

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
 Data File : VU050884.D
 Acq On : 21 Sep 2022 18:47
 Operator : JC/MD
 Sample : VIBLK138
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK138

Quant Time: Sep 22 02:15:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

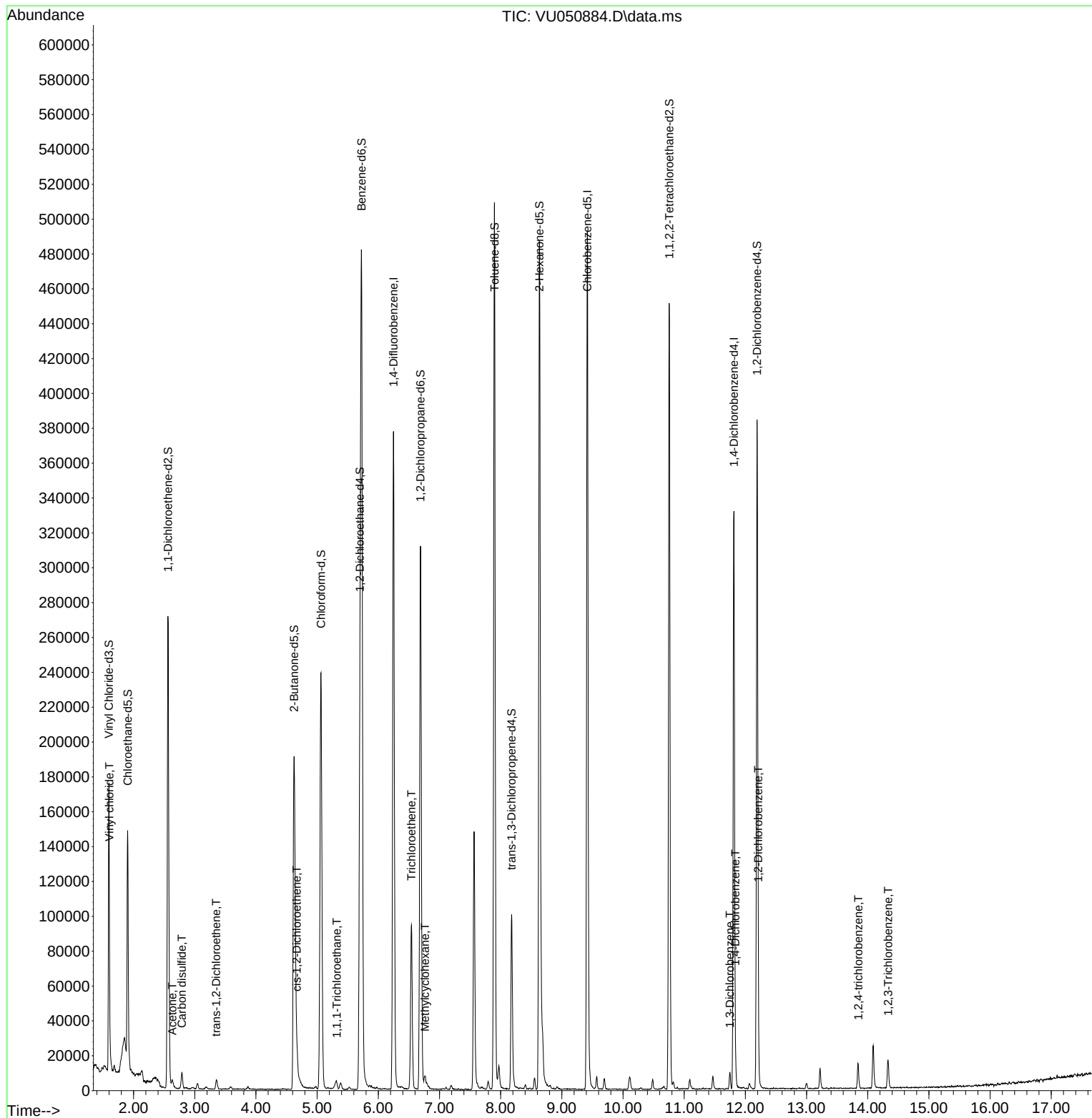
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	297789	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	266022	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	85159	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	126927	41.139	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.280%
7) Chloroethane-d5	1.903	69	104641	47.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.240%
11) 1,1-Dichloroethene-d2	2.562	63	159178	33.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.320%
21) 2-Butanone-d5	4.623	46	285603	143.385	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	143.390%#
24) Chloroform-d	5.063	84	227133	46.976	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.960%
26) 1,2-Dichloroethane-d4	5.700	65	144449	48.477	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.960%
32) Benzene-d6	5.726	84	444872	50.771	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.540%
36) 1,2-Dichloropropane-d6	6.690	67	154803	52.340	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.680%
41) Toluene-d8	7.899	98	339100	44.273	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.540%
43) trans-1,3-Dichloroprop...	8.179	79	56754	44.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.220%
47) 2-Hexanone-d5	8.632	63	154795	127.001	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.000%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	231231	51.279	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.560%
66) 1,2-Dichlorobenzene-d4	12.192	152	98050	54.991	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.980%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	1971	0.562	ug/L #	3
13) Acetone	2.633	43	4724	2.801	ug/L	90
14) Carbon disulfide	2.790	76	10645	1.470	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	1912	0.815	ug/L	93
20) cis-1,2-Dichloroethene	4.668	96	3874	1.489	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	3048	0.861	ug/L #	87
34) Trichloroethene	6.542	95	31753	13.963	ug/L	98
35) Methylcyclohexane	6.764	83	2850	0.778	ug/L	92
64) 1,3-Dichlorobenzene	11.748	146	4115	1.479	ug/L	92
65) 1,4-Dichlorobenzene	11.835	146	4714	1.668	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	4293	1.457	ug/L	91
70) 1,2,4-trichlorobenzene	13.844	180	4536	2.847	ug/L	95
72) 1,2,3-Trichlorobenzene	14.333	180	6244	3.501	ug/L	95

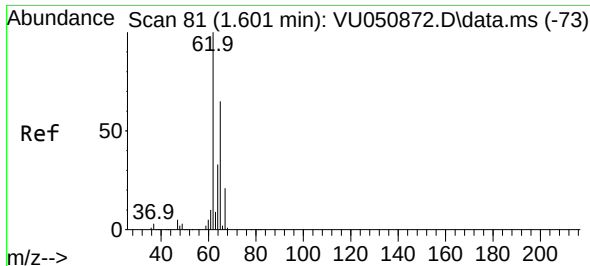
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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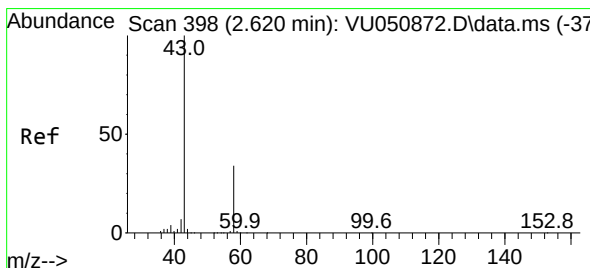
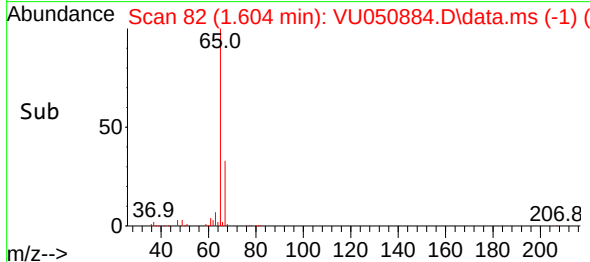
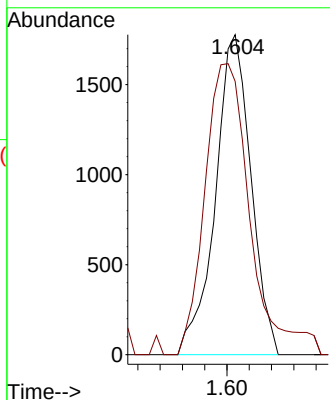
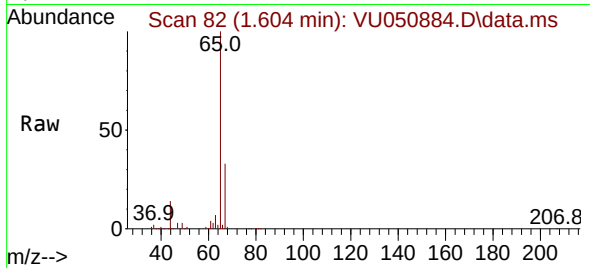




#5
 Vinyl chloride
 Concen: 0.562 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU050884.D
 Acq: 21 Sep 2022 18:47

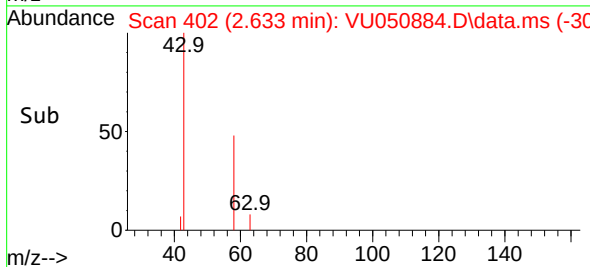
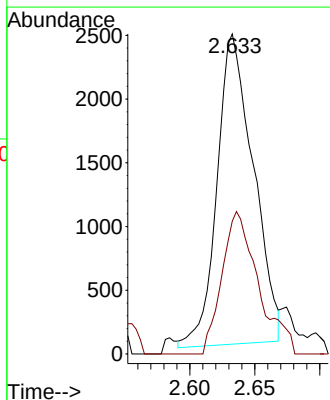
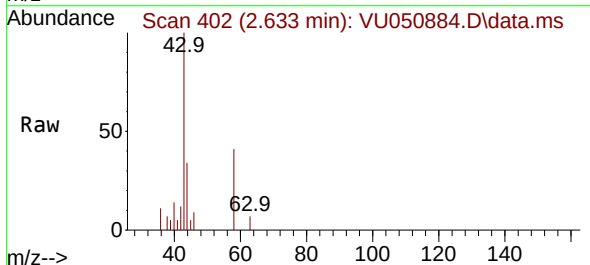
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK138

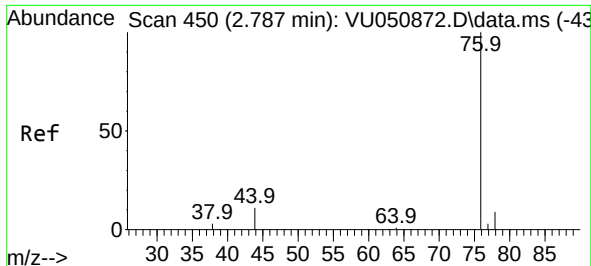
Tgt Ion: 62 Resp: 1971
 Ion Ratio Lower Upper
 62 100
 64 85.4 22.2 41.2#



#13
 Acetone
 Concen: 2.801 ug/L
 RT: 2.633 min Scan# 402
 Delta R.T. 0.013 min
 Lab File: VU050884.D
 Acq: 21 Sep 2022 18:47

Tgt Ion: 43 Resp: 4724
 Ion Ratio Lower Upper
 43 100
 58 41.4 0.0 71.4

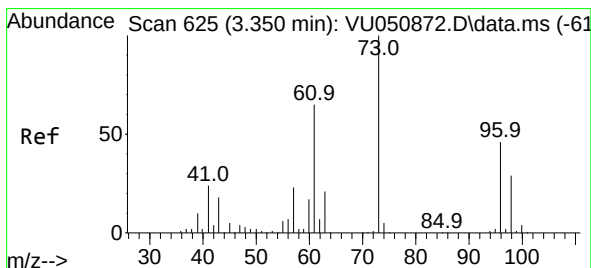
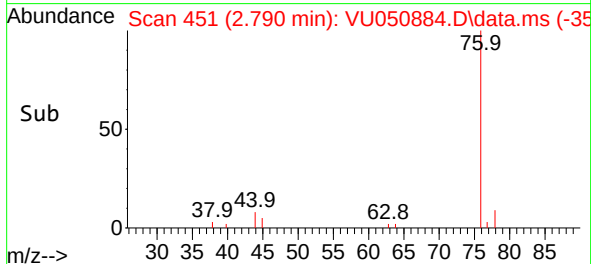
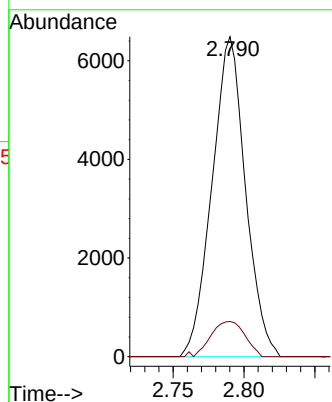
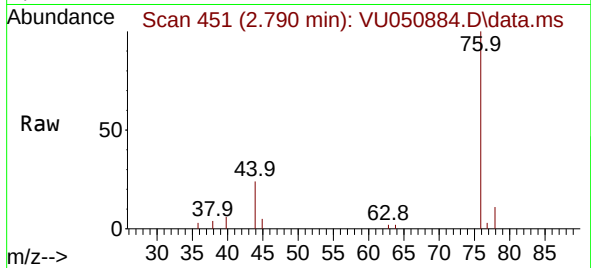




#14
Carbon disulfide
Concen: 1.470 ug/L
RT: 2.790 min Scan# 450
Delta R.T. 0.003 min
Lab File: VU050884.D
Acq: 21 Sep 2022 18:47

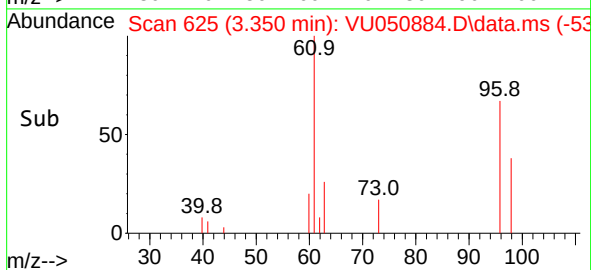
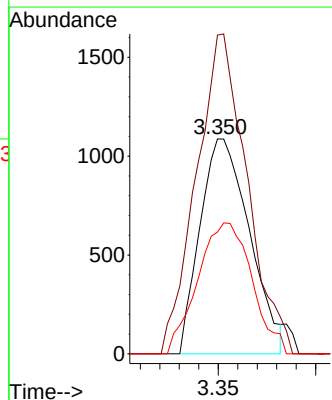
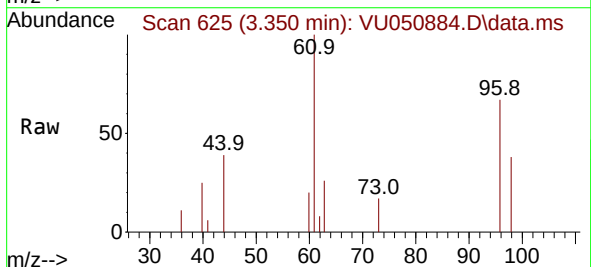
Instrument :
MSVOA_U
ClientSampleId :
VIBLK138

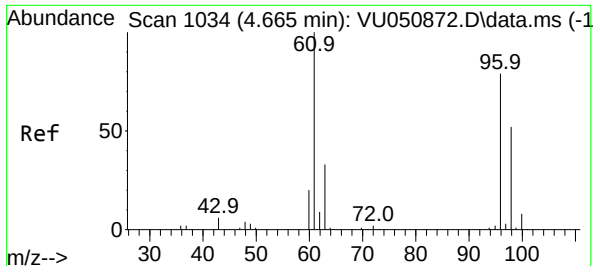
Tgt Ion: 76 Resp: 10645
Ion Ratio Lower Upper
76 100
78 11.0 7.5 11.3



#17
trans-1,2-Dichloroethene
Concen: 0.815 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU050884.D
Acq: 21 Sep 2022 18:47

Tgt Ion: 96 Resp: 1912
Ion Ratio Lower Upper
96 100
61 148.3 98.0 182.0
98 56.7 44.3 82.3





#20

cis-1,2-Dichloroethene

Concen: 1.489 ug/L

RT: 4.668 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU050884.D

Acq: 21 Sep 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK138

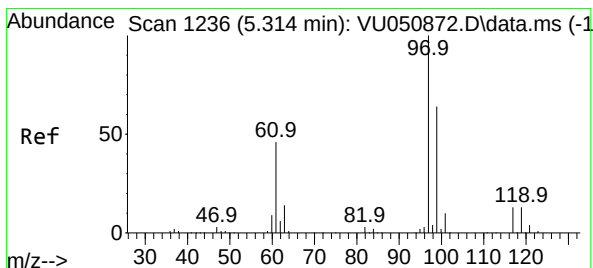
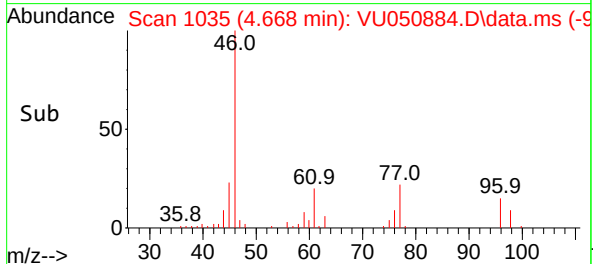
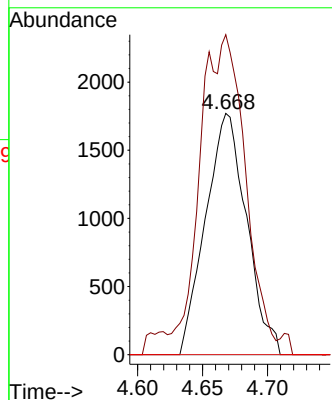
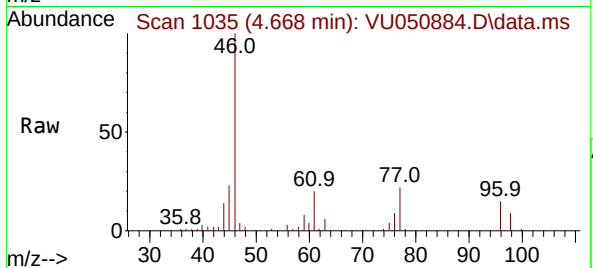
Tgt Ion: 96 Resp: 3874

Ion Ratio Lower Upper

96 100

61 132.7 90.1 167.3

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 0.861 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.006 min

Lab File: VU050884.D

Acq: 21 Sep 2022 18:47

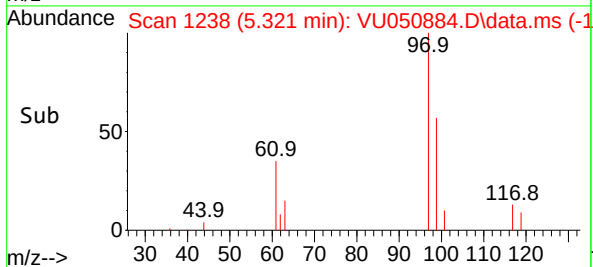
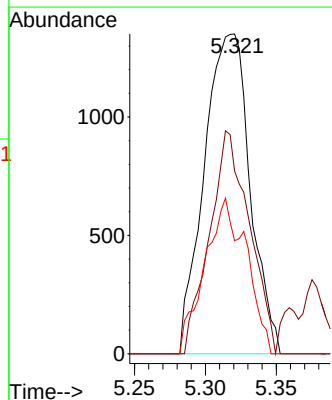
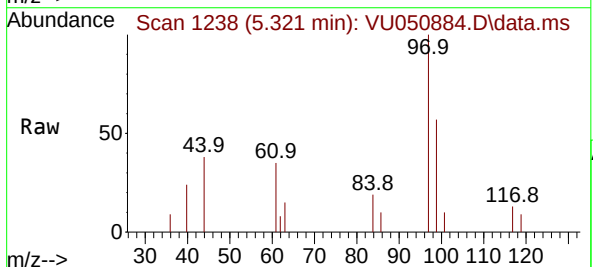
Tgt Ion: 97 Resp: 3048

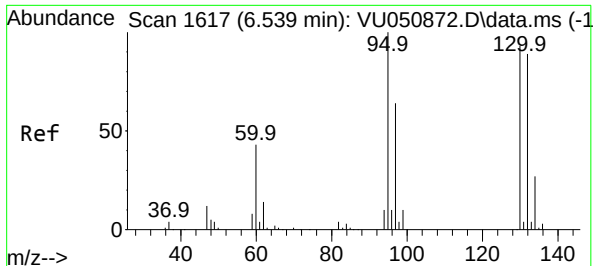
Ion Ratio Lower Upper

97 100

99 60.5 52.2 78.2

61 30.4 37.1 55.7#





#34

Trichloroethene

Concen: 13.963 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050884.D

Acq: 21 Sep 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK138

Tgt Ion: 95 Resp: 31753

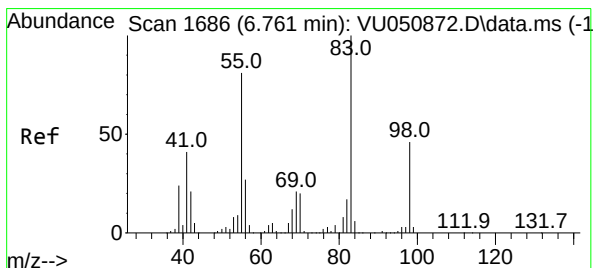
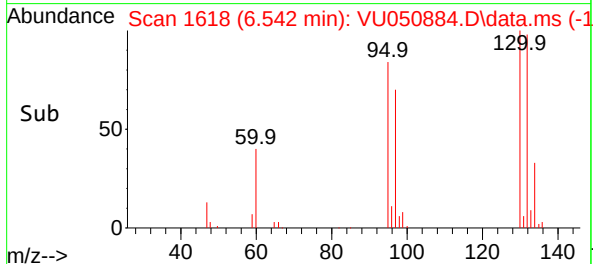
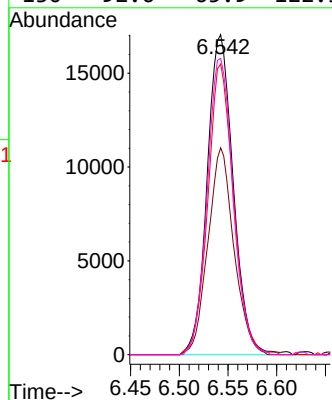
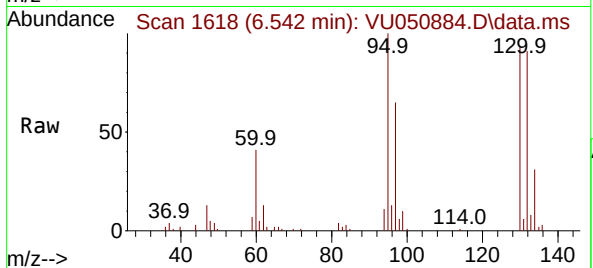
Ion Ratio Lower Upper

95 100

97 64.7 43.9 81.5

132 90.8 63.1 117.1

130 92.6 65.9 122.3



#35

Methylcyclohexane

Concen: 0.778 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.003 min

Lab File: VU050884.D

Acq: 21 Sep 2022 18:47

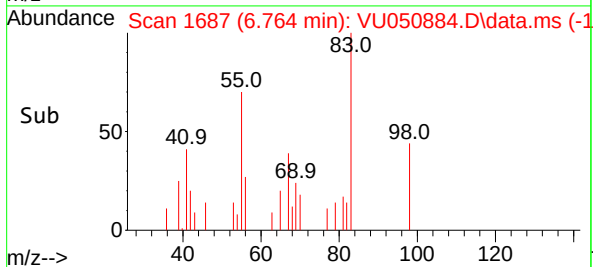
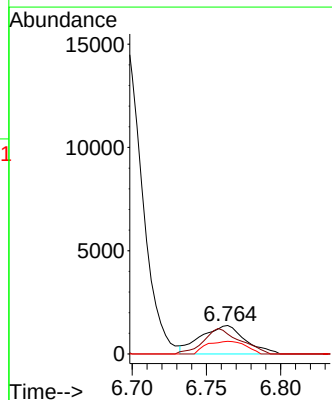
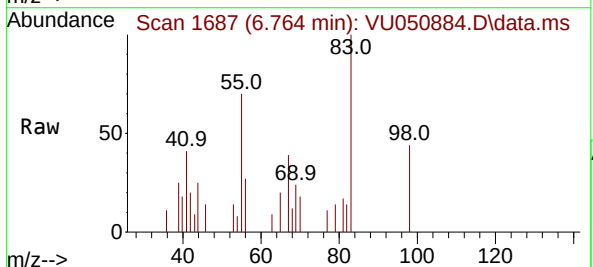
Tgt Ion: 83 Resp: 2850

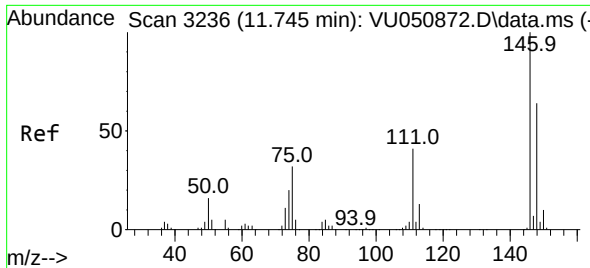
Ion Ratio Lower Upper

83 100

55 73.1 64.7 97.1

98 39.2 35.2 52.8

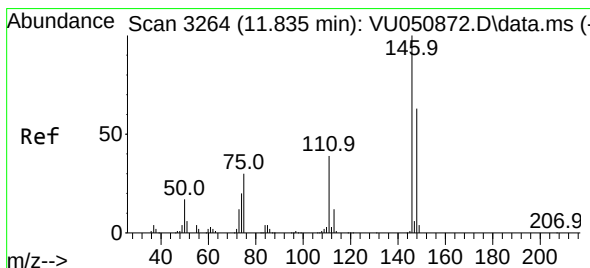
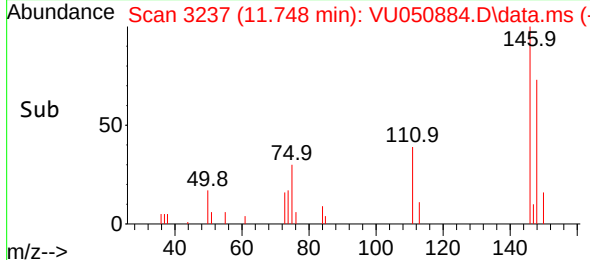
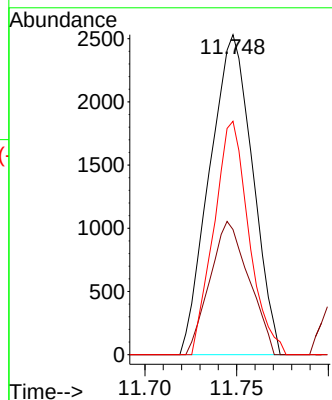
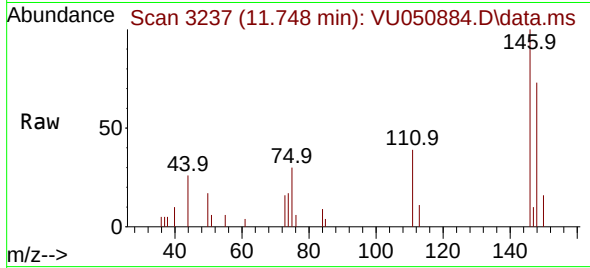




#64
1,3-Dichlorobenzene
Concen: 1.479 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU050884.D
Acq: 21 Sep 2022 18:47

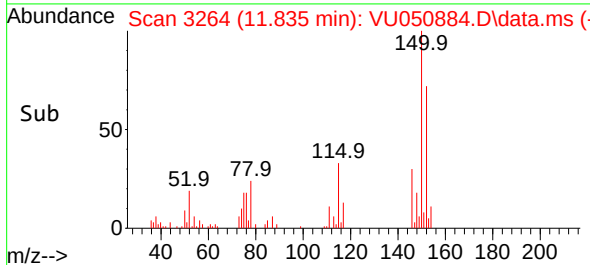
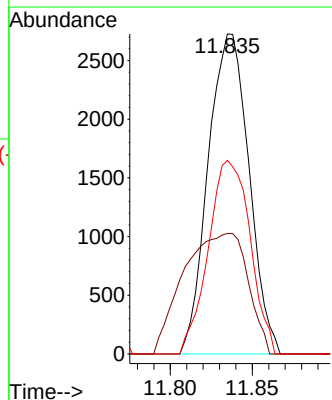
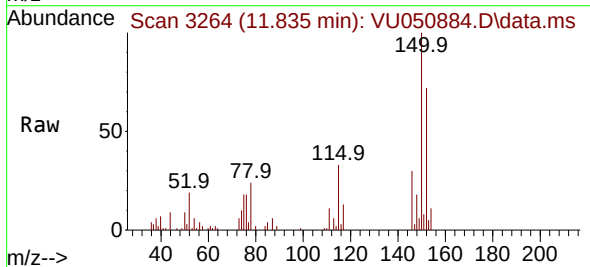
Instrument :
MSVOA_U
ClientSampleId :
VIBLK138

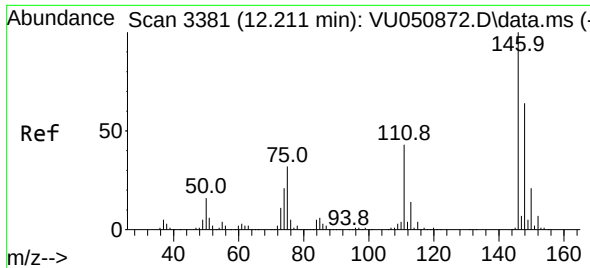
Tgt Ion:146 Resp: 4115
Ion Ratio Lower Upper
146 100
111 39.1 27.9 51.7
148 73.0 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 1.668 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.000 min
Lab File: VU050884.D
Acq: 21 Sep 2022 18:47

Tgt Ion:146 Resp: 4714
Ion Ratio Lower Upper
146 100
111 37.6 27.5 51.1
148 60.5 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 1.457 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU050884.D

Acq: 21 Sep 2022 18:47

Instrument :

MSVOA_U

ClientSampleId :

VIBLK138

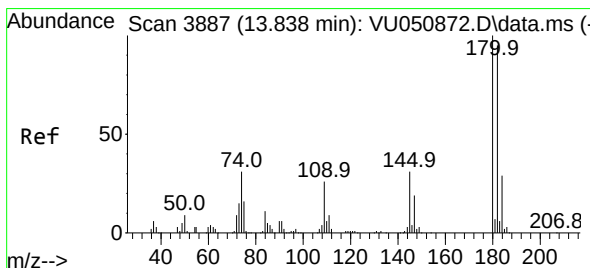
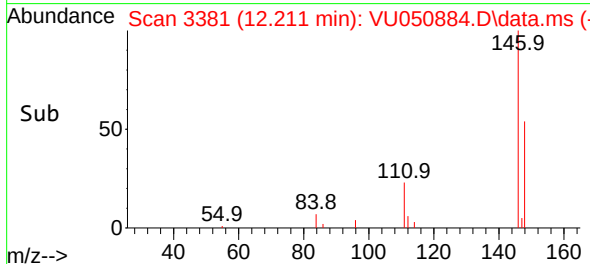
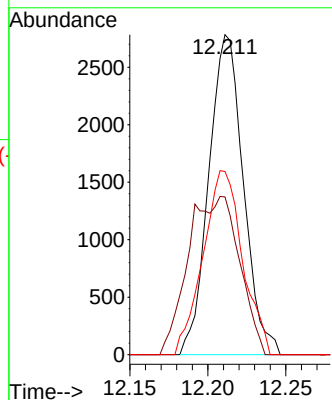
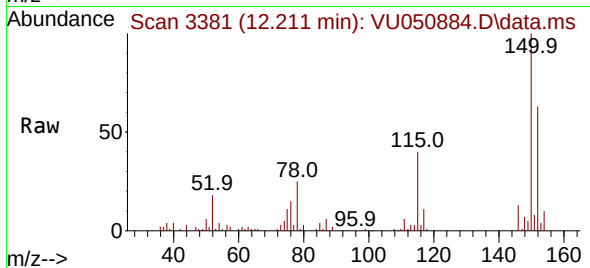
Tgt Ion:146 Resp: 4293

Ion Ratio Lower Upper

146 100

111 49.3 35.2 52.8

148 57.3 52.0 78.0



#70

1,2,4-trichlorobenzene

Concen: 2.847 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.006 min

Lab File: VU050884.D

Acq: 21 Sep 2022 18:47

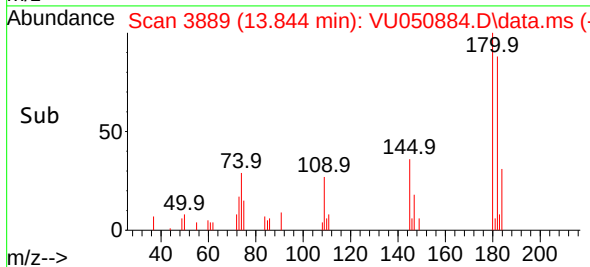
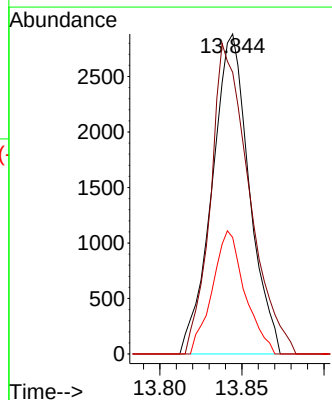
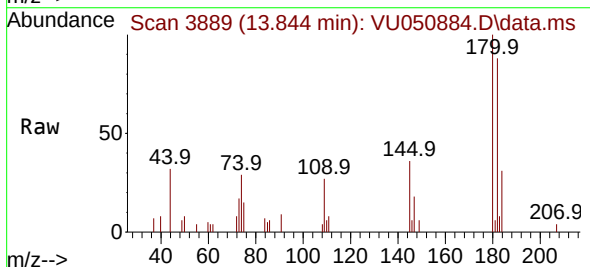
Tgt Ion:180 Resp: 4536

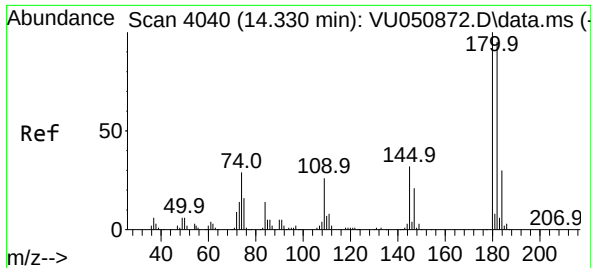
Ion Ratio Lower Upper

180 100

182 100.6 76.2 114.2

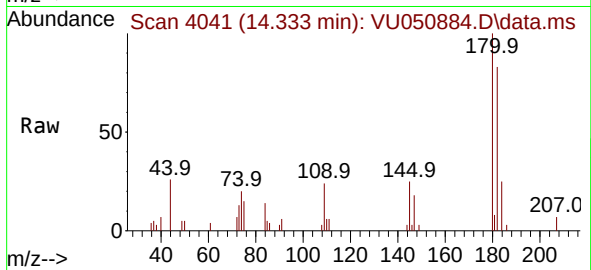
145 33.8 25.1 37.7





#72
 1,2,3-Trichlorobenzene
 Concen: 3.501 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.003 min
 Lab File: VU050884.D
 Acq: 21 Sep 2022 18:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK138



Tgt Ion:	180	Resp:	6244
Ion Ratio	Lower	Upper	
180	100		
182	90.7	76.9	115.3
145	31.8	26.3	39.5

