

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053633.D
 Acq On : 11 Apr 2023 14:23
 Operator : JC/MD
 Sample : 02251-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD5

Quant Time: Apr 12 02:24:25 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)

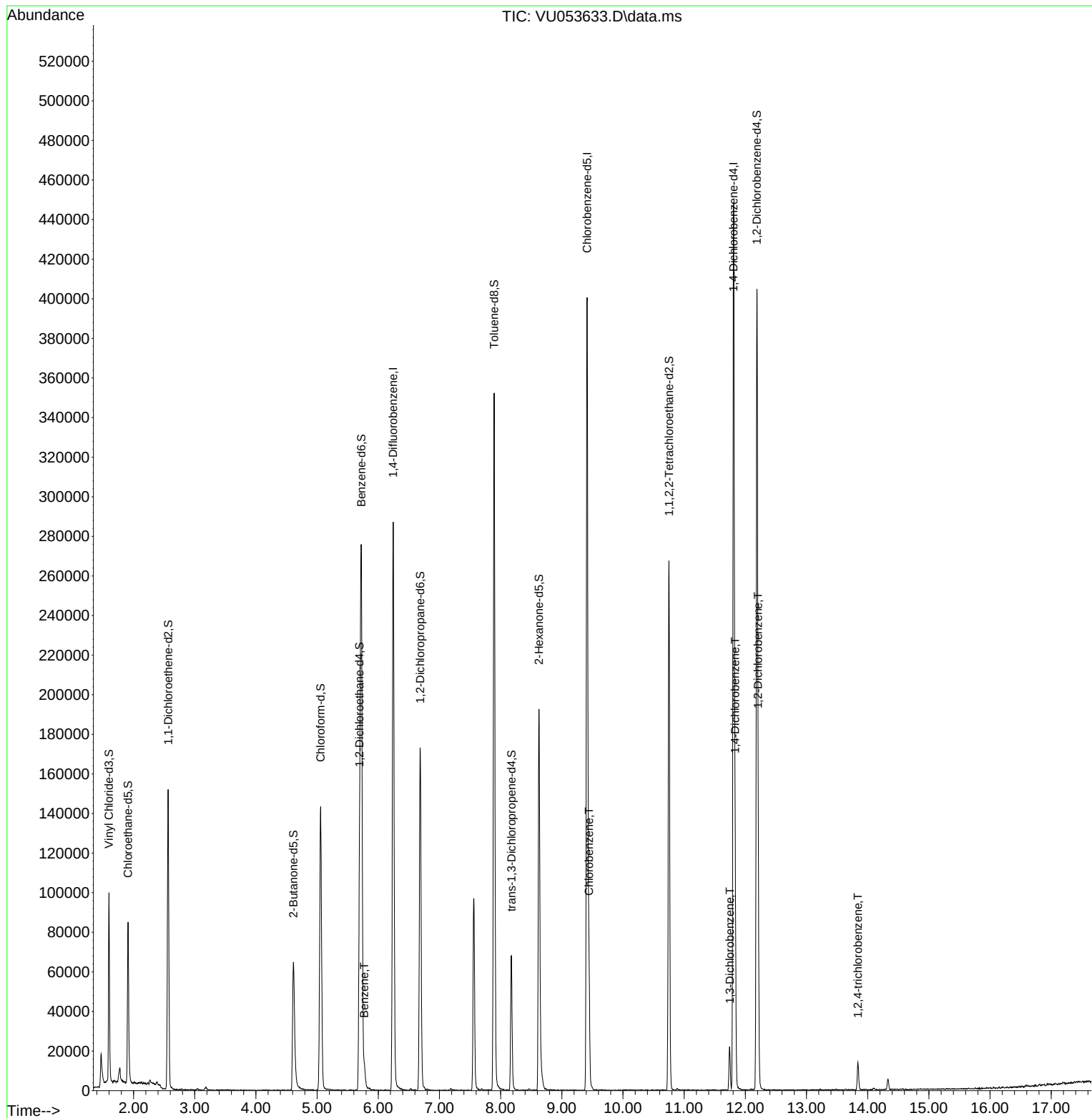
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	247969	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233084	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	118653	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69725	36.111	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.220%
7) Chloroethane-d5	1.909	69	63272	42.501	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.565	63	86179	28.833	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.660%#
21) 2-Butanone-d5	4.613	46	92291	105.572	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.570%
24) Chloroform-d	5.057	84	132952	41.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.280%
26) 1,2-Dichloroethane-d4	5.694	65	86275	45.723	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.440%
32) Benzene-d6	5.723	84	267768	42.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.120%
36) 1,2-Dichloropropane-d6	6.684	67	86460	44.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.920%
41) Toluene-d8	7.893	98	244286	39.065	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.140%#
43) trans-1,3-Dichloroprop...	8.176	79	39290	39.580	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.160%
47) 2-Hexanone-d5	8.626	63	68281	104.037	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.040%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	129777	47.881	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.760%
66) 1,2-Dichlorobenzene-d4	12.189	152	102575	41.416	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.840%
Target Compounds						
					Qvalue	
33) Benzene	5.771	78	10026	1.651	ug/L	100
51) Chlorobenzene	9.443	112	34255	7.224	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	9266	2.528	ug/L	92
65) 1,4-Dichlorobenzene	11.832	146	47655	12.756	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	40250	11.017	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	5162	2.051	ug/L	99

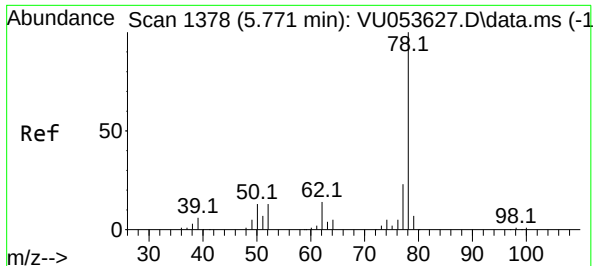
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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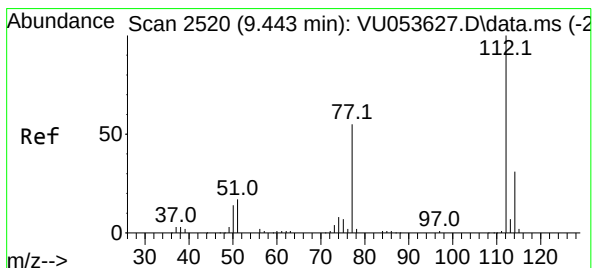
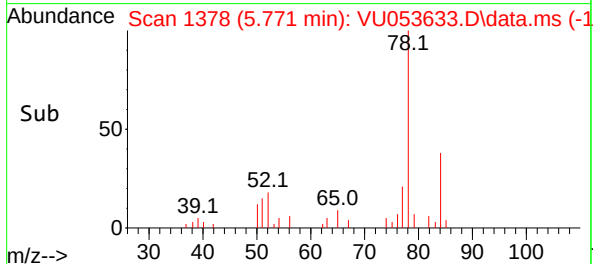
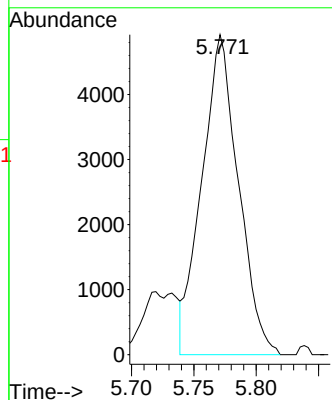
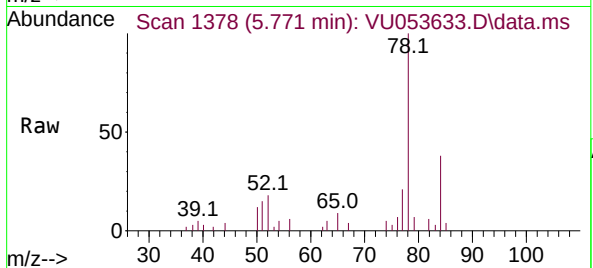




#33
Benzene
Concen: 1.651 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053633.D
Acq: 11 Apr 2023 14:23

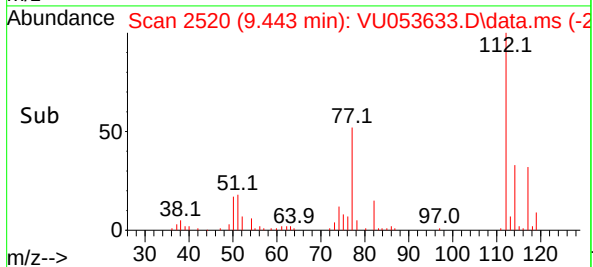
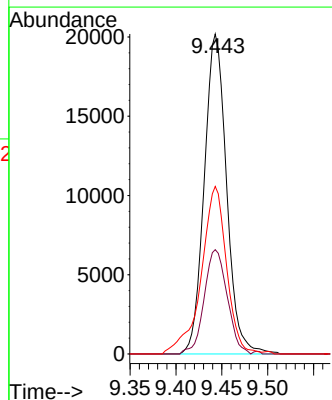
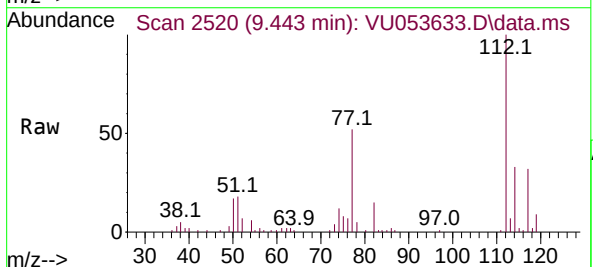
Instrument :
MSVOA_U
ClientSampleId :
COMD5

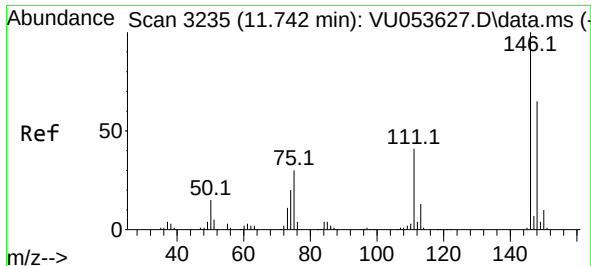
Tgt Ion: 78 Resp: 10026



#51
Chlorobenzene
Concen: 7.224 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053633.D
Acq: 11 Apr 2023 14:23

Tgt Ion: 112 Resp: 34255
Ion Ratio Lower Upper
112 100
114 32.6 22.2 41.2
77 52.3 41.3 61.9

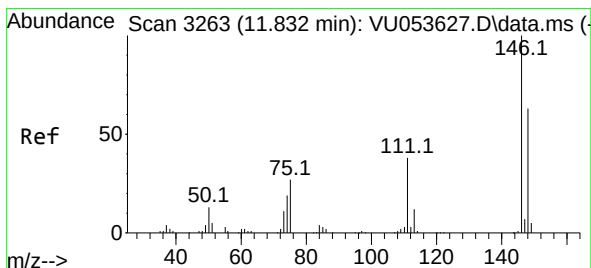
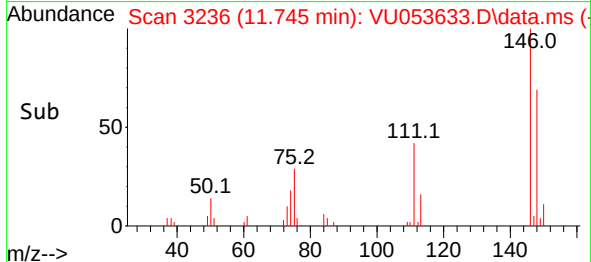
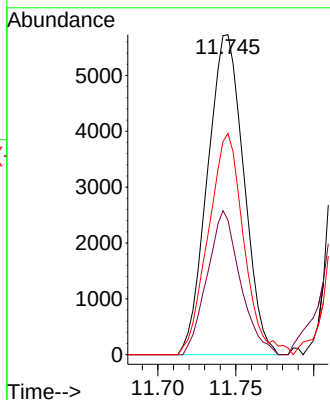
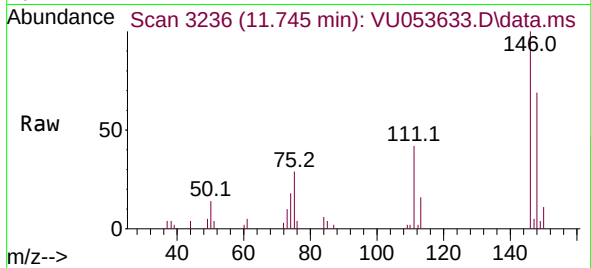




#64
1,3-Dichlorobenzene
Concen: 2.528 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053633.D
Acq: 11 Apr 2023 14:23

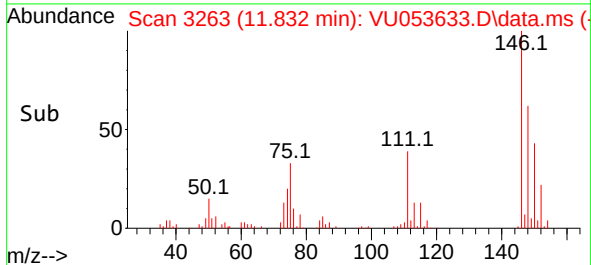
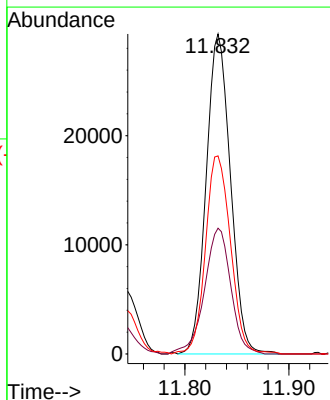
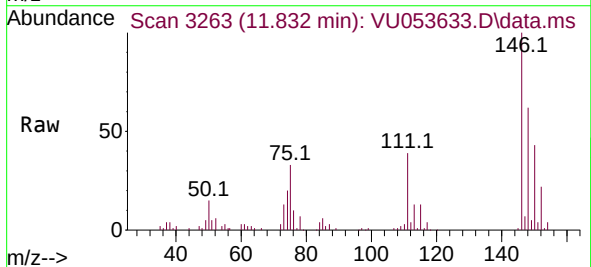
Instrument :
MSVOA_U
ClientSampleId :
COMD5

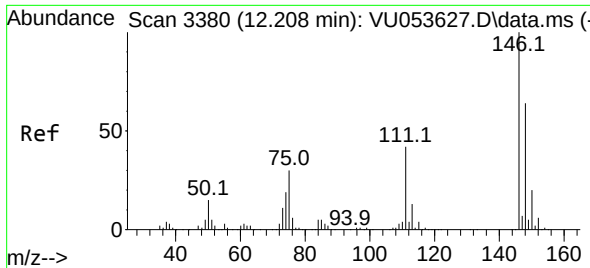
Tgt Ion:146 Resp: 9266
Ion Ratio Lower Upper
146 100
111 42.0 25.7 47.7
148 69.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 12.756 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053633.D
Acq: 11 Apr 2023 14:23

Tgt Ion:146 Resp: 47655
Ion Ratio Lower Upper
146 100
111 39.3 25.1 46.5
148 61.9 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 11.017 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053633.D

Acq: 11 Apr 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

COMD5

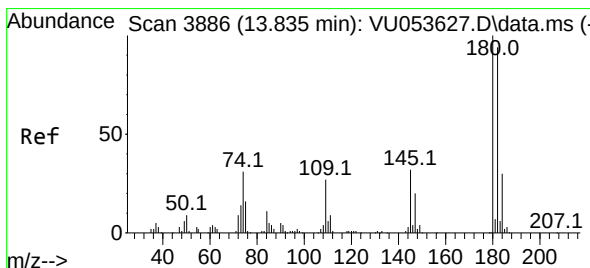
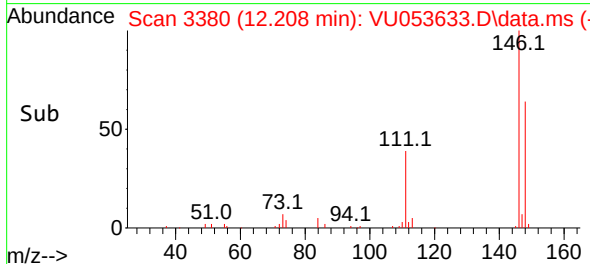
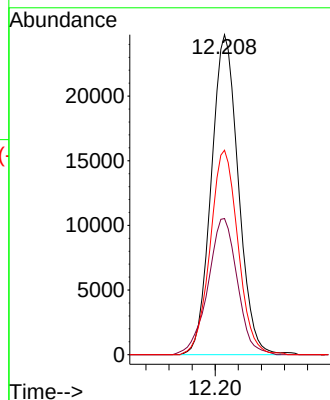
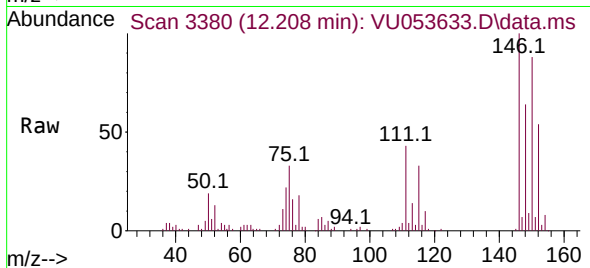
Tgt Ion:146 Resp: 40250

Ion Ratio Lower Upper

146 100

111 42.6 31.5 47.3

148 63.9 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 2.051 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053633.D

Acq: 11 Apr 2023 14:23

Tgt Ion:180 Resp: 5162

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 27.4 23.4 35.2

