

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046311.D
 Acq On : 13 Dec 2021 13:37
 Operator : SY/MD
 Sample : M4971-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3D0

Quant Time: Dec 14 02:34:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

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

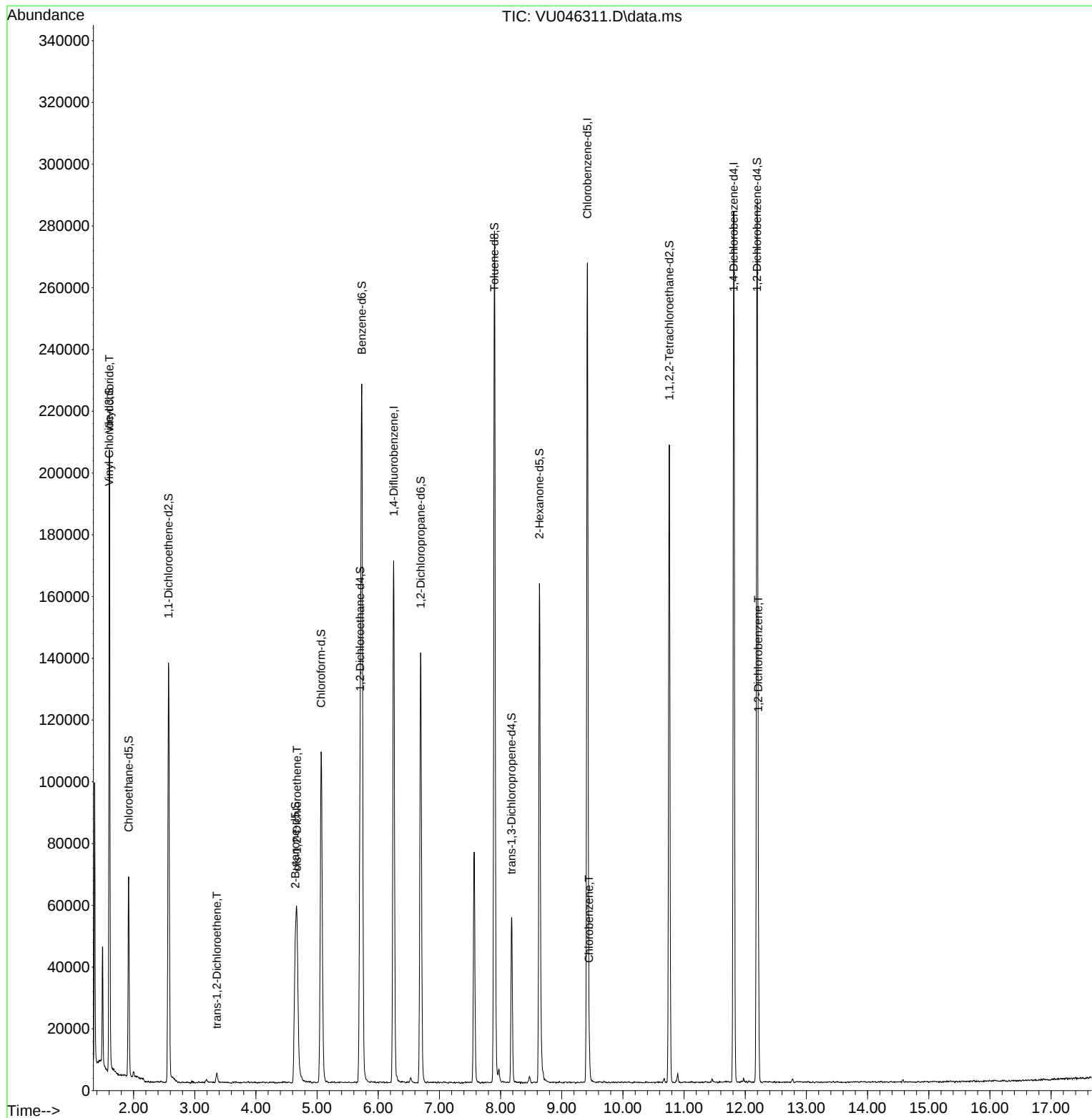
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	137619	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	147008	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	71887	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	64821	57.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.360%
7) Chloroethane-d5	1.919	69	47105	54.119	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.240%
11) 1,1-Dichloroethene-d2	2.571	63	82580	40.578	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.160%
21) 2-Butanone-d5	4.645	46	87375	96.956	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.960%
24) Chloroform-d	5.067	84	100415	53.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.080%
26) 1,2-Dichloroethane-d4	5.703	65	69598	54.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.560%
32) Benzene-d6	5.732	84	209835	49.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.694	67	65377	50.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.140%
41) Toluene-d8	7.899	98	183110	47.730	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.460%
43) trans-1,3-Dichloroprop...	8.179	79	30202	47.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.820%
47) 2-Hexanone-d5	8.636	63	59649	96.341	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.340%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	100730	50.865	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	70311	50.788	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.580%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	67652	50.100	ug/L	98
17) trans-1,2-Dichloroethene	3.362	96	1396	1.386	ug/L	77
20) cis-1,2-Dichloroethene	4.671	96	16070	14.707	ug/L	96
51) Chlorobenzene	9.446	112	5161	1.671	ug/L	89
67) 1,2-Dichlorobenzene	12.211	146	12152	5.431	ug/L	97

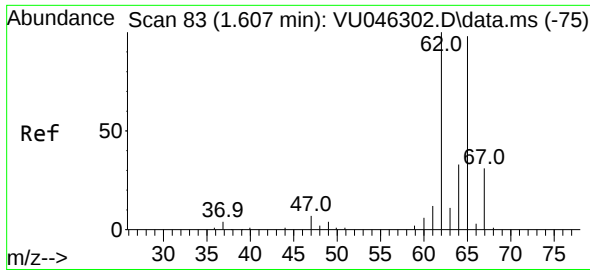
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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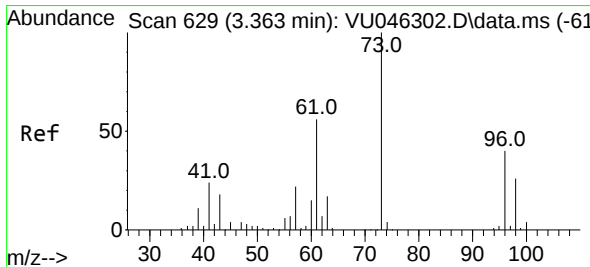
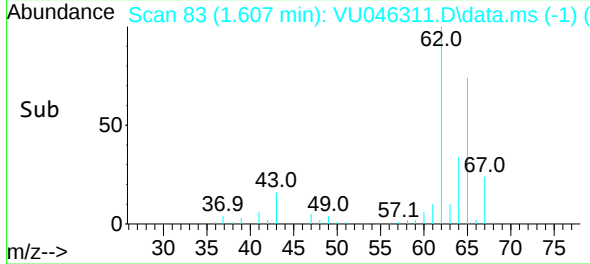
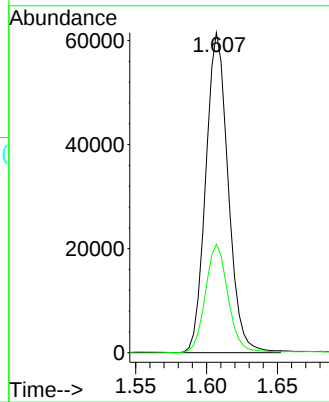
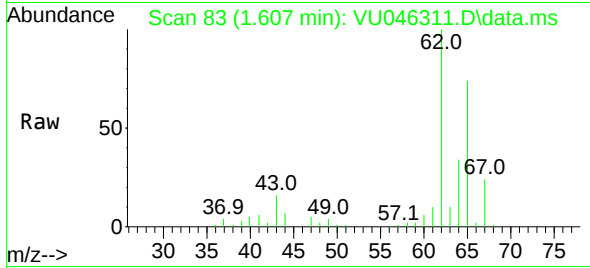




#5
 Vinyl chloride
 Concen: 50.100 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046311.D
 Acq: 13 Dec 2021 13:37

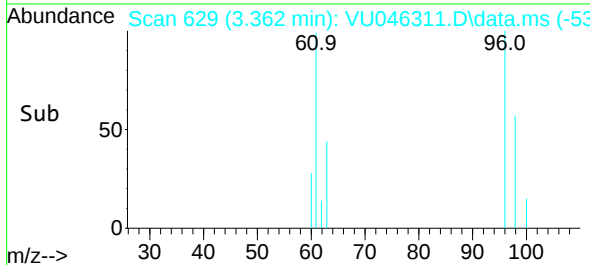
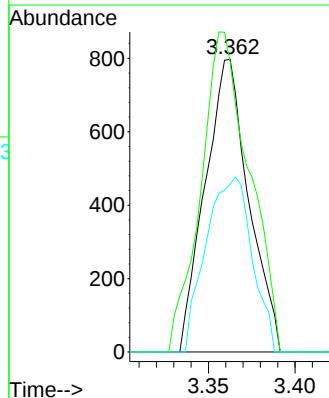
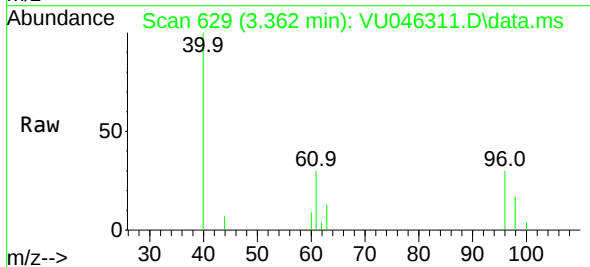
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3D0

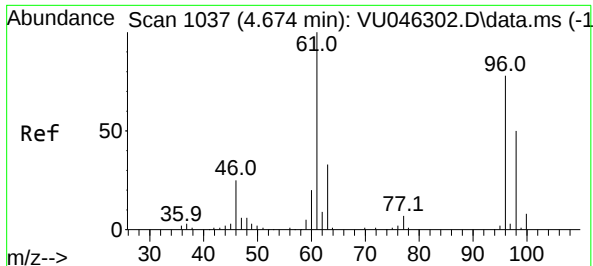
Tgt Ion: 62 Resp: 67652
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.9 42.5



#17
 trans-1,2-Dichloroethene
 Concen: 1.386 ug/L
 RT: 3.362 min Scan# 629
 Delta R.T. -0.000 min
 Lab File: VU046311.D
 Acq: 13 Dec 2021 13:37

Tgt Ion: 96 Resp: 1396
 Ion Ratio Lower Upper
 96 100
 61 99.0 94.6 175.6
 98 57.3 44.0 81.8

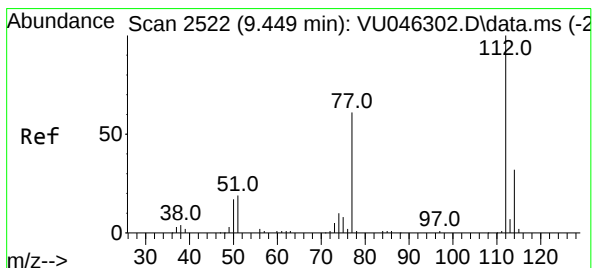
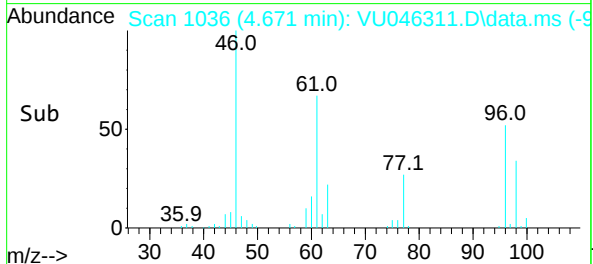
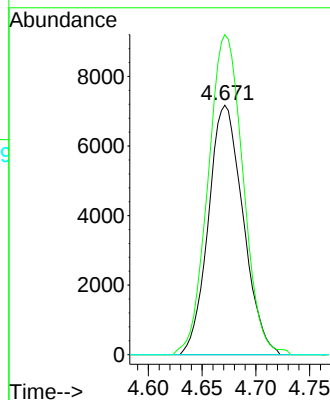
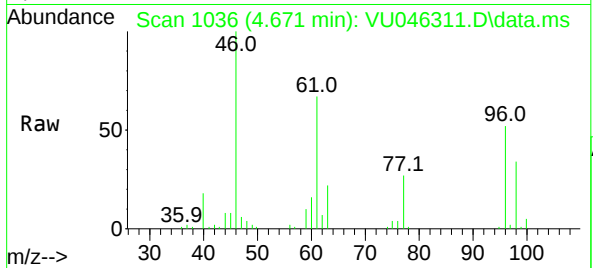




#20
cis-1,2-Dichloroethene
Concen: 14.707 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU046311.D
Acq: 13 Dec 2021 13:37

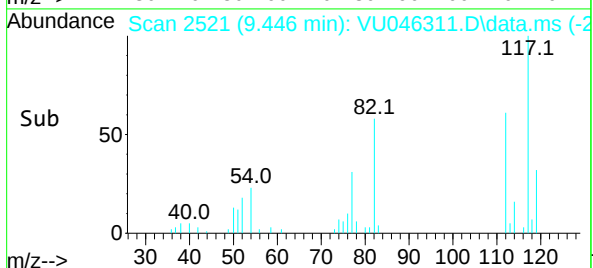
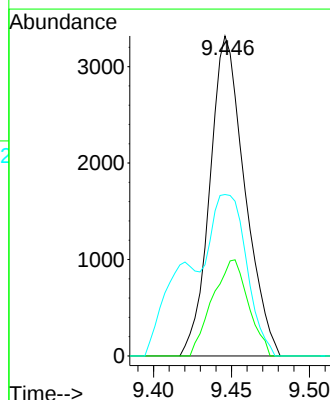
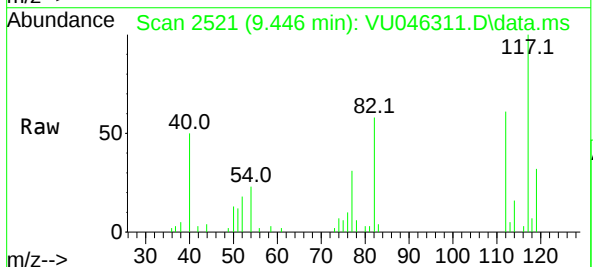
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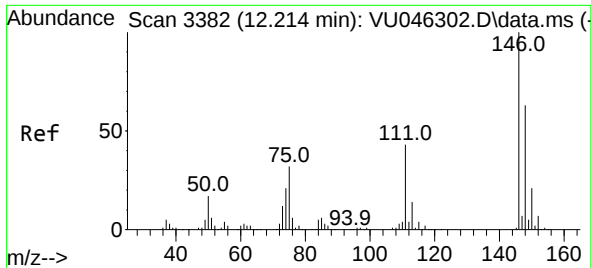
Tgt Ion: 96 Resp: 16070
Ion Ratio Lower Upper
96 100
61 128.3 86.8 161.2
68 0.0 0.0 0.0



#51
Chlorobenzene
Concen: 1.671 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU046311.D
Acq: 13 Dec 2021 13:37

Tgt Ion: 112 Resp: 5161
Ion Ratio Lower Upper
112 100
114 25.8 22.2 41.2
77 50.5 47.4 71.0





#67

1,2-Dichlorobenzene

Concen: 5.431 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046311.D

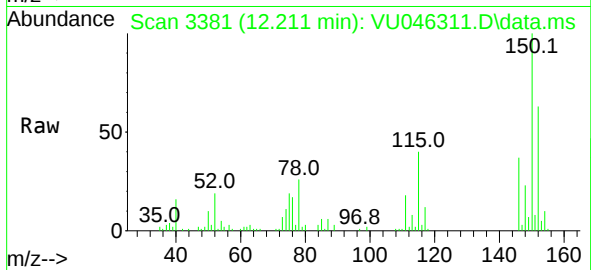
Acq: 13 Dec 2021 13:37

Instrument :

MSVOA_U

ClientSampleId :

BG3D0



Tgt Ion:146 Resp: 12152

Ion Ratio Lower Upper

146 100

111 47.3 35.7 53.5

148 62.0 51.2 76.8

