

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052899.D
 Acq On : 01 Feb 2023 12:48
 Operator : JC/MD
 Sample : 01381-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44N0

Quant Time: Feb 01 20:04:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

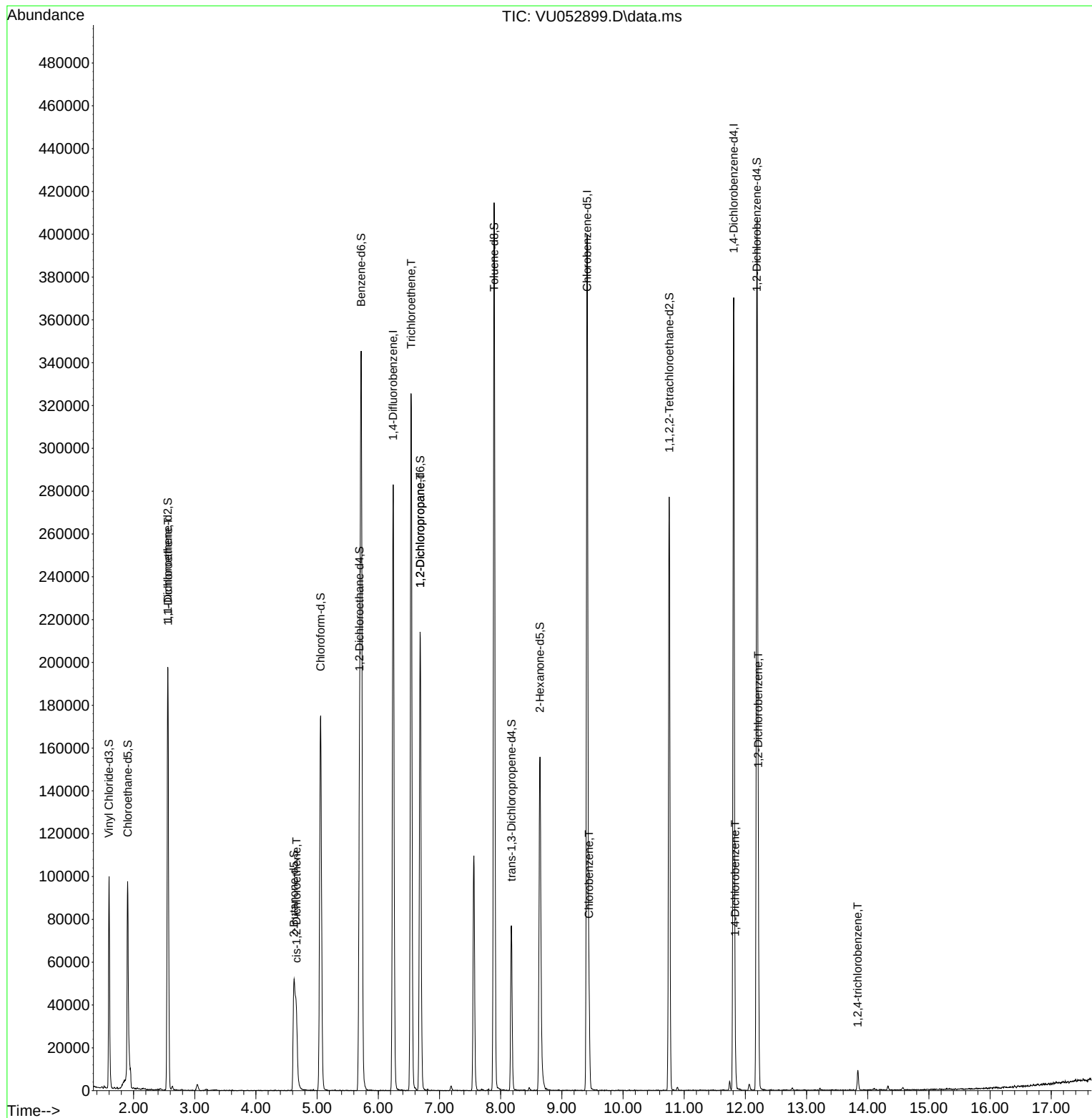
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	233657	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	221590	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	103870	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75065	44.635	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.260%
7) Chloroethane-d5	1.903	69	71568	51.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.300%
11) 1,1-Dichloroethene-d2	2.559	63	117691	35.185	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.360%
21) 2-Butanone-d5	4.620	46	81247	78.204	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.200%
24) Chloroform-d	5.057	84	168717	47.007	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.020%
26) 1,2-Dichloroethane-d4	5.694	65	111264	48.550	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.100%
32) Benzene-d6	5.719	84	319561	47.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.684	67	94803	47.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.500%
41) Toluene-d8	7.893	98	272247	44.163	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.320%
43) trans-1,3-Dichloroprop...	8.176	79	44933	45.151	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.300%
47) 2-Hexanone-d5	8.642	63	57269	82.088	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.090%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	130323	44.425	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.840%
66) 1,2-Dichlorobenzene-d4	12.189	152	104688	51.906	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.820%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.562	96	1240	0.717	ug/L #	1
20) cis-1,2-Dichloroethene	4.662	96	15603	7.824	ug/L	88
34) Trichloroethene	6.536	95	107508	56.075	ug/L	94
37) 1,2-Dichloropropane	6.684	63	11084	5.977	ug/L #	85
51) Chlorobenzene	9.443	112	25122	4.723	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	7501	2.141	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	35980	10.510	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	3558	1.694	ug/L	98

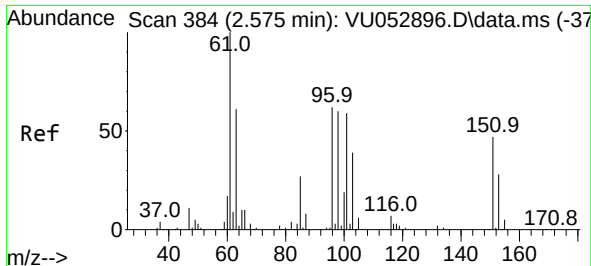
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Feb 01 20:03:09 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.717 ug/L

RT: 2.562 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU052899.D

Acq: 01 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

A44N0

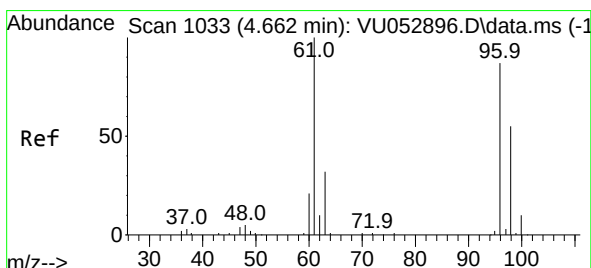
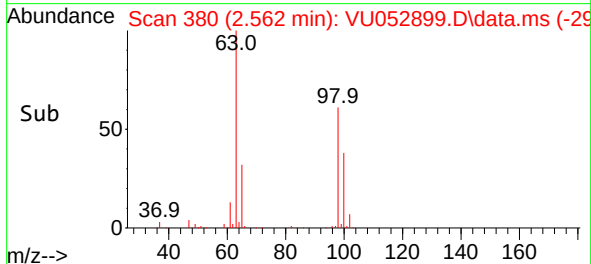
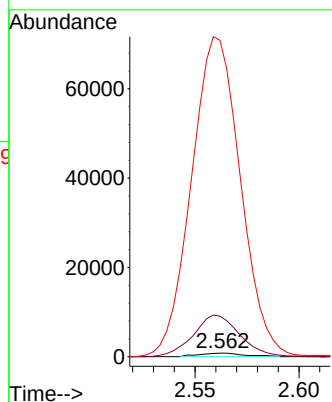
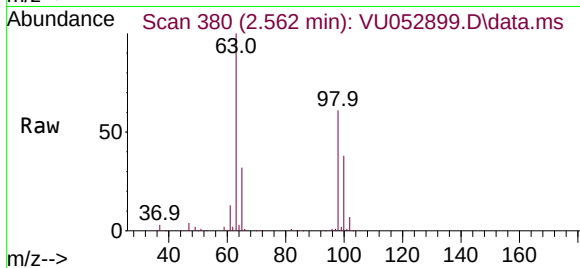
Tgt Ion: 96 Resp: 1240

Ion Ratio Lower Upper

96 100

61 1128.3 114.3 212.3#

63 8826.9 80.6 149.6#



#20

cis-1,2-Dichloroethene

Concen: 7.824 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052899.D

Acq: 01 Feb 2023 12:48

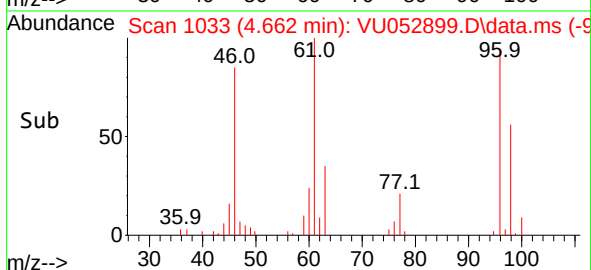
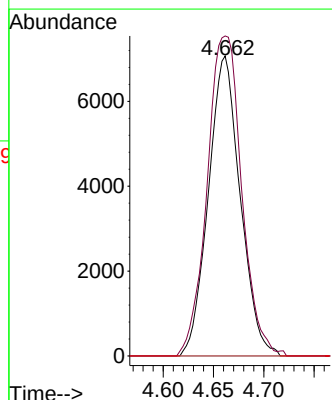
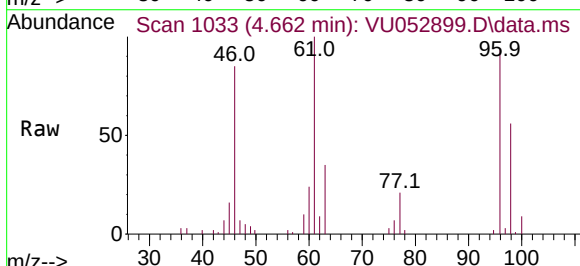
Tgt Ion: 96 Resp: 15603

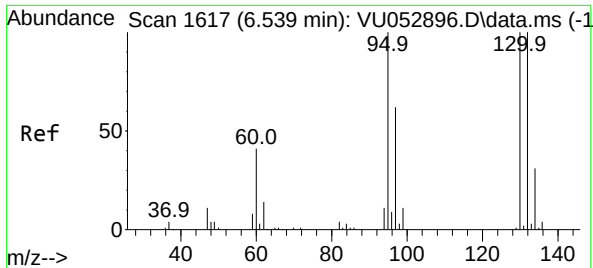
Ion Ratio Lower Upper

96 100

61 106.6 84.1 156.1

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 56.075 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052899.D

Acq: 01 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

A44N0

Tgt Ion: 95 Resp: 107508

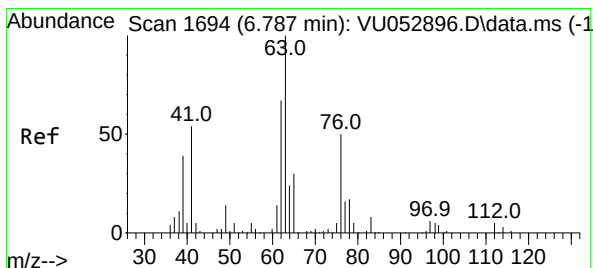
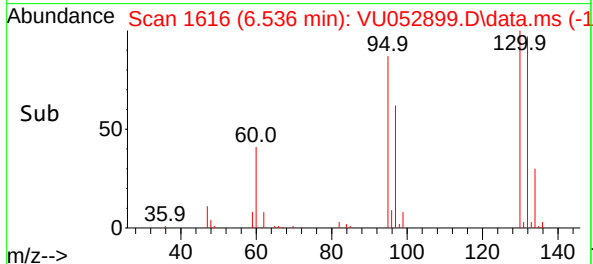
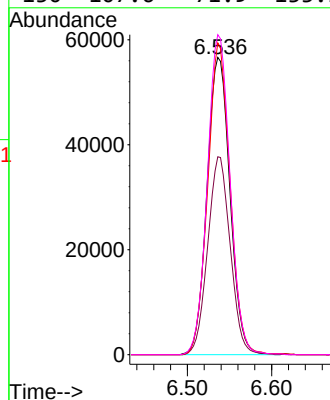
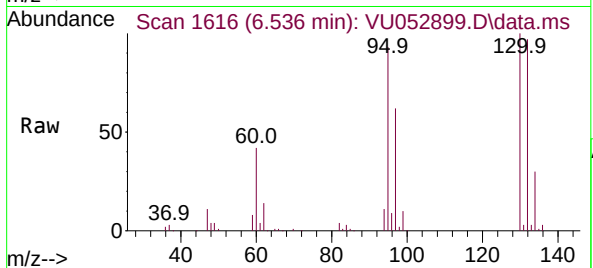
Ion Ratio Lower Upper

95 100

97 66.6 44.5 82.7

132 104.9 66.8 124.0

130 107.6 71.9 133.5



#37

1,2-Dichloropropane

Concen: 5.977 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.103 min

Lab File: VU052899.D

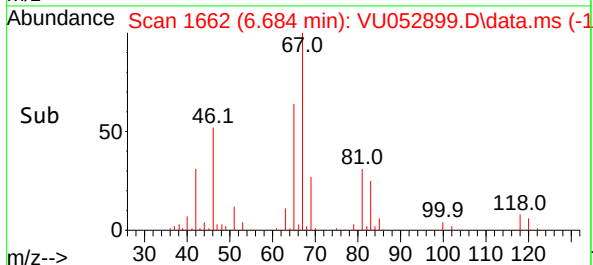
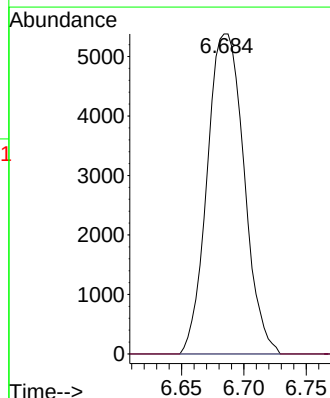
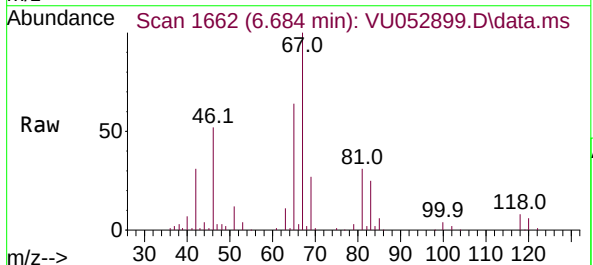
Acq: 01 Feb 2023 12:48

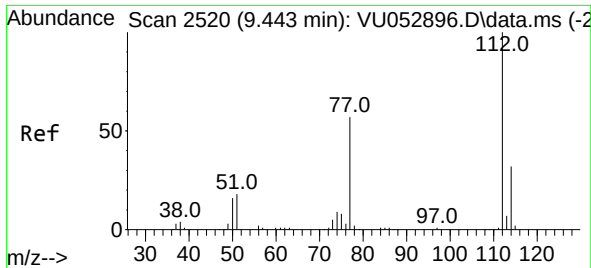
Tgt Ion: 63 Resp: 11084

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

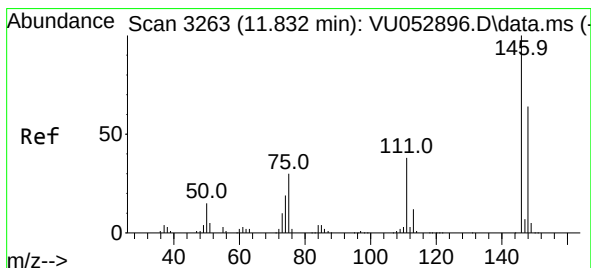
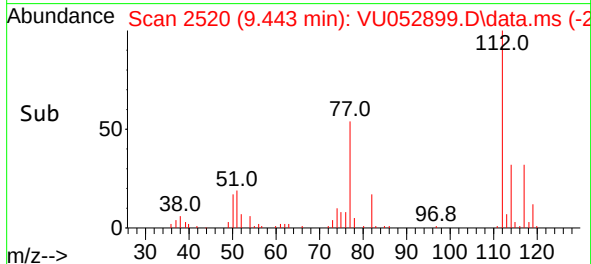
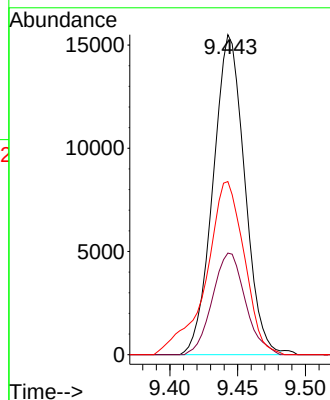
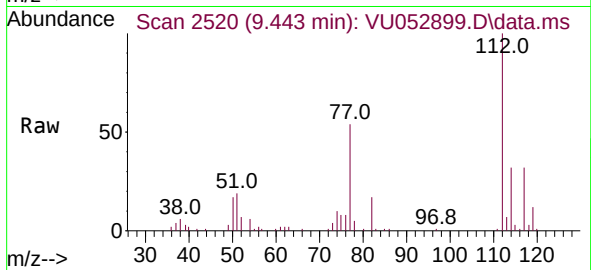




#51
Chlorobenzene
Concen: 4.723 ug/L
RT: 9.443 min Scan# 25122
Delta R.T. 0.000 min
Lab File: VU052899.D
Acq: 01 Feb 2023 12:48

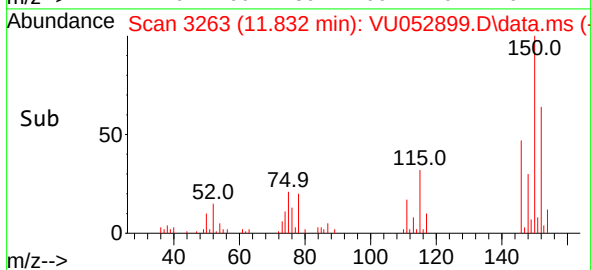
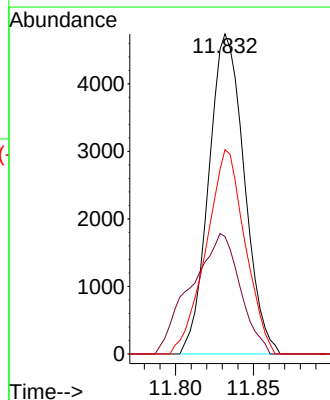
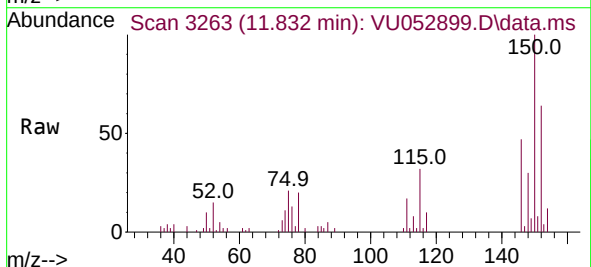
Instrument :
MSVOA_U
ClientSampleId :
A44N0

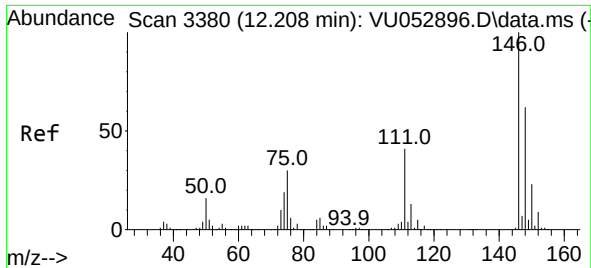
Tgt Ion:	112	Resp:	25122
Ion Ratio	Lower	Upper	
112	100		
114	31.8	22.8	42.4
77	54.1	45.9	68.9



#65
1,4-Dichlorobenzene
Concen: 2.141 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052899.D
Acq: 01 Feb 2023 12:48

Tgt Ion:	146	Resp:	7501
Ion Ratio	Lower	Upper	
146	100		
111	36.7	26.7	49.7
148	63.9	45.6	84.6





#67

1,2-Dichlorobenzene

Concen: 10.510 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU052899.D

Acq: 01 Feb 2023 12:48

Instrument :

MSVOA_U

ClientSampleId :

A44N0

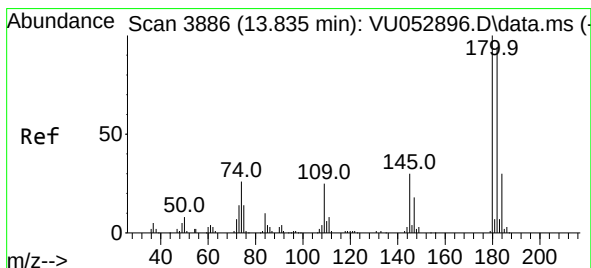
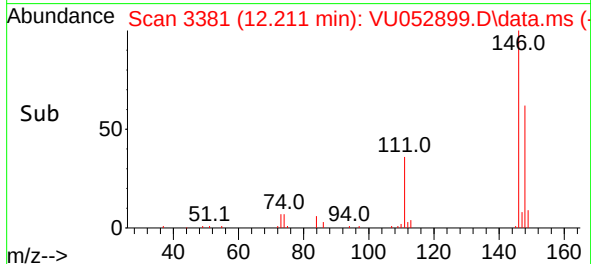
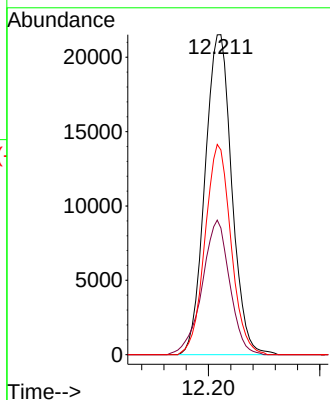
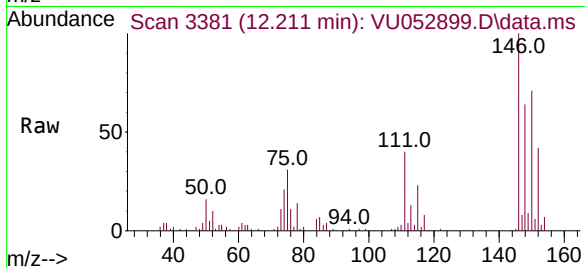
Tgt Ion:146 Resp: 35980

Ion Ratio Lower Upper

146 100

111 39.6 33.2 49.8

148 63.9 50.2 75.4



#70

1,2,4-trichlorobenzene

Concen: 1.694 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052899.D

Acq: 01 Feb 2023 12:48

Tgt Ion:180 Resp: 3558

Ion Ratio Lower Upper

180 100

182 95.5 78.2 117.2

145 28.8 23.4 35.2

