

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042423\
 Data File : VU053839.D
 Acq On : 24 Apr 2023 13:03
 Operator : JC/MD
 Sample : VIBLK155
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK155

Quant Time: Apr 25 04:51:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 25 04:42:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	155358	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	143311	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	70702	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	43722	4.620	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.400%
7) Chloroethane-d5	1.916	69	37056	4.666	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.569	65	17035	4.374	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.636	46	80532	46.465	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.940%
24) Chloroform-d	5.060	84	80471	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.697	65	39133	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.723	84	167227	4.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.687	67	51788	5.071	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.893	98	153044	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	8.176	79	19050	4.743	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.629	63	68005	47.839	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.680%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	37423	4.534	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	54156	4.776	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%

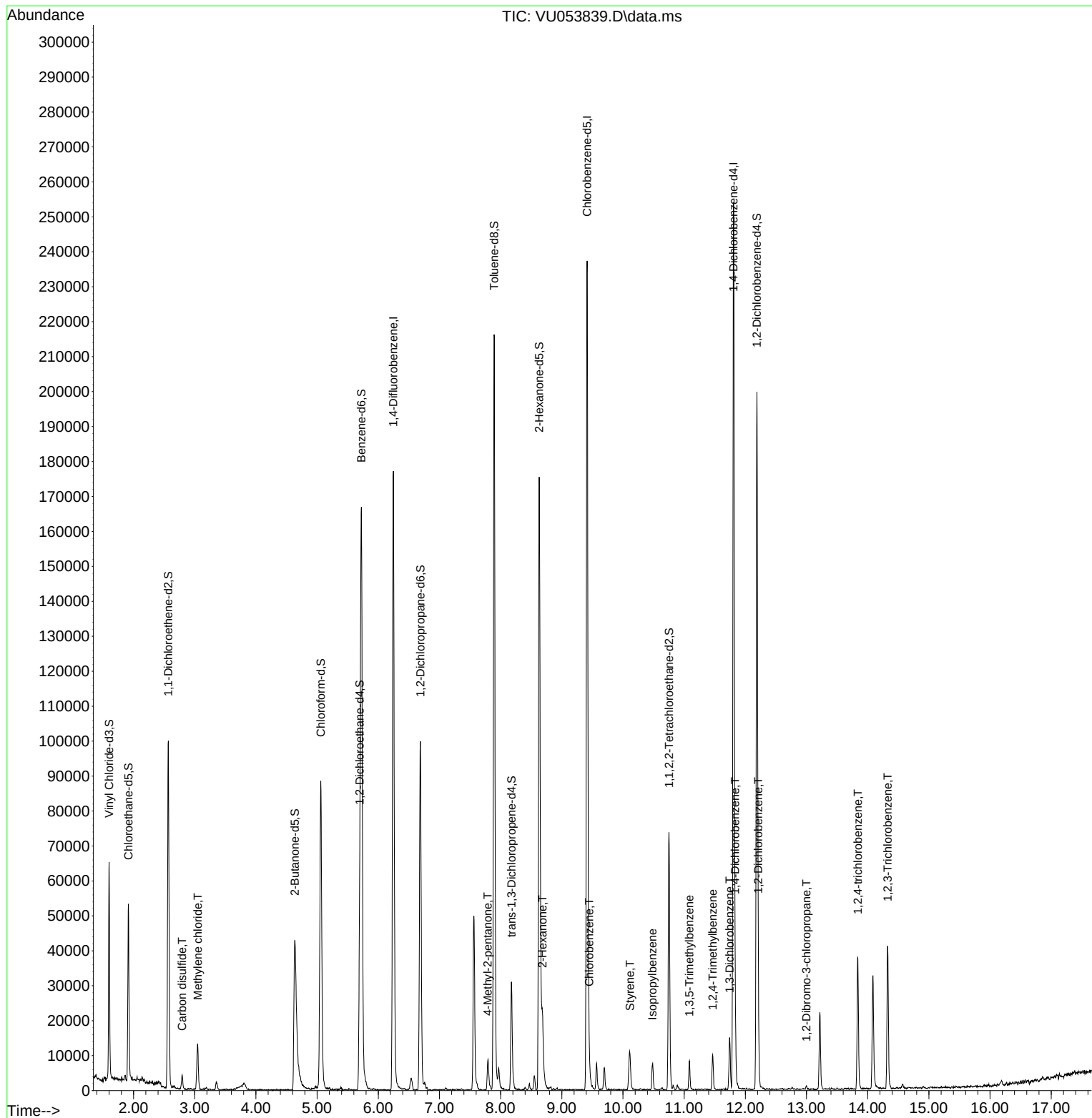
Target Compounds				Qvalue		
14) Carbon disulfide	2.794	76	4706	0.176	ug/L	96
16) Methylene chloride	3.048	84	5796	0.435	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	6577	1.455	ug/L #	81
48) 2-Hexanone	8.684	43	12595	3.665	ug/L #	97
51) Chlorobenzene	9.446	112	4939	0.170	ug/L	97
55) Styrene	10.115	104	4815	0.169	ug/L	99
60) Isopropylbenzene	10.481	105	6097	0.143	ug/L	93
62) 1,3,5-Trimethylbenzene	11.086	105	4556	0.132	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	5732	0.164	ug/L	90
64) 1,3-Dichlorobenzene	11.742	146	6878	0.324	ug/L	92
65) 1,4-Dichlorobenzene	11.832	146	8769	0.408	ug/L	93
67) 1,2-Dichlorobenzene	12.211	146	7021	0.358	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.996	75	283	0.252	ug/L #	89
70) 1,2,4-trichlorobenzene	13.838	180	12337	0.891	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	13924	1.127	ug/L	96

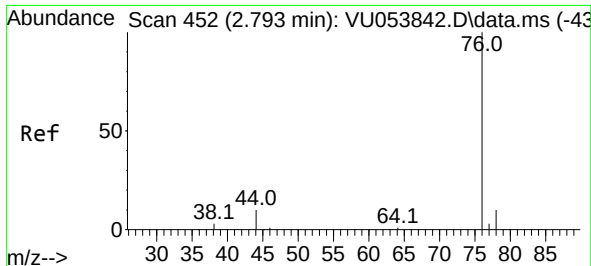
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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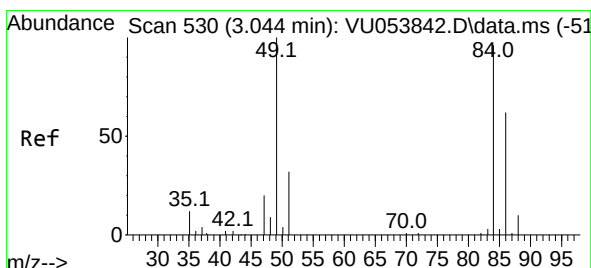
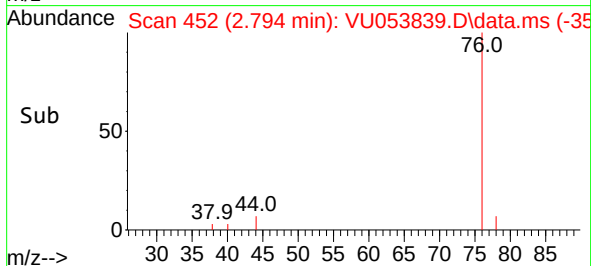
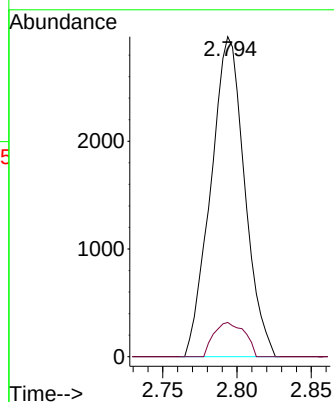
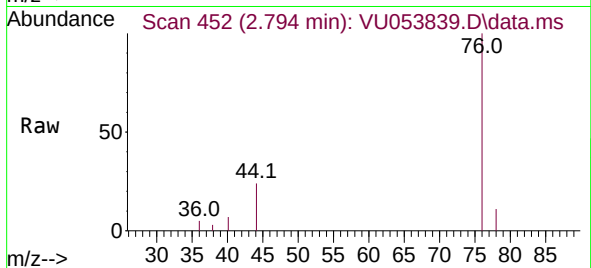




#14
Carbon disulfide
Concen: 0.176 ug/L
RT: 2.794 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU053839.D
Acq: 24 Apr 2023 13:03

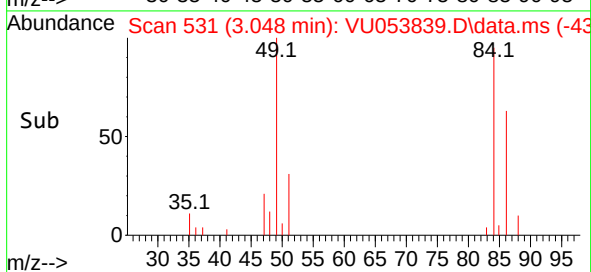
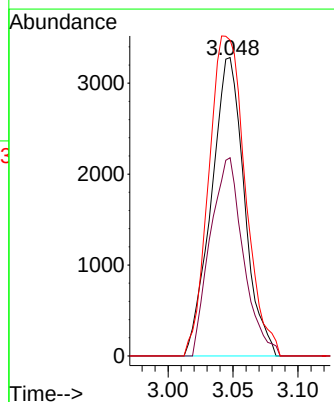
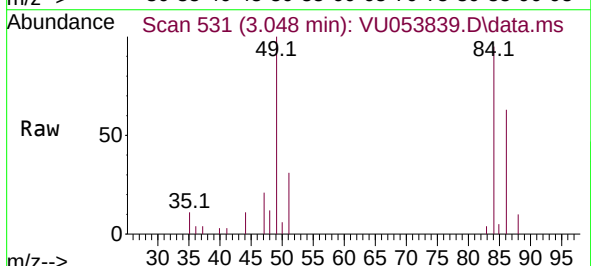
Instrument :
MSVOA_U
ClientSampleId :
VIBLK155

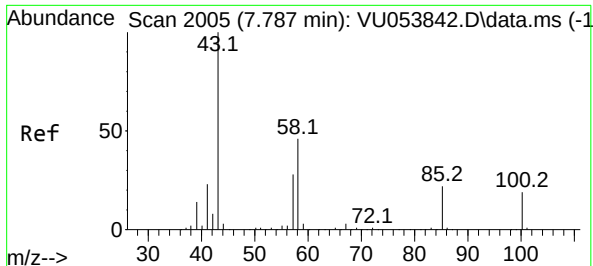
Tgt Ion: 76 Resp: 4706
Ion Ratio Lower Upper
76 100
78 10.7 7.3 10.9



#16
Methylene chloride
Concen: 0.435 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.004 min
Lab File: VU053839.D
Acq: 24 Apr 2023 13:03

Tgt Ion: 84 Resp: 5796
Ion Ratio Lower Upper
84 100
86 66.4 45.0 83.6
49 105.8 74.8 138.8

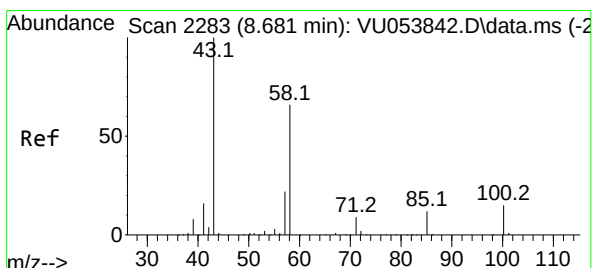
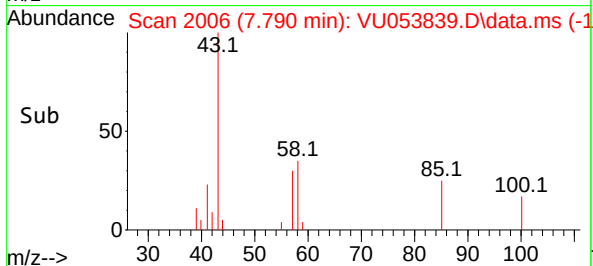
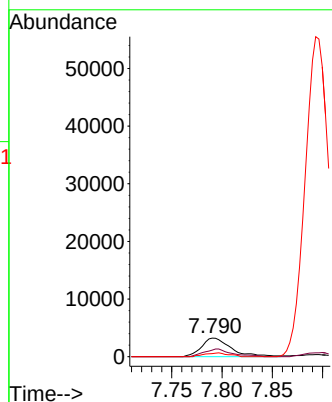
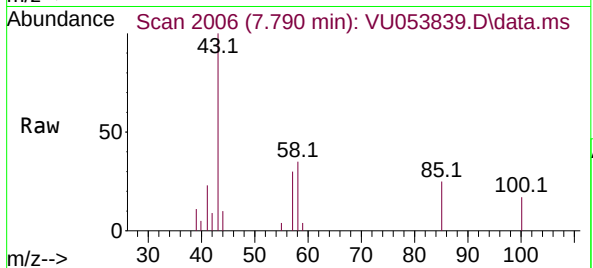




#40
4-Methyl-2-pentanone
Concen: 1.455 ug/L
RT: 7.790 min Scan# 2005
Delta R.T. 0.004 min
Lab File: VU053839.D
Acq: 24 Apr 2023 13:03

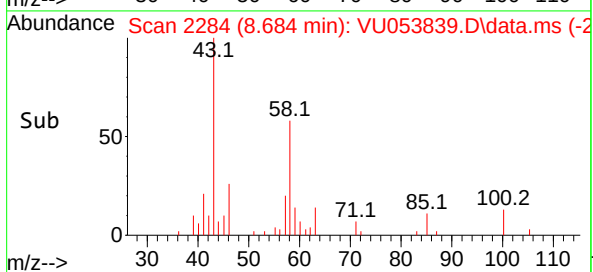
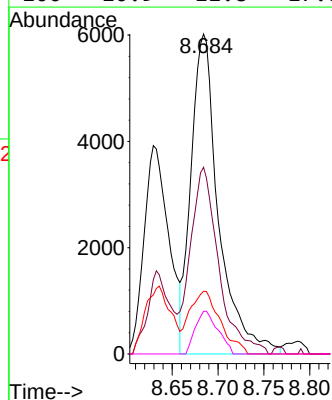
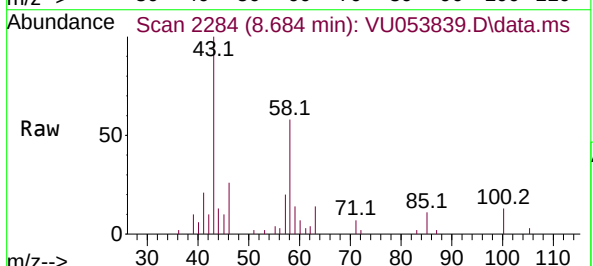
Instrument :
MSVOA_U
ClientSampleId :
VIBLK155

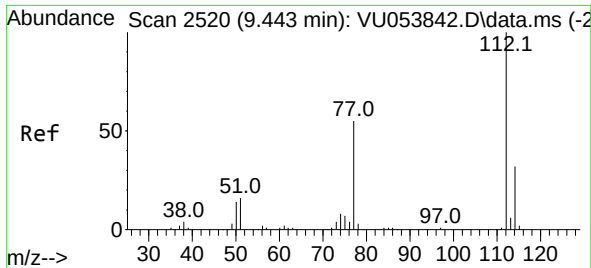
Tgt Ion: 43 Resp: 6577
Ion Ratio Lower Upper
43 100
58 38.5 36.0 54.0
100 0.0 15.1 22.7#



#48
2-Hexanone
Concen: 3.665 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. 0.004 min
Lab File: VU053839.D
Acq: 24 Apr 2023 13:03

Tgt Ion: 43 Resp: 12595
Ion Ratio Lower Upper
43 100
58 60.3 49.8 74.6
57 22.0 16.9 25.3
100 10.9 11.8 17.8#

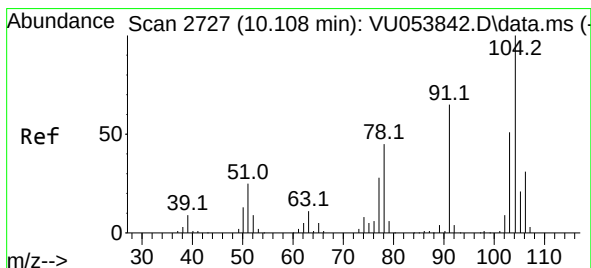
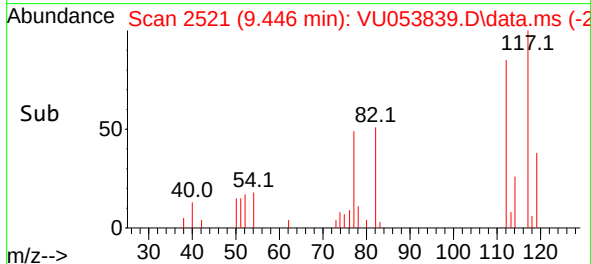
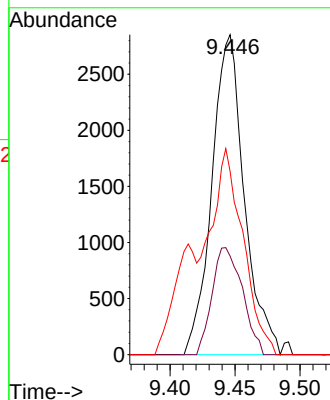
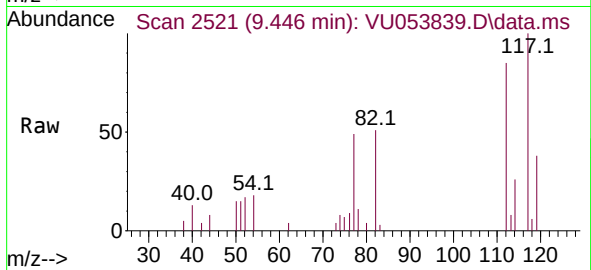




#51
Chlorobenzene
Concen: 0.170 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU053839.D
Acq: 24 Apr 2023 13:03

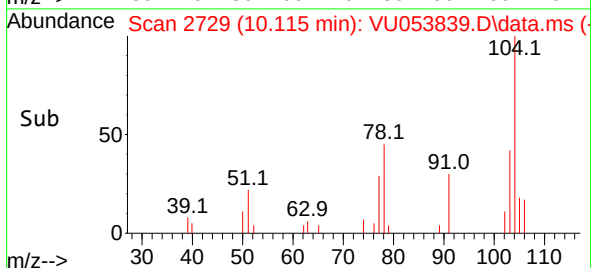
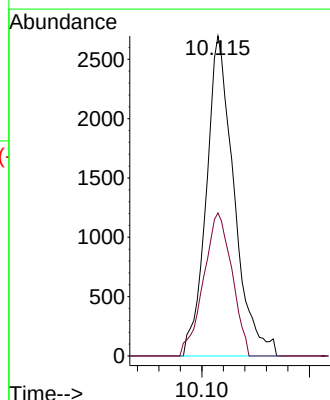
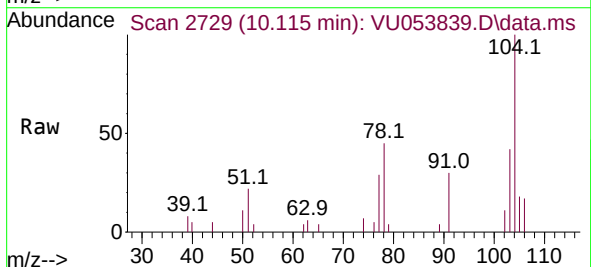
Instrument :
MSVOA_U
ClientSampleId :
VIBLK155

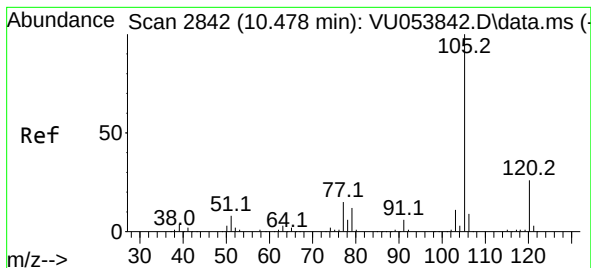
Tgt Ion:112 Resp: 4939
Ion Ratio Lower Upper
112 100
114 30.8 23.0 42.6
77 57.2 44.4 66.6



#55
Styrene
Concen: 0.169 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.004 min
Lab File: VU053839.D
Acq: 24 Apr 2023 13:03

Tgt Ion:104 Resp: 4815
Ion Ratio Lower Upper
104 100
78 44.7 30.9 57.5





#60

Isopropylbenzene

Concen: 0.143 ug/L

RT: 10.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053839.D

Acq: 24 Apr 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK155

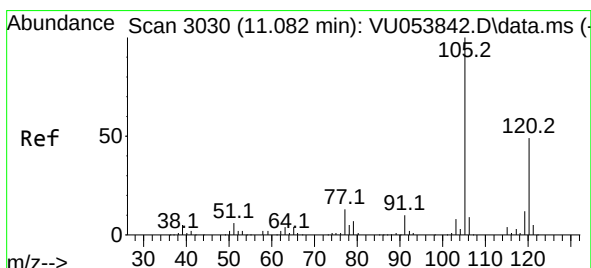
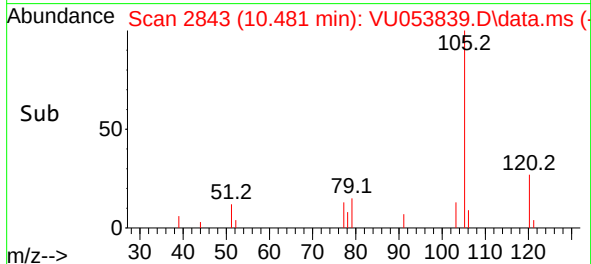
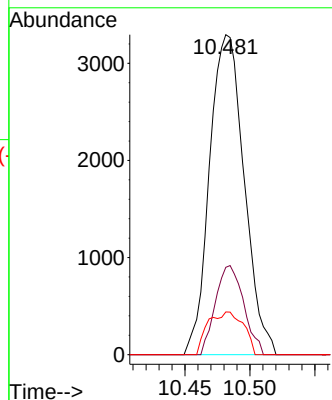
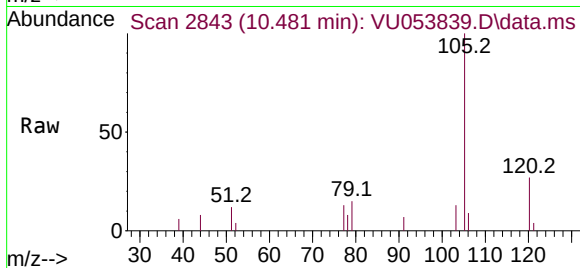
Tgt Ion:105 Resp: 6097

Ion Ratio Lower Upper

105 100

120 22.7 21.4 32.0

77 13.7 12.6 18.8



#62

1,3,5-Trimethylbenzene

Concen: 0.132 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.004 min

Lab File: VU053839.D

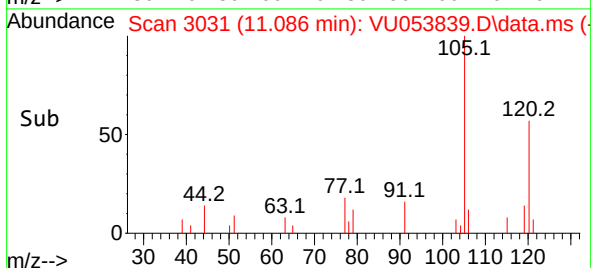
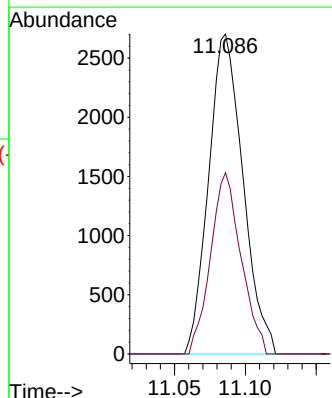
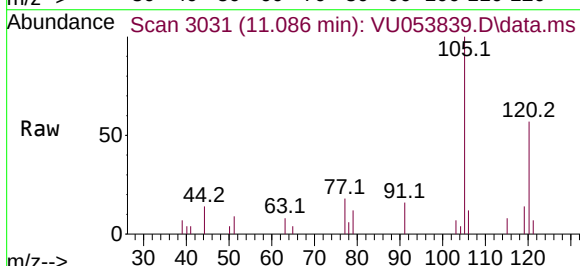
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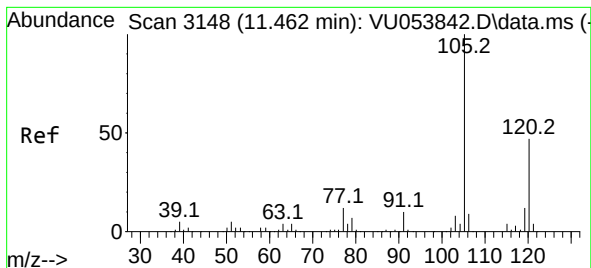
Tgt Ion:105 Resp: 4556

Ion Ratio Lower Upper

105 100

120 50.3 39.3 58.9





#63

1,2,4-Trimethylbenzene

Concen: 0.164 ug/L

RT: 11.465 min Scan# 3148

Delta R.T. 0.004 min

Lab File: VU053839.D

Acq: 24 Apr 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

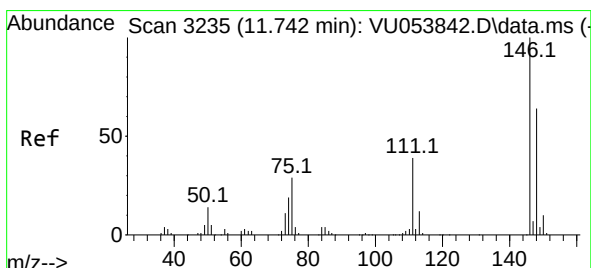
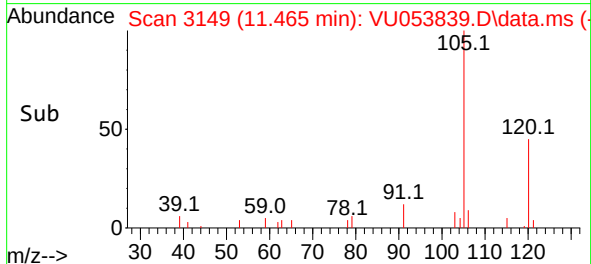
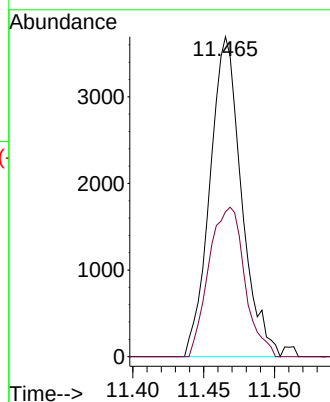
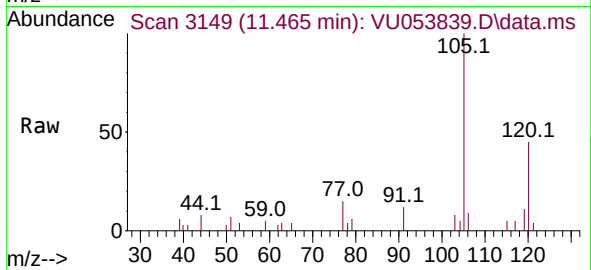
VIBLK155

Tgt Ion:105 Resp: 5732

Ion Ratio Lower Upper

105 100

120 52.9 37.1 55.7



#64

1,3-Dichlorobenzene

Concen: 0.324 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU053839.D

Acq: 24 Apr 2023 13:03

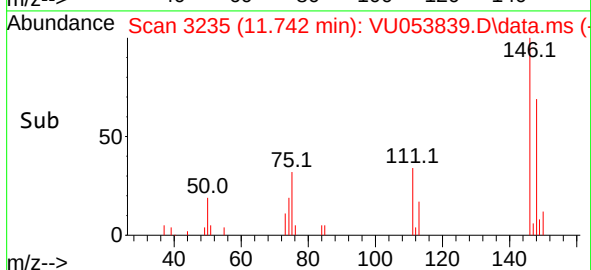
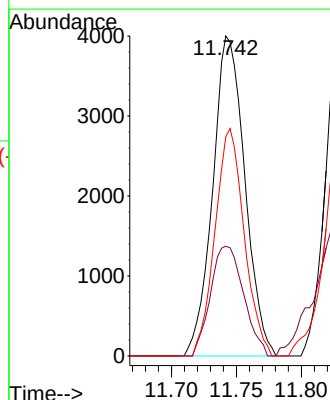
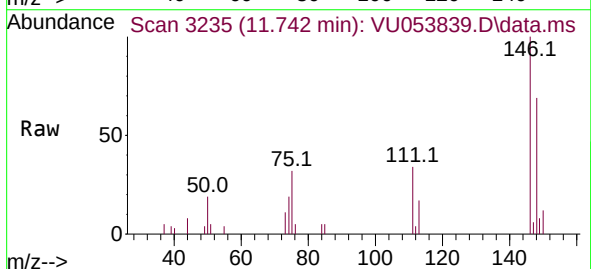
Tgt Ion:146 Resp: 6878

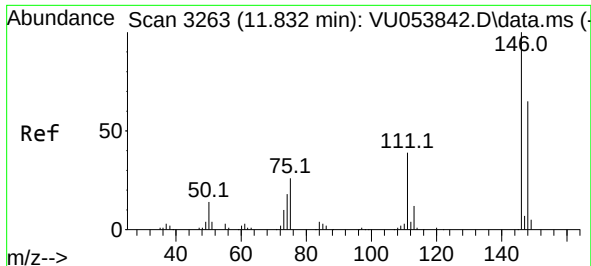
Ion Ratio Lower Upper

146 100

111 34.3 27.9 51.9

148 68.6 43.7 81.1





#65

1,4-Dichlorobenzene

Concen: 0.408 ug/L

RT: 11.832 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053839.D

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Instrument :

MSVOA_U

ClientSampleId :

VIBLK155

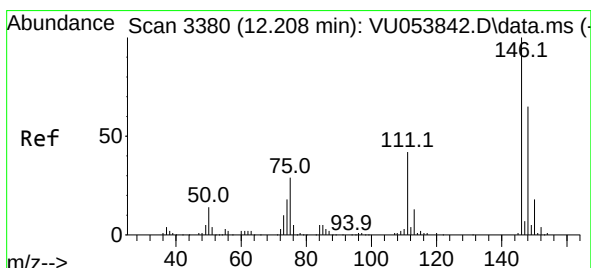
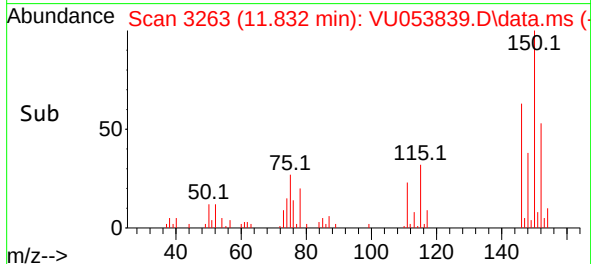
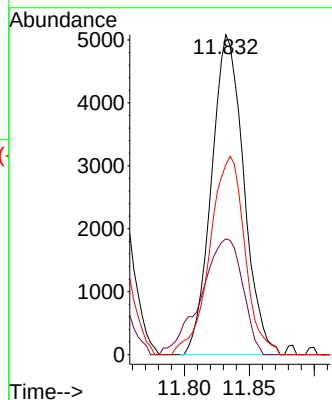
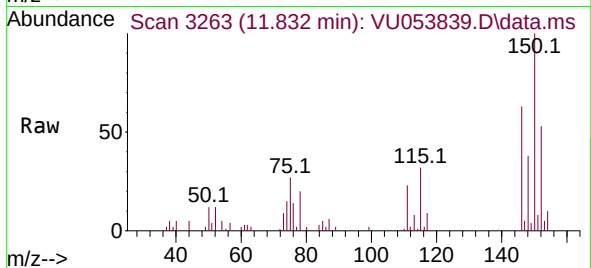
Tgt Ion:146 Resp: 8769

Ion Ratio Lower Upper

146 100

111 36.2 28.3 52.7

148 59.3 45.4 84.2



#67

1,2-Dichlorobenzene

Concen: 0.358 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.004 min

Lab File: VU053839.D

Acq: 24 Apr 2023 13:03

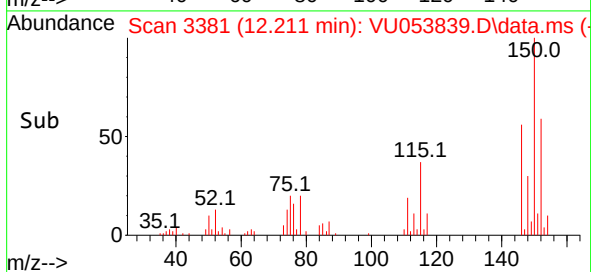
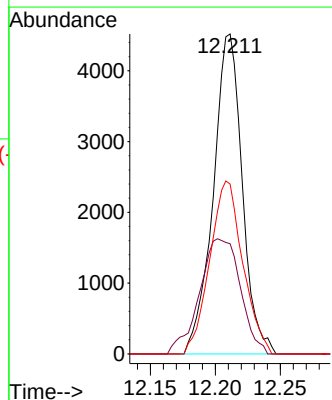
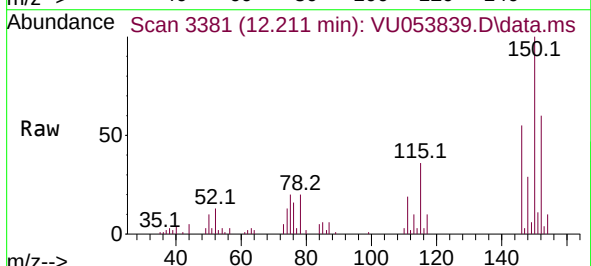
Tgt Ion:146 Resp: 7021

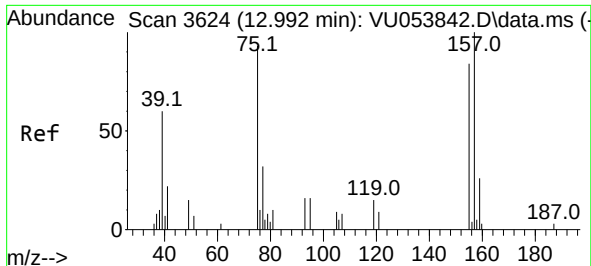
Ion Ratio Lower Upper

146 100

111 34.5 32.6 49.0

148 53.1 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 0.252 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.004 min

Lab File: VU053839.D

Acq: 24 Apr 2023 13:03

Instrument :

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ClientSampleId :

VIBLK155

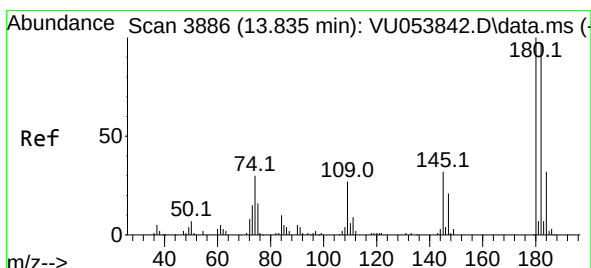
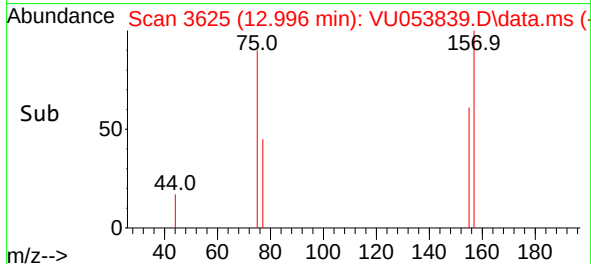
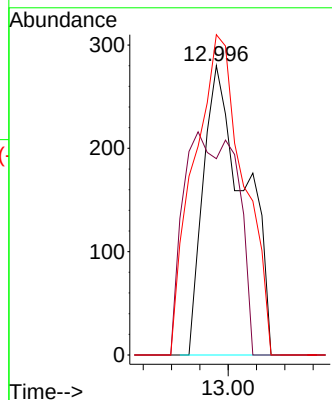
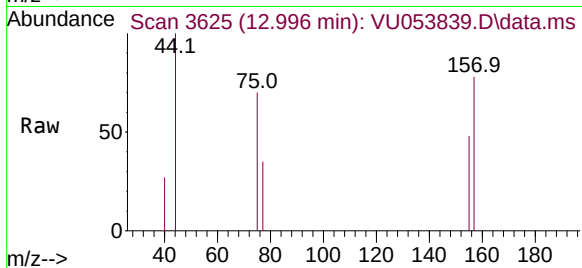
Tgt Ion: 75 Resp: 283

Ion Ratio Lower Upper

75 100

155 67.9 72.8 109.2#

157 110.7 89.1 133.7



#70

1,2,4-trichlorobenzene

Concen: 0.891 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.004 min

Lab File: VU053839.D

Acq: 24 Apr 2023 13:03

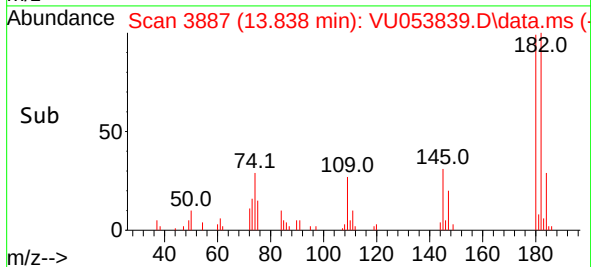
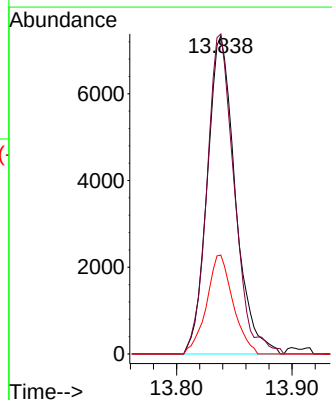
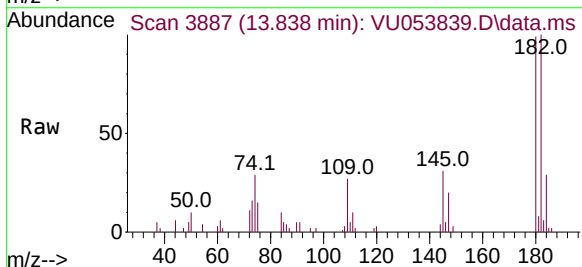
Tgt Ion: 180 Resp: 12337

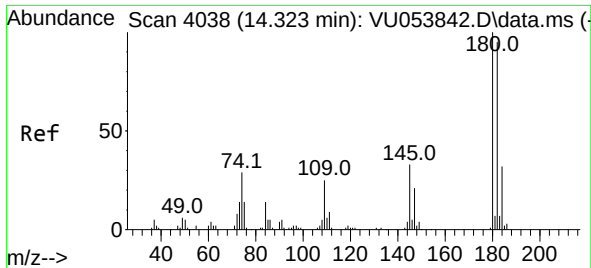
Ion Ratio Lower Upper

180 100

182 97.8 75.5 113.3

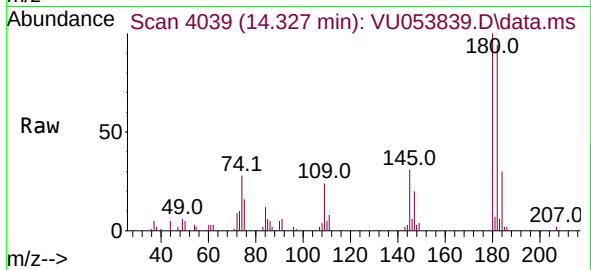
145 29.3 25.8 38.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1.127 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.000 min
 Lab File: VU053839.D
 Acq: 24 Apr 2023 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK155



Tgt Ion:	180	Resp:	13924
Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.4	116.2
145	31.0	26.8	40.2

