

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052893.D
 Acq On : 31 Jan 2023 20:48
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

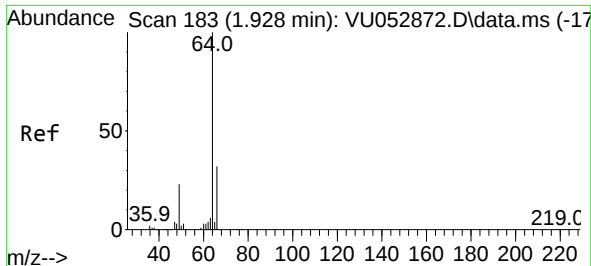
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 01:00:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 00:53:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	253149	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	238269	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	108884	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	87362	47.947	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.900%
7) Chloroethane-d5	1.906	69	77880	51.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.740%
11) 1,1-Dichloroethene-d2	2.565	63	127884	35.288	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.580%
21) 2-Butanone-d5	4.620	46	106506	94.623	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.620%
24) Chloroform-d	5.057	84	178742	45.966	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
26) 1,2-Dichloroethane-d4	5.697	65	120627	48.583	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.160%
32) Benzene-d6	5.722	84	350520	48.152	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.300%
36) 1,2-Dichloropropane-d6	6.684	67	106383	49.829	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.660%
41) Toluene-d8	7.893	98	301713	45.517	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.040%
43) trans-1,3-Dichloroprop...	8.173	79	49475	46.235	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.480%
47) 2-Hexanone-d5	8.632	63	69399	92.512	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.510%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142092	45.046	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.100%
66) 1,2-Dichlorobenzene-d4	12.188	152	110133	52.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.180%
Target Compounds						
					Qvalue	
8) Chloroethane	1.600	64	1212	0.892	ug/L #	1
12) 1,1-Dichloroethene	2.568	96	1107	0.591	ug/L #	1
20) cis-1,2-Dichloroethene	4.665	96	4638	2.146	ug/L	81
37) 1,2-Dichloropropane	6.684	63	12201	6.119	ug/L #	85
51) Chlorobenzene	9.443	112	36365	6.359	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	14734	4.011	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	59082	16.463	ug/L	97
69) 1,3,5-Trichlorobenzene	13.835	180	50523	19.235	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	50523	22.943	ug/L	97
72) 1,2,3-Trichlorobenzene	14.323	180	13999	6.015	ug/L	95

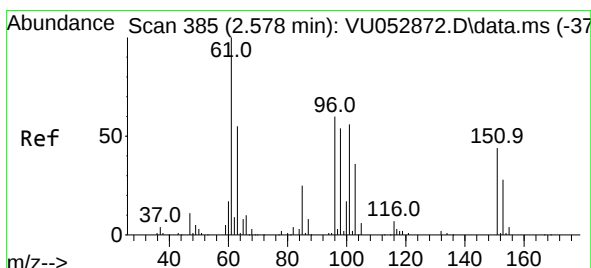
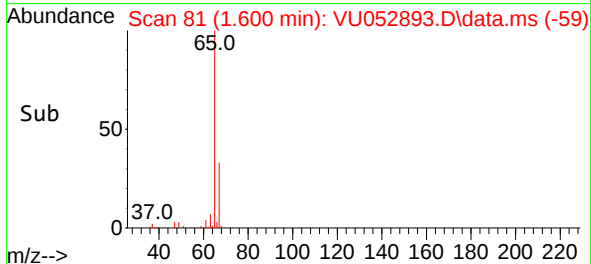
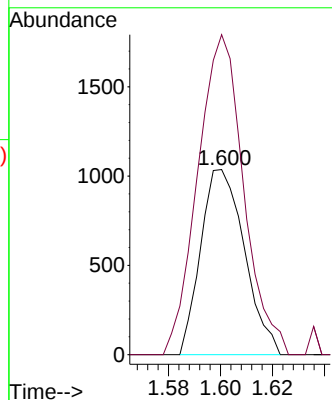
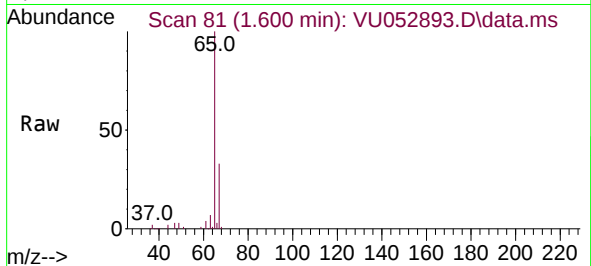
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.892 ug/L
RT: 1.600 min Scan# 81
Delta R.T. -0.328 min
Lab File: VU052893.D
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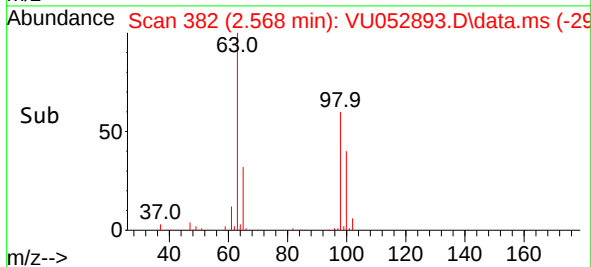
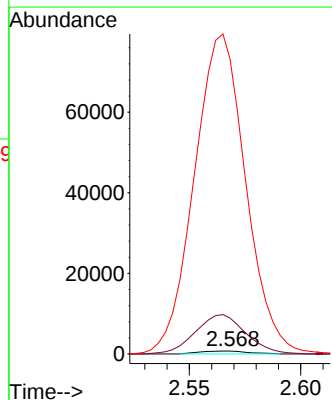
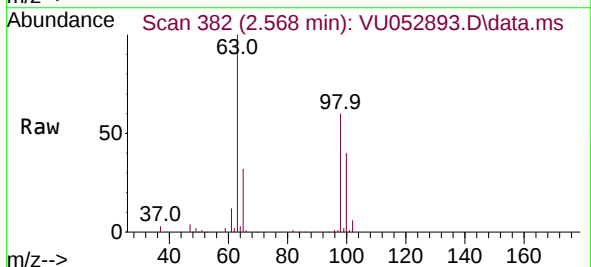
Instrument :
MSVOA_U
ClientSampleId :

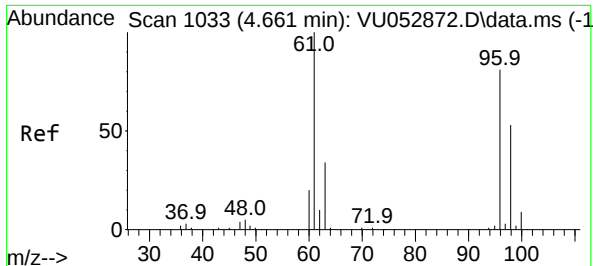
Tgt Ion: 64 Resp: 1212
Ion Ratio Lower Upper
64 100
66 172.8 24.1 44.7#



#12
1,1-Dichloroethene
Concen: 0.591 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU052893.D
Acq: 31 Jan 2023 20:48

Tgt Ion: 96 Resp: 1107
Ion Ratio Lower Upper
96 100
61 1216.4 114.3 212.3#
63 9957.6 80.6 149.6#

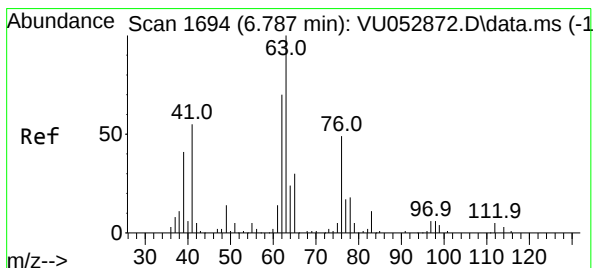
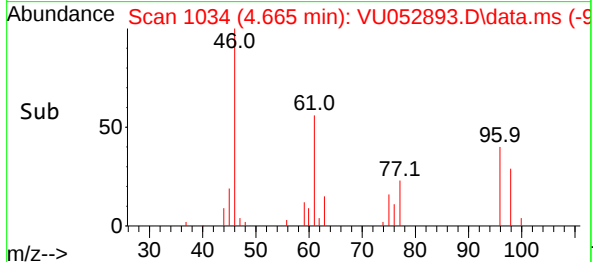
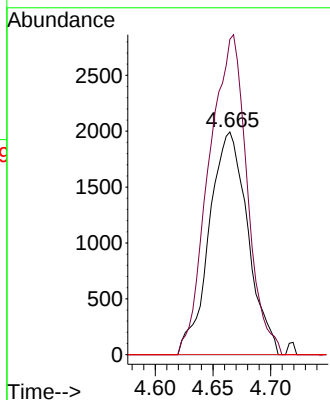
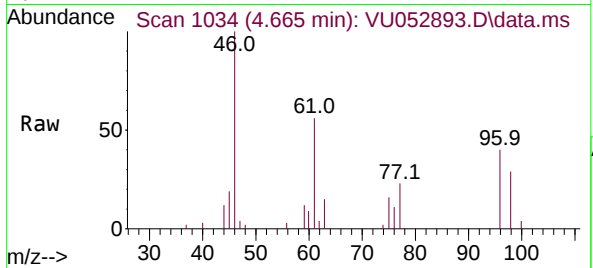




#20
 cis-1,2-Dichloroethene
 Concen: 2.146 ug/L
 RT: 4.665 min Scan# 1033
 Delta R.T. 0.003 min
 Lab File: VU052893.D
 Acq: 31 Jan 2023 20:48

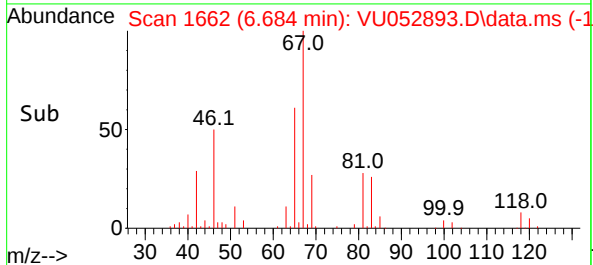
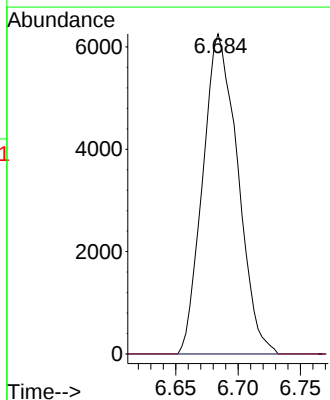
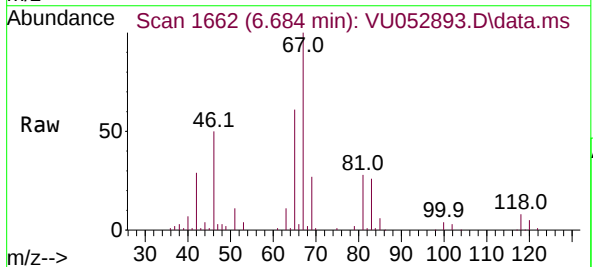
Instrument :
 MSVOA_U
 ClientSampleId :

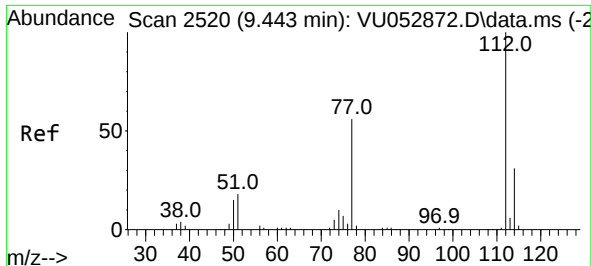
Tgt Ion: 96 Resp: 4638
 Ion Ratio Lower Upper
 96 100
 61 141.6 84.1 156.1
 68 0.0 0.0 0.0



#37
 1,2-Dichloropropane
 Concen: 6.119 ug/L
 RT: 6.684 min Scan# 1662
 Delta R.T. -0.103 min
 Lab File: VU052893.D
 Acq: 31 Jan 2023 20:48

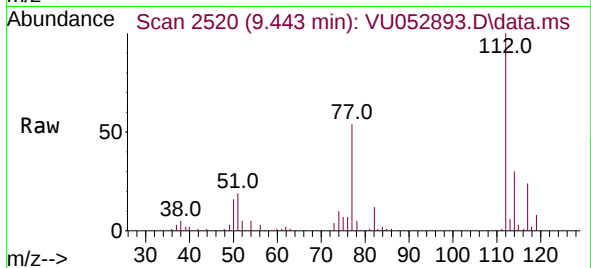
Tgt Ion: 63 Resp: 12201
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



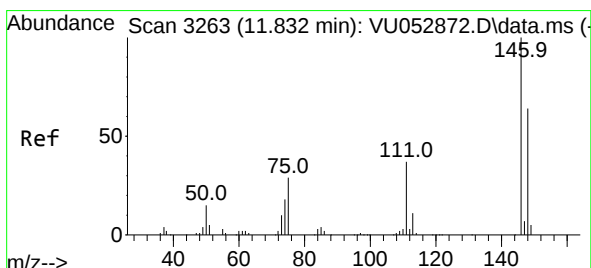
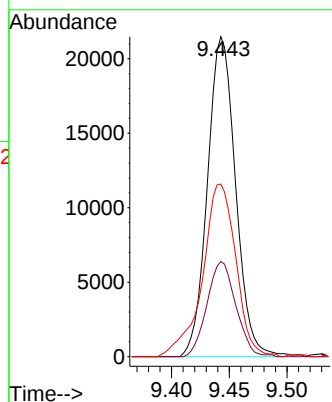
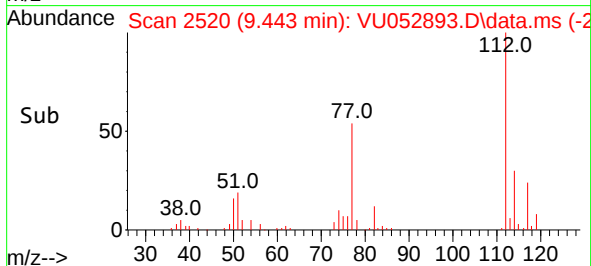


#51
Chlorobenzene
Concen: 6.359 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052893.D
Acq: 31 Jan 2023 20:48

Instrument :
MSVOA_U
ClientSampleId :

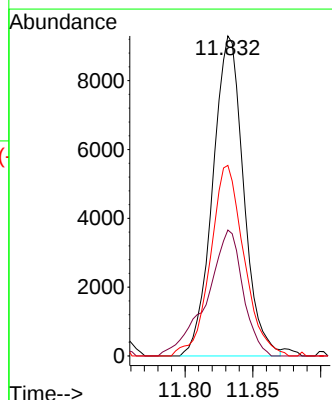
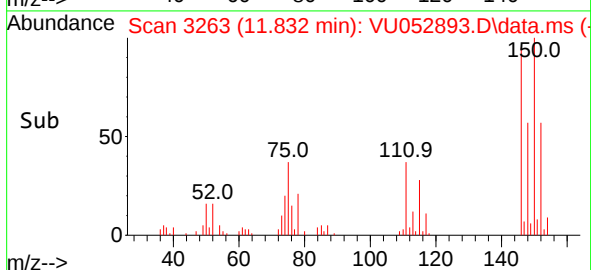
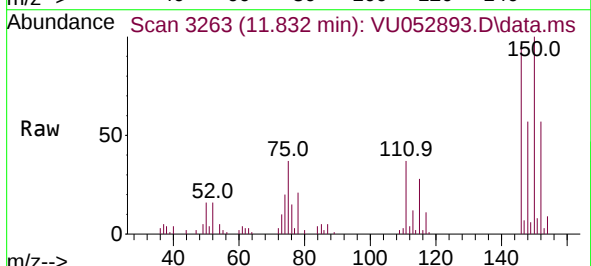


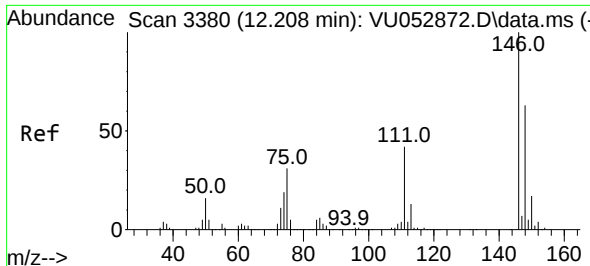
Tgt Ion:112 Resp: 36365
Ion Ratio Lower Upper
112 100
114 29.8 22.8 42.4
77 54.0 45.9 68.9



#65
1,4-Dichlorobenzene
Concen: 4.011 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052893.D
Acq: 31 Jan 2023 20:48

Tgt Ion:146 Resp: 14734
Ion Ratio Lower Upper
146 100
111 39.3 26.7 49.7
148 59.6 45.6 84.6

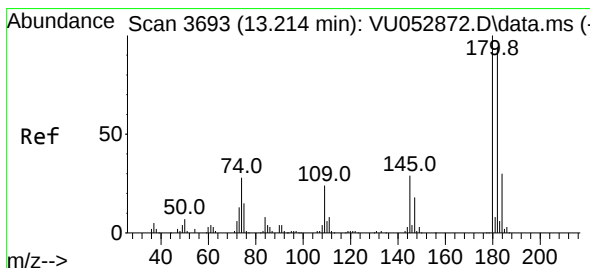
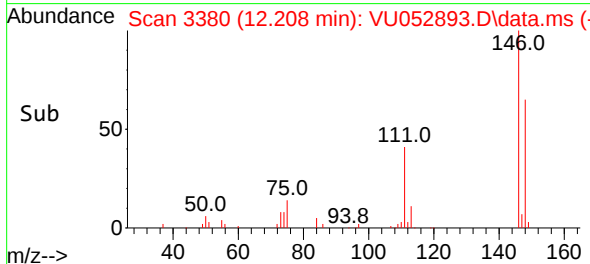
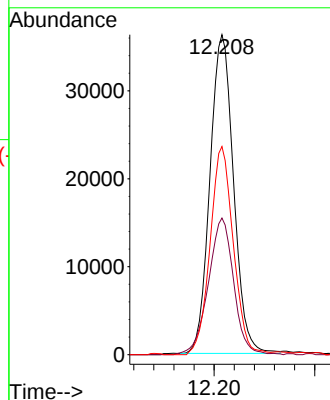
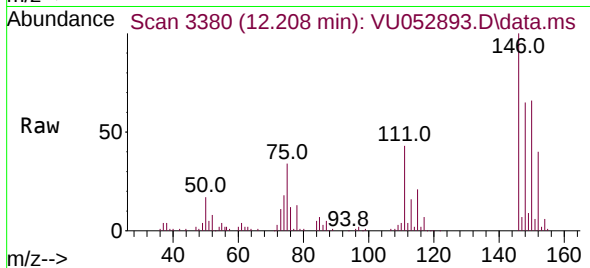




#67
1,2-Dichlorobenzene
Concen: 16.463 ug/L
RT: 12.208 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052893.D
Acq: 31 Jan 2023 20:48

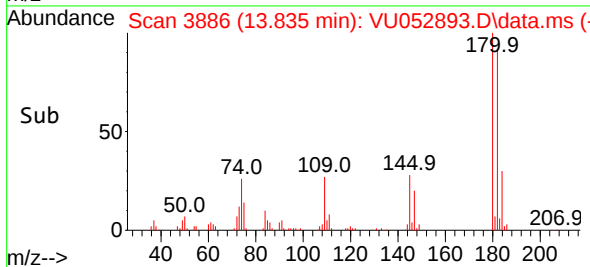
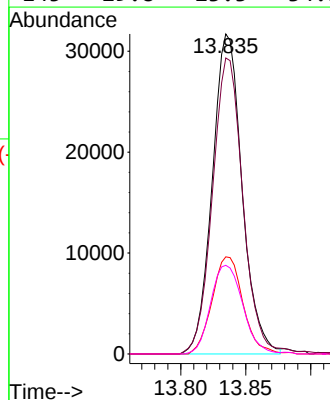
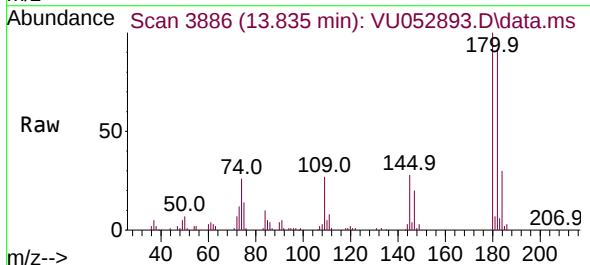
Instrument :
MSVOA_U
ClientSampleId :

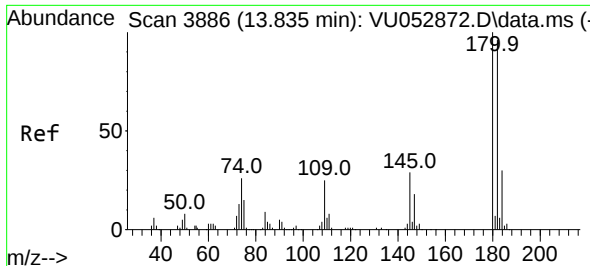
Tgt Ion:146 Resp: 59082
Ion Ratio Lower Upper
146 100
111 42.7 33.2 49.8
148 65.0 50.2 75.4



#69
1,3,5-Trichlorobenzene
Concen: 19.235 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.621 min
Lab File: VU052893.D
Acq: 31 Jan 2023 20:48

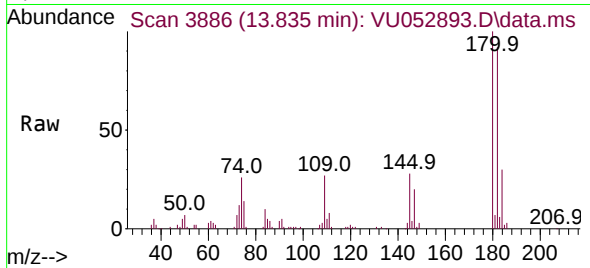
Tgt Ion:180 Resp: 50523
Ion Ratio Lower Upper
180 100
182 94.6 77.0 115.6
184 31.5 24.4 36.6
145 29.8 23.3 34.9



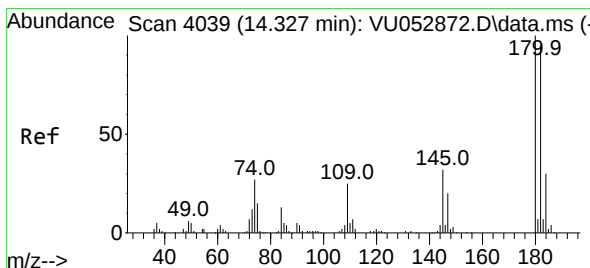
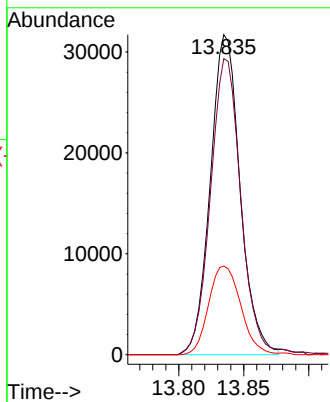
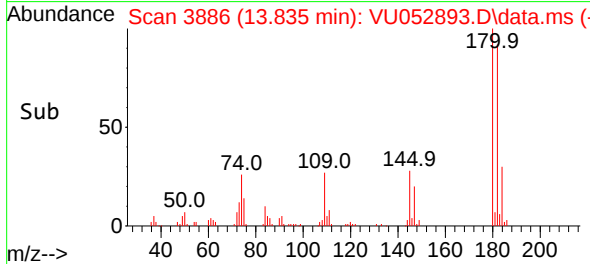


#70
1,2,4-trichlorobenzene
Concen: 22.943 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU052893.D
Acq: 31 Jan 2023 20:48

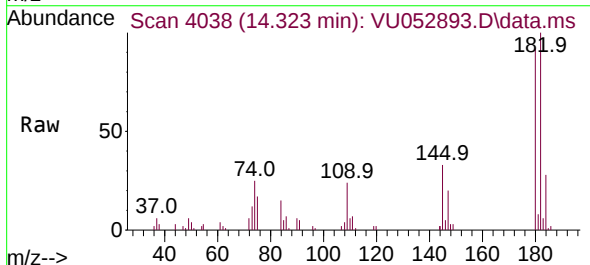
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 50523
Ion Ratio Lower Upper
180 100
182 94.6 78.2 117.2
145 29.8 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 6.015 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052893.D
Acq: 31 Jan 2023 20:48



Tgt Ion:180 Resp: 13999
Ion Ratio Lower Upper
180 100
182 101.7 77.5 116.3
145 33.0 24.2 36.4

