

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046470.D
 Acq On : 17 Dec 2021 14:33
 Operator : SY/MD
 Sample : M5103-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 23:28:50 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)

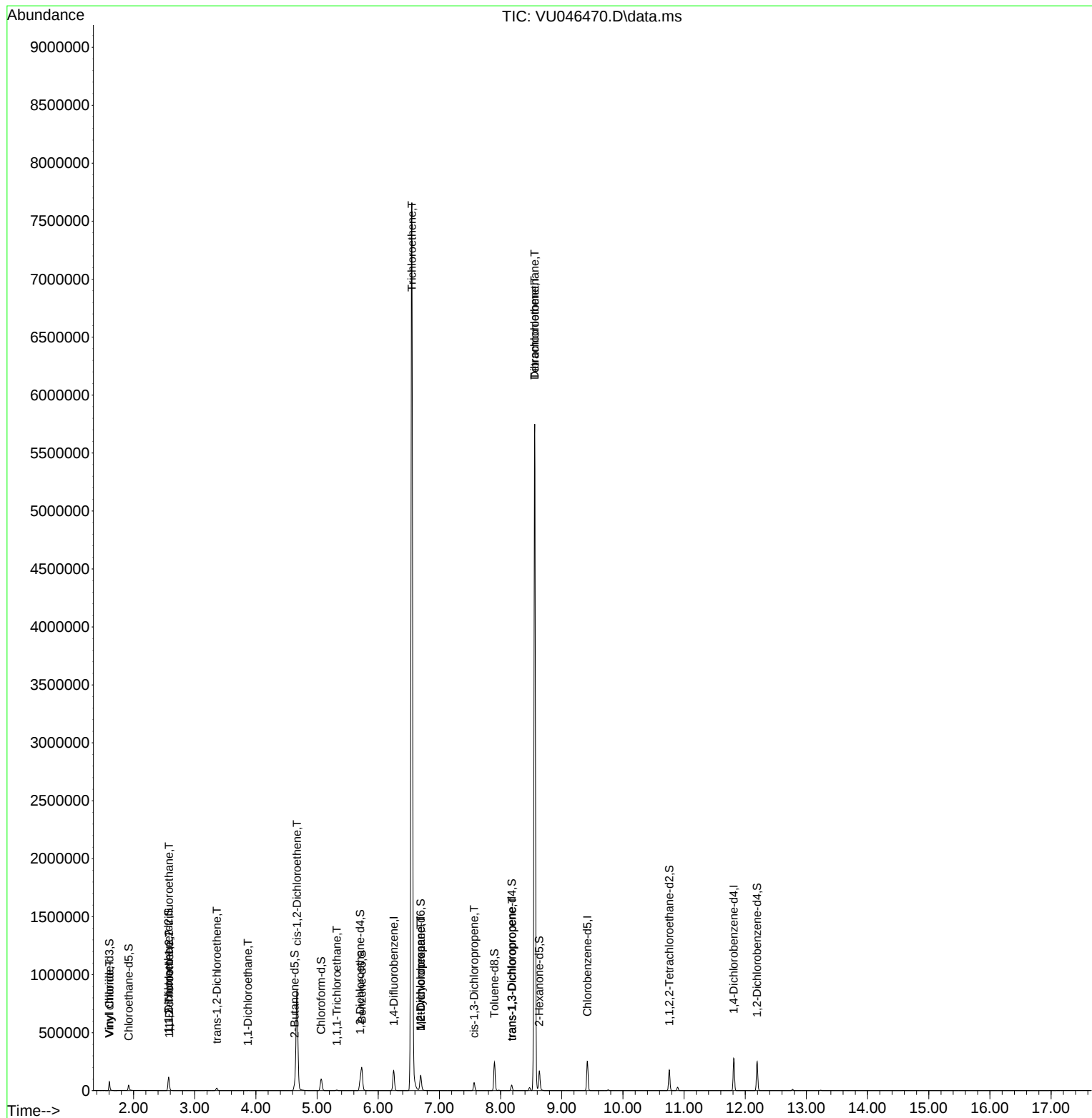
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	141600	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	142576	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	72242	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	48925	41.944	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.880%		
7) Chloroethane-d5	1.919	69	38656	43.163	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.320%		
11) 1,1-Dichloroethene-d2	2.571	63	68235	32.587	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.180%		
21) 2-Butanone-d5	4.632	46	76375	82.367	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.370%		
24) Chloroform-d	5.066	84	95629	49.094	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.180%		
26) 1,2-Dichloroethane-d4	5.703	65	64205	49.115	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.220%		
32) Benzene-d6	5.732	84	188702	46.177	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.360%		
36) 1,2-Dichloropropane-d6	6.693	67	59743	47.173	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.340%		
41) Toluene-d8	7.899	98	162651	43.715	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.420%		
43) trans-1,3-Dichloroprop...	8.182	79	28234	46.182	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.360%		
47) 2-Hexanone-d5	8.632	63	61371	102.203	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.200%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	86173	44.867	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.740%		
66) 1,2-Dichlorobenzene-d4	12.195	152	63202	45.428	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.860%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	14947	10.758	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	547	0.531	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	3753	3.833	ug/L #	1
17) trans-1,2-Dichloroethene	3.362	96	9506	9.175	ug/L	98
19) 1,1-Dichloroethane	3.870	63	1804	0.958	ug/L #	83
20) cis-1,2-Dichloroethene	4.671	96	452936	402.875	ug/L	99
30) 1,1,1-Trichloroethane	5.320	97	4164	2.379	ug/L	96
34) Trichloroethene	6.549	95	2673633	2351.863	ug/L	96
35) Methylcyclohexane	6.693	83	14708	8.344	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6312	5.584	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1670	0.971	ug/L #	56
44) trans-1,3-Dichloropropene	8.185	75	1230	0.728	ug/L	88
46) Tetrachloroethene	8.558	164	1208375	1446.429	ug/L	99
49) Dibromochloromethane	8.558	129	1197861	1005.827	ug/L #	10

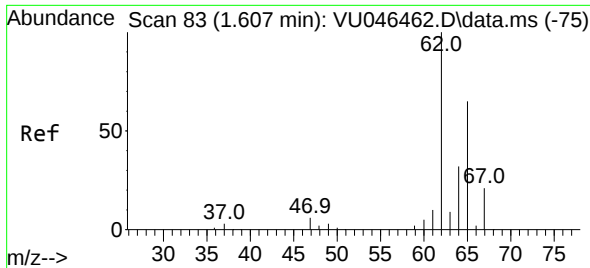
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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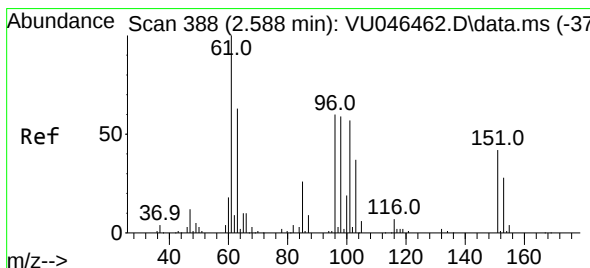
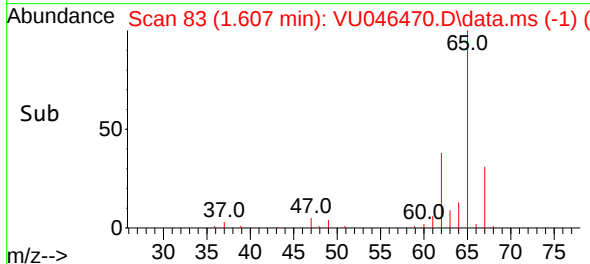
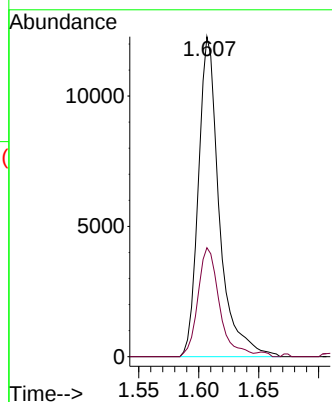
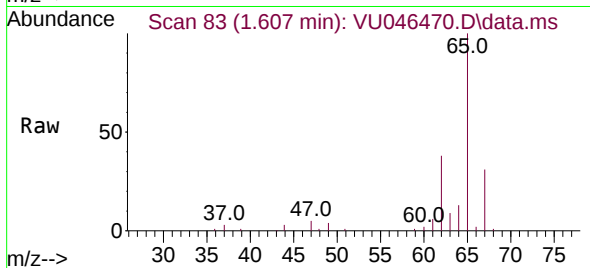




#5
 Vinyl chloride
 Concen: 10.758 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046470.D
 Acq: 17 Dec 2021 14:33

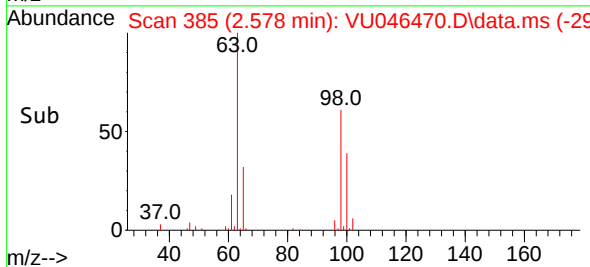
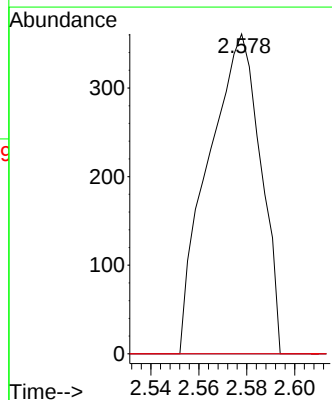
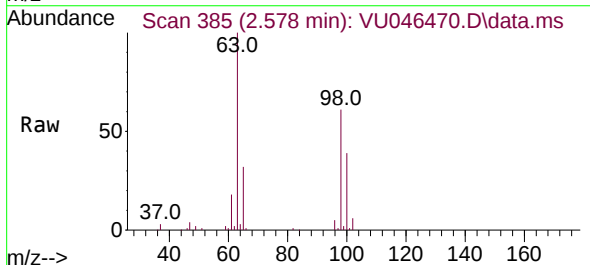
Instrument :
 MSVOA_U
 ClientSampleId :

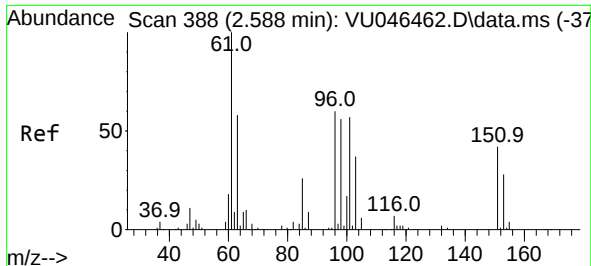
Tgt Ion: 62 Resp: 14947
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.531 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.010 min
 Lab File: VU046470.D
 Acq: 17 Dec 2021 14:33

Tgt Ion: 101 Resp: 547
 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: 3.833 ug/L

RT: 2.584 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046470.D

Acq: 17 Dec 2021 14:33

Instrument :

MSVOA_U

ClientSampleId :

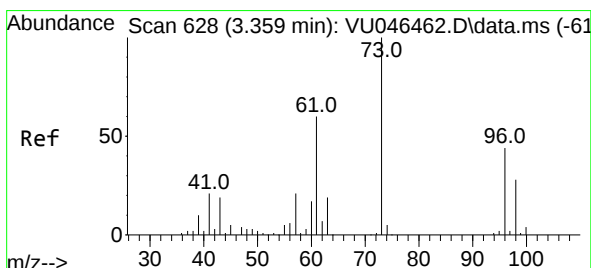
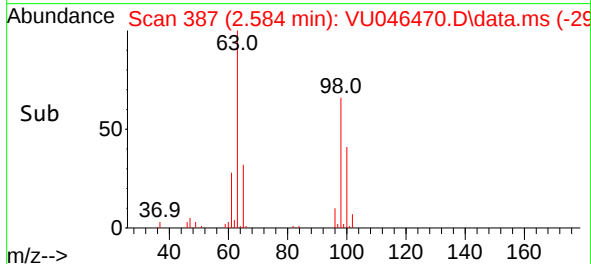
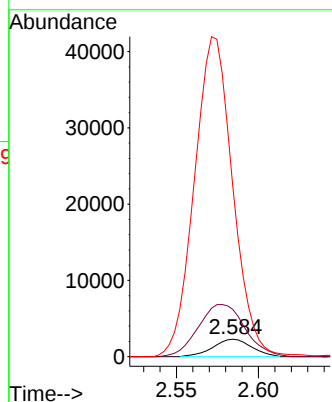
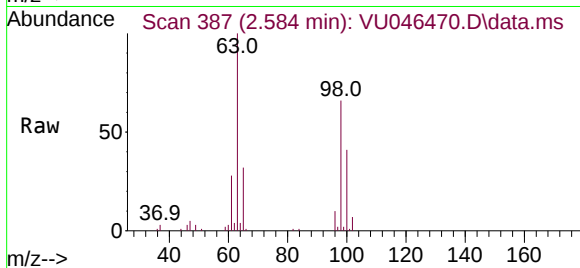
Tgt Ion: 96 Resp: 3753

Ion Ratio Lower Upper

96 100

61 270.9 118.6 220.2#

63 979.9 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 9.175 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU046470.D

Acq: 17 Dec 2021 14:33

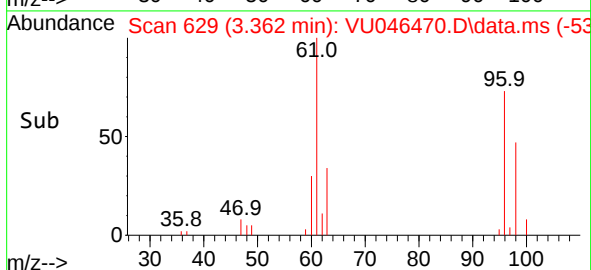
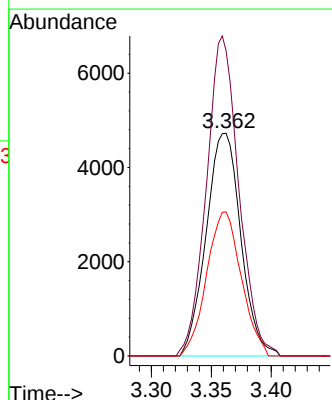
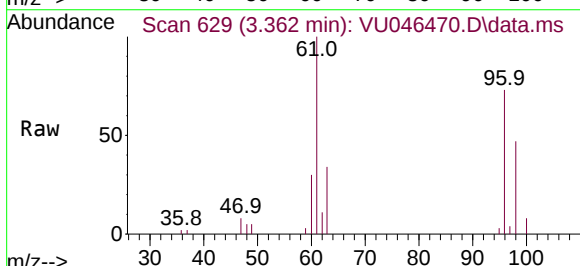
Tgt Ion: 96 Resp: 9506

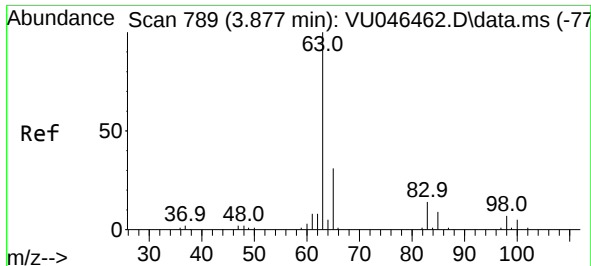
Ion Ratio Lower Upper

96 100

61 136.9 94.6 175.6

98 64.6 44.0 81.8





#19

1,1-Dichloroethane

Concen: 0.958 ug/L

RT: 3.870 min Scan# 789

Delta R.T. -0.006 min

Lab File: VU046470.D

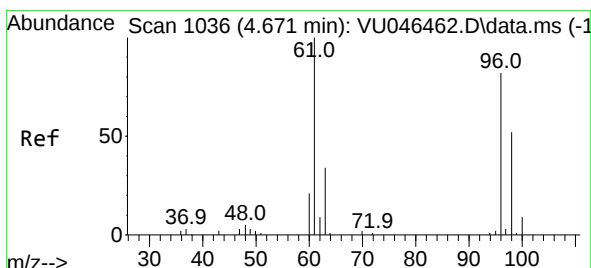
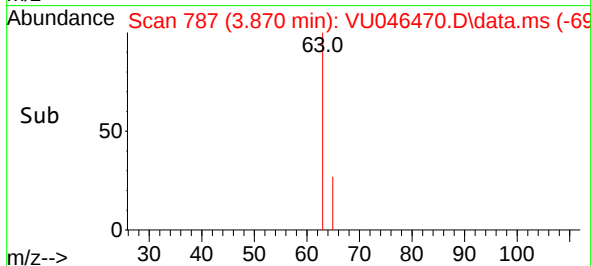
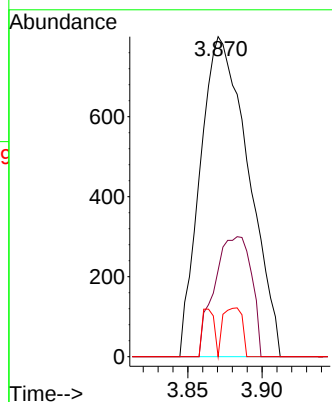
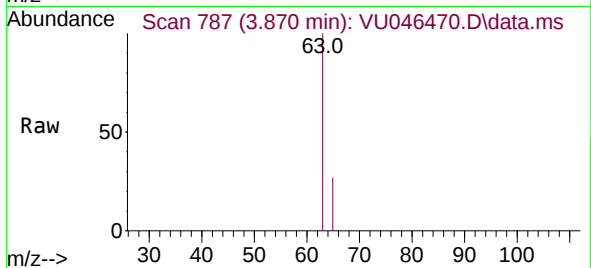
Acq: 17 Dec 2021 14:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 1804
Ion Ratio	Lower Upper
63	100
65	27.0 22.8 42.4
83	0.0 9.6 17.8#



#20

cis-1,2-Dichloroethene

Concen: 402.875 ug/L

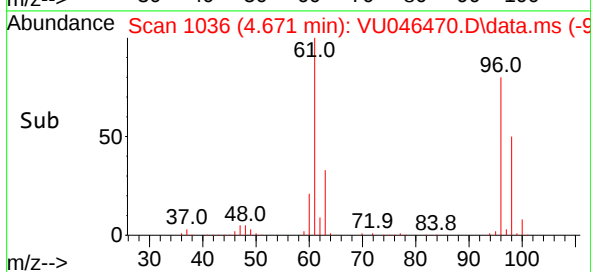
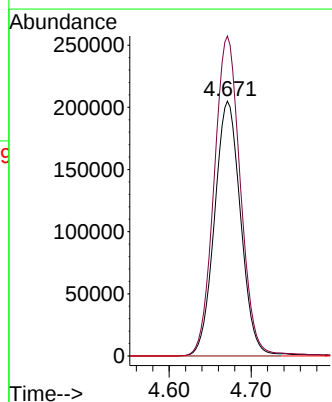
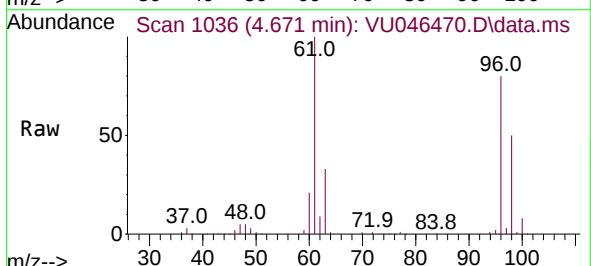
RT: 4.671 min Scan# 1036

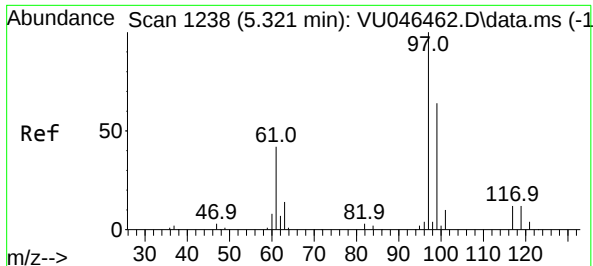
Delta R.T. -0.000 min

Lab File: VU046470.D

Acq: 17 Dec 2021 14:33

Tgt Ion: 96	Resp: 452936
Ion Ratio	Lower Upper
96	100
61	125.5 86.8 161.2
68	0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 2.379 ug/L

RT: 5.320 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU046470.D

Acq: 17 Dec 2021 14:33

Instrument :

MSVOA_U

ClientSampleId :

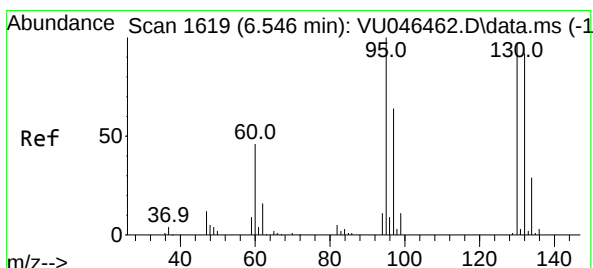
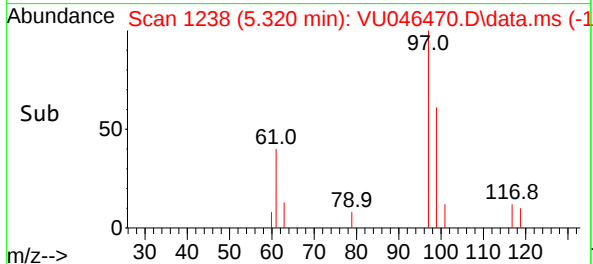
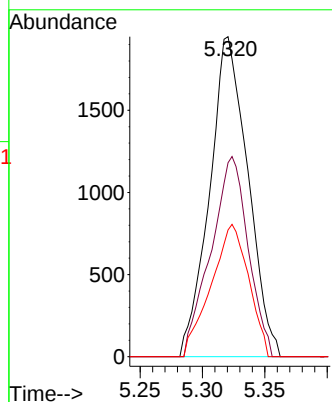
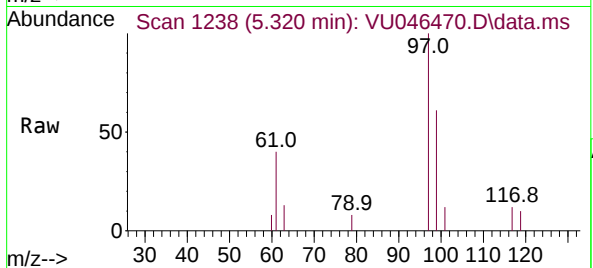
Tgt Ion: 97 Resp: 4164

Ion Ratio Lower Upper

97 100

99 60.8 51.8 77.6

61 40.7 34.4 51.6



#34

Trichloroethene

Concen: 2351.863 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. 0.003 min

Lab File: VU046470.D

Acq: 17 Dec 2021 14:33

Tgt Ion: 95 Resp: 2673633

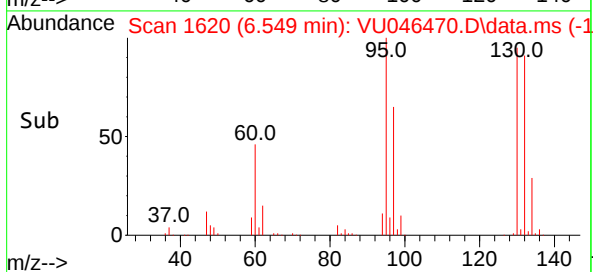
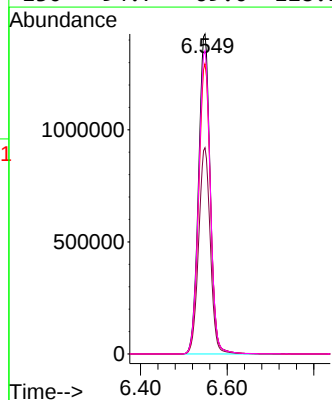
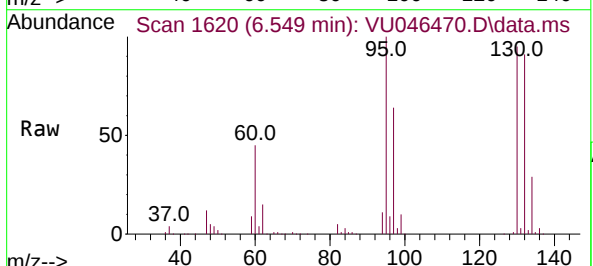
Ion Ratio Lower Upper

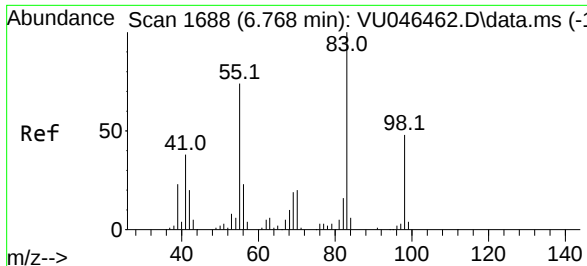
95 100

97 64.5 44.1 81.9

132 90.7 66.8 124.0

130 94.7 69.0 128.1

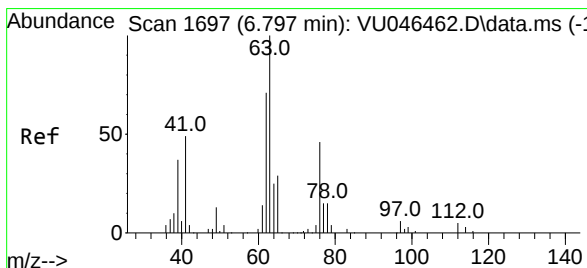
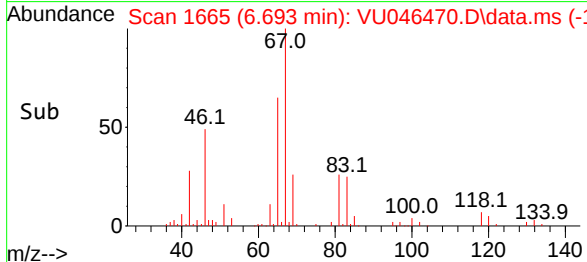
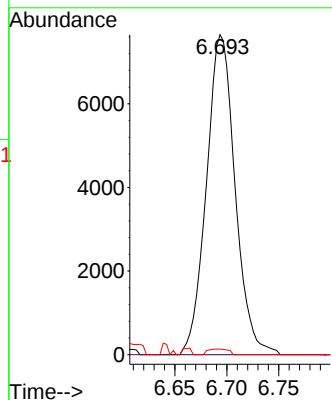
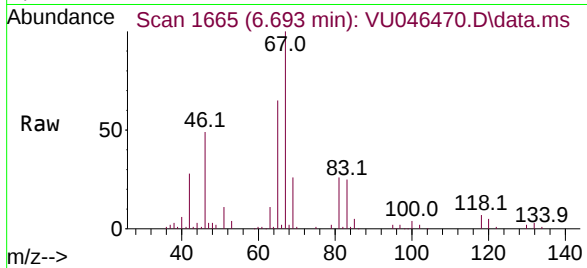




#35
Methylcyclohexane
Concen: 8.344 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

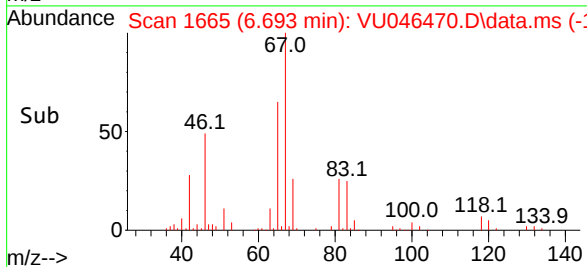
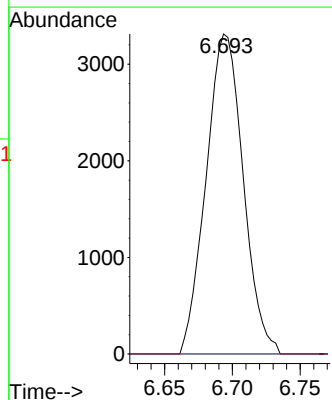
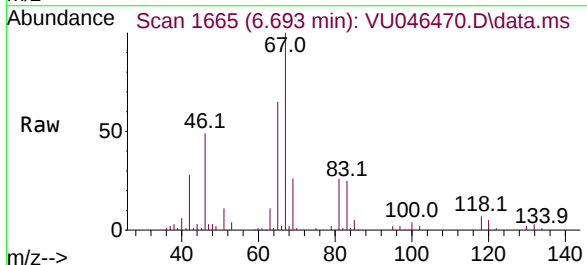
Instrument :
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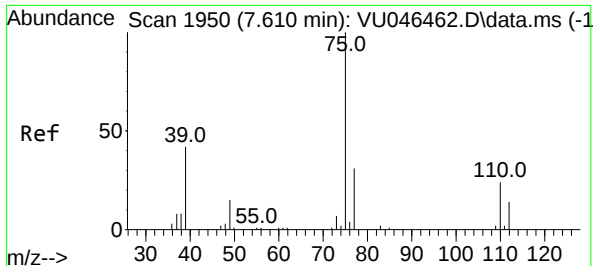
Tgt Ion: 83 Resp: 14708
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.2 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.584 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

Tgt Ion: 63 Resp: 6312
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.971 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046470.D

Acq: 17 Dec 2021 14:33

Instrument :

MSVOA_U

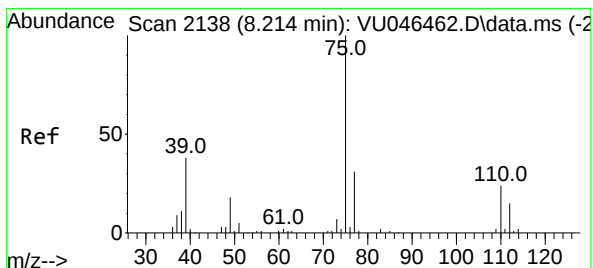
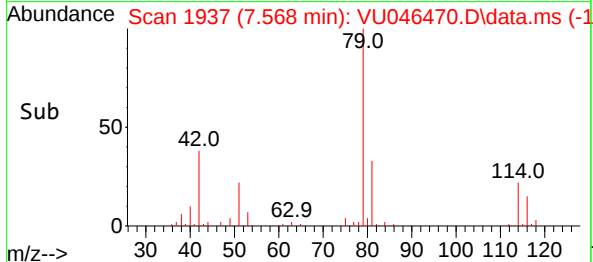
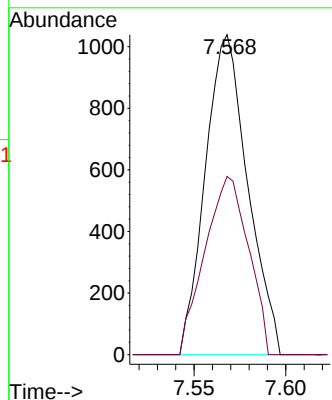
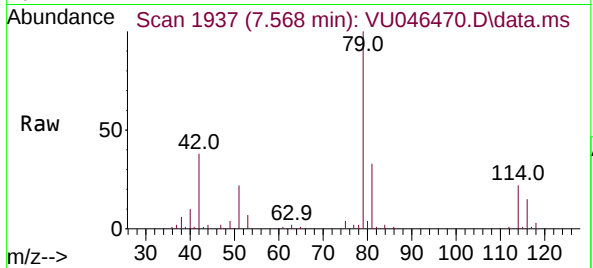
ClientSampleId :

Tgt Ion: 75 Resp: 1670

Ion Ratio Lower Upper

75 100

77 55.7 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.728 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.026 min

Lab File: VU046470.D

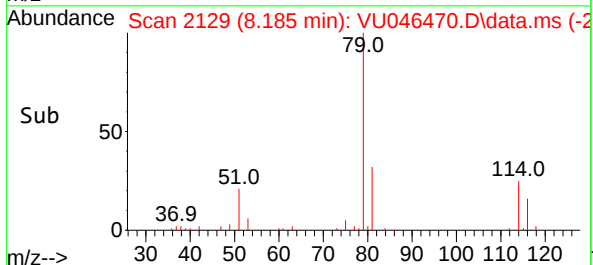
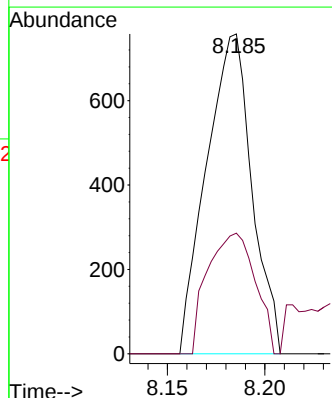
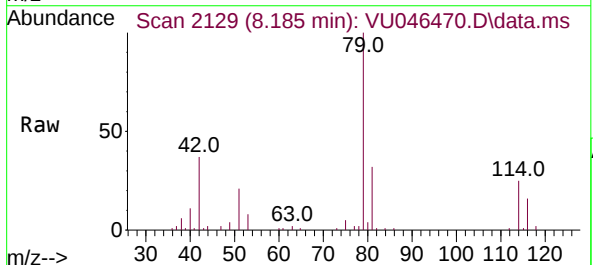
Acq: 17 Dec 2021 14:33

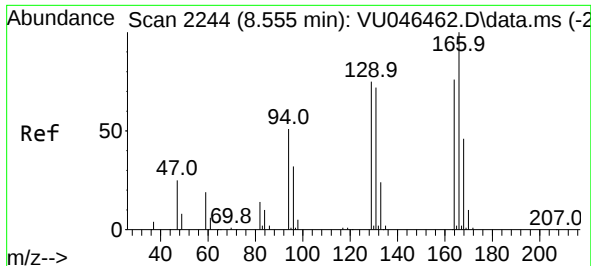
Tgt Ion: 75 Resp: 1230

Ion Ratio Lower Upper

75 100

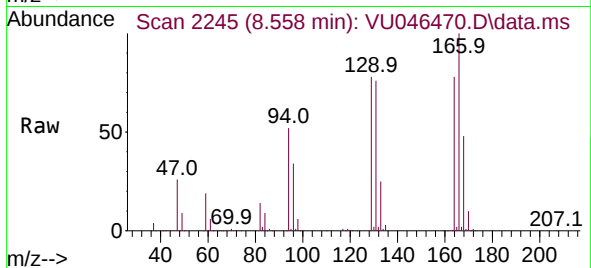
77 37.7 21.7 40.3



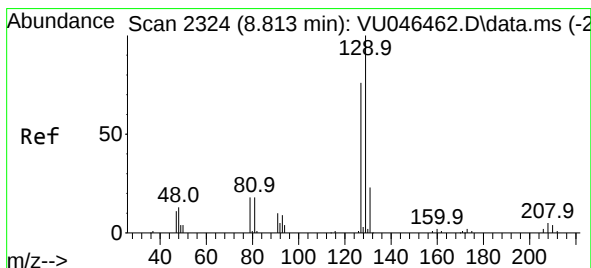
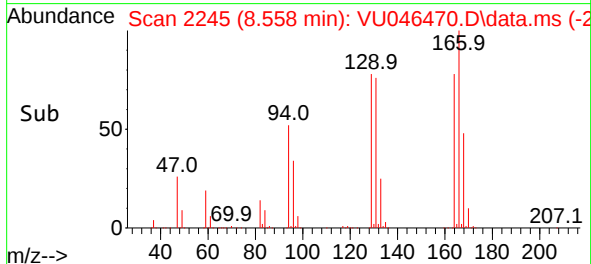
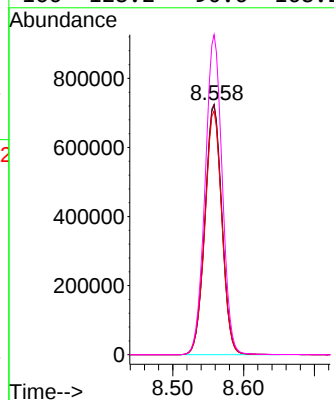


#46
Tetrachloroethene
Concen: 1446.429 ug/L
RT: 8.558 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 1208375
Ion Ratio Lower Upper
164 100
129 100.3 71.1 132.1
131 97.6 67.8 126.0
166 128.2 90.6 168.2



#49
Dibromochloromethane
Concen: 1005.827 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU046470.D
Acq: 17 Dec 2021 14:33

Tgt Ion:129 Resp: 1197861
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#

