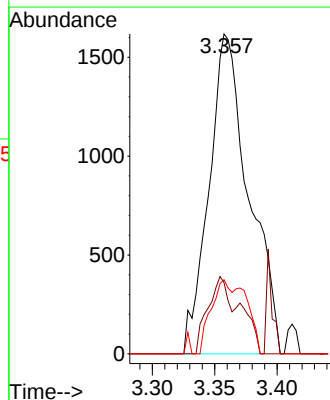
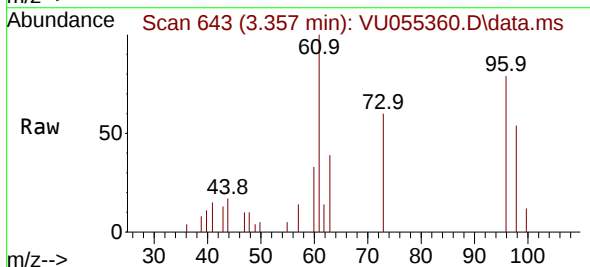
Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L7

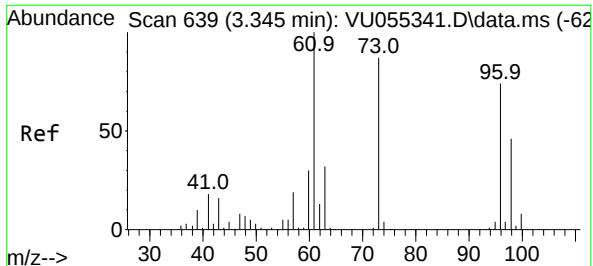
Tgt Ion: 62 Resp: 147092
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.4 43.6



#17
 Methyl tert-butyl Ether
 Concen: 0.132 ug/L
 RT: 3.357 min Scan# 643
 Delta R.T. -0.003 min
 Lab File: VU055360.D
 Acq: 15 Sep 2023 23:54

Tgt Ion: 73 Resp: 3603
 Ion Ratio Lower Upper
 73 100
 43 12.9 16.0 24.0#
 57 11.9 17.2 25.8#

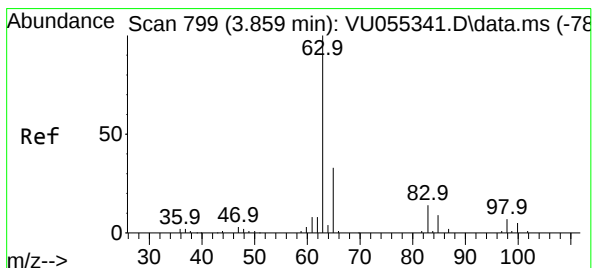
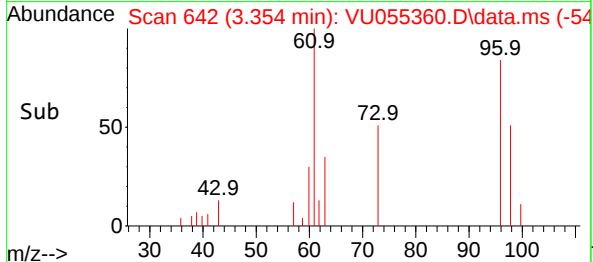
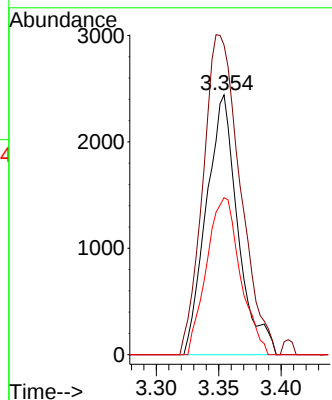
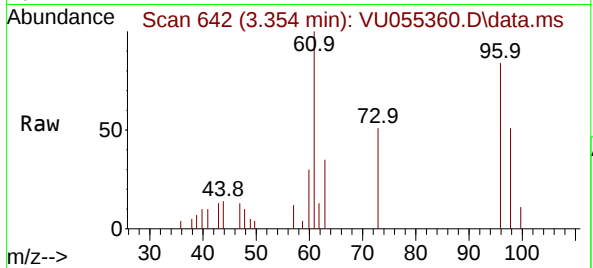




#18
trans-1,2-Dichloroethene
Concen: 0.345 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.010 min
Lab File: VU055360.D
Acq: 15 Sep 2023 23:54

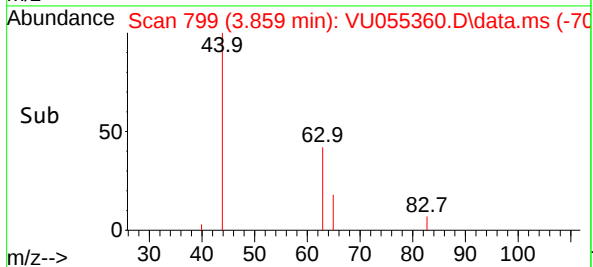
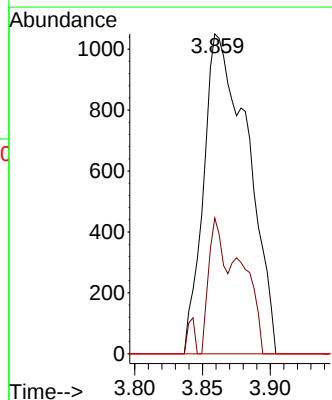
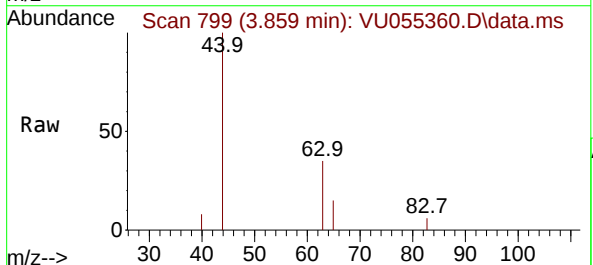
Instrument :
MSVOA_U
ClientSampleId :
BH4L7

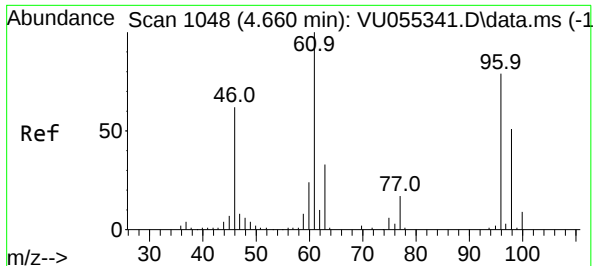
Tgt Ion: 96 Resp: 4317
Ion Ratio Lower Upper
96 100
61 119.1 97.4 181.0
98 60.4 44.6 82.8



#19
1,1-Dichloroethane
Concen: 0.098 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU055360.D
Acq: 15 Sep 2023 23:54

Tgt Ion: 63 Resp: 2380
Ion Ratio Lower Upper
63 100
65 42.5 21.8 40.6#
83 0.0 9.7 17.9#





#22

cis-1,2-Dichloroethene

Concen: 11.688 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU055360.D

Acq: 15 Sep 2023 23:54

Instrument :

MSVOA_U

ClientSampleId :

BH4L7

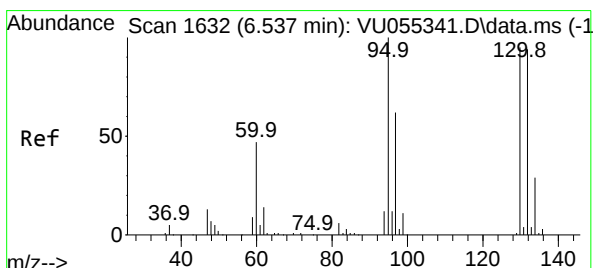
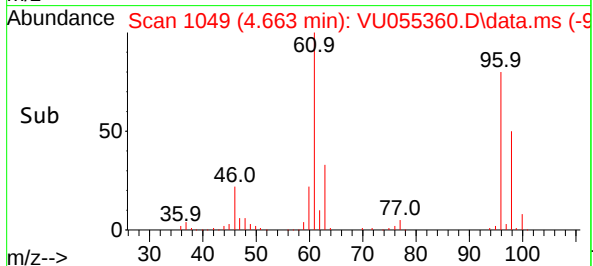
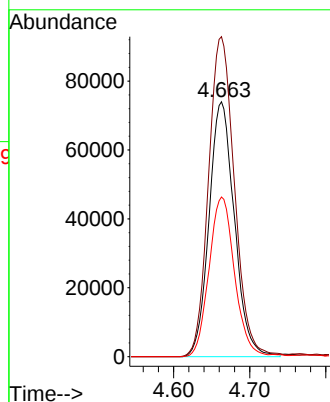
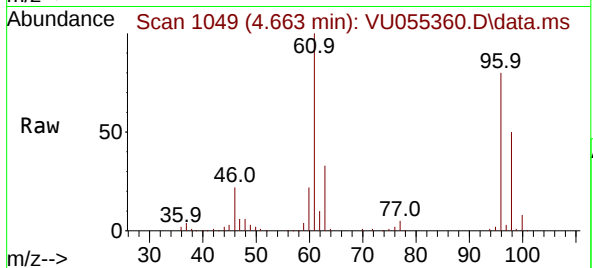
Tgt Ion: 96 Resp: 171332

Ion Ratio Lower Upper

96 100

61 125.5 88.1 163.7

98 62.6 43.5 80.7



#34

Trichloroethene

Concen: 10.632 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU055360.D

Acq: 15 Sep 2023 23:54

Tgt Ion: 95 Resp: 169880

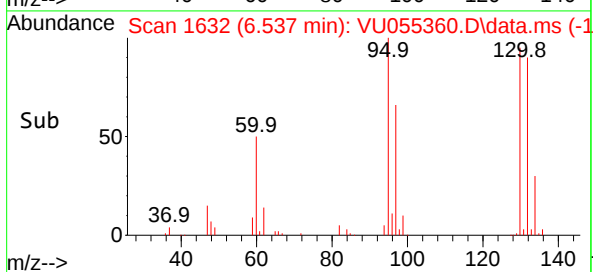
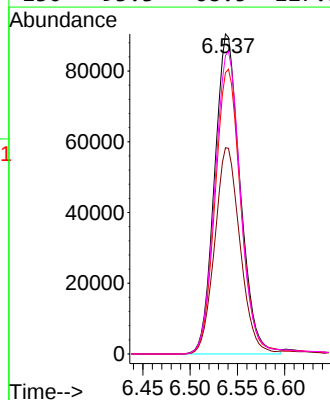
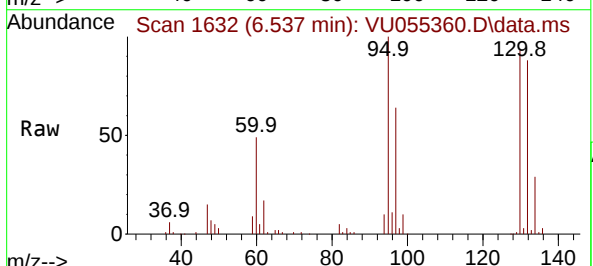
Ion Ratio Lower Upper

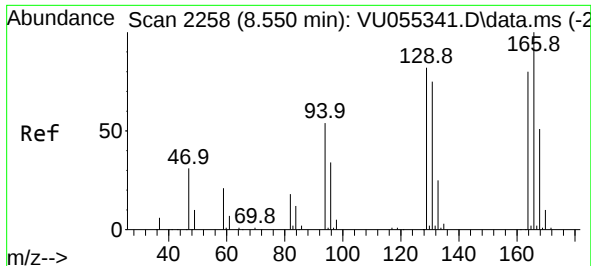
95 100

97 64.5 47.4 88.0

132 87.9 60.5 112.3

130 93.3 68.5 127.1





#47

Tetrachloroethene

Concen: 5.911 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055360.D

Acq: 15 Sep 2023 23:54

Instrument :

MSVOA_U

ClientSampleId :

BH4L7

Tgt Ion:164 Resp: 64737

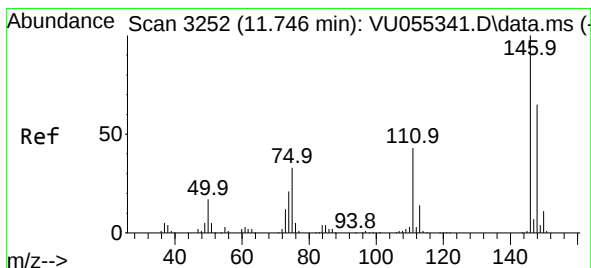
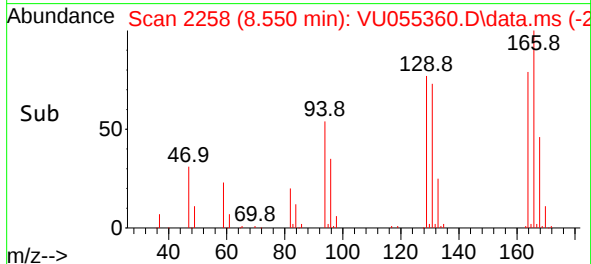
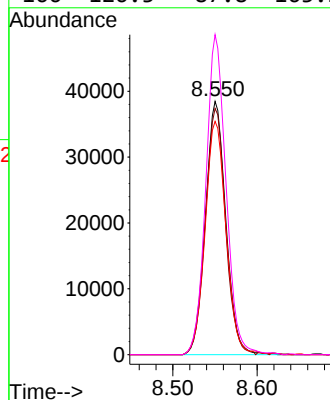
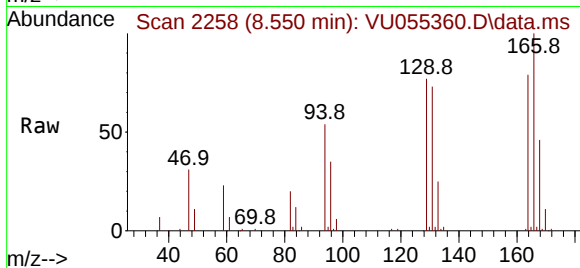
Ion Ratio Lower Upper

164 100

129 97.2 76.3 141.7

131 92.1 69.1 128.3

166 126.3 87.8 163.2



#64

1,3-Dichlorobenzene

Concen: 0.155 ug/L

RT: 11.749 min Scan# 3253

Delta R.T. 0.003 min

Lab File: VU055360.D

Acq: 15 Sep 2023 23:54

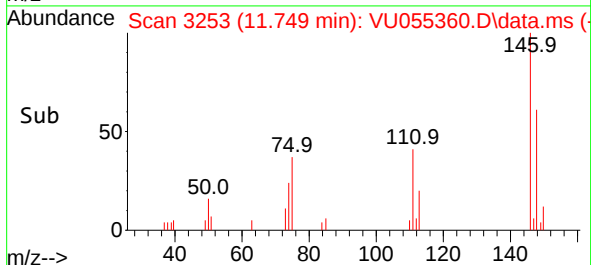
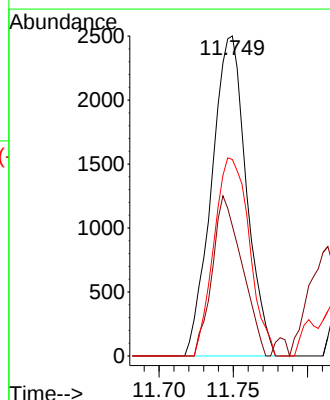
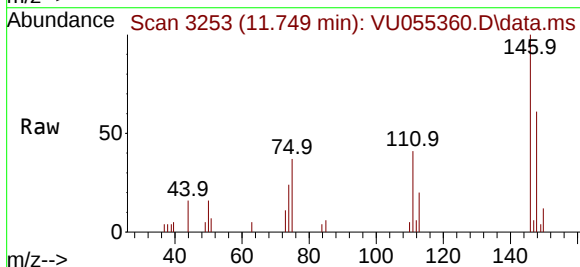
Tgt Ion:146 Resp: 4074

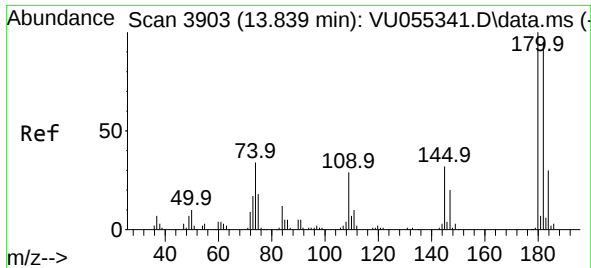
Ion Ratio Lower Upper

146 100

111 40.7 30.4 56.4

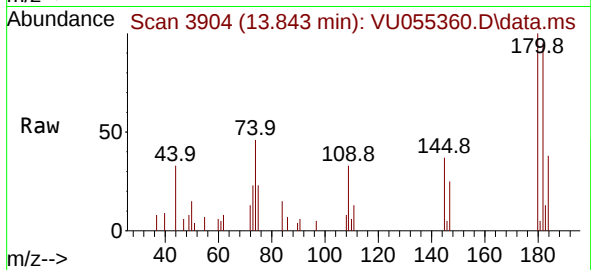
148 61.4 44.9 83.5





#70
 1,2,4-trichlorobenzene
 Concen: 0.349 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.003 min
 Lab File: VU055360.D
 Acq: 15 Sep 2023 23:54

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4L7



Tgt Ion:	180	Resp:	4788
Ion	Ratio	Lower	Upper
180	100		
182	99.5	76.3	114.5
145	38.1	25.8	38.8

