

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056201.D
 Acq On : 11 Nov 2023 03:51
 Operator : MD/SY
 Sample : 05339-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCDK2

Quant Time: Nov 11 04:11:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 00:40:59 2023
 Response via : Initial Calibration

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

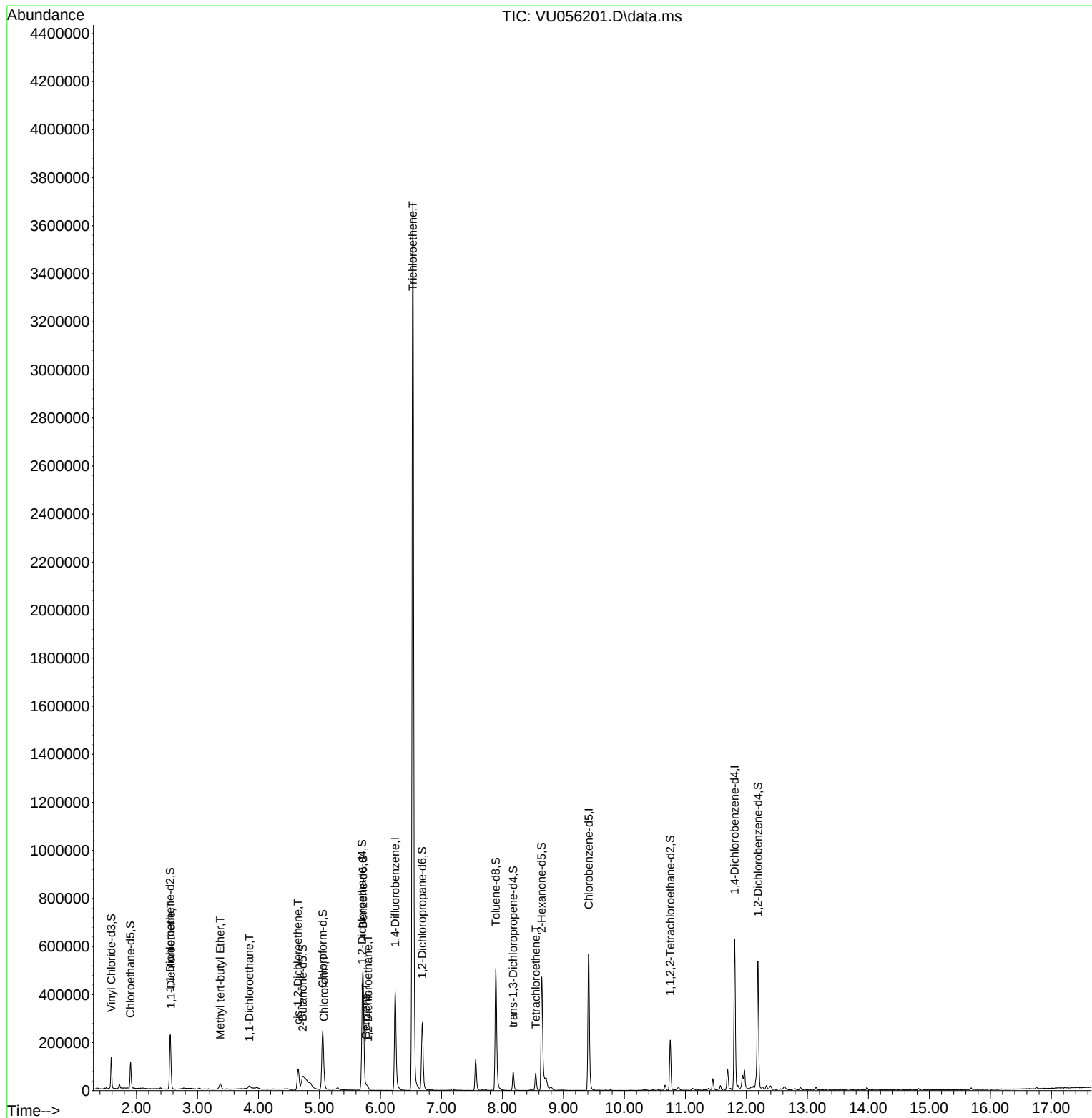
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	361479	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	358736	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	173217	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	90036	4.013	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.901	69	81732	5.368	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.400%
11) 1,1-Dichloroethene-d2	2.550	65	39482	3.994	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	4.724	46	239565m	65.083	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.160%#
24) Chloroform-d	5.052	84	227066	5.316	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
26) 1,2-Dichloroethane-d4	5.698	65	107978	5.742	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.800%
32) Benzene-d6	5.714	84	446828	5.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	6.685	67	139923	5.517	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.400%
41) Toluene-d8	7.891	98	377813	4.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	8.177	79	45818	4.726	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.643	63	181788	57.210	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.420%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	104859	5.793	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	150220	5.624	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.563	96	11016	0.474	ug/L #	1
17) Methyl tert-butyl Ether	3.374	73	28477	0.544	ug/L	98
19) 1,1-Dichloroethane	3.849	63	8805	0.196	ug/L	90
22) cis-1,2-Dichloroethene	4.650	96	49328	1.856	ug/L	97
25) Chloroform	5.074	83	22889	0.478	ug/L	100
27) 1,2-Dichloroethane	5.795	62	10230	0.378	ug/L	98
33) Benzene	5.759	78	12906	0.126	ug/L	100
34) Trichloroethene	6.531	95	1321357	47.094	ug/L	96
47) Tetrachloroethene	8.547	164	17006	0.808	ug/L	95

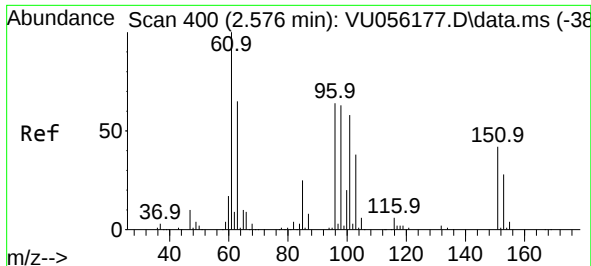
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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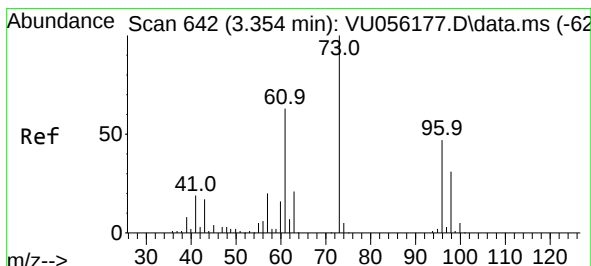
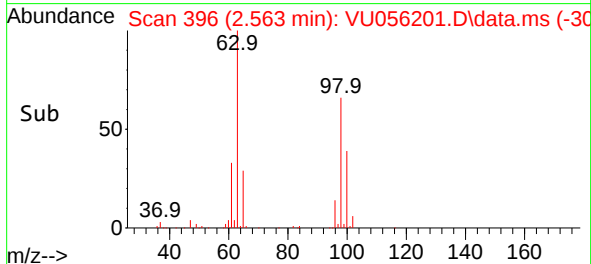
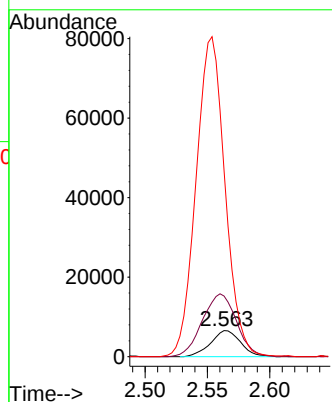
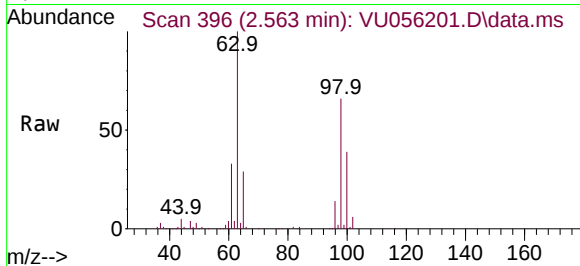




#12
1,1-Dichloroethene
Concen: 0.474 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.013 min
Lab File: VU056201.D
Acq: 11 Nov 2023 03:51

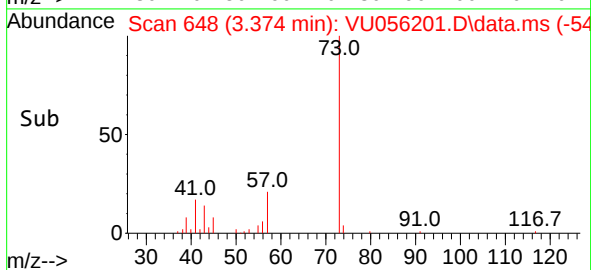
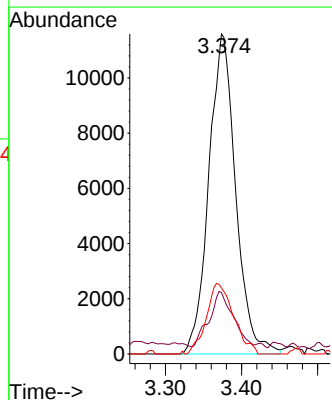
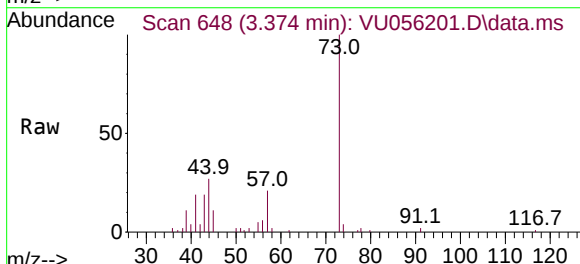
Instrument :
MSVOA_U
ClientSampleId :
GCDK2

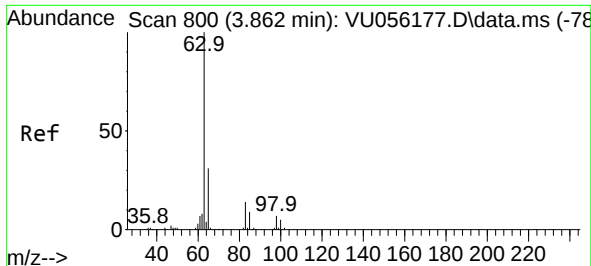
Tgt Ion: 96 Resp: 11016
Ion Ratio Lower Upper
96 100
61 232.8 111.7 207.5#
63 714.8 74.5 138.3#



#17
Methyl tert-butyl Ether
Concen: 0.544 ug/L
RT: 3.374 min Scan# 648
Delta R.T. 0.019 min
Lab File: VU056201.D
Acq: 11 Nov 2023 03:51

Tgt Ion: 73 Resp: 28477
Ion Ratio Lower Upper
73 100
43 15.4 13.6 20.4
57 22.3 17.3 25.9





#19

1,1-Dichloroethane

Concen: 0.196 ug/L

RT: 3.849 min Scan# 796

Delta R.T. -0.013 min

Lab File: VU056201.D

Acq: 11 Nov 2023 03:51

Instrument :

MSVOA_U

ClientSampleId :

GCDK2

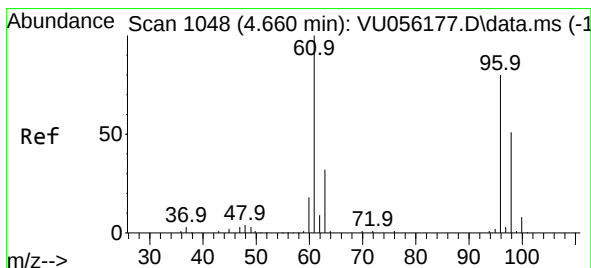
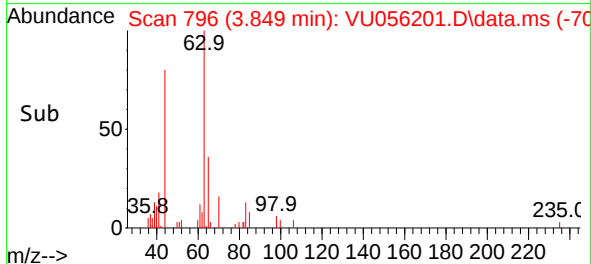
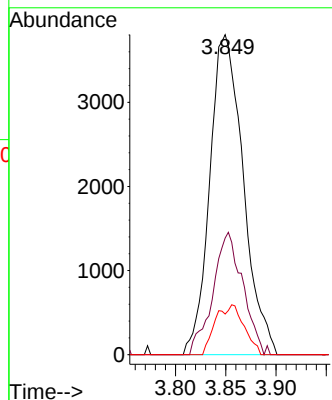
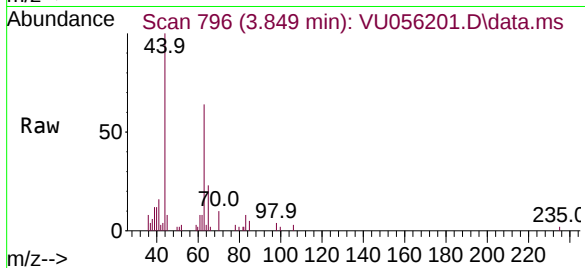
Tgt Ion: 63 Resp: 8805

Ion Ratio Lower Upper

63 100

65 36.4 20.6 38.2

83 12.7 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 1.856 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.010 min

Lab File: VU056201.D

Acq: 11 Nov 2023 03:51

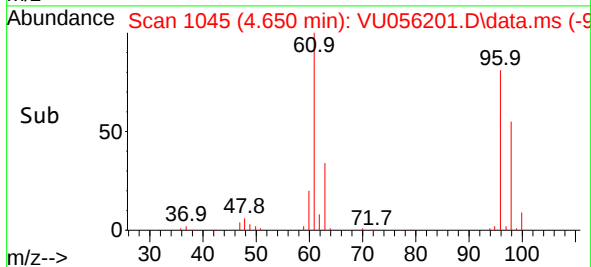
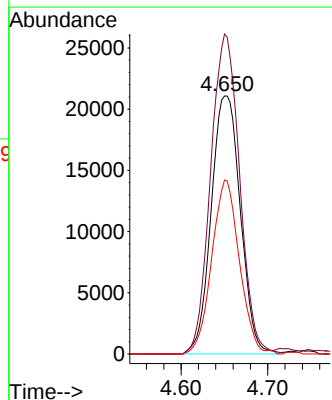
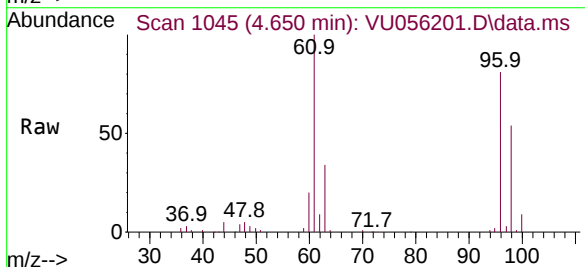
Tgt Ion: 96 Resp: 49328

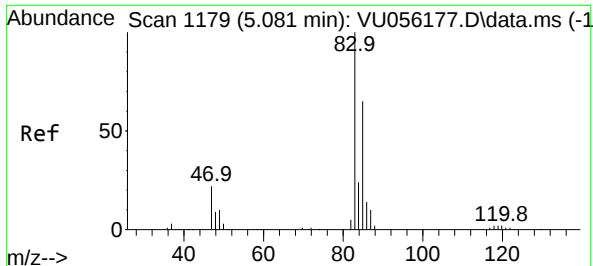
Ion Ratio Lower Upper

96 100

61 124.1 87.8 163.2

98 67.4 43.5 80.7





#25

Chloroform

Concen: 0.478 ug/L

RT: 5.074 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU056201.D

Acq: 11 Nov 2023 03:51

Instrument :

MSVOA_U

ClientSampleId :

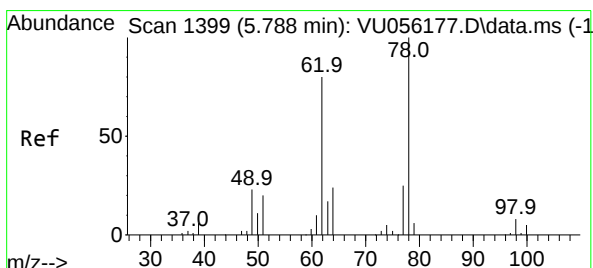
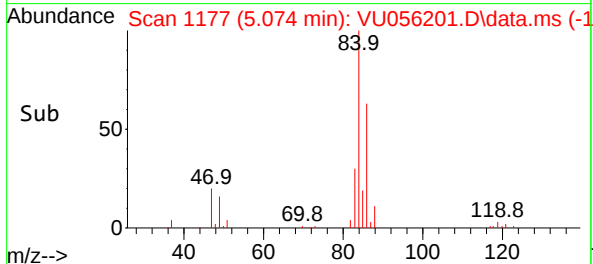
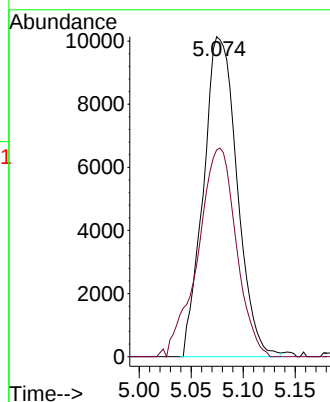
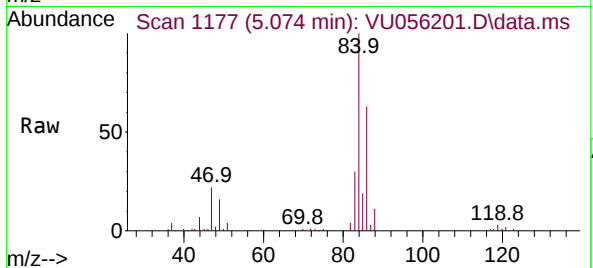
GCDK2

Tgt Ion: 83 Resp: 22889

Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1



#27

1,2-Dichloroethane

Concen: 0.378 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VU056201.D

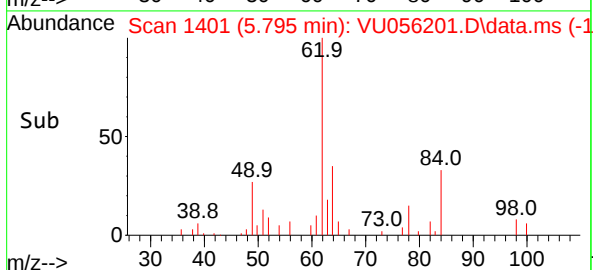
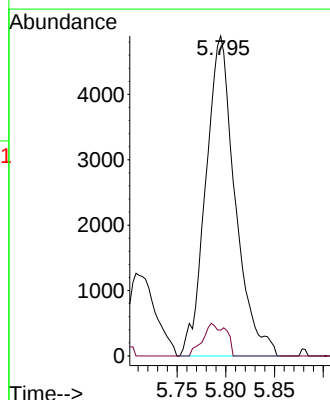
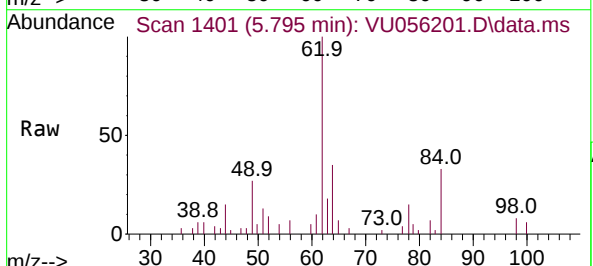
Acq: 11 Nov 2023 03:51

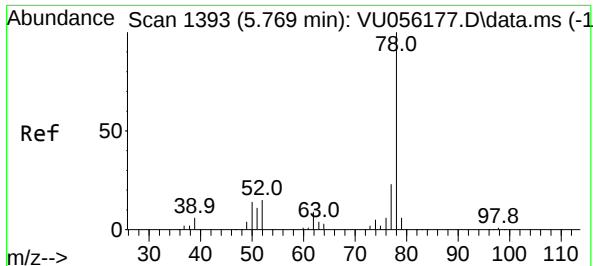
Tgt Ion: 62 Resp: 10230

Ion Ratio Lower Upper

62 100

98 8.1 7.1 10.7

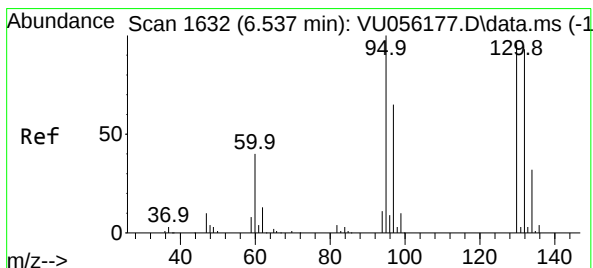
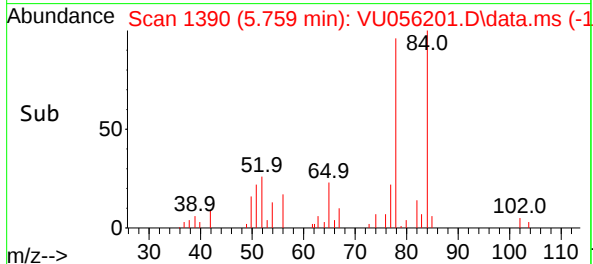
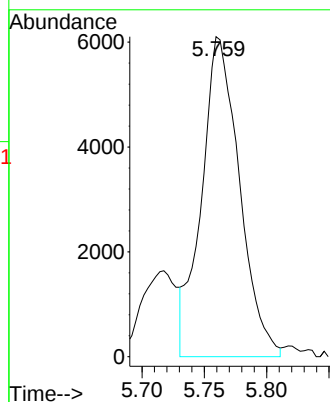
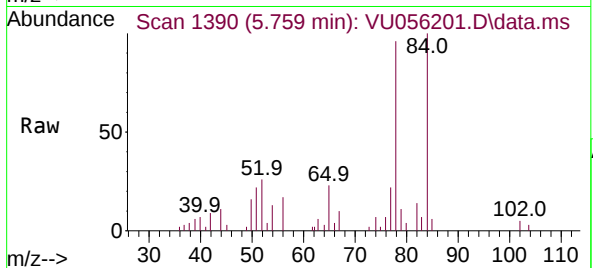




#33
Benzene
Concen: 0.126 ug/L
RT: 5.759 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU056201.D
Acq: 11 Nov 2023 03:51

Instrument :
MSVOA_U
ClientSampleId :
GCDK2

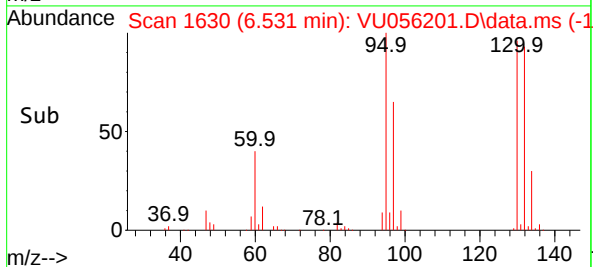
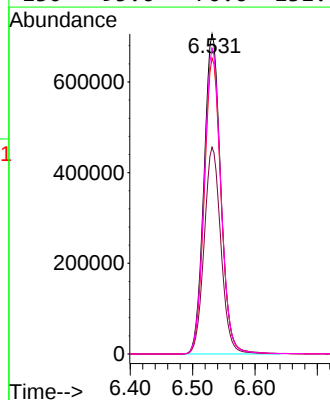
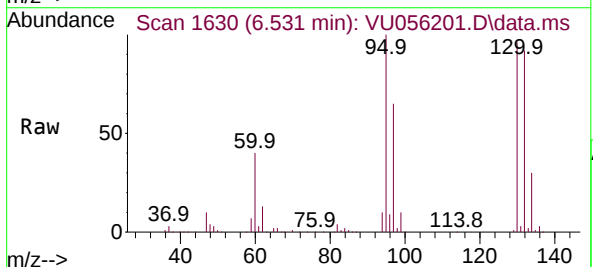
Tgt Ion: 78 Resp: 12906

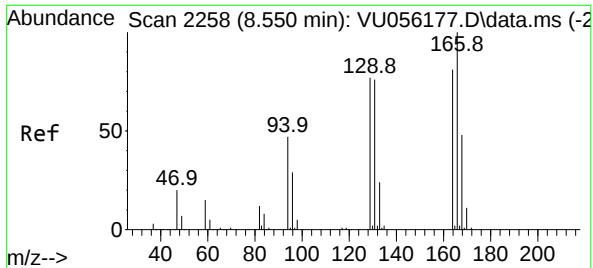


#34
Trichloroethene
Concen: 47.094 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VU056201.D
Acq: 11 Nov 2023 03:51

Tgt Ion: 95 Resp: 1321357

Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.8	87.0
132	92.5	66.5	123.5
130	95.6	70.6	131.0





#47

Tetrachloroethene

Concen: 0.808 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056201.D

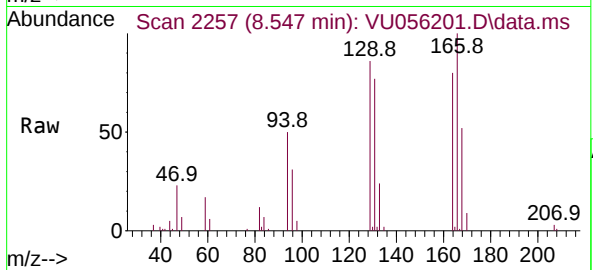
Acq: 11 Nov 2023 03:51

Instrument :

MSVOA_U

ClientSampleId :

GCDK2



Tgt Ion:164 Resp: 17006

Ion Ratio Lower Upper

164 100

129 107.5 66.6 123.8

131 96.4 67.8 126.0

166 125.5 85.9 159.5

