

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046312.D
 Acq On : 13 Dec 2021 14:00
 Operator : SY/MD
 Sample : M4971-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3D1

Quant Time: Dec 14 02:34:37 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)

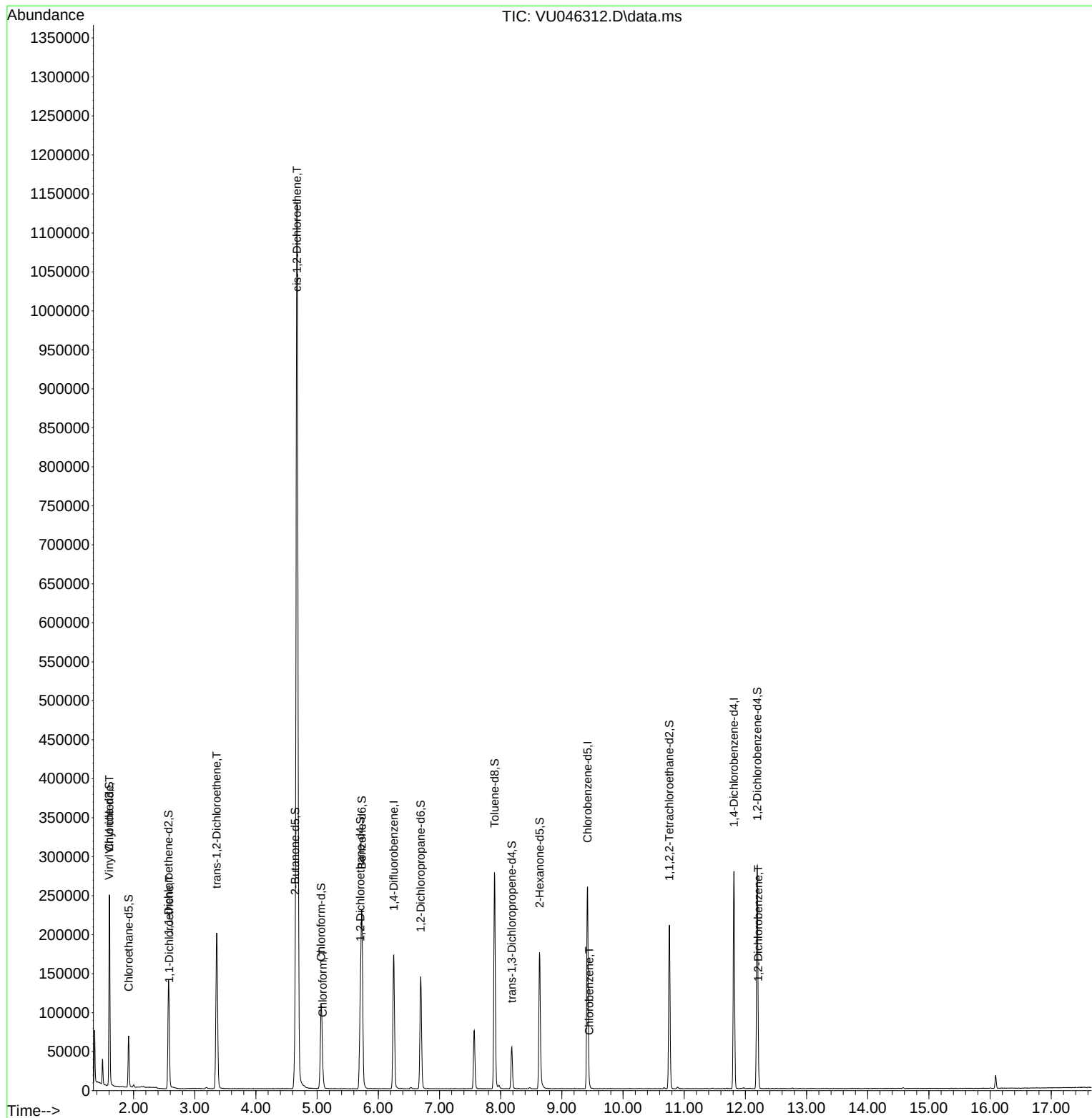
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	137348	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	142750	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	70774	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	65776	58.137	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 116.280%	
7) Chloroethane-d5	1.919	69	47006	54.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 108.220%	
11) 1,1-Dichloroethene-d2	2.572	63	84417	41.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 83.120%	
21) 2-Butanone-d5	4.642	46	96377	107.156	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 107.160%	
24) Chloroform-d	5.067	84	98373	52.066	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 104.140%	
26) 1,2-Dichloroethane-d4	5.707	65	69578	54.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 109.740%	
32) Benzene-d6	5.732	84	215973	52.786	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.580%	
36) 1,2-Dichloropropane-d6	6.694	67	66953	52.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 105.600%	
41) Toluene-d8	7.899	98	184492	49.525	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 99.040%	
43) trans-1,3-Dichloroprop...	8.182	79	30980	50.612	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.220%	
47) 2-Hexanone-d5	8.636	63	64897	107.943	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 107.940%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	103484	53.814	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 107.620%	
66) 1,2-Dichlorobenzene-d4	12.195	152	71360	52.356	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 104.720%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	101088	75.010	ug/L	100
12) 1,1-Dichloroethene	2.584	96	1565	1.648	ug/L	# 1
17) trans-1,2-Dichloroethene	3.359	96	85496	85.069	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	583211	534.810	ug/L	97
25) Chloroform	5.092	83	9124	4.494	ug/L	89
51) Chlorobenzene	9.449	112	1806	0.602	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	4252	1.930	ug/L	95

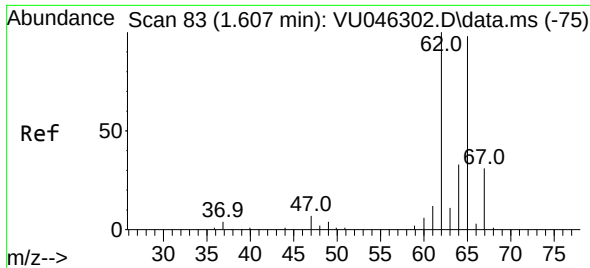
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
Data File : VU046312.D
Acq On : 13 Dec 2021 14:00
Operator : SY/MD
Sample : M4971-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BG3D1

Quant Time: Dec 14 02:34:37 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

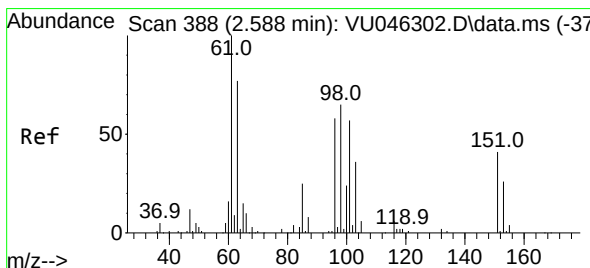
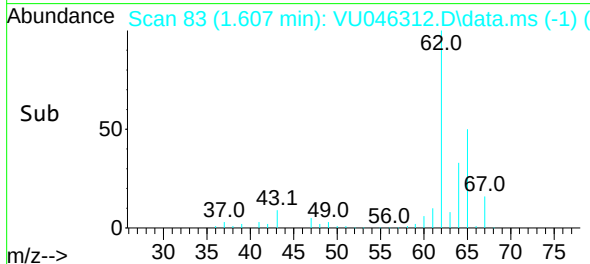
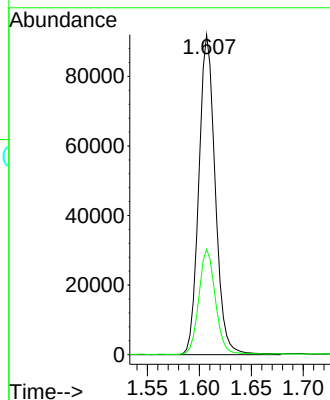
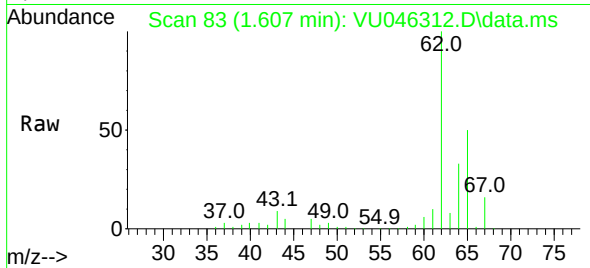




#5
 Vinyl chloride
 Concen: 75.010 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046312.D
 Acq: 13 Dec 2021 14:00

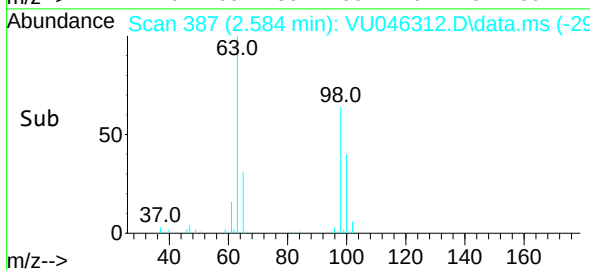
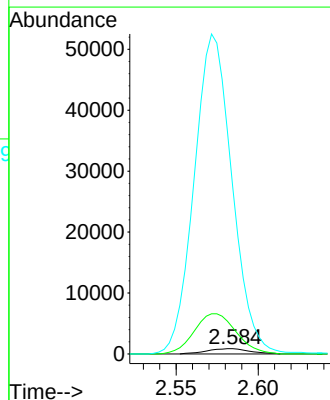
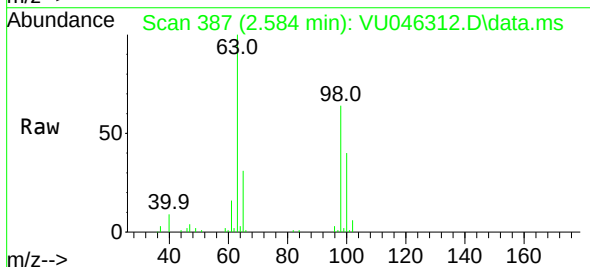
Instrument :
 MSVOA_U
 ClientSampleId :
 BG3D1

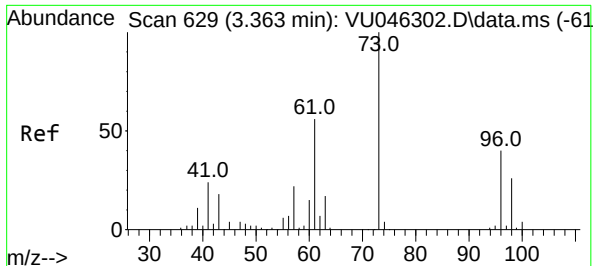
Tgt Ion: 62 Resp: 101088
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 1.648 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU046312.D
 Acq: 13 Dec 2021 14:00

Tgt Ion: 96 Resp: 1565
 Ion Ratio Lower Upper
 96 100
 61 493.3 118.6 220.2#
 63 3133.4 93.0 172.8#





#17

trans-1,2-Dichloroethene

Concen: 85.069 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

Instrument :

MSVOA_U

ClientSampleId :

BG3D1

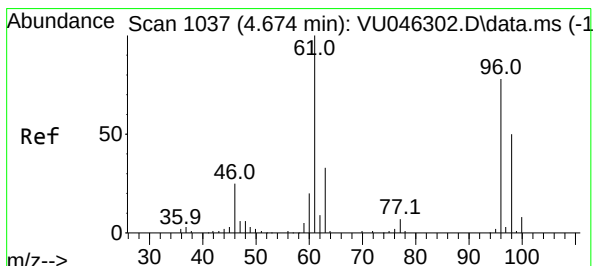
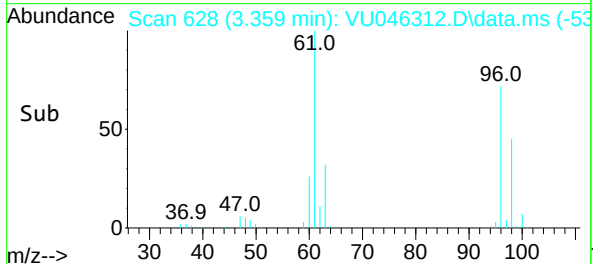
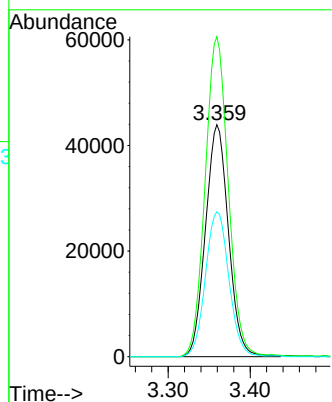
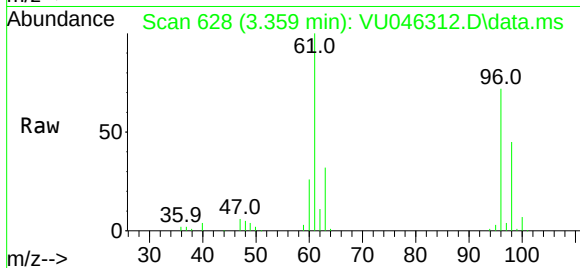
Tgt Ion: 96 Resp: 85496

Ion Ratio Lower Upper

96 100

61 138.0 94.6 175.6

98 62.5 44.0 81.8



#20

cis-1,2-Dichloroethene

Concen: 534.810 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

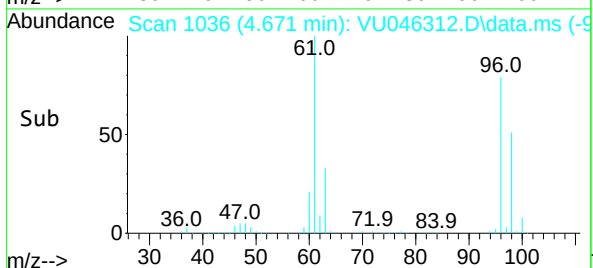
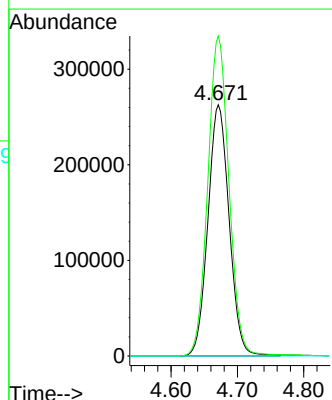
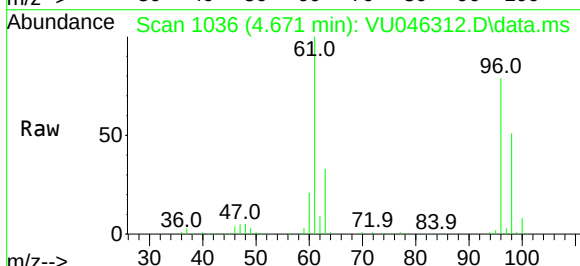
Tgt Ion: 96 Resp: 583211

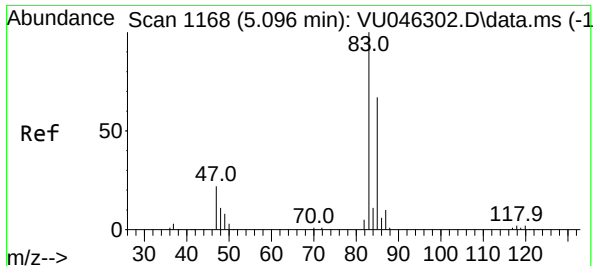
Ion Ratio Lower Upper

96 100

61 127.4 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 4.494 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

Instrument :

MSVOA_U

ClientSampleId :

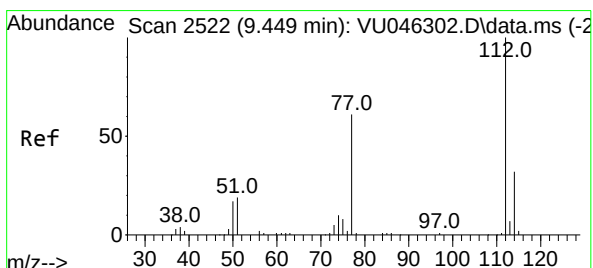
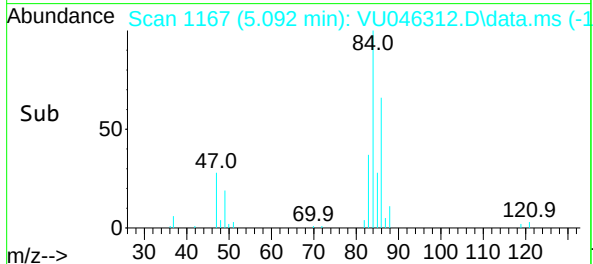
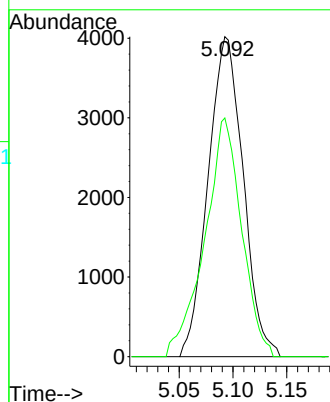
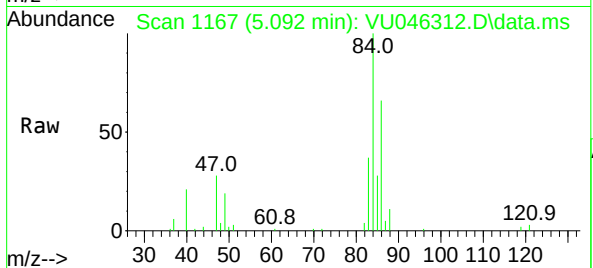
BG3D1

Tgt Ion: 83 Resp: 9124

Ion Ratio Lower Upper

83 100

85 74.6 45.8 85.2



#51

Chlorobenzene

Concen: 0.602 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

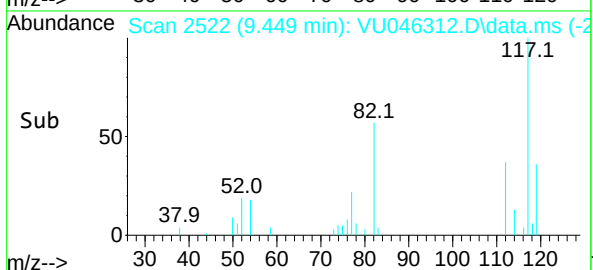
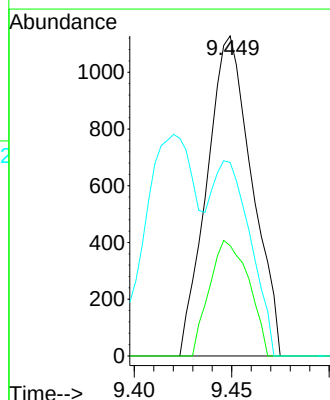
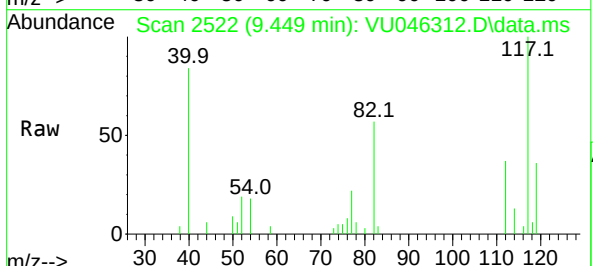
Tgt Ion: 112 Resp: 1806

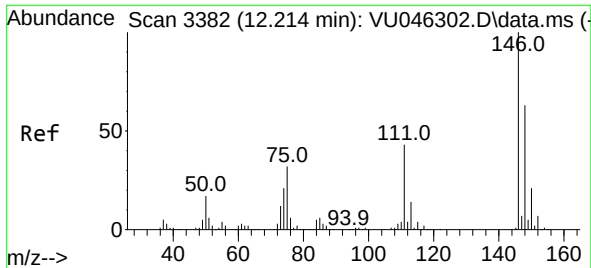
Ion Ratio Lower Upper

112 100

114 34.5 22.2 41.2

77 60.5 47.4 71.0





#67

1,2-Dichlorobenzene

Concen: 1.930 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046312.D

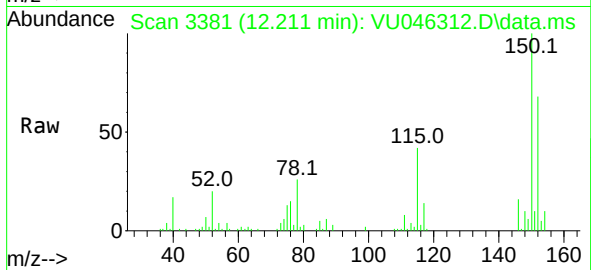
Acq: 13 Dec 2021 14:00

Instrument :

MSVOA_U

ClientSampleId :

BG3D1



Tgt Ion:146 Resp: 4252

Ion Ratio Lower Upper

146 100

111 49.8 35.7 53.5

148 66.1 51.2 76.8

