

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046138.D
 Acq On : 07 Dec 2021 14:18
 Operator : SY/MD
 Sample : M4960-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:53:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

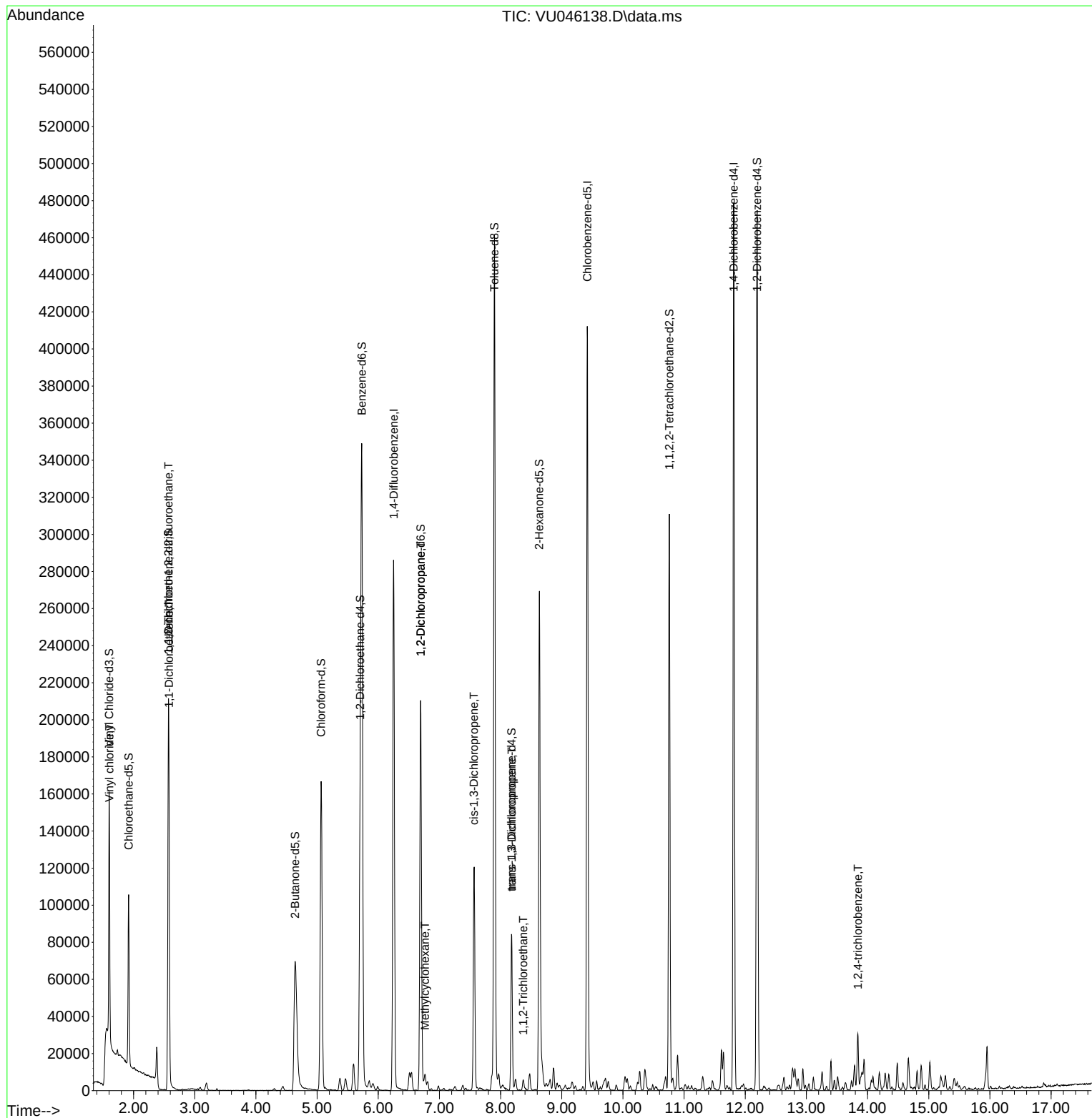
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	241017	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	236535	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	126647	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	91807	46.242	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.480%		
7) Chloroethane-d5	1.919	69	66393	43.555	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.100%		
11) 1,1-Dichloroethene-d2	2.571	63	123670	34.699	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.400%		
21) 2-Butanone-d5	4.639	46	130075	82.416	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.420%		
24) Chloroform-d	5.067	84	157319	47.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
26) 1,2-Dichloroethane-d4	5.703	65	101846	45.772	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.540%		
32) Benzene-d6	5.732	84	335628	49.506	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.020%		
36) 1,2-Dichloropropane-d6	6.694	67	101236	48.183	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.360%		
41) Toluene-d8	7.899	98	309429	50.129	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.260%		
43) trans-1,3-Dichloroprop...	8.179	79	48384	47.704	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.400%		
47) 2-Hexanone-d5	8.632	63	101772	102.160	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.160%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	150448	47.216	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.440%		
66) 1,2-Dichlorobenzene-d4	12.195	152	124942	51.227	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.460%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	2887	1.221	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	1136	0.648	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1000	0.600	ug/L #	1
35) Methylcyclohexane	6.764	83	3668	1.254	ug/L #	89
37) 1,2-Dichloropropane	6.694	63	10456	5.575	ug/L	99
39) cis-1,3-Dichloropropene	7.565	75	2929	1.027	ug/L #	64
44) trans-1,3-Dichloropropene	8.182	75	2177	0.777	ug/L	92
45) 1,1,2-Trichloroethane	8.369	97	2668	1.418	ug/L #	19
70) 1,2,4-trichlorobenzene	13.841	180	4436	1.753	ug/L #	83

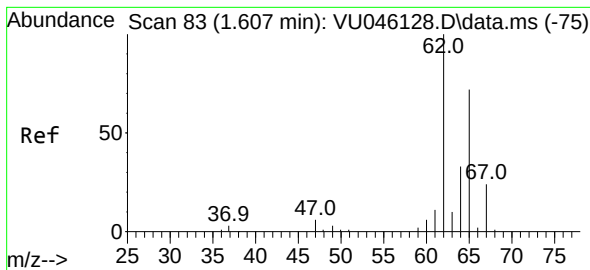
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_U/WATER
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Quant Time: Dec 08 04:53:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.221 ug/L

RT: 1.607 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU046138.D

Acq: 07 Dec 2021 14:18

Instrument :

MSVOA_U

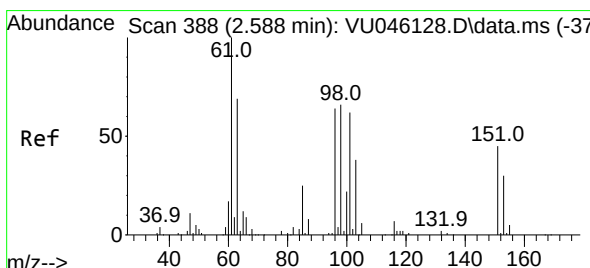
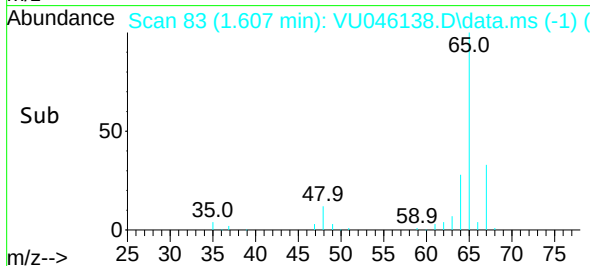
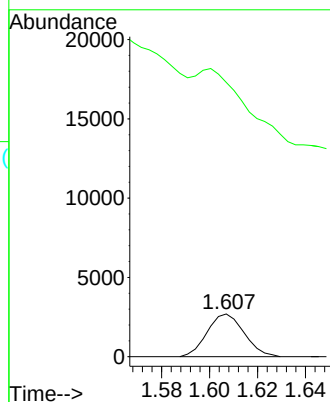
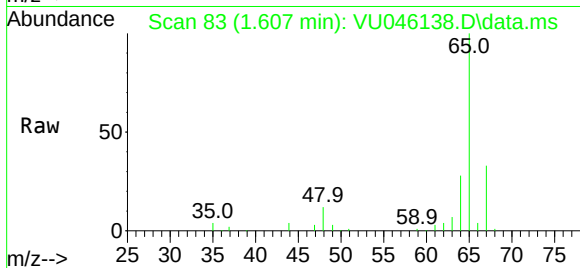
ClientSampleId :

Tgt Ion: 62 Resp: 2887

Ion Ratio Lower Upper

62 100

64 641.3 22.9 42.5#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.648 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046138.D

Acq: 07 Dec 2021 14:18

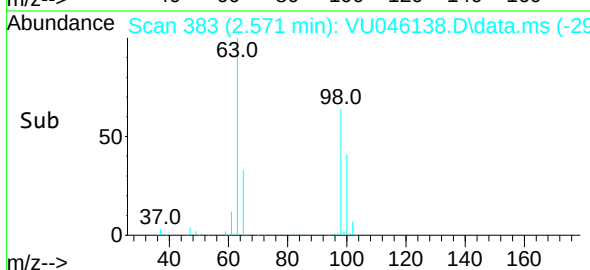
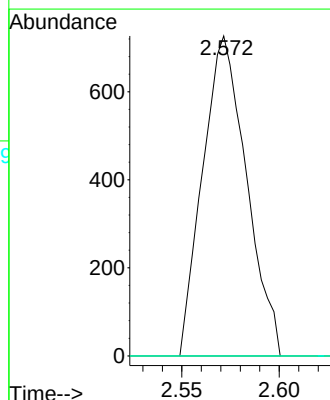
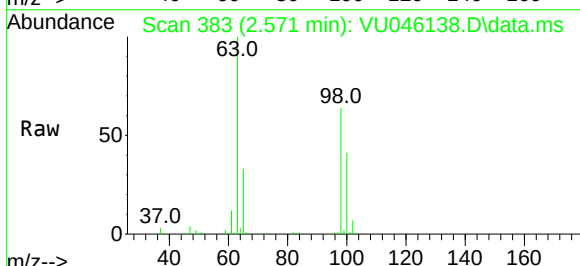
Tgt Ion: 101 Resp: 1136

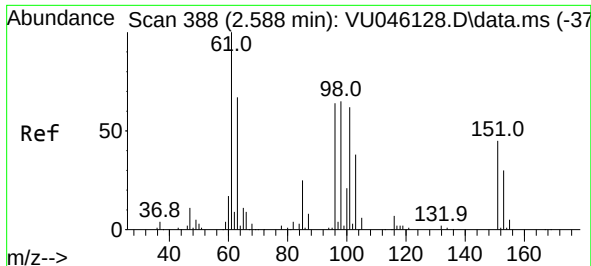
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 0.600 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.006 min

Lab File: VU046138.D

Acq: 07 Dec 2021 14:18

Instrument :

MSVOA_U

ClientSampleId :

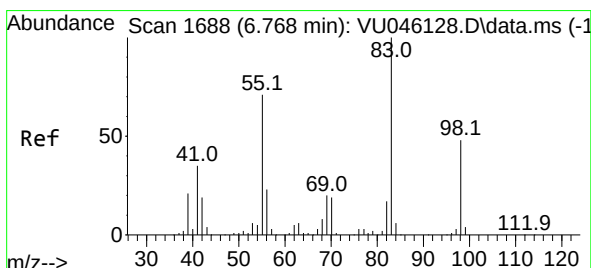
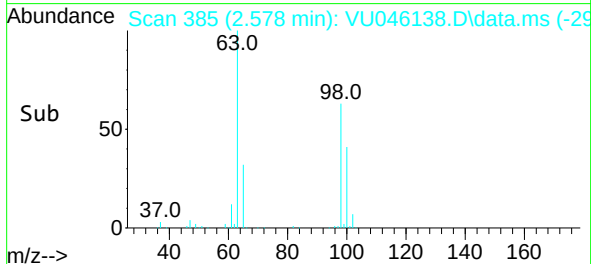
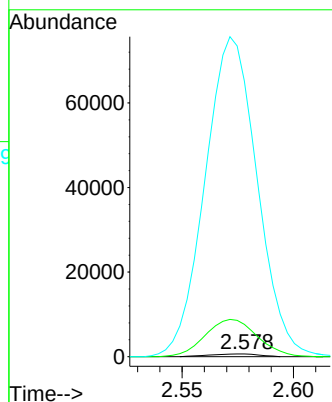
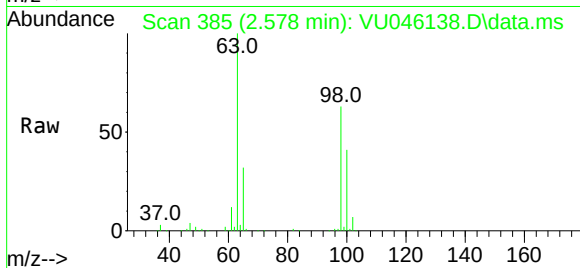
Tgt Ion: 96 Resp: 1000

Ion Ratio Lower Upper

96 100

61 1203.3 118.6 220.2#

63 10235.5 93.0 172.8#



#35

Methylcyclohexane

Concen: 1.254 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.003 min

Lab File: VU046138.D

Acq: 07 Dec 2021 14:18

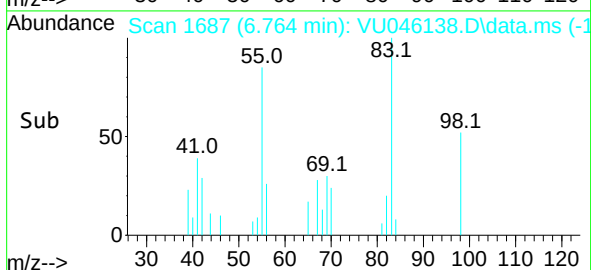
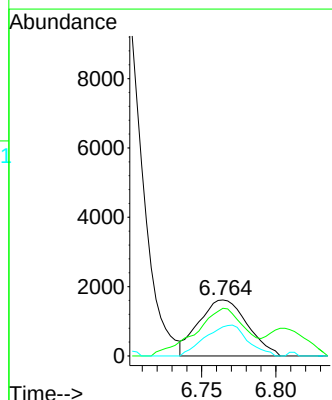
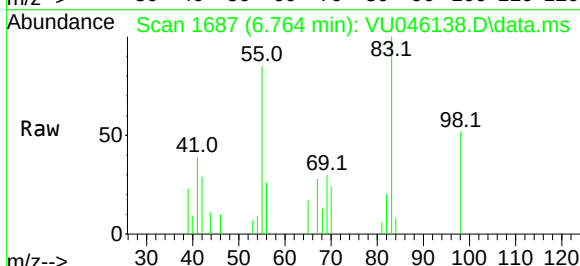
Tgt Ion: 83 Resp: 3668

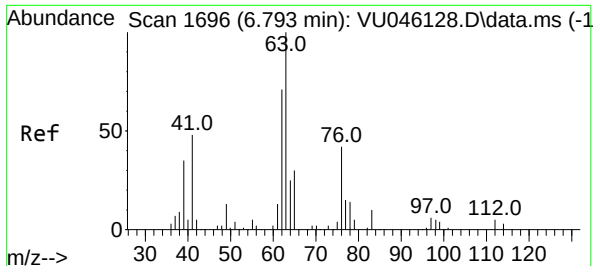
Ion Ratio Lower Upper

83 100

55 87.7 57.8 86.6#

98 47.9 38.4 57.6





#37

1,2-Dichloropropane

Concen: 5.575 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046138.D

Acq: 07 Dec 2021 14:18

Instrument :

MSVOA_U

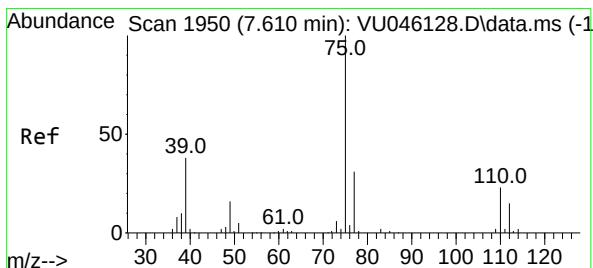
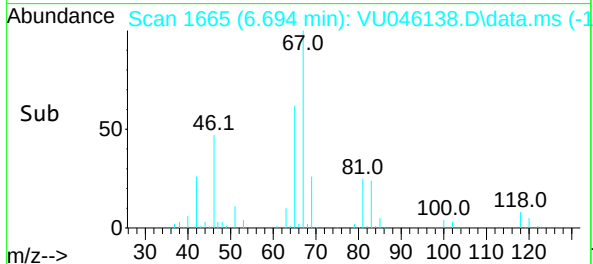
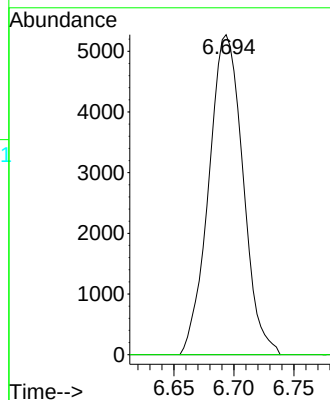
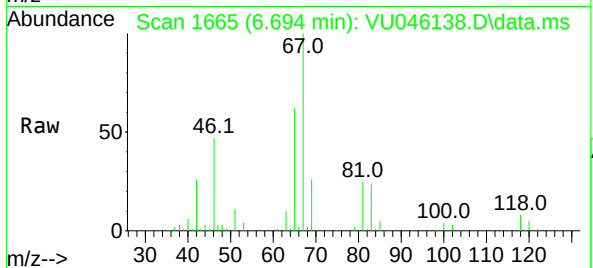
ClientSampleId :

Tgt Ion: 63 Resp: 10456

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



#39

cis-1,3-Dichloropropene

Concen: 1.027 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046138.D

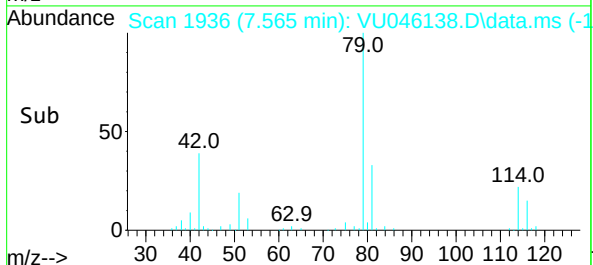
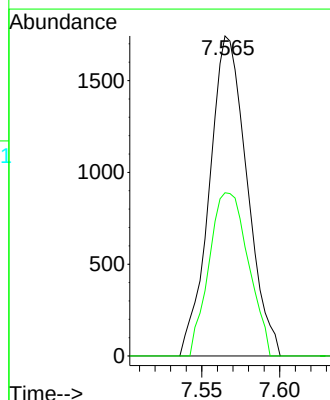
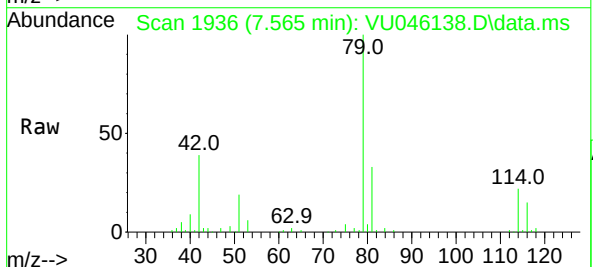
Acq: 07 Dec 2021 14:18

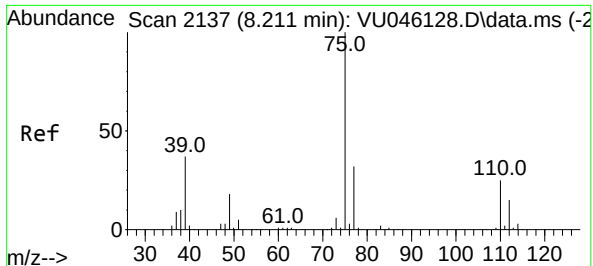
Tgt Ion: 75 Resp: 2929

Ion Ratio Lower Upper

75 100

77 51.0 21.8 40.6#

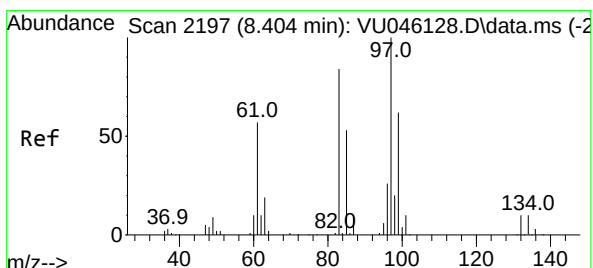
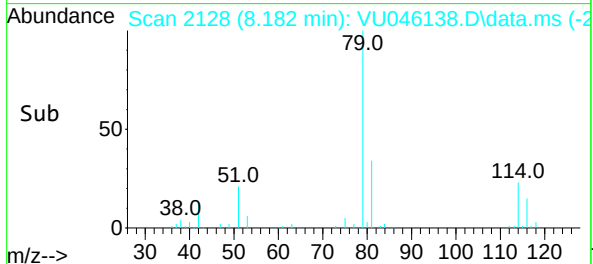
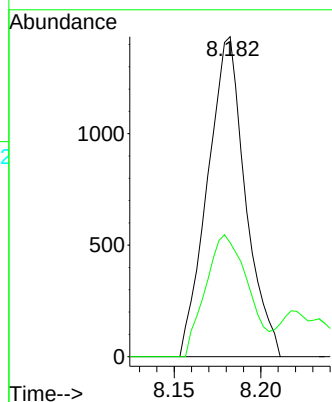
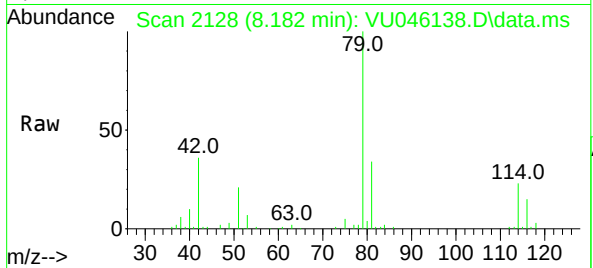




#44
trans-1,3-Dichloropropene
Concen: 0.777 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU046138.D
Acq: 07 Dec 2021 14:18

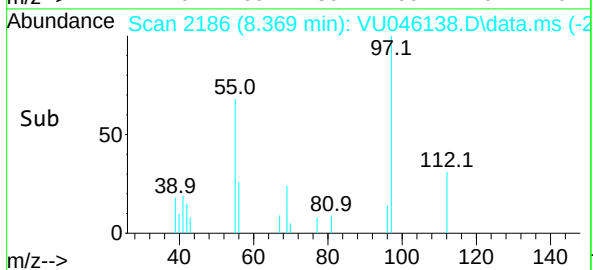
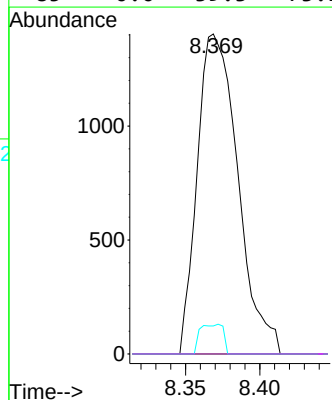
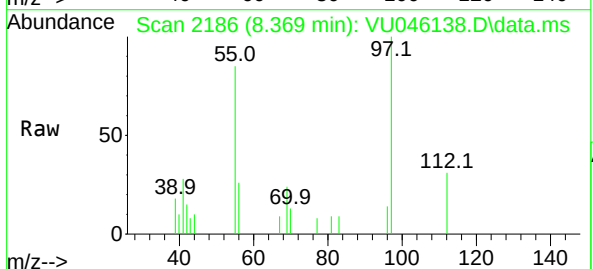
Instrument :
MSVOA_U
ClientSampleId :

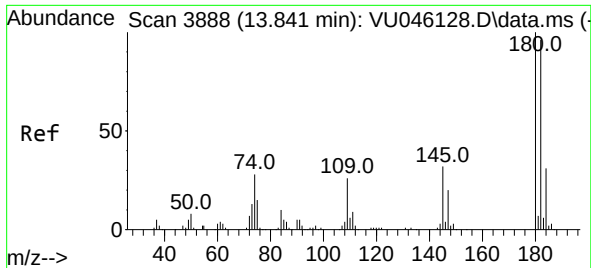
Tgt Ion: 75 Resp: 2177
Ion Ratio Lower Upper
75 100
77 35.6 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 1.418 ug/L
RT: 8.369 min Scan# 2186
Delta R.T. -0.035 min
Lab File: VU046138.D
Acq: 07 Dec 2021 14:18

Tgt Ion: 97 Resp: 2668
Ion Ratio Lower Upper
97 100
99 0.0 44.7 82.9#
83 8.8 60.2 111.8#
85 0.0 39.3 73.1#





#70

1,2,4-trichlorobenzene

Concen: 1.753 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

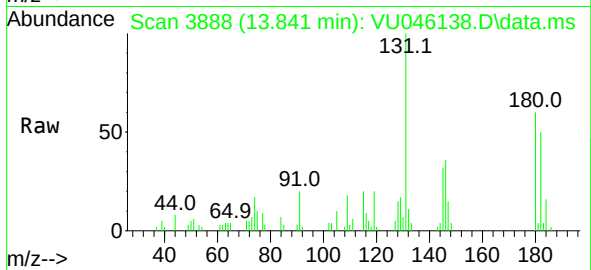
Lab File: VU046138.D

Acq: 07 Dec 2021 14:18

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4436

Ion Ratio Lower Upper

180 100

182 88.7 76.7 115.1

145 57.3 26.0 39.0#

