

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047688.D
 Acq On : 25 Mar 2022 21:26
 Operator : SY/MD
 Sample : N2082-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW605

Quant Time: Mar 26 04:23:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:50:24 2022
 Response via : Initial Calibration

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

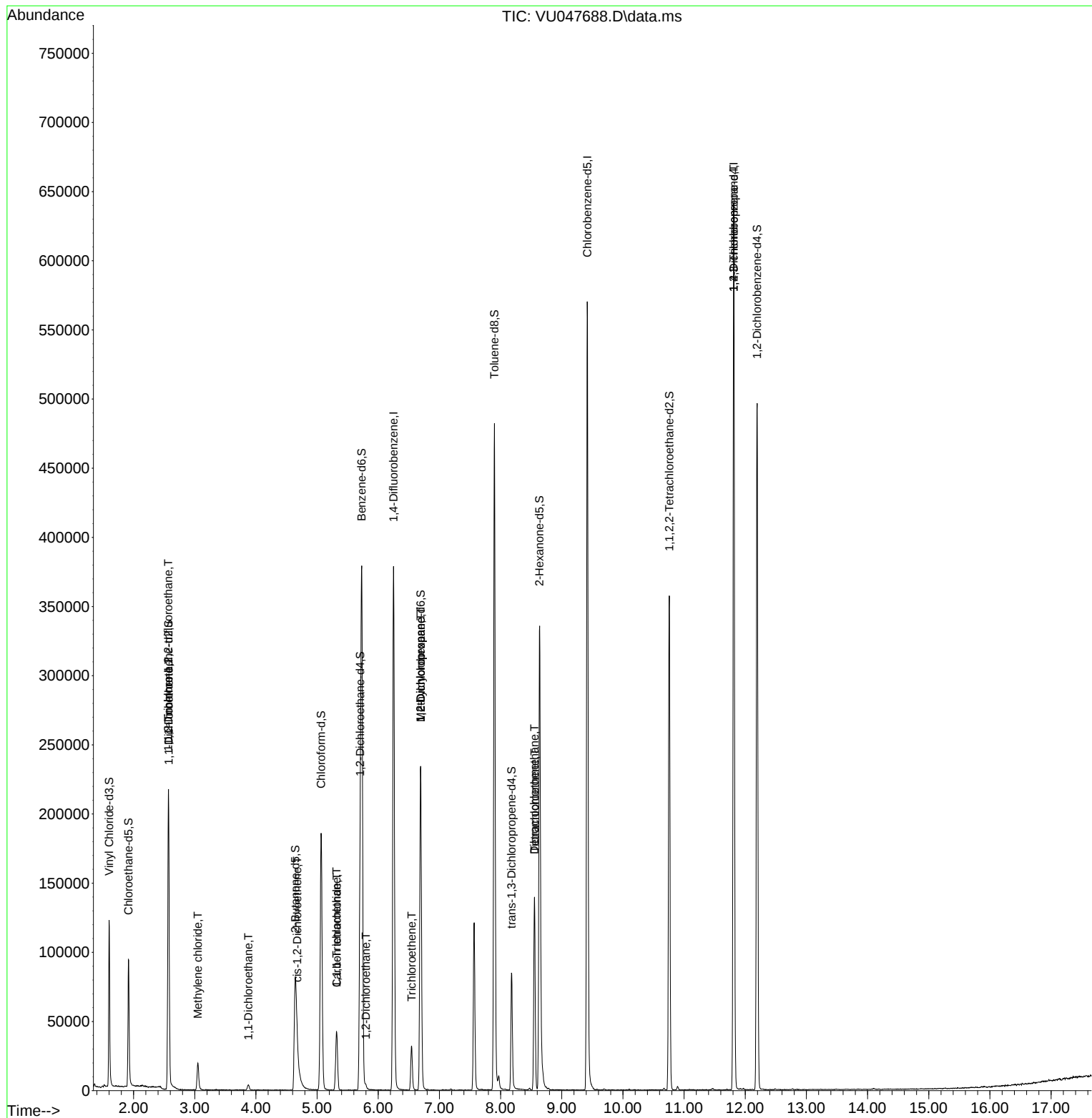
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	326982	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	338817	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	178246	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87524	36.912	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.820%		
7) Chloroethane-d5	1.915	69	70921	37.933	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.860%		
11) 1,1-Dichloroethene-d2	2.571	63	125557	28.942	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.880%#		
21) 2-Butanone-d5	4.645	46	177383	87.157	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.160%		
24) Chloroform-d	5.066	84	173867	40.075	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.140%		
26) 1,2-Dichloroethane-d4	5.703	65	113793	42.764	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.520%		
32) Benzene-d6	5.729	84	350569	41.120	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.240%		
36) 1,2-Dichloropropane-d6	6.693	67	112581	42.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.000%		
41) Toluene-d8	7.899	98	324788	39.101	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.200%#		
43) trans-1,3-Dichloroprop...	8.179	79	47497	35.807	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.620%		
47) 2-Hexanone-d5	8.635	63	122932	80.204	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.200%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	177990	39.611	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.220%		
66) 1,2-Dichlorobenzene-d4	12.195	152	138448	43.658	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.320%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1324	0.549	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	2142	0.955	ug/L #	1
16) Methylene chloride	3.050	84	10359	4.025	ug/L	97
19) 1,1-Dichloroethane	3.877	63	4925	1.180	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	1566	0.590	ug/L	75
27) 1,2-Dichloroethane	5.796	62	1703	0.491	ug/L #	75
30) 1,1,1-Trichloroethane	5.317	97	30505	7.940	ug/L	99
31) Carbon tetrachloride	5.321	117	4241	1.222	ug/L	100
34) Trichloroethene	6.546	95	10684	4.155	ug/L	97
35) Methylcyclohexane	6.693	83	26538	6.785	ug/L #	21
37) 1,2-Dichloropropane	6.693	63	11774	4.723	ug/L #	87
46) Tetrachloroethene	8.555	164	32531	14.079	ug/L	98
49) Dibromochloromethane	8.552	129	28764	9.392	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	18998	5.654	ug/L #	67

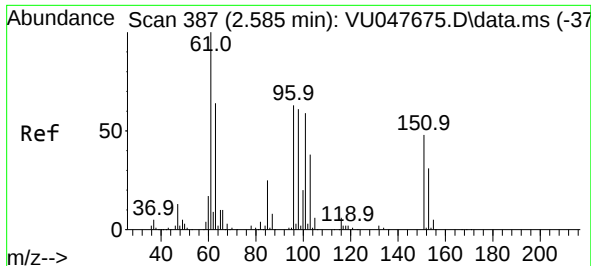
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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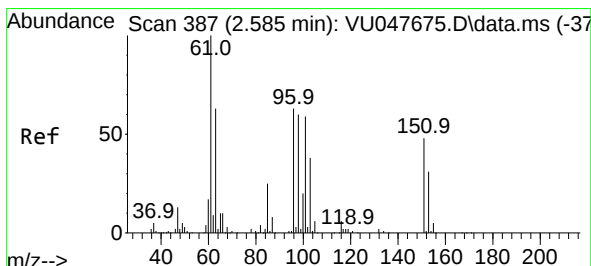
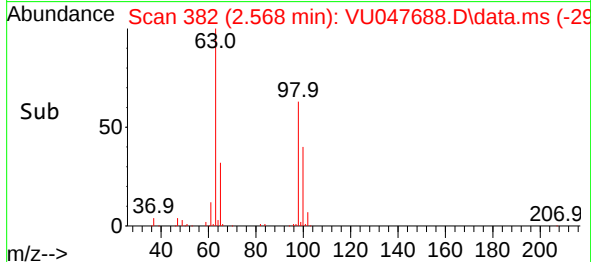
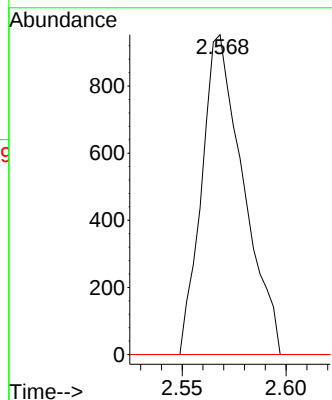
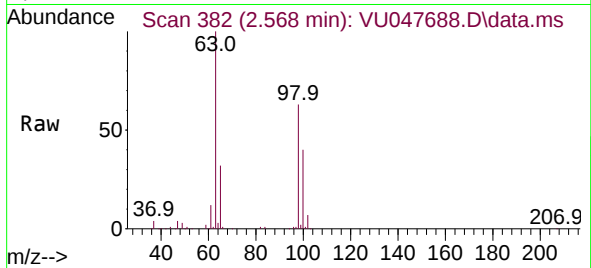




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.549 ug/L
RT: 2.568 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU047688.D
Acq: 25 Mar 2022 21:26

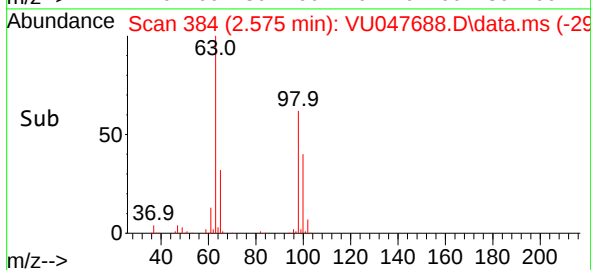
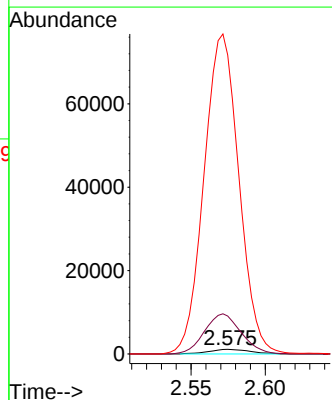
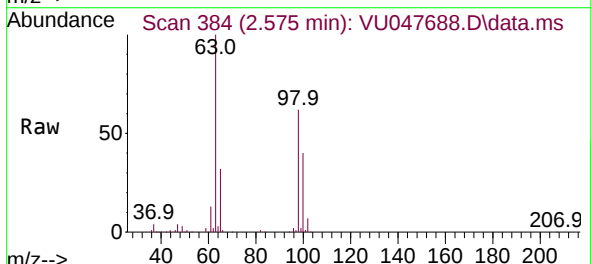
Instrument :
MSVOA_U
ClientSampleId :
EW605

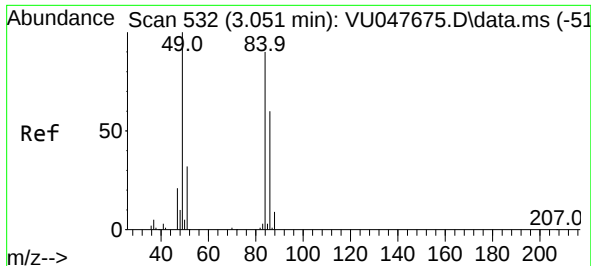
Tgt Ion:101 Resp: 1324
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 0.955 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU047688.D
Acq: 25 Mar 2022 21:26

Tgt Ion: 96 Resp: 2142
Ion Ratio Lower Upper
96 100
61 819.0 113.1 210.1#
63 6464.9 94.8 176.0#

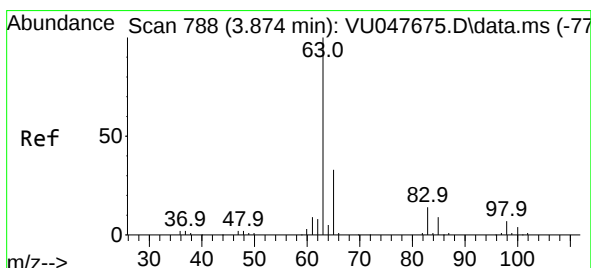
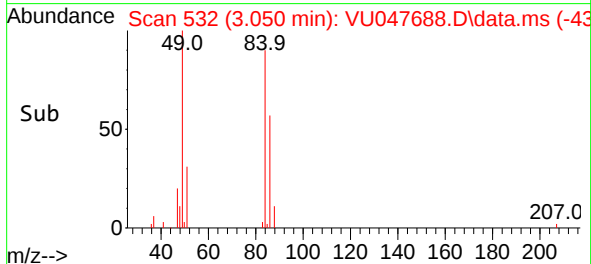
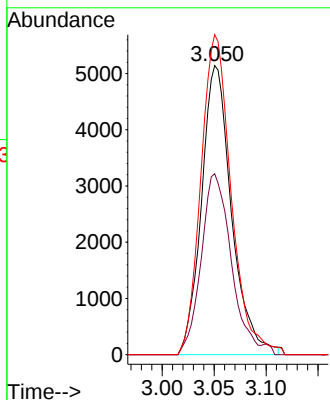
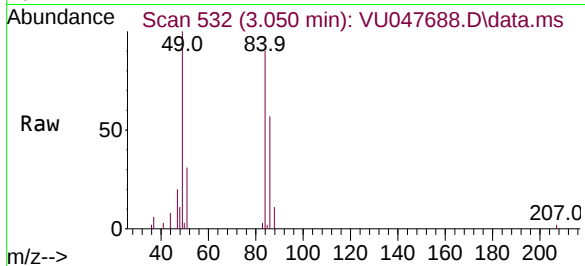




#16
Methylene chloride
Concen: 4.025 ug/L
RT: 3.050 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU047688.D
Acq: 25 Mar 2022 21:26

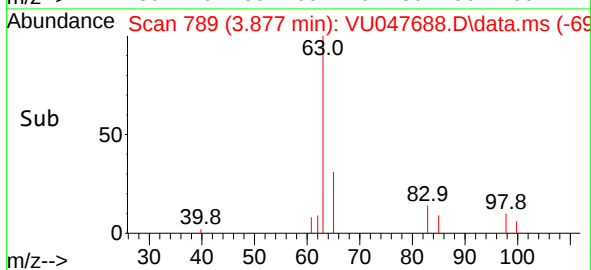
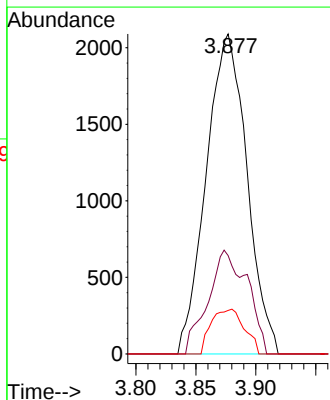
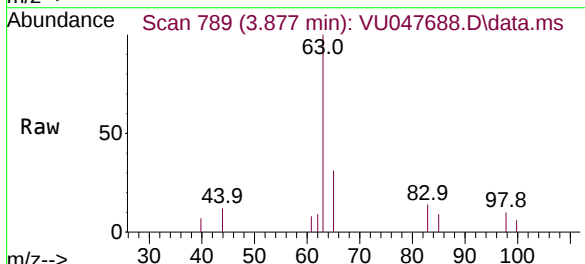
Instrument :
MSVOA_U
ClientSampleId :
EW605

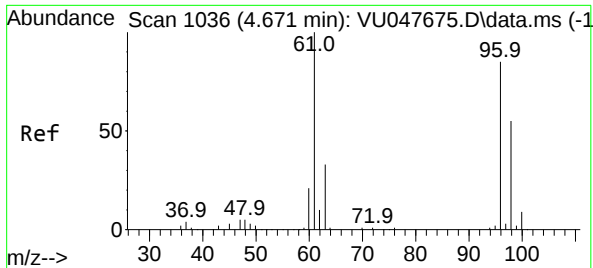
Tgt Ion: 84 Resp: 10359
Ion Ratio Lower Upper
84 100
86 62.6 46.0 85.4
49 110.7 75.3 139.8



#19
1,1-Dichloroethane
Concen: 1.180 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU047688.D
Acq: 25 Mar 2022 21:26

Tgt Ion: 63 Resp: 4925
Ion Ratio Lower Upper
63 100
65 30.8 22.0 41.0
83 13.6 9.7 18.1

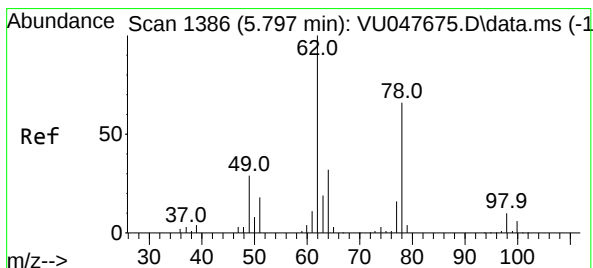
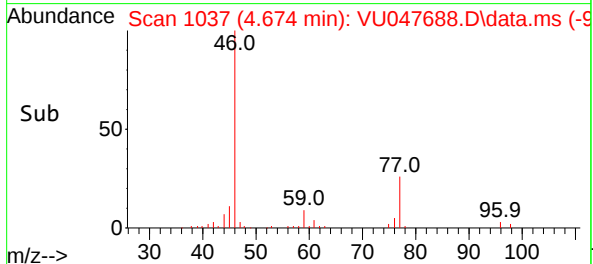
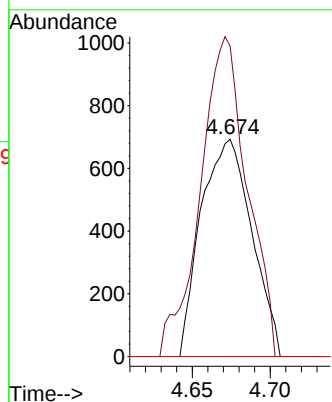
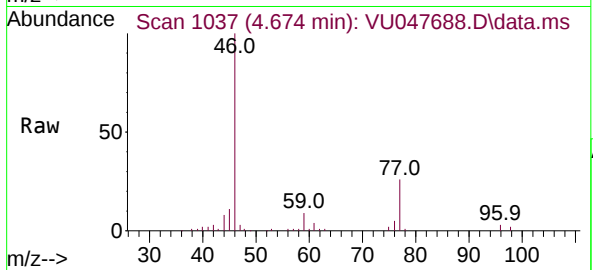




#20
 cis-1,2-Dichloroethene
 Concen: 0.590 ug/L
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU047688.D
 Acq: 25 Mar 2022 21:26

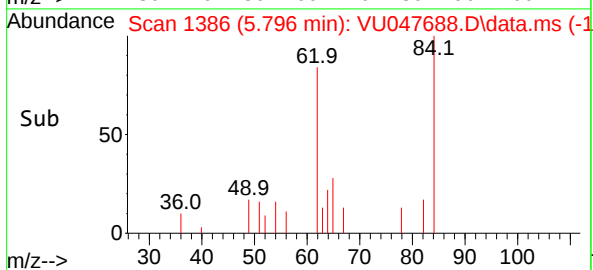
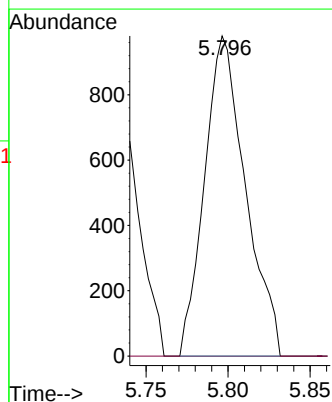
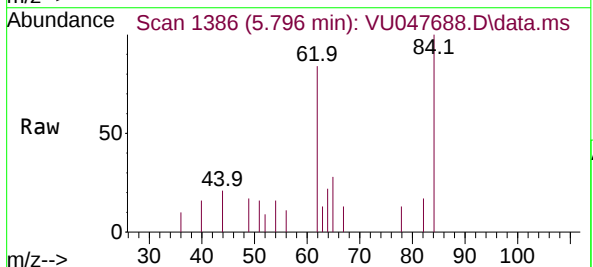
Instrument :
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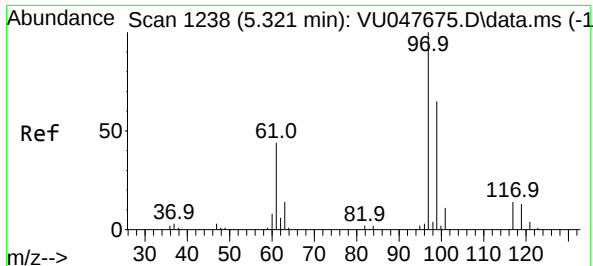
Tgt Ion: 96 Resp: 1566
 Ion Ratio Lower Upper
 96 100
 61 142.9 80.7 149.9
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.491 ug/L
 RT: 5.796 min Scan# 1386
 Delta R.T. -0.000 min
 Lab File: VU047688.D
 Acq: 25 Mar 2022 21:26

Tgt Ion: 62 Resp: 1703
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#





#30

1,1,1-Trichloroethane

Concen: 7.940 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU047688.D

Acq: 25 Mar 2022 21:26

Instrument :

MSVOA_U

ClientSampleId :

EW605

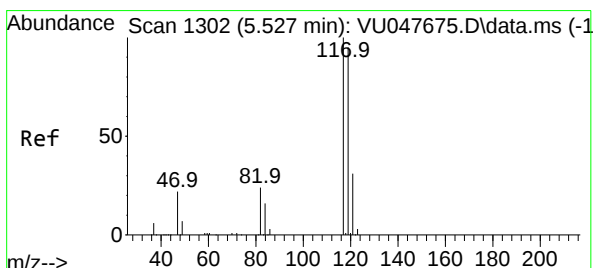
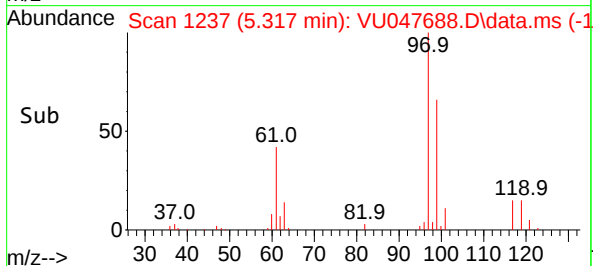
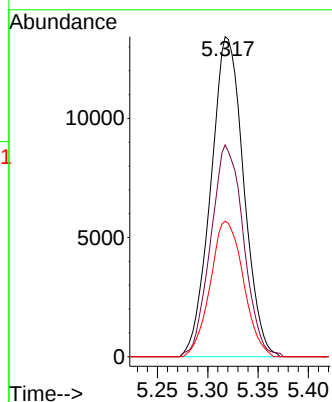
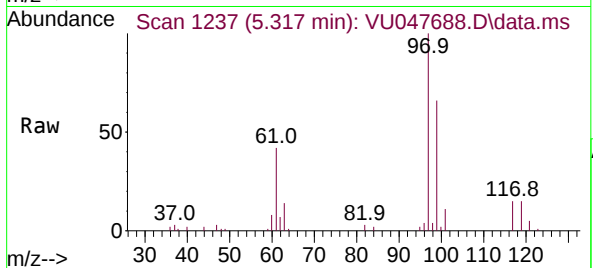
Tgt Ion: 97 Resp: 30505

Ion Ratio Lower Upper

97 100

99 66.2 51.6 77.4

61 42.7 34.2 51.4



#31

Carbon tetrachloride

Concen: 1.222 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU047688.D

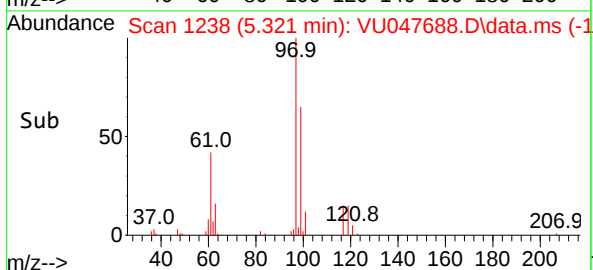
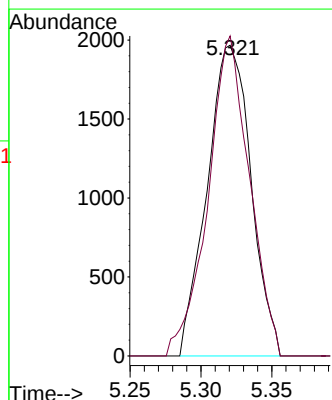
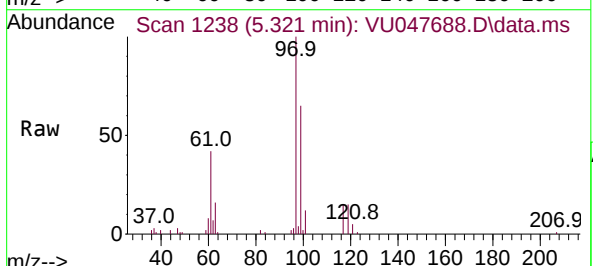
Acq: 25 Mar 2022 21:26

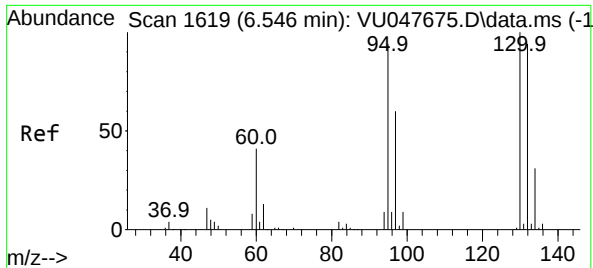
Tgt Ion:117 Resp: 4241

Ion Ratio Lower Upper

117 100

119 97.0 77.2 115.8

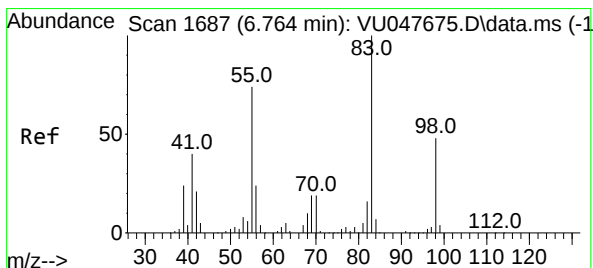
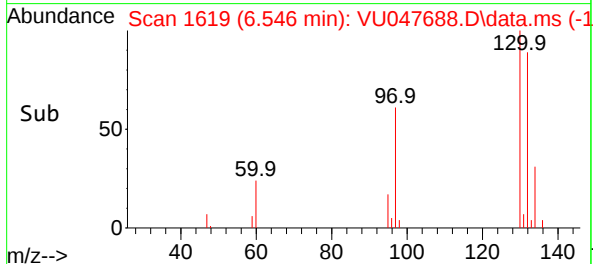
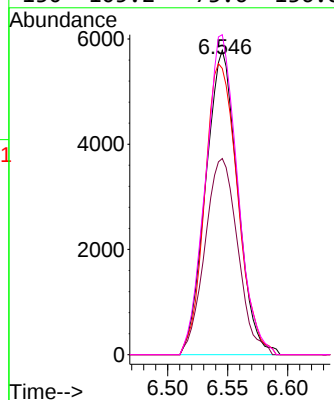
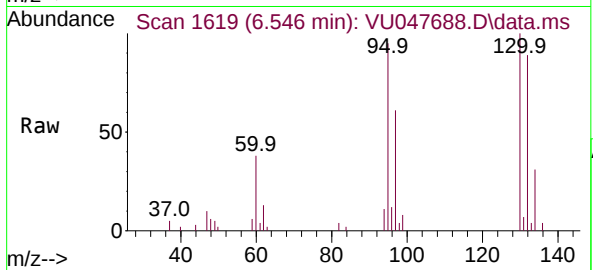




#34
Trichloroethene
Concen: 4.155 ug/L
RT: 6.546 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VU047688.D
Acq: 25 Mar 2022 21:26

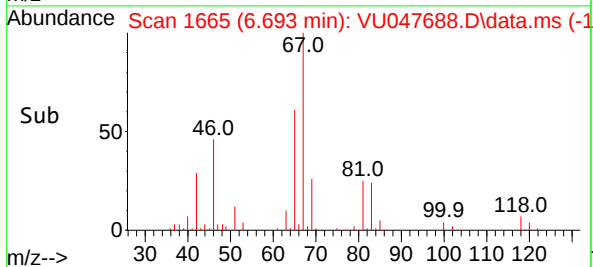
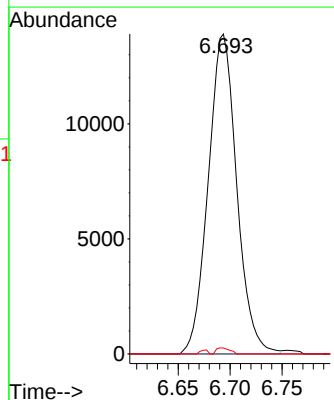
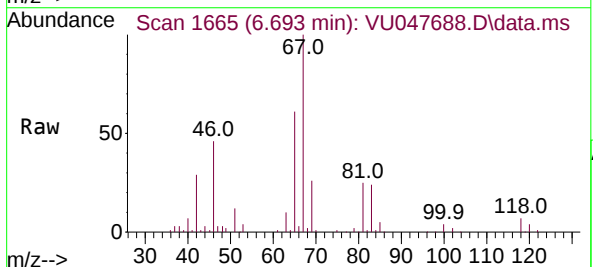
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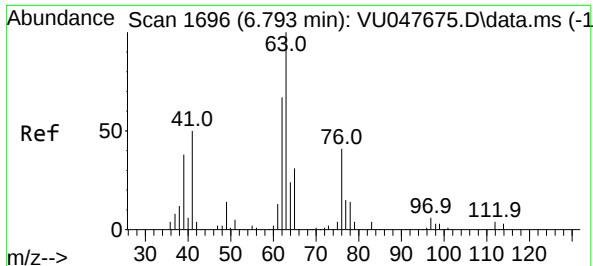
Tgt Ion: 95 Resp: 10684
Ion Ratio Lower Upper
95 100
97 64.5 44.7 82.9
132 94.0 70.4 130.8
130 105.2 73.6 136.8



#35
Methylcyclohexane
Concen: 6.785 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU047688.D
Acq: 25 Mar 2022 21:26

Tgt Ion: 83 Resp: 26538
Ion Ratio Lower Upper
83 100
55 0.0 56.8 85.2#
98 0.9 38.1 57.1#





#37

1,2-Dichloropropane

Concen: 4.723 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047688.D

Acq: 25 Mar 2022 21:26

Instrument :

MSVOA_U

ClientSampleId :

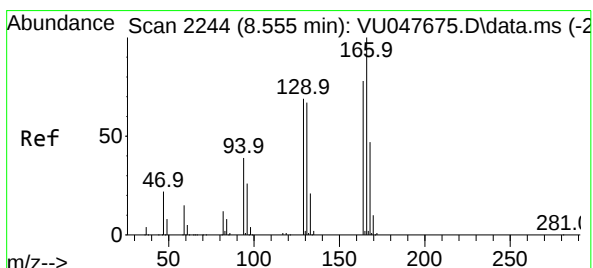
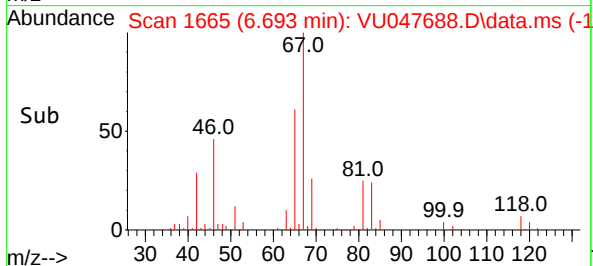
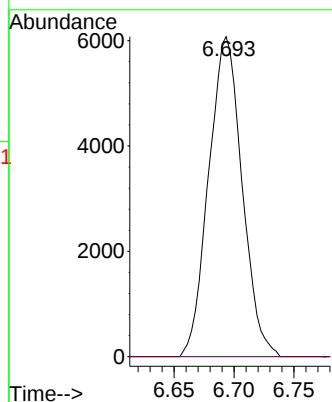
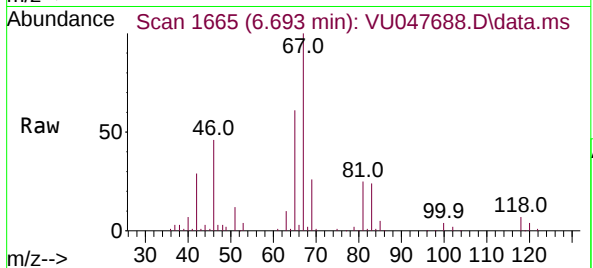
EW605

Tgt Ion: 63 Resp: 11774

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#46

Tetrachloroethene

Concen: 14.079 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047688.D

Acq: 25 Mar 2022 21:26

Tgt Ion: 164 Resp: 32531

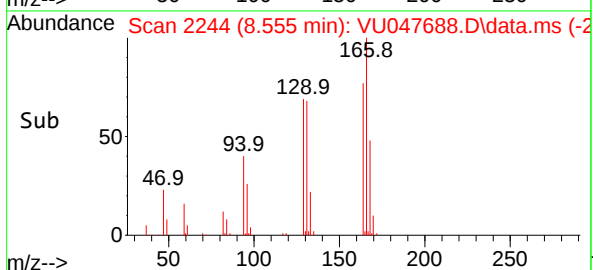
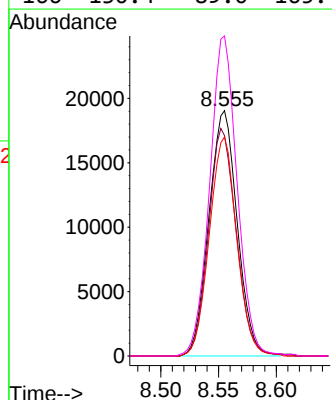
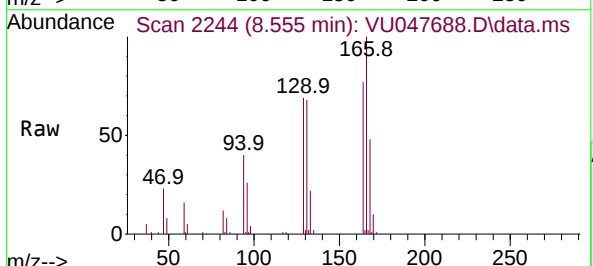
Ion Ratio Lower Upper

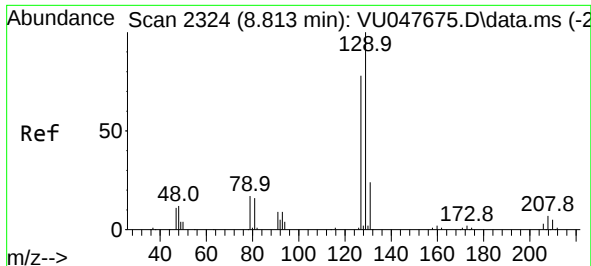
164 100

129 89.8 62.4 116.0

131 89.3 60.7 112.7

166 130.4 89.0 165.4





#49

Dibromochloromethane

Concen: 9.392 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.261 min

Lab File: VU047688.D

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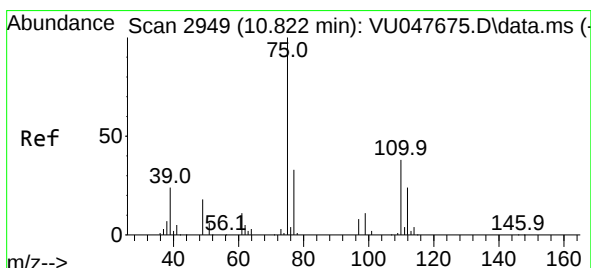
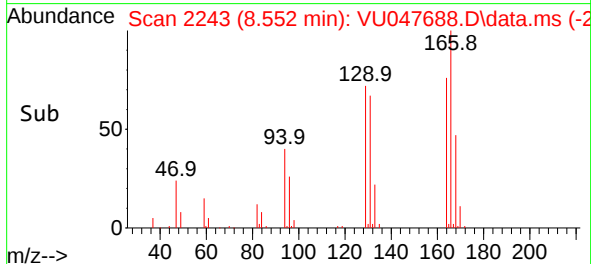
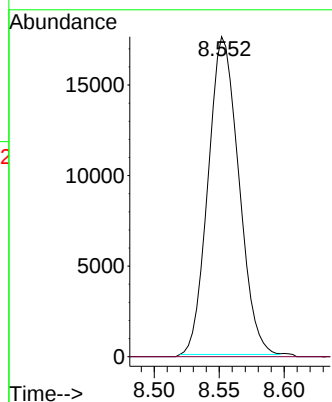
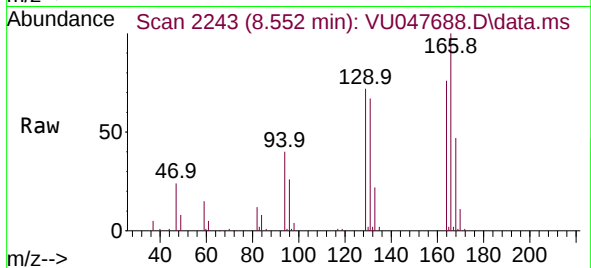
EW605

Tgt Ion:129 Resp: 28764

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#60

1,2,3-Trichloropropane

Concen: 5.654 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU047688.D

Acq: 25 Mar 2022 21:26

Tgt Ion: 75 Resp: 18998

Ion Ratio Lower Upper

75 100

77 33.4 26.0 39.0

110 3.3 31.4 47.2#

