

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046253.D
 Acq On : 10 Dec 2021 04:01
 Operator : SY/MD
 Sample : M4982-18
 Misc : 5.6mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 05:26:38 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)

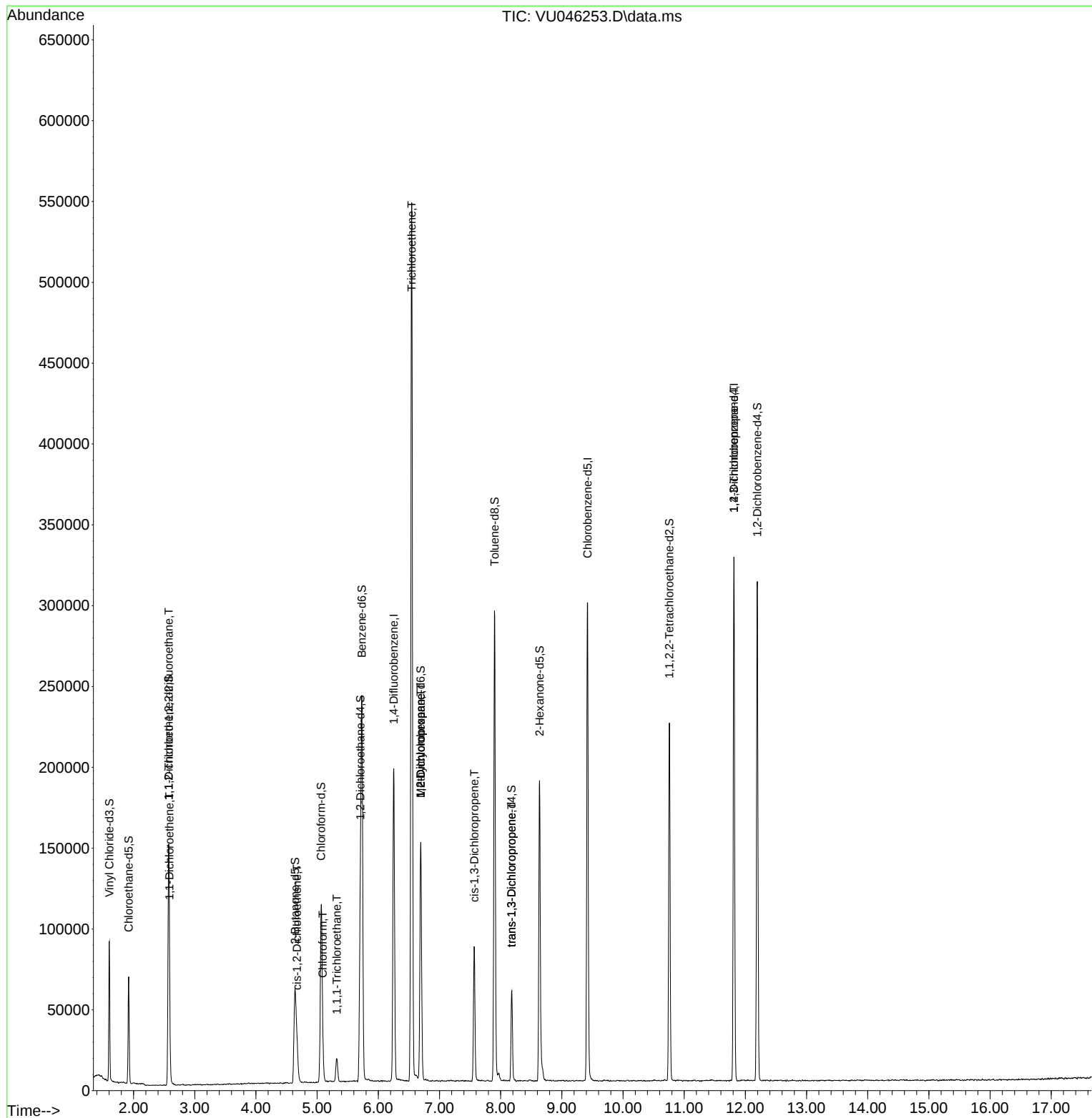
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	160018	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	169939	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	85416	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	60236	45.698	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.400%		
7) Chloroethane-d5	1.919	69	47198	46.635	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.280%		
11) 1,1-Dichloroethene-d2	2.575	63	85904	36.303	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.600%		
21) 2-Butanone-d5	4.639	46	97759	93.294	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.290%		
24) Chloroform-d	5.067	84	102363	46.503	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.000%		
26) 1,2-Dichloroethane-d4	5.707	65	72397	49.007	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.020%		
32) Benzene-d6	5.732	84	224238	46.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.080%		
36) 1,2-Dichloropropane-d6	6.694	67	71045	47.064	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.120%		
41) Toluene-d8	7.899	98	196125	44.224	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.440%		
43) trans-1,3-Dichloroprop...	8.179	79	32968	45.242	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.480%		
47) 2-Hexanone-d5	8.636	63	66761	93.278	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.280%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	108653	47.462	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.920%		
66) 1,2-Dichlorobenzene-d4	12.195	152	80414	48.885	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.780%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	679	0.583	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	11104	10.036	ug/L #	6
20) cis-1,2-Dichloroethene	4.671	96	7189	5.658	ug/L	94
25) Chloroform	5.092	83	11313	4.783	ug/L	91
30) 1,1,1-Trichloroethane	5.321	97	11135	5.338	ug/L	96
34) Trichloroethene	6.546	95	183746	135.607	ug/L	99
35) Methylcyclohexane	6.694	83	17255	8.213	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7787	5.779	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2079	1.014	ug/L #	78
44) trans-1,3-Dichloropropene	8.179	75	1364	0.678	ug/L #	77
60) 1,2,3-Trichloropropane	11.812	75	10221	5.459	ug/L #	66

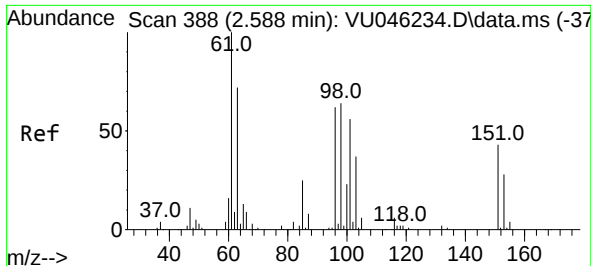
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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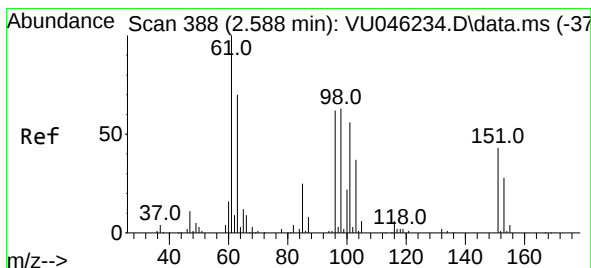
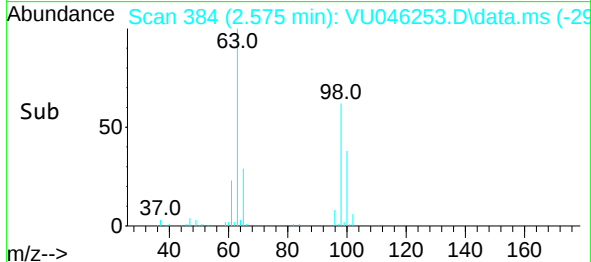
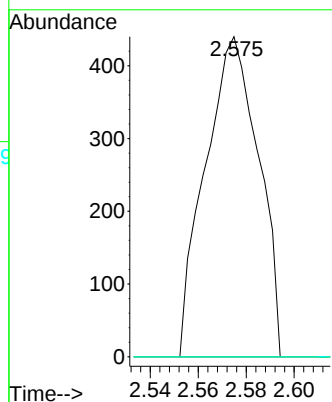
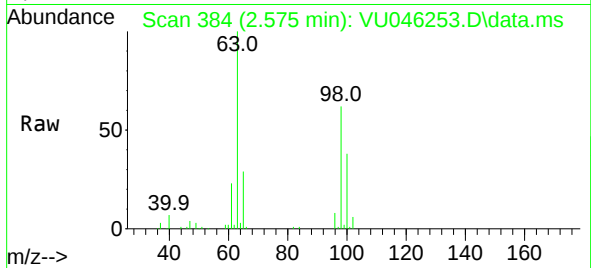




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.583 ug/L
 RT: 2.575 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VU046253.D
 Acq: 10 Dec 2021 04:01

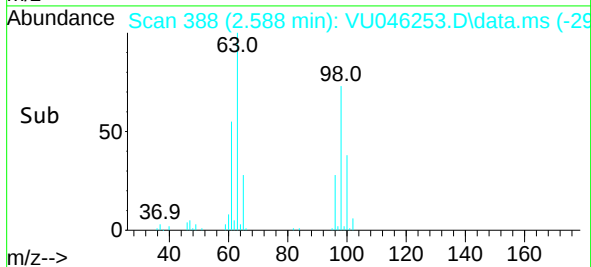
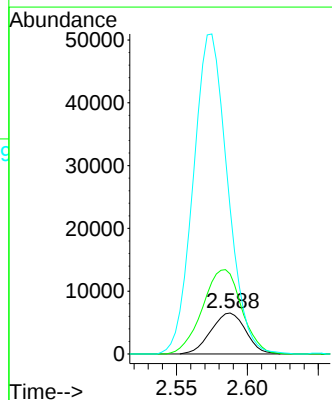
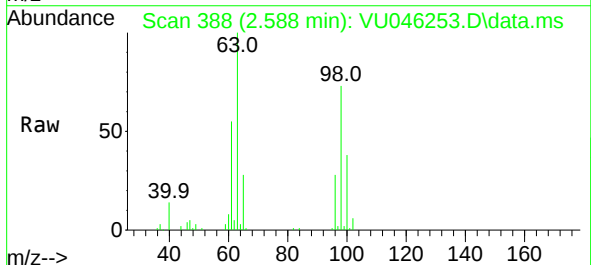
Instrument :
 MSVOA_U
 ClientSampleId :

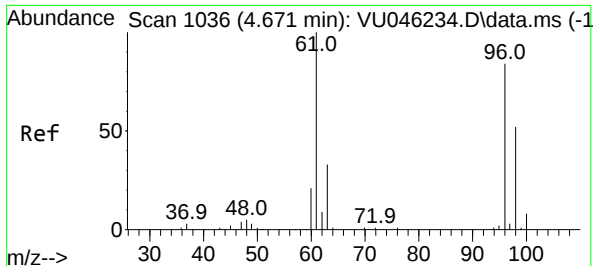
Tgt Ion:101 Resp: 679
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 10.036 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046253.D
 Acq: 10 Dec 2021 04:01

Tgt Ion: 96 Resp: 11104
 Ion Ratio Lower Upper
 96 100
 61 195.7 118.6 220.2
 63 356.8 93.0 172.8#





#20

cis-1,2-Dichloroethene

Concen: 5.658 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046253.D

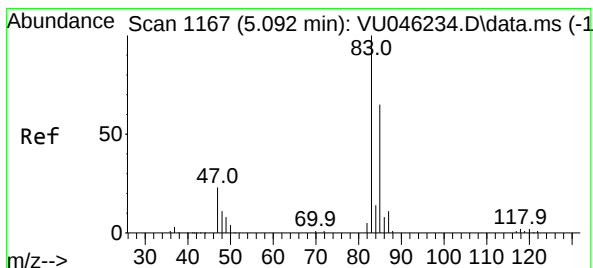
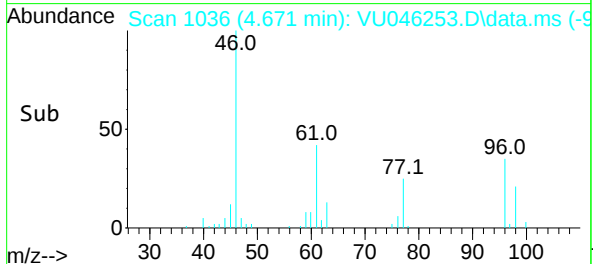
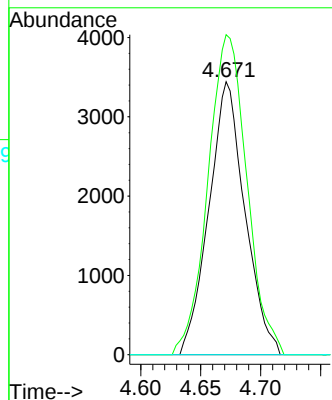
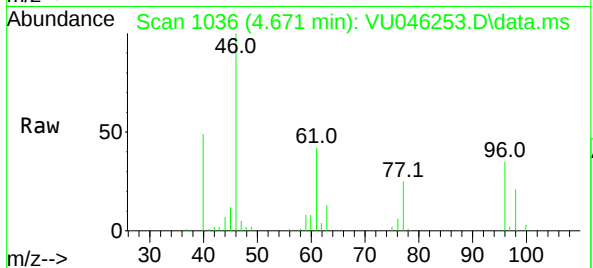
Acq: 10 Dec 2021 04:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96	Resp: 7189
Ion Ratio	Lower Upper
96 100	
61 117.3	86.8 161.2
68 0.0	0.0 0.0



#25

Chloroform

Concen: 4.783 ug/L

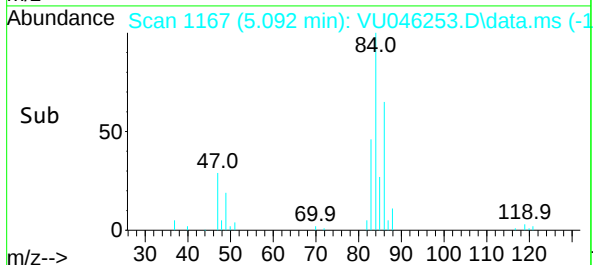
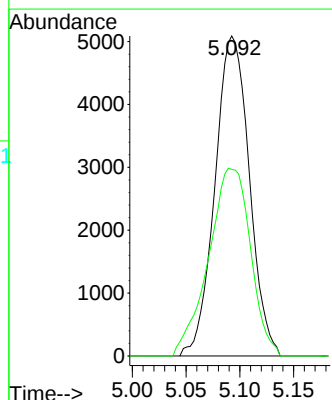
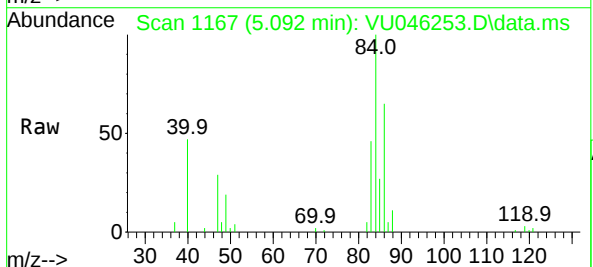
RT: 5.092 min Scan# 1167

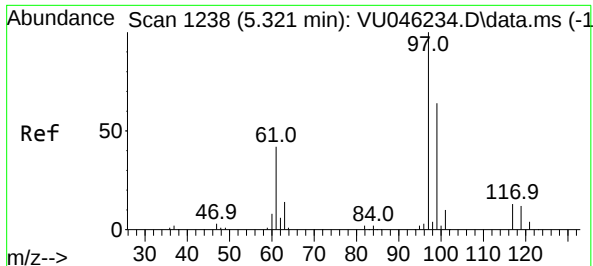
Delta R.T. 0.000 min

Lab File: VU046253.D

Acq: 10 Dec 2021 04:01

Tgt Ion: 83	Resp: 11313
Ion Ratio	Lower Upper
83 100	
85 58.3	45.8 85.2





#30

1,1,1-Trichloroethane

Concen: 5.338 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046253.D

Acq: 10 Dec 2021 04:01

Instrument :

MSVOA_U

ClientSampleId :

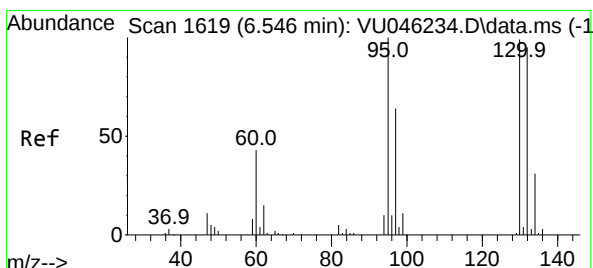
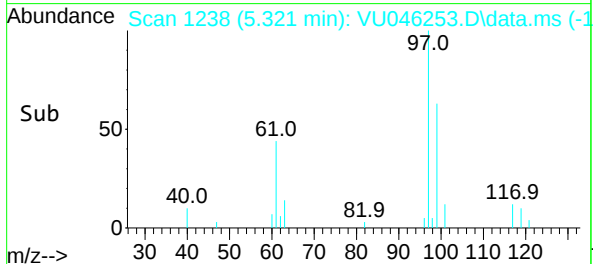
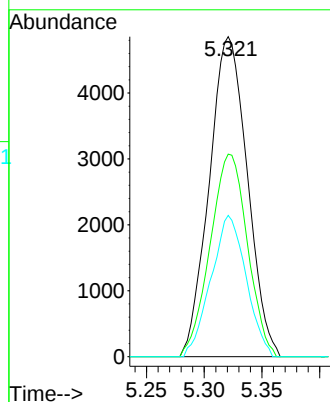
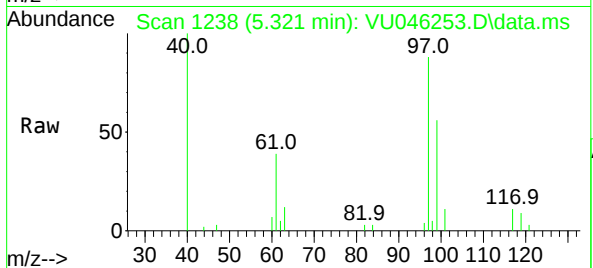
Tgt Ion: 97 Resp: 11135

Ion Ratio Lower Upper

97 100

99 62.0 51.8 77.6

61 40.7 34.4 51.6



#34

Trichloroethene

Concen: 135.607 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU046253.D

Acq: 10 Dec 2021 04:01

Tgt Ion: 95 Resp: 183746

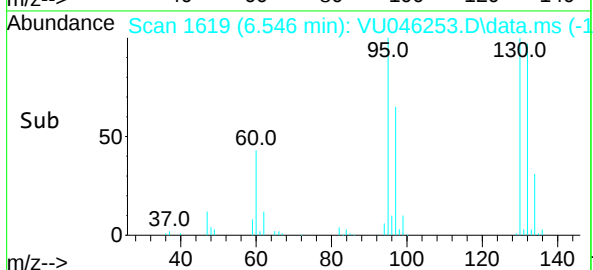
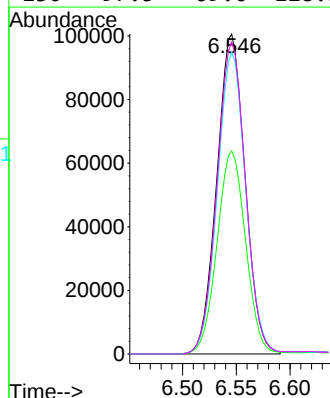
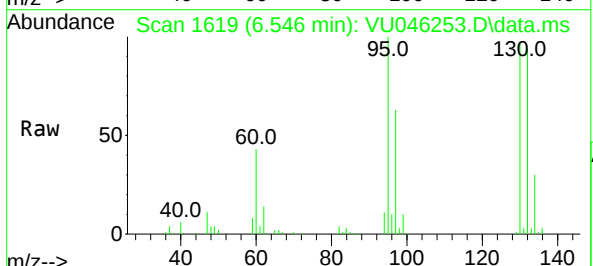
Ion Ratio Lower Upper

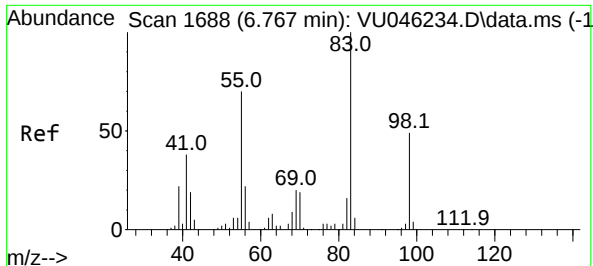
95 100

97 63.5 44.1 81.9

132 94.4 66.8 124.0

130 97.5 69.0 128.1





#35

Methylcyclohexane

Concen: 8.213 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046253.D

Acq: 10 Dec 2021 04:01

Instrument :

MSVOA_U

ClientSampleId :

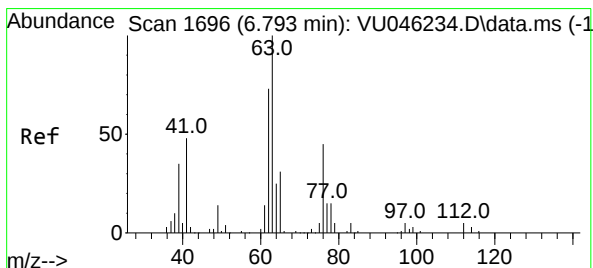
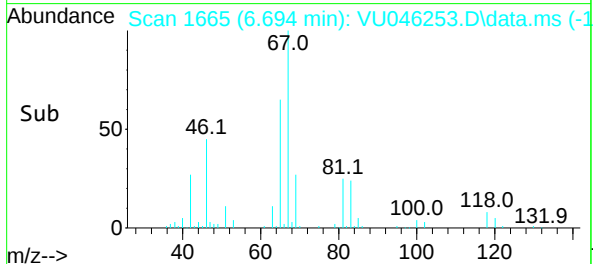
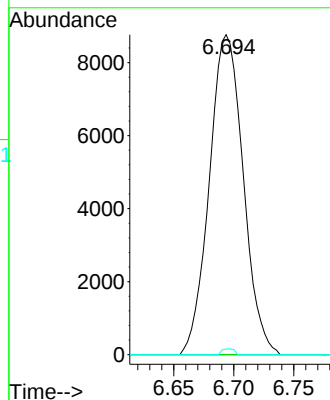
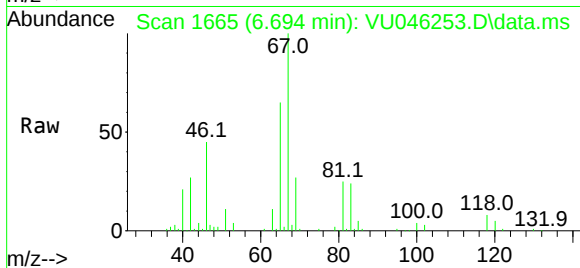
Tgt Ion: 83 Resp: 17255

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.6 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.779 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU046253.D

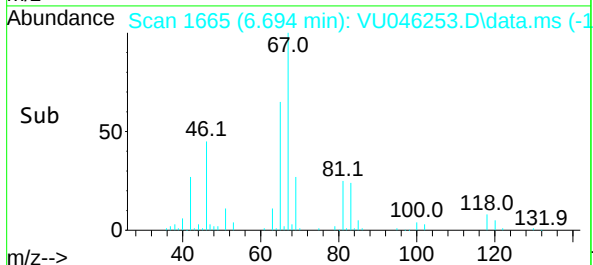
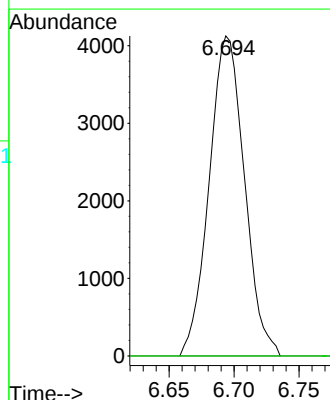
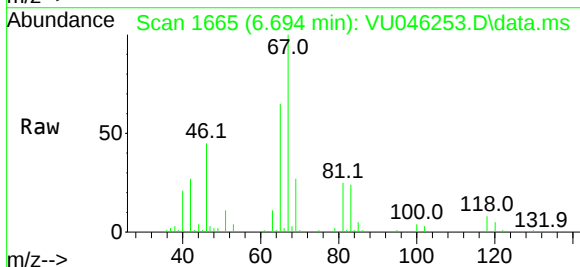
Acq: 10 Dec 2021 04:01

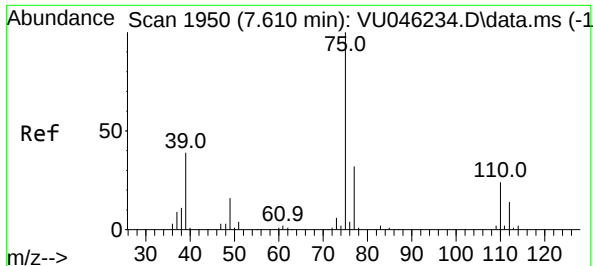
Tgt Ion: 63 Resp: 7787

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046253.D

Acq: 10 Dec 2021 04:01

Instrument :

MSVOA_U

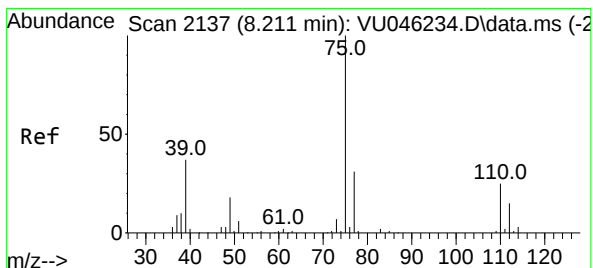
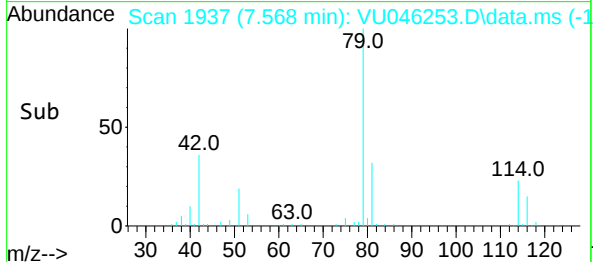
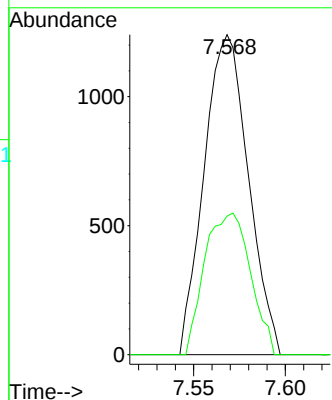
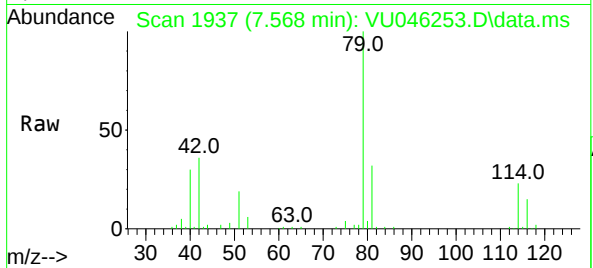
ClientSampleId :

Tgt Ion: 75 Resp: 2079

Ion Ratio Lower Upper

75 100

77 43.3 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.678 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.035 min

Lab File: VU046253.D

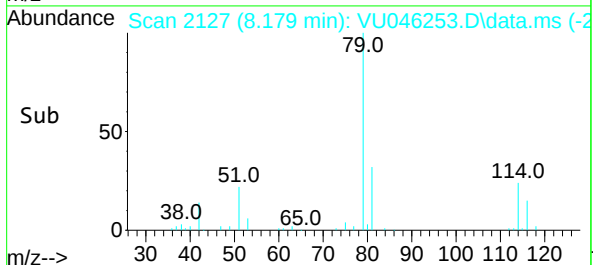
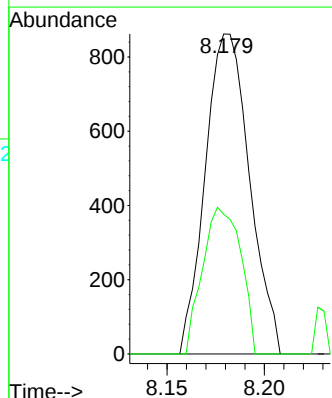
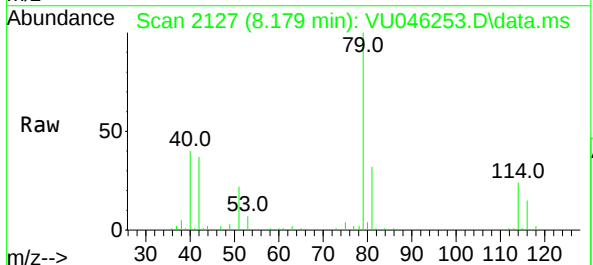
Acq: 10 Dec 2021 04:01

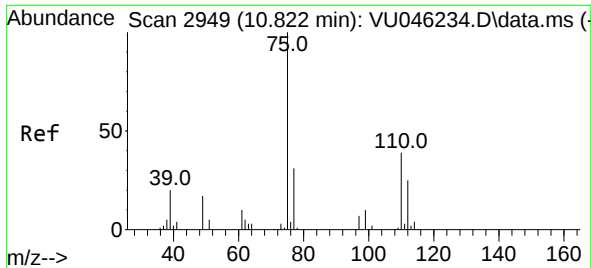
Tgt Ion: 75 Resp: 1364

Ion Ratio Lower Upper

75 100

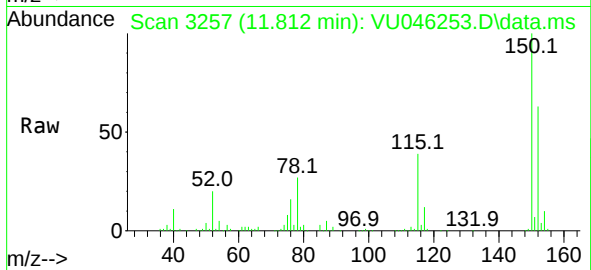
77 43.6 21.7 40.3#





#60
 1,2,3-Trichloropropane
 Concen: 5.459 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046253.D
 Acq: 10 Dec 2021 04:01

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 10221
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.4 39.6
 110 2.1 32.4 48.6#

