

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046471.D
 Acq On : 17 Dec 2021 14:55
 Operator : SY/MD
 Sample : M5037-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 23:29:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

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

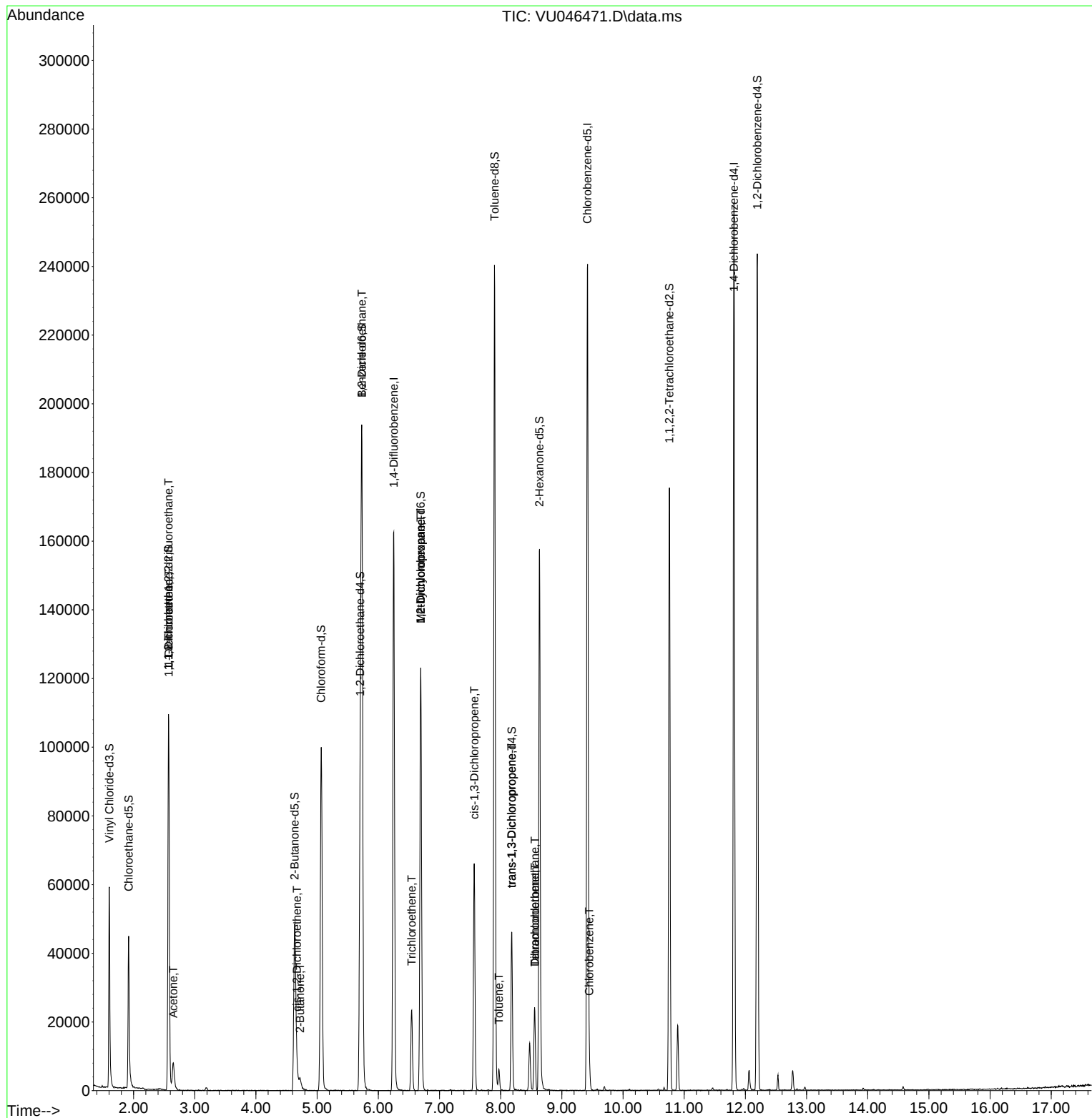
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	131985	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	134237	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	66897	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	47131	43.350	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.700%		
7) Chloroethane-d5	1.919	69	37623	45.070	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.140%		
11) 1,1-Dichloroethene-d2	2.572	63	66052	33.842	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.680%		
21) 2-Butanone-d5	4.633	46	75864	87.776	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.780%		
24) Chloroform-d	5.067	84	93379	51.431	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.860%		
26) 1,2-Dichloroethane-d4	5.703	65	63935	52.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.940%		
32) Benzene-d6	5.732	84	181127	47.077	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.160%		
36) 1,2-Dichloropropane-d6	6.694	67	57106	47.892	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.780%		
41) Toluene-d8	7.899	98	158542	45.258	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.520%		
43) trans-1,3-Dichloroprop...	8.182	79	27257	47.353	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.700%		
47) 2-Hexanone-d5	8.632	63	57228	101.224	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.220%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	85401	47.227	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.460%		
66) 1,2-Dichlorobenzene-d4	12.195	152	61870	48.024	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.040%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	553	0.576	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	401	0.439	ug/L #	1
13) Acetone	2.649	43	12205	11.299	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	1026	0.979	ug/L	95
22) 2-Butanone	4.719	43	5277	4.488	ug/L	74
27) 1,2-Dichloroethane	5.732	62	984	0.680	ug/L #	73
34) Trichloroethene	6.546	95	8496	7.938	ug/L	96
35) Methylcyclohexane	6.694	83	14292	8.612	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6528	6.134	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1738	1.073	ug/L #	68
42) Toluene	7.970	91	4831	1.108	ug/L	93
44) trans-1,3-Dichloropropene	8.179	75	1191	0.749	ug/L	83
46) Tetrachloroethene	8.559	164	5322	6.766	ug/L	99
49) Dibromochloromethane	8.559	129	5187	4.626	ug/L #	10
51) Chlorobenzene	9.449	112	4214	1.494	ug/L	98

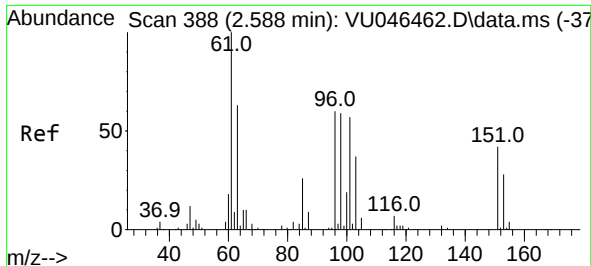
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.576 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046471.D

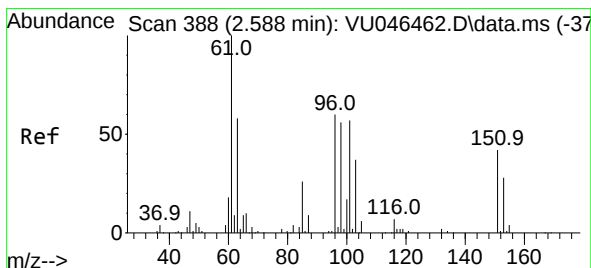
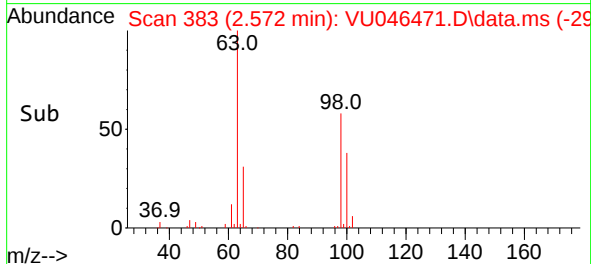
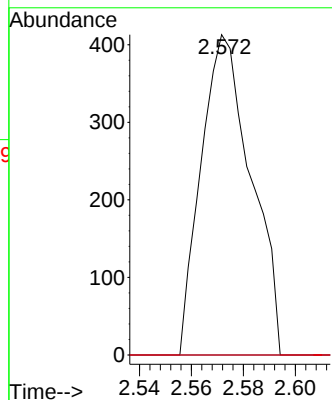
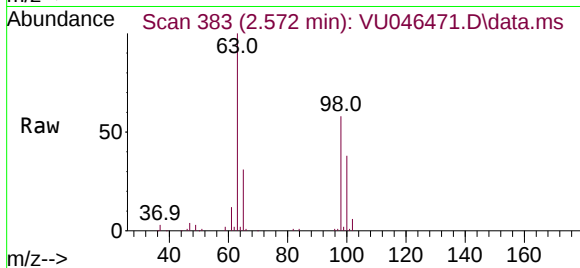
Acq: 17 Dec 2021 14:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	553
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: 0.439 ug/L

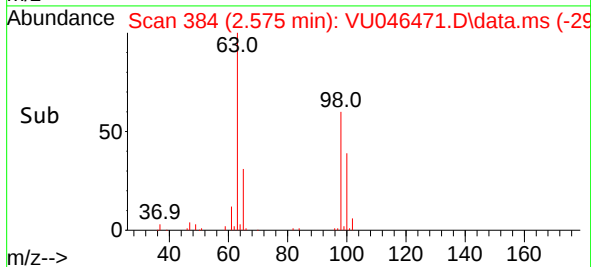
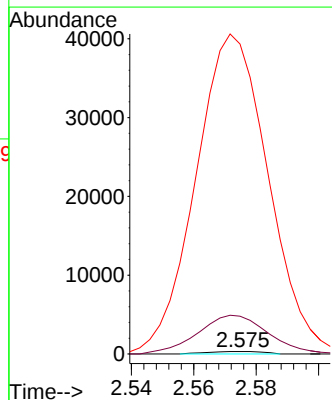
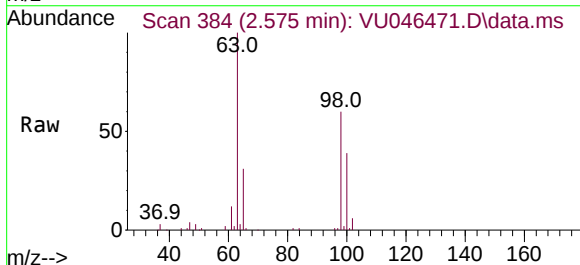
RT: 2.575 min Scan# 384

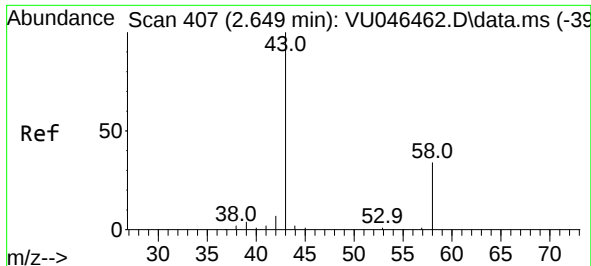
Delta R.T. -0.009 min

Lab File: VU046471.D

Acq: 17 Dec 2021 14:55

Tgt Ion:	96	Resp:	401
Ion	Ratio	Lower	Upper
96	100		
61	1551.5	118.6	220.2#
63	12730.1	93.0	172.8#





#13

Acetone

Concen: 11.299 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.003 min

Lab File: VU046471.D

Acq: 17 Dec 2021 14:55

Instrument :

MSVOA_U

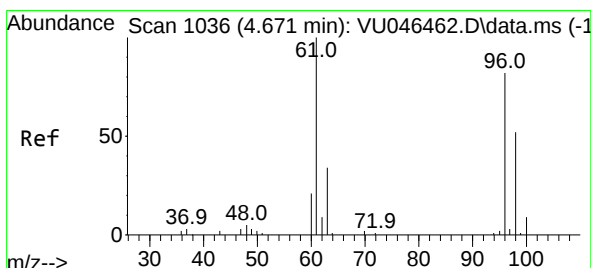
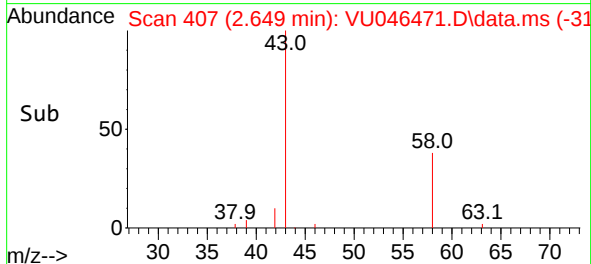
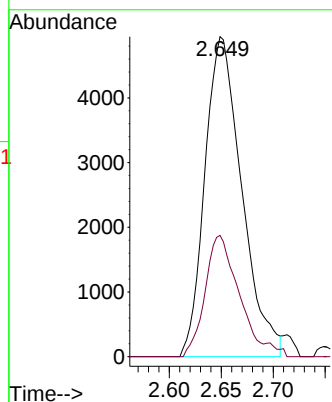
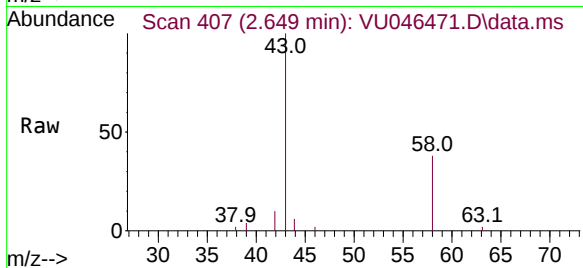
ClientSampleId :

Tgt Ion: 43 Resp: 12205

Ion Ratio Lower Upper

43 100

58 33.9 0.0 66.8



#20

cis-1,2-Dichloroethene

Concen: 0.979 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046471.D

Acq: 17 Dec 2021 14:55

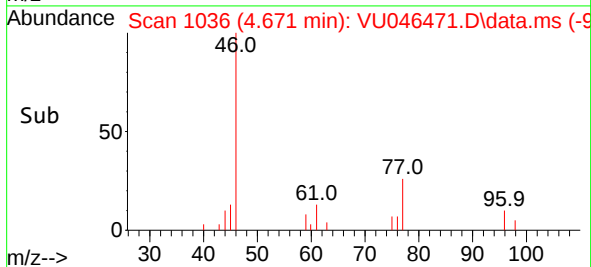
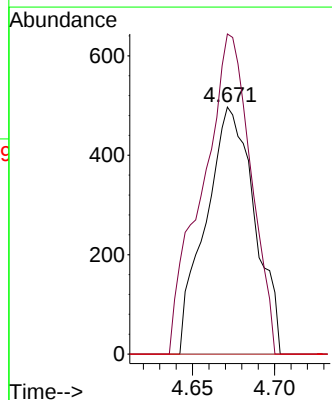
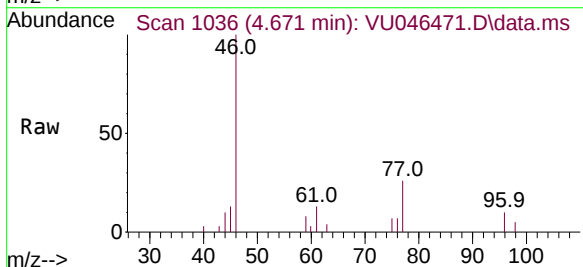
Tgt Ion: 96 Resp: 1026

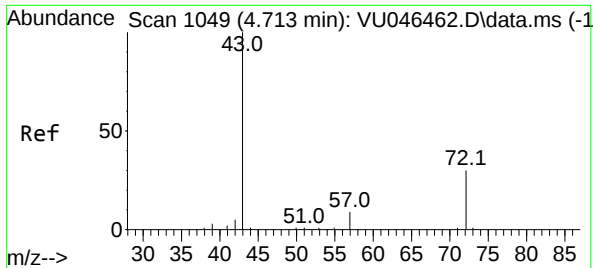
Ion Ratio Lower Upper

96 100

61 129.6 86.8 161.2

68 0.0 0.0 0.0

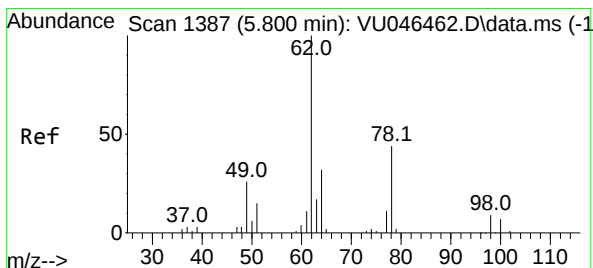
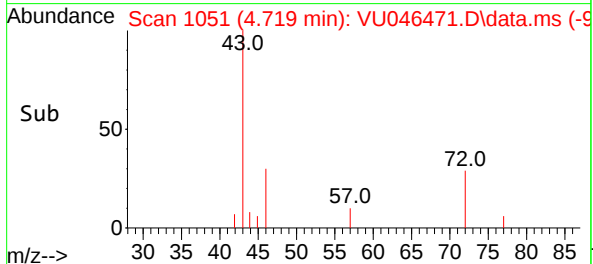
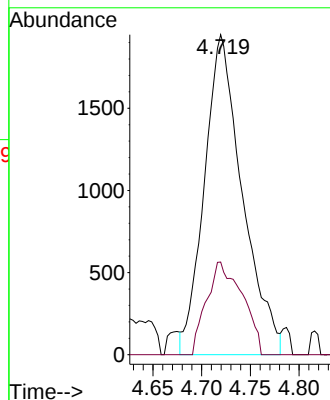
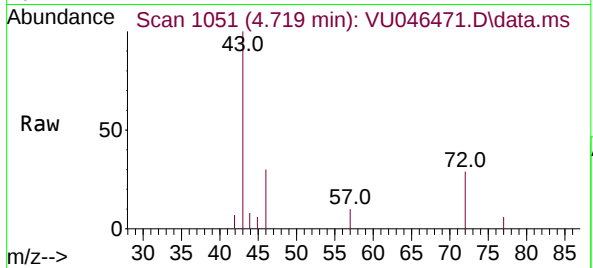




#22
2-Butanone
Concen: 4.488 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.007 min
Lab File: VU046471.D
Acq: 17 Dec 2021 14:55

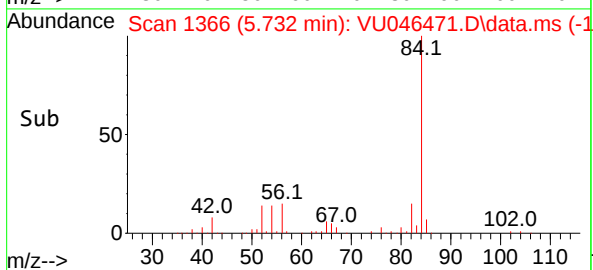
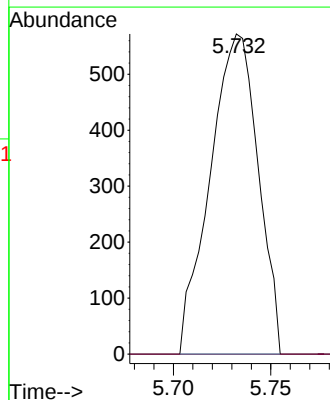
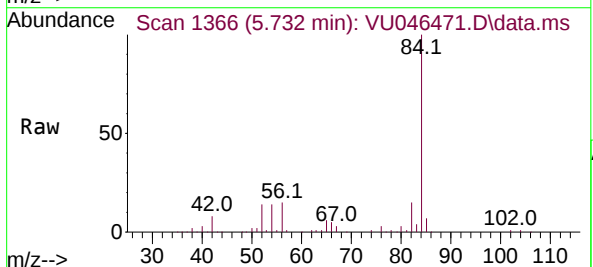
Instrument :
MSVOA_U
ClientSampleId :

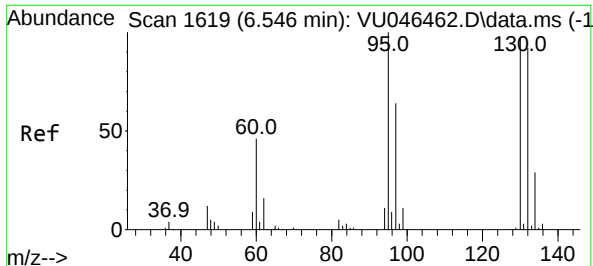
Tgt Ion: 43 Resp: 5277
Ion Ratio Lower Upper
43 100
72 15.3 14.5 43.6



#27
1,2-Dichloroethane
Concen: 0.680 ug/L
RT: 5.732 min Scan# 1366
Delta R.T. -0.064 min
Lab File: VU046471.D
Acq: 17 Dec 2021 14:55

Tgt Ion: 62 Resp: 984
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



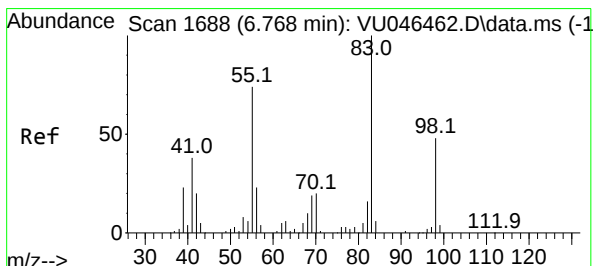
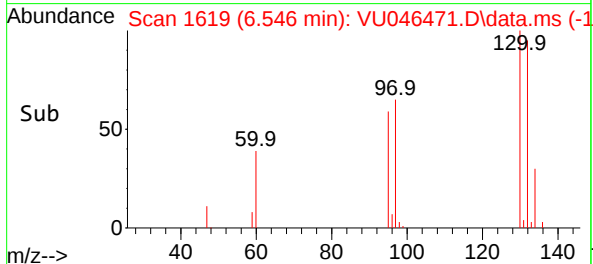
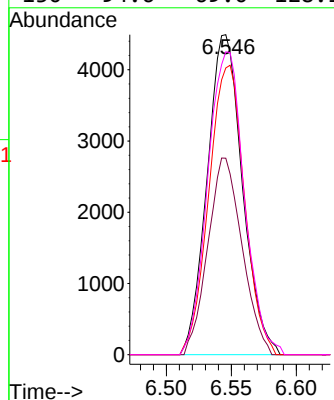
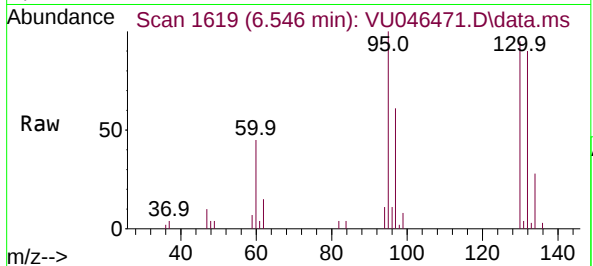


#34
Trichloroethene
Concen: 7.938 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046471.D
Acq: 17 Dec 2021 14:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 8496

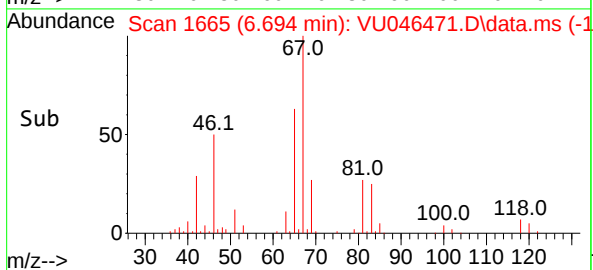
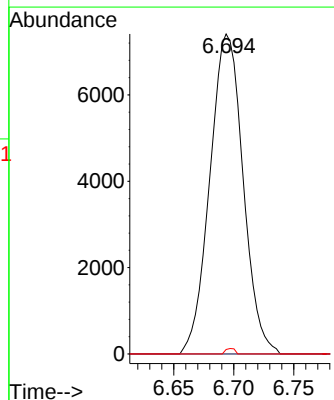
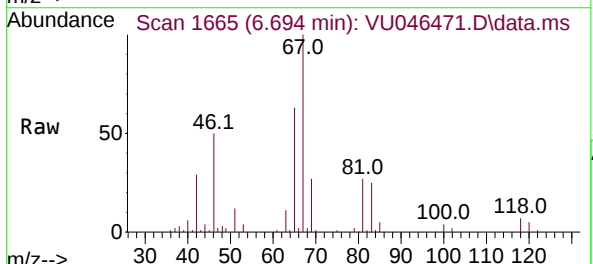
Ion	Ratio	Lower	Upper
95	100		
97	61.4	44.1	81.9
132	89.6	66.8	124.0
130	94.6	69.0	128.1

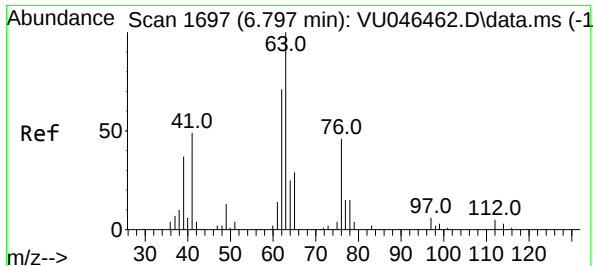


#35
Methylcyclohexane
Concen: 8.612 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046471.D
Acq: 17 Dec 2021 14:55

Tgt Ion: 83 Resp: 14292

Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.6#
98	0.5	38.4	57.6#





#37

1,2-Dichloropropane

Concen: 6.134 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046471.D

Acq: 17 Dec 2021 14:55

Instrument :

MSVOA_U

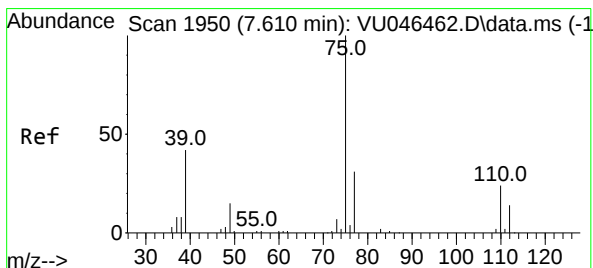
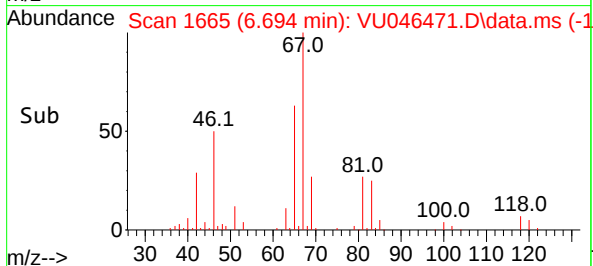
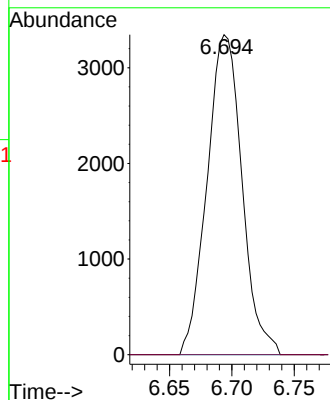
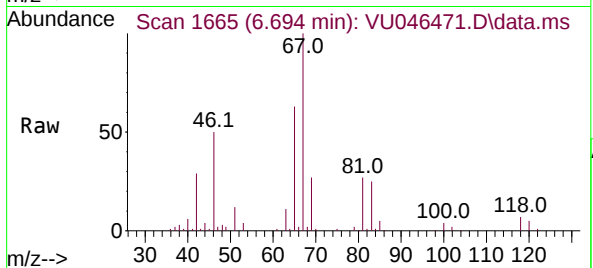
ClientSampleId :

Tgt Ion: 63 Resp: 6528

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.073 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046471.D

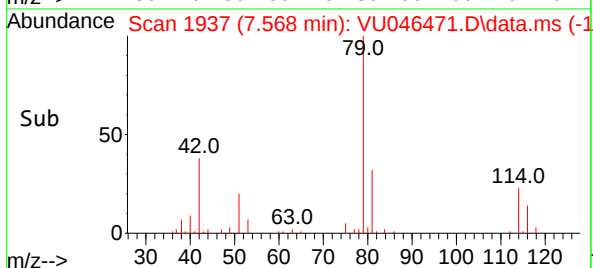
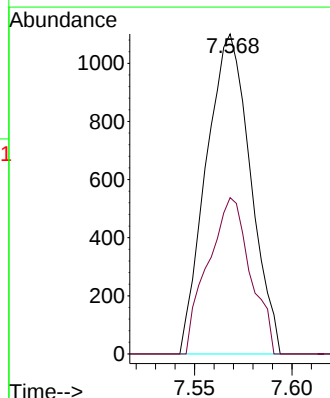
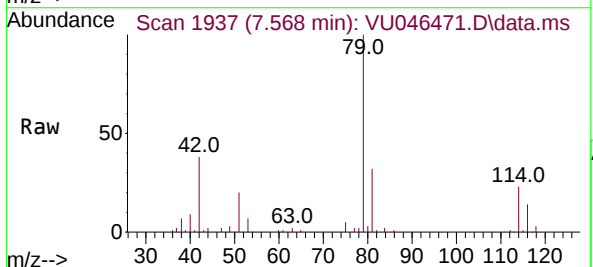
Acq: 17 Dec 2021 14:55

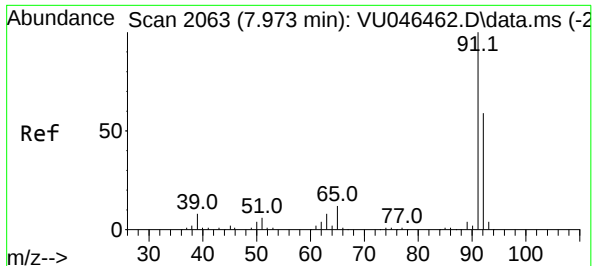
Tgt Ion: 75 Resp: 1738

Ion Ratio Lower Upper

75 100

77 48.9 21.8 40.6#





#42

Toluene

Concen: 1.108 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046471.D

Acq: 17 Dec 2021 14:55

Instrument :

MSVOA_U

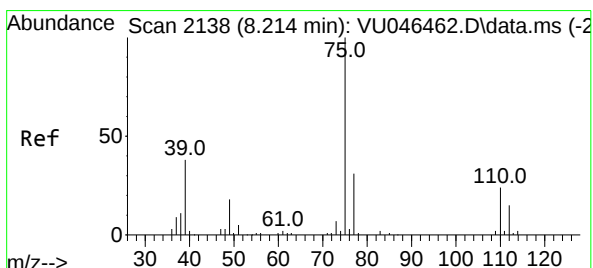
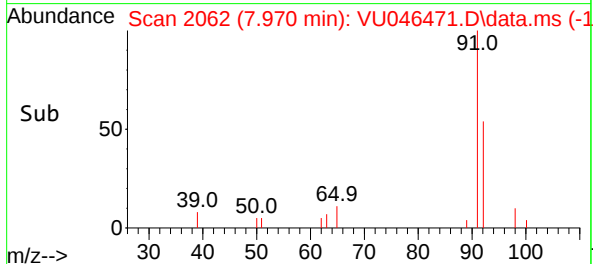
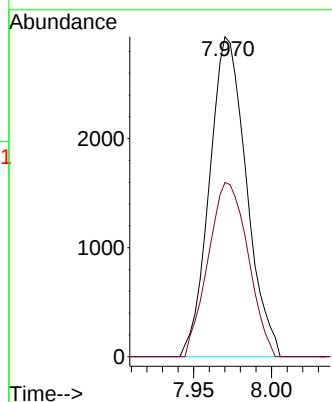
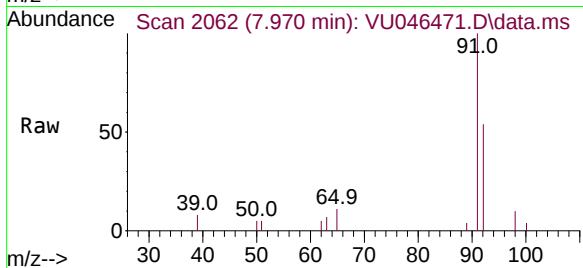
ClientSampleId :

Tgt Ion: 91 Resp: 4831

Ion Ratio Lower Upper

91 100

92 54.4 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.749 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU046471.D

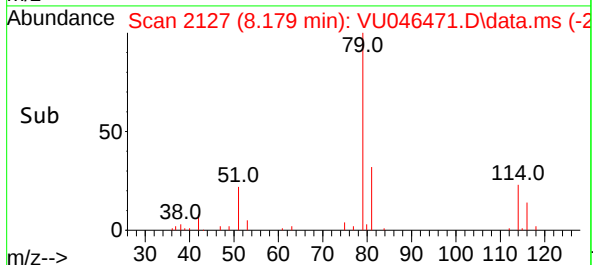
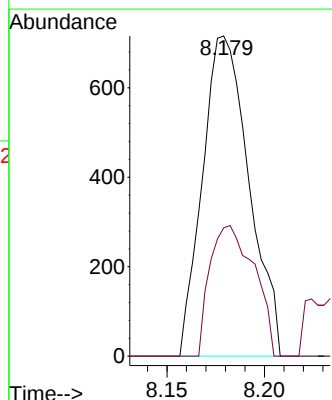
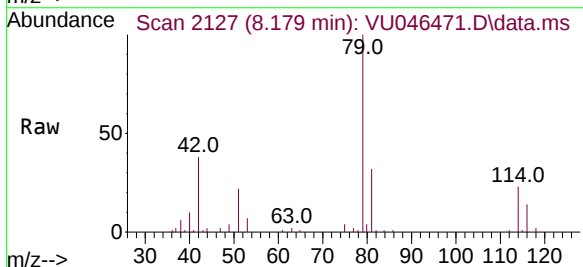
Acq: 17 Dec 2021 14:55

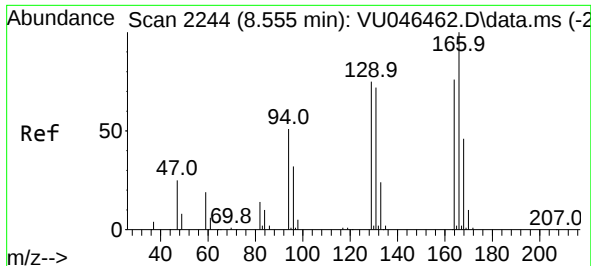
Tgt Ion: 75 Resp: 1191

Ion Ratio Lower Upper

75 100

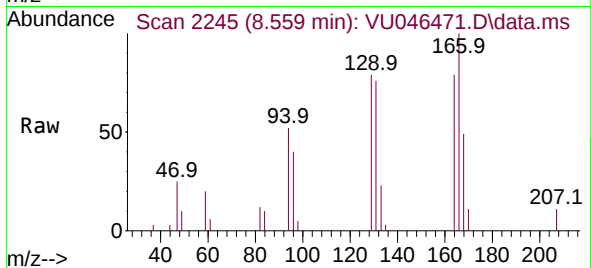
77 40.1 21.7 40.3



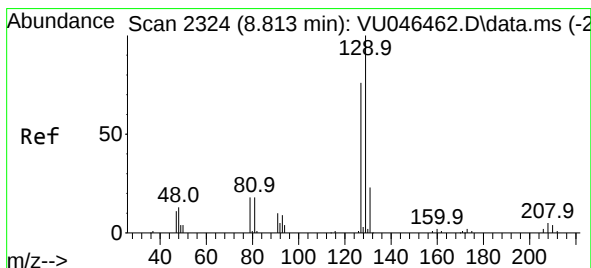
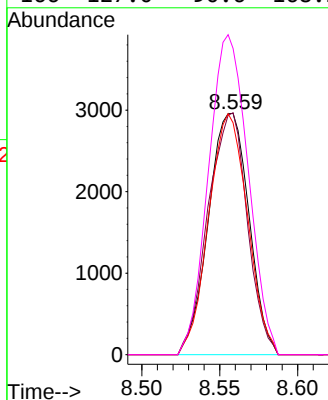
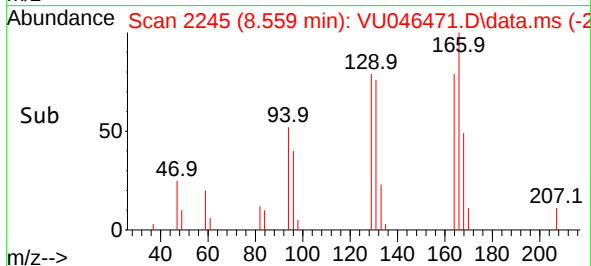


#46
Tetrachloroethene
Concen: 6.766 ug/L
RT: 8.559 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046471.D
Acq: 17 Dec 2021 14:55

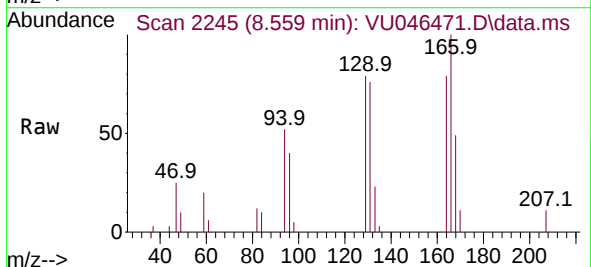
Instrument :
MSVOA_U
ClientSampleId :



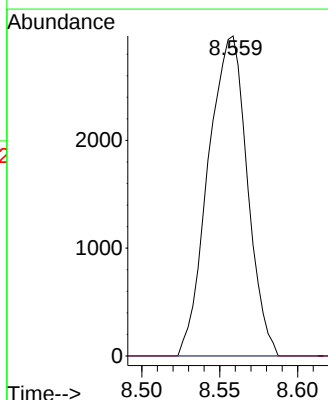
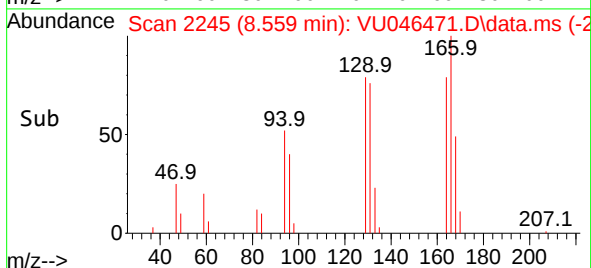
Tgt Ion:164 Resp: 5322
Ion Ratio Lower Upper
164 100
129 100.3 71.1 132.1
131 96.1 67.8 126.0
166 127.0 90.6 168.2

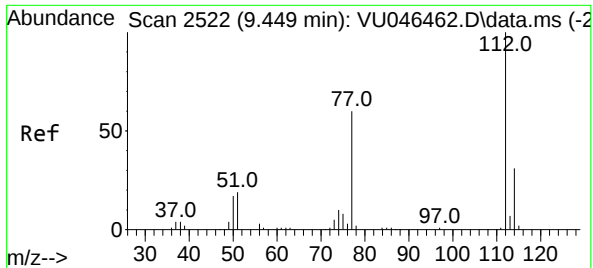


#49
Dibromochloromethane
Concen: 4.626 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU046471.D
Acq: 17 Dec 2021 14:55



Tgt Ion:129 Resp: 5187
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#51
 Chlorobenzene
 Concen: 1.494 ug/L
 RT: 9.449 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU046471.D
 Acq: 17 Dec 2021 14:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	112	Resp:	4214
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.2	41.2
77	56.6	47.4	71.0

