

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052901.D
 Acq On : 01 Feb 2023 13:35
 Operator : JC/MD
 Sample : 01381-02DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44M6DL

Quant Time: Feb 01 20:04:42 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)

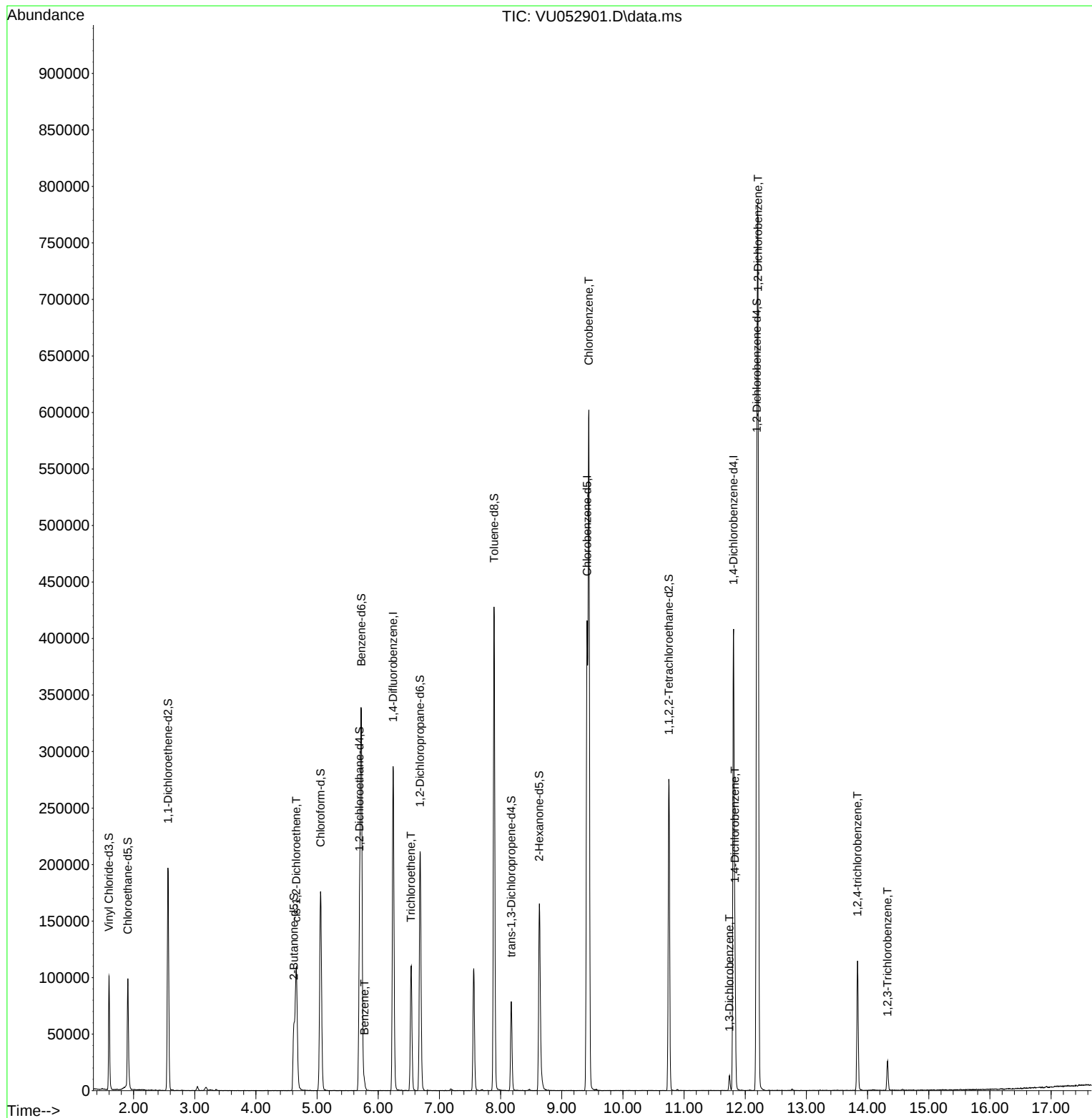
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	237659	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	227244	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	109102	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76760	44.874	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.740%
7) Chloroethane-d5	1.906	69	70813	50.241	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.480%
11) 1,1-Dichloroethene-d2	2.562	63	116700	34.301	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.600%
21) 2-Butanone-d5	4.620	46	84368	79.841	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.840%
24) Chloroform-d	5.057	84	169997	46.566	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.140%
26) 1,2-Dichloroethane-d4	5.693	65	109614	47.025	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.040%
32) Benzene-d6	5.722	84	324742	46.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.540%
36) 1,2-Dichloropropane-d6	6.684	67	95778	47.038	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.080%
41) Toluene-d8	7.893	98	277685	43.924	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.840%
43) trans-1,3-Dichloroprop...	8.176	79	44876	43.972	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.940%
47) 2-Hexanone-d5	8.632	63	56453	78.905	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.910%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	130548	43.394	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.780%
66) 1,2-Dichlorobenzene-d4	12.188	152	114438	54.019	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.040%
Target Compounds						
					Qvalue	
20) cis-1,2-Dichloroethene	4.661	96	56112	27.661	ug/L	98
33) Benzene	5.774	78	7899	1.021	ug/L	100
34) Trichloroethene	6.536	95	36420	18.524	ug/L	91
51) Chlorobenzene	9.443	112	323222	59.260	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	5555	1.563	ug/L	94
65) 1,4-Dichlorobenzene	11.831	146	48440	13.162	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	281809	78.371	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	36987	16.762	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	9150	3.924	ug/L	96

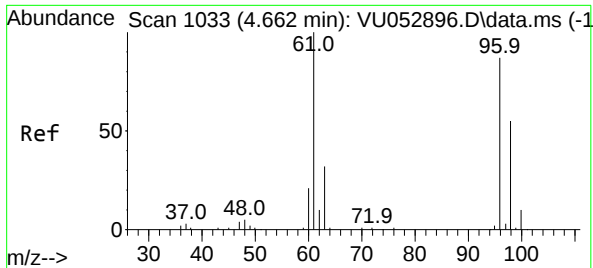
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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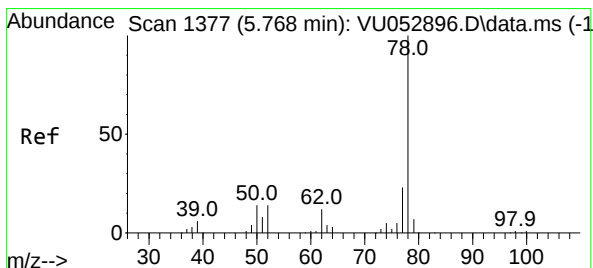
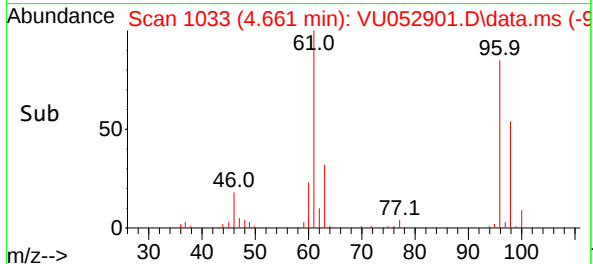
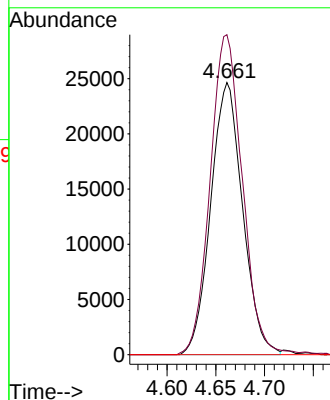
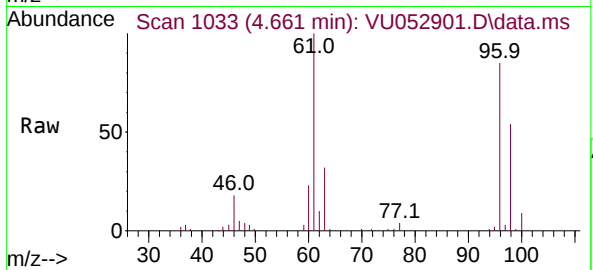




#20
 cis-1,2-Dichloroethene
 Concen: 27.661 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052901.D
 Acq: 01 Feb 2023 13:35

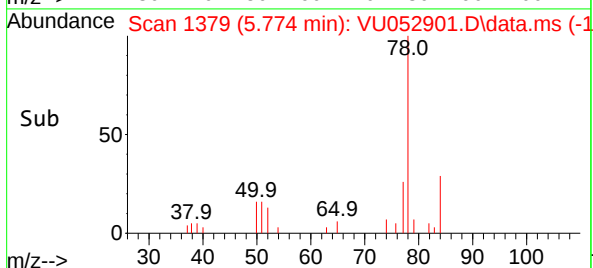
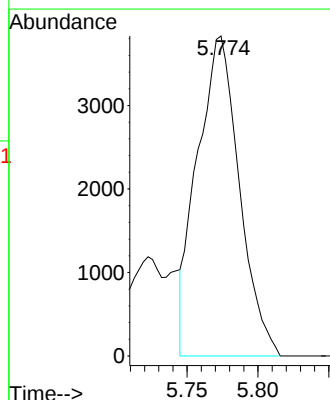
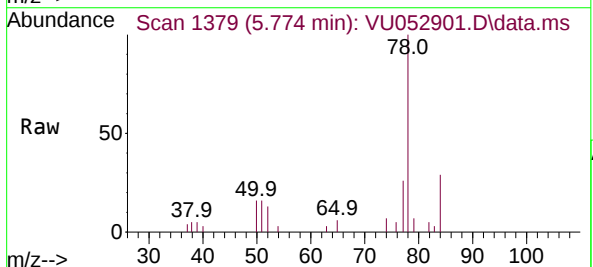
Instrument :
 MSVOA_U
 ClientSampleId :
 A44M6DL

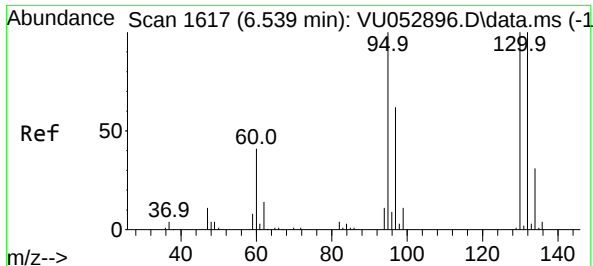
Tgt Ion: 96 Resp: 56112
 Ion Ratio Lower Upper
 96 100
 61 117.6 84.1 156.1
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 1.021 ug/L
 RT: 5.774 min Scan# 1379
 Delta R.T. 0.006 min
 Lab File: VU052901.D
 Acq: 01 Feb 2023 13:35

Tgt Ion: 78 Resp: 7899

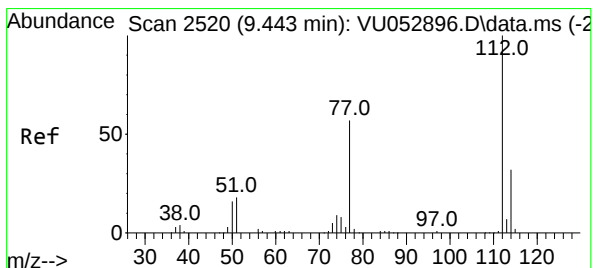
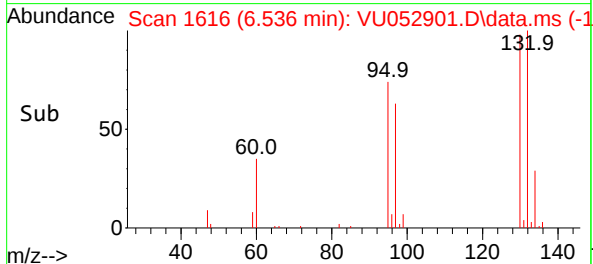
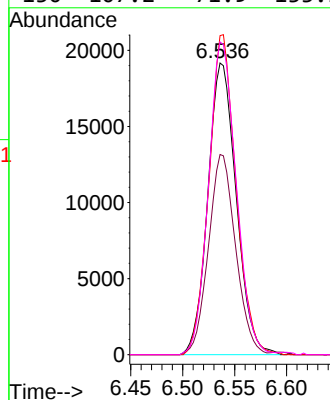
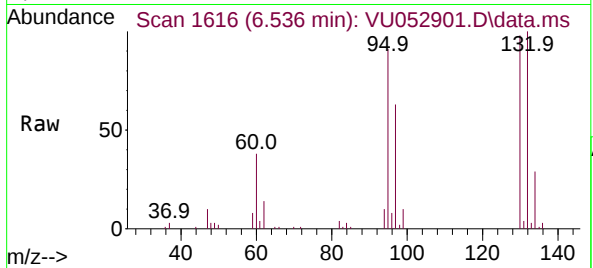




#34
Trichloroethene
Concen: 18.524 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052901.D
Acq: 01 Feb 2023 13:35

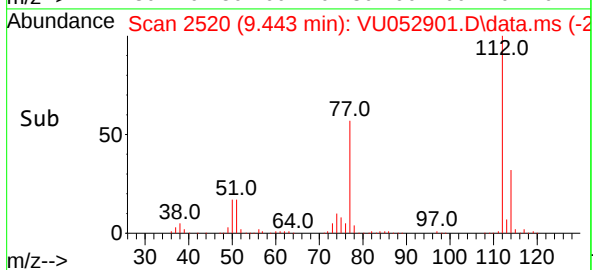
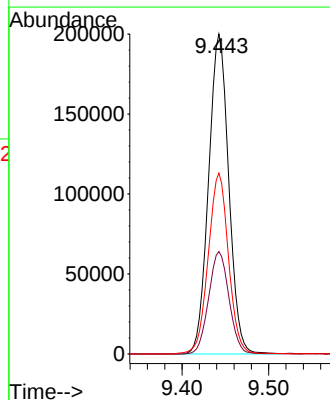
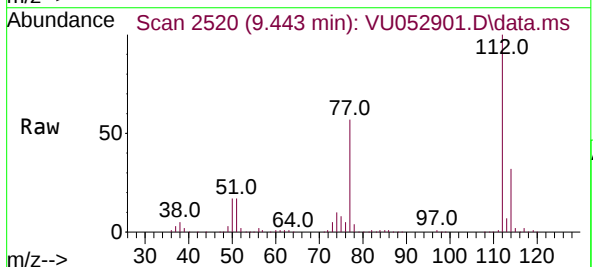
Instrument :
MSVOA_U
ClientSampleId :
A44M6DL

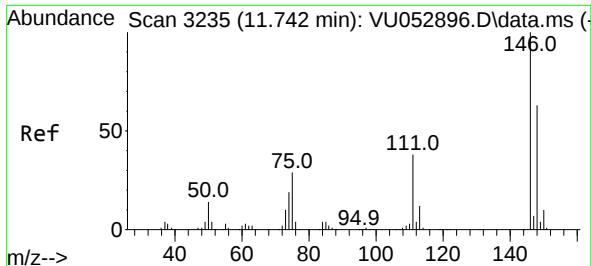
Tgt Ion: 95 Resp: 36420
Ion Ratio Lower Upper
95 100
97 68.6 44.5 82.7
132 109.3 66.8 124.0
130 107.2 71.9 133.5



#51
Chlorobenzene
Concen: 59.260 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052901.D
Acq: 01 Feb 2023 13:35

Tgt Ion: 112 Resp: 323222
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 56.5 45.9 68.9

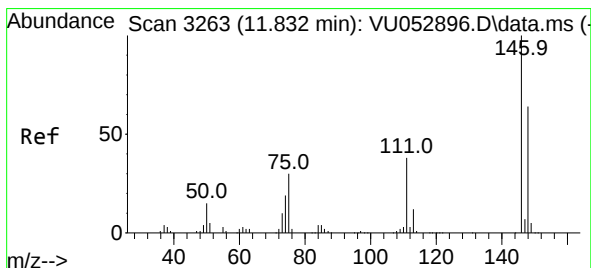
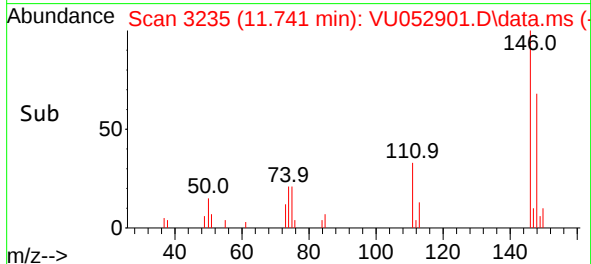
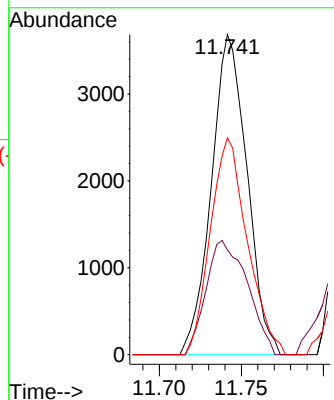
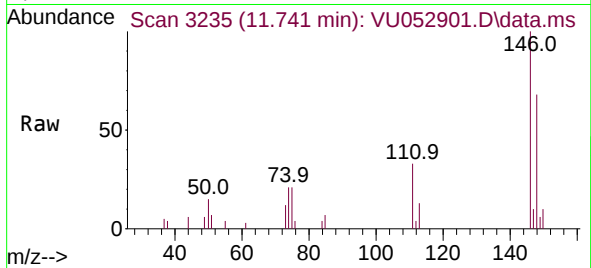




#64
1,3-Dichlorobenzene
Concen: 1.563 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052901.D
Acq: 01 Feb 2023 13:35

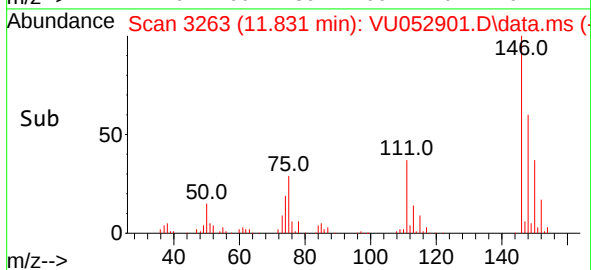
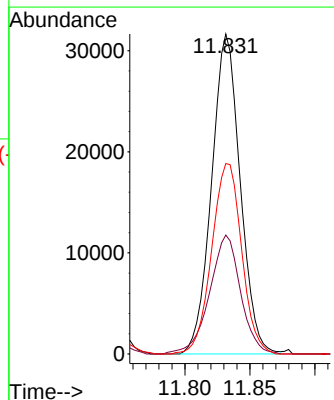
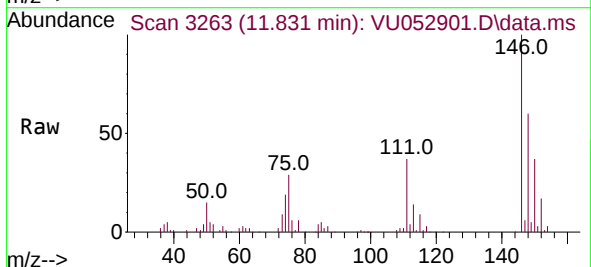
Instrument :
MSVOA_U
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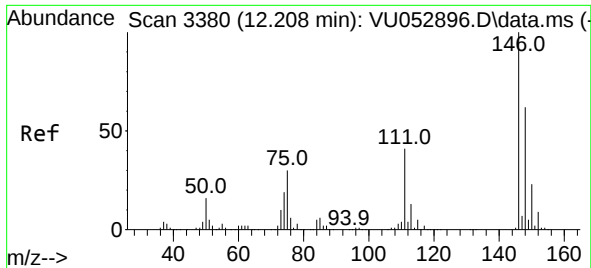
Tgt Ion:146 Resp: 5555
Ion Ratio Lower Upper
146 100
111 32.8 27.8 51.6
148 67.8 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 13.162 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052901.D
Acq: 01 Feb 2023 13:35

Tgt Ion:146 Resp: 48440
Ion Ratio Lower Upper
146 100
111 37.1 26.7 49.7
148 59.5 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 78.371 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052901.D

Acq: 01 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

A44M6DL

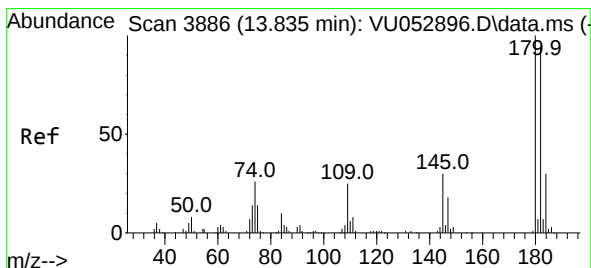
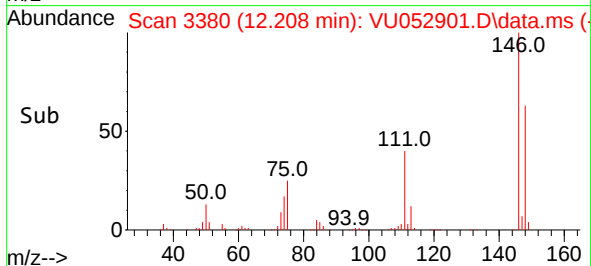
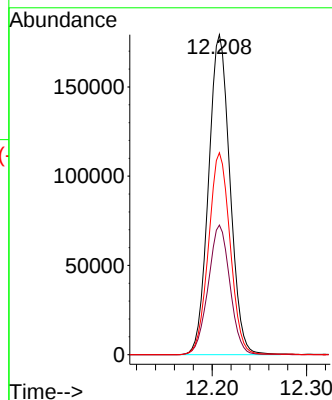
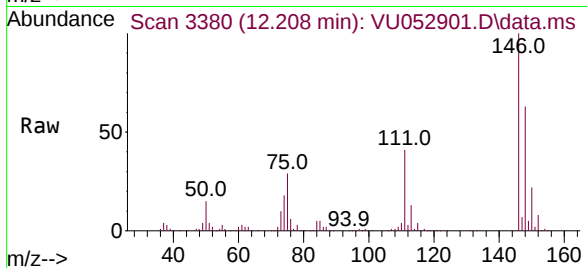
Tgt Ion:146 Resp: 281809

Ion Ratio Lower Upper

146 100

111 40.5 33.2 49.8

148 63.1 50.2 75.4



#70

1,2,4-trichlorobenzene

Concen: 16.762 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052901.D

Acq: 01 Feb 2023 13:35

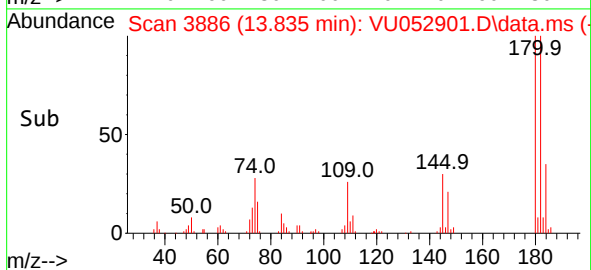
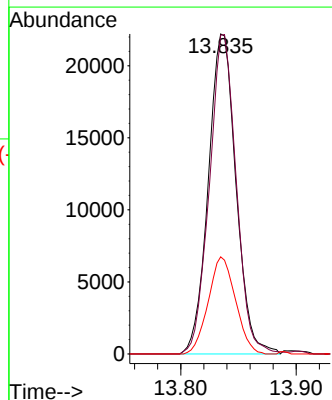
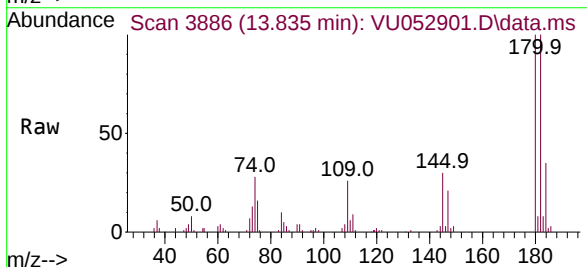
Tgt Ion:180 Resp: 36987

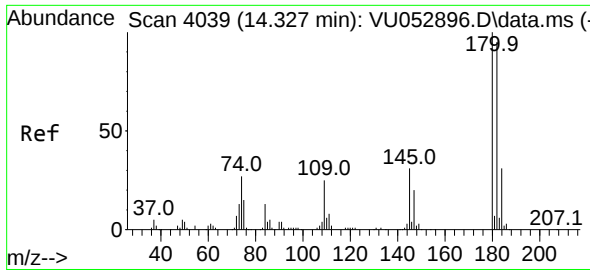
Ion Ratio Lower Upper

180 100

182 96.7 78.2 117.2

145 29.8 23.4 35.2





#72

1,2,3-Trichlorobenzene

Concen: 3.924 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU052901.D

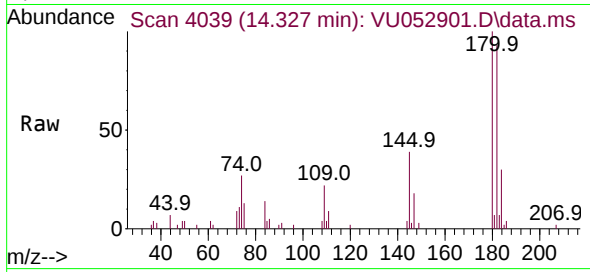
Acq: 01 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:180 Resp: 9150

Ion Ratio Lower Upper

180 100

182 94.7 77.5 116.3

145 35.2 24.2 36.4

