

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053631.D
 Acq On : 11 Apr 2023 13:36
 Operator : JC/MD
 Sample : 02251-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD2

Quant Time: Apr 12 02:23:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

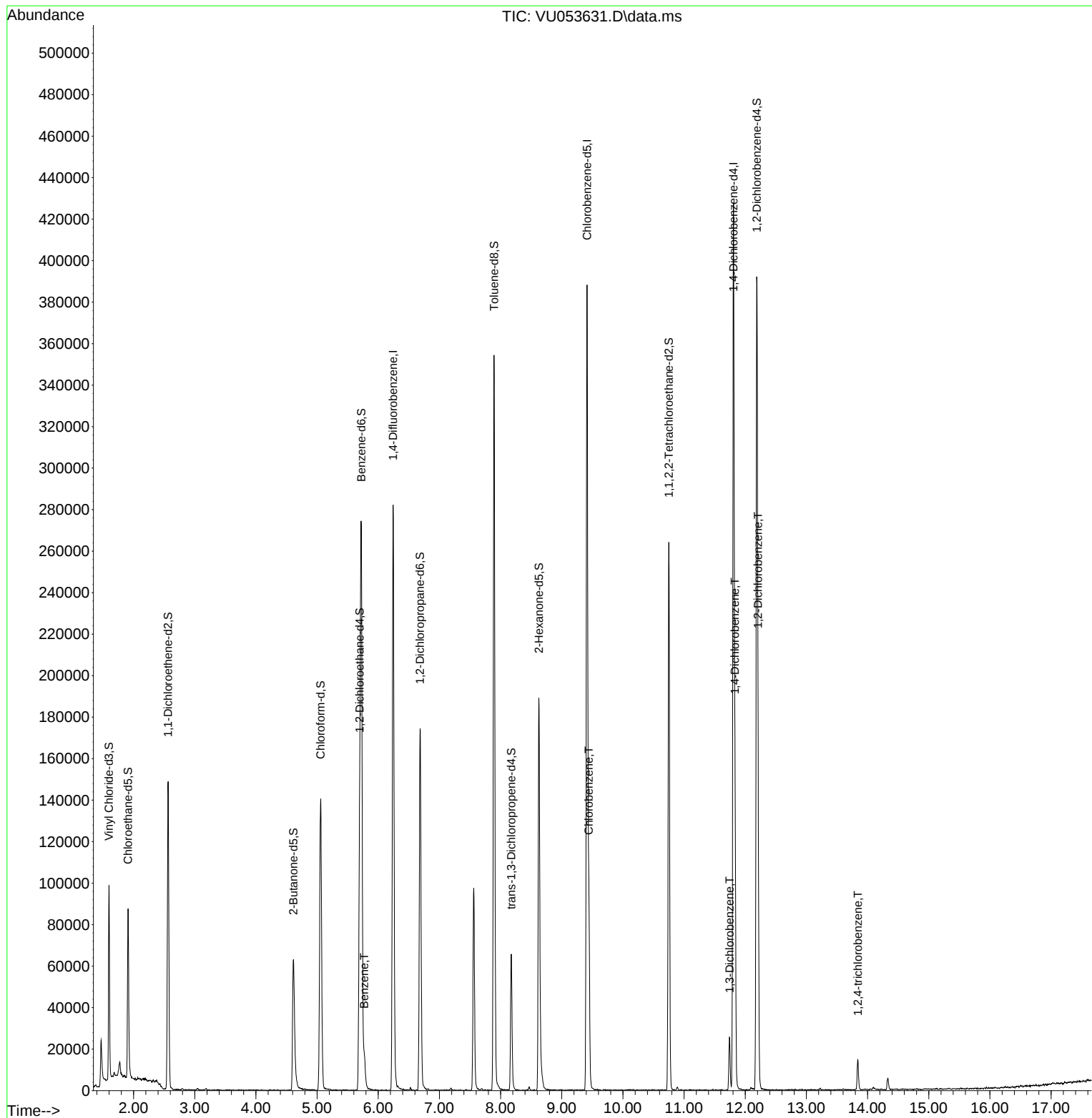
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	237452	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	226092	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	112786	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70438	38.096	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.200%
7) Chloroethane-d5	1.909	69	62802	44.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.100%
11) 1,1-Dichloroethene-d2	2.565	63	85659	29.929	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.860%#
21) 2-Butanone-d5	4.613	46	88819	106.100	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.100%
24) Chloroform-d	5.057	84	130667	42.732	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.460%
26) 1,2-Dichloroethane-d4	5.697	65	86292	47.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.520%
32) Benzene-d6	5.723	84	266371	43.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.300%
36) 1,2-Dichloropropane-d6	6.684	67	87338	46.821	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.640%
41) Toluene-d8	7.893	98	243430	40.132	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.260%
43) trans-1,3-Dichloroprop...	8.176	79	38574	40.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.120%
47) 2-Hexanone-d5	8.626	63	66262	104.083	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.080%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	127024	48.314	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.620%
66) 1,2-Dichlorobenzene-d4	12.189	152	100263	42.588	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.180%
Target Compounds						
					Qvalue	
33) Benzene	5.771	78	14378	2.441	ug/L	100
51) Chlorobenzene	9.443	112	48852	10.621	ug/L	94
64) 1,3-Dichlorobenzene	11.745	146	11077	3.179	ug/L	93
65) 1,4-Dichlorobenzene	11.832	146	57052	16.066	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	51701	14.888	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	5233	2.188	ug/L	96

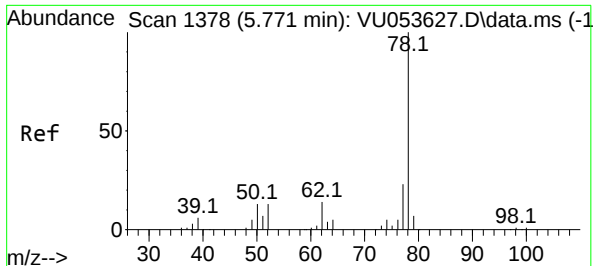
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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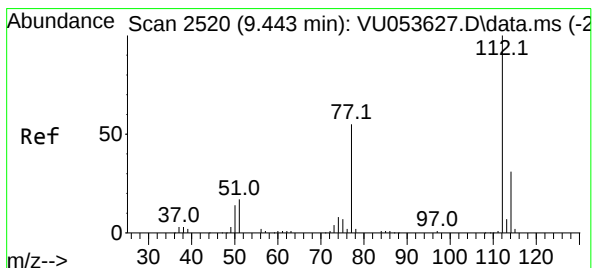
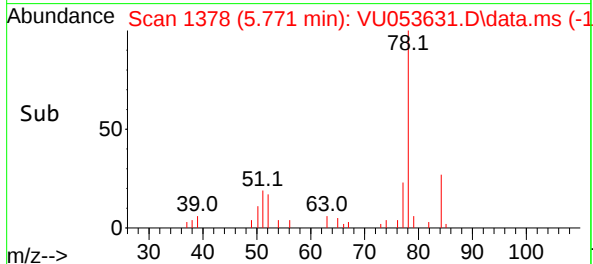
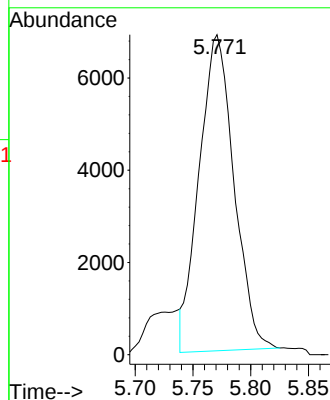
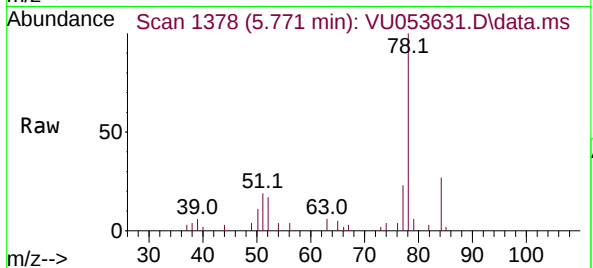




#33
Benzene
Concen: 2.441 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

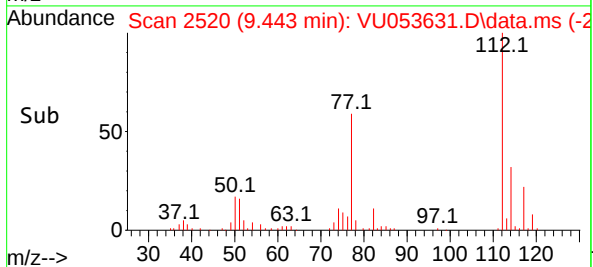
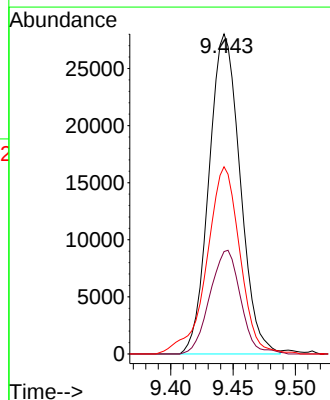
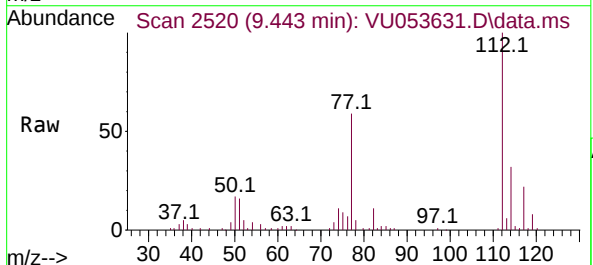
Instrument :
MSVOA_U
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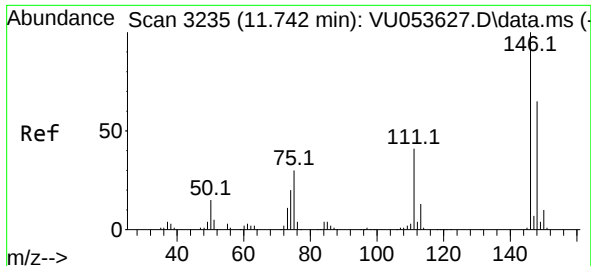
Tgt Ion: 78 Resp: 14378



#51
Chlorobenzene
Concen: 10.621 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

Tgt Ion: 112 Resp: 48852
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 58.5 41.3 61.9

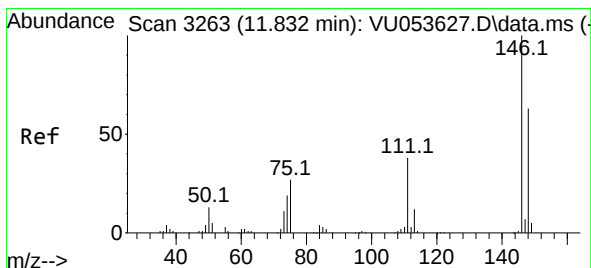
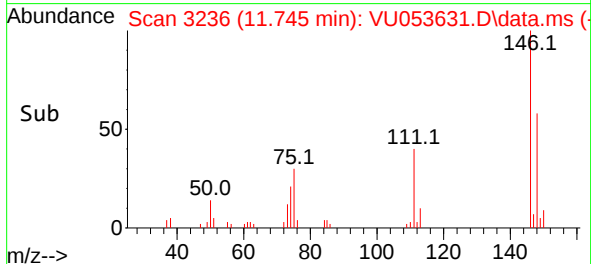
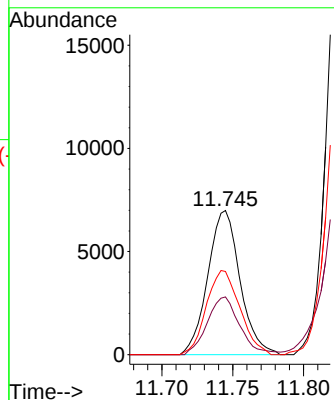
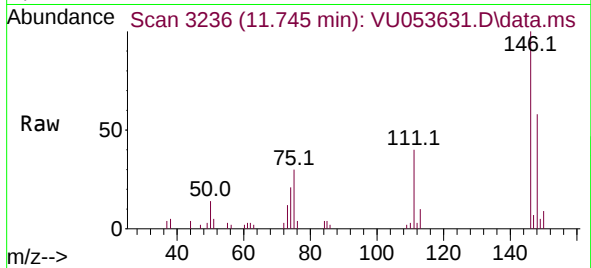




#64
1,3-Dichlorobenzene
Concen: 3.179 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

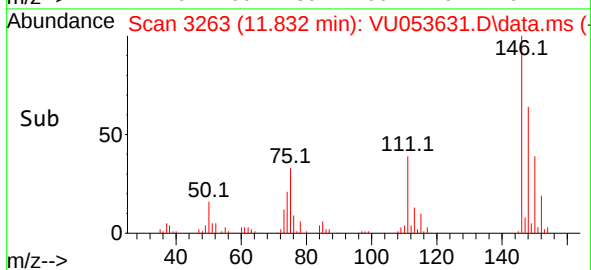
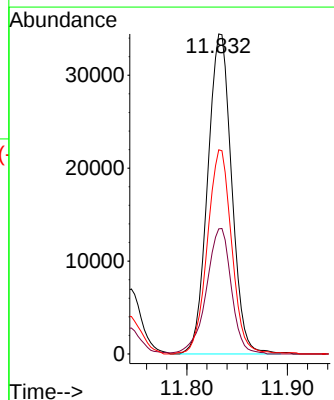
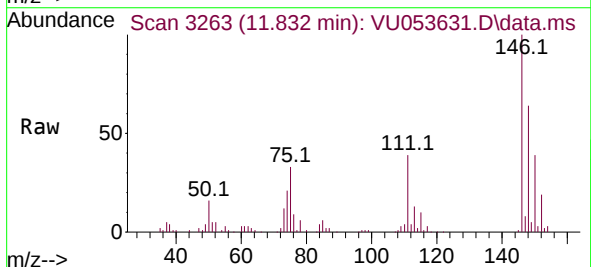
Instrument :
MSVOA_U
ClientSampleId :
COMD2

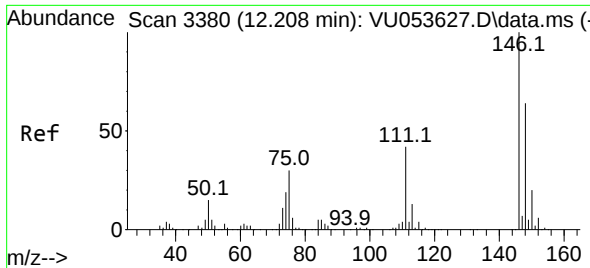
Tgt Ion:146 Resp: 11077
Ion Ratio Lower Upper
146 100
111 40.1 25.7 47.7
148 57.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 16.066 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

Tgt Ion:146 Resp: 57052
Ion Ratio Lower Upper
146 100
111 39.1 25.1 46.5
148 63.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 14.888 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053631.D

Acq: 11 Apr 2023 13:36

Instrument :

MSVOA_U

ClientSampleId :

COMD2

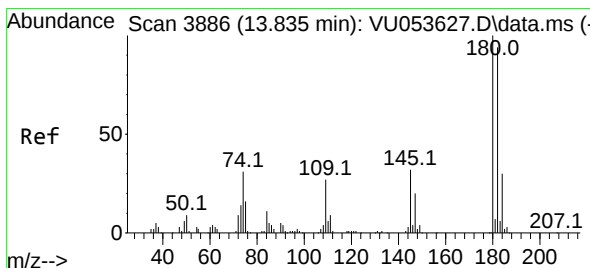
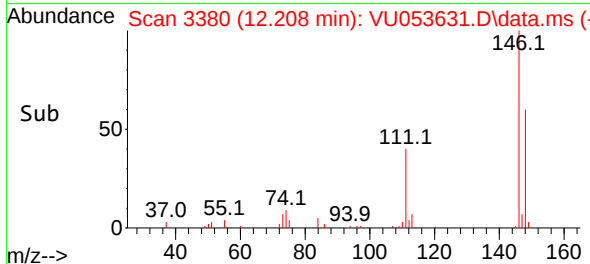
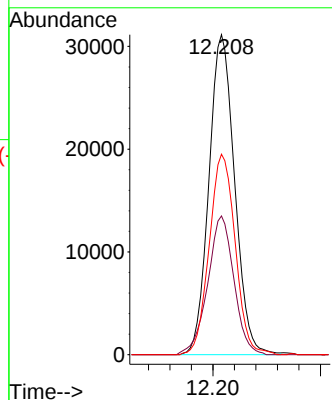
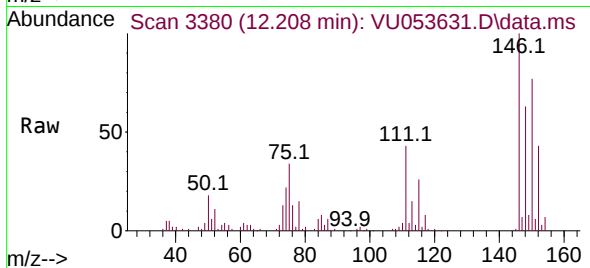
Tgt Ion:146 Resp: 51701

Ion Ratio Lower Upper

146 100

111 43.4 31.5 47.3

148 62.7 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 2.188 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU053631.D

Acq: 11 Apr 2023 13:36

Tgt Ion:180 Resp: 5233

Ion Ratio Lower Upper

180 100

182 99.1 75.8 113.8

145 27.7 23.4 35.2

