

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047686.D
 Acq On : 25 Mar 2022 20:41
 Operator : SY/MD
 Sample : N2082-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW602

Quant Time: Mar 26 04:23:06 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)

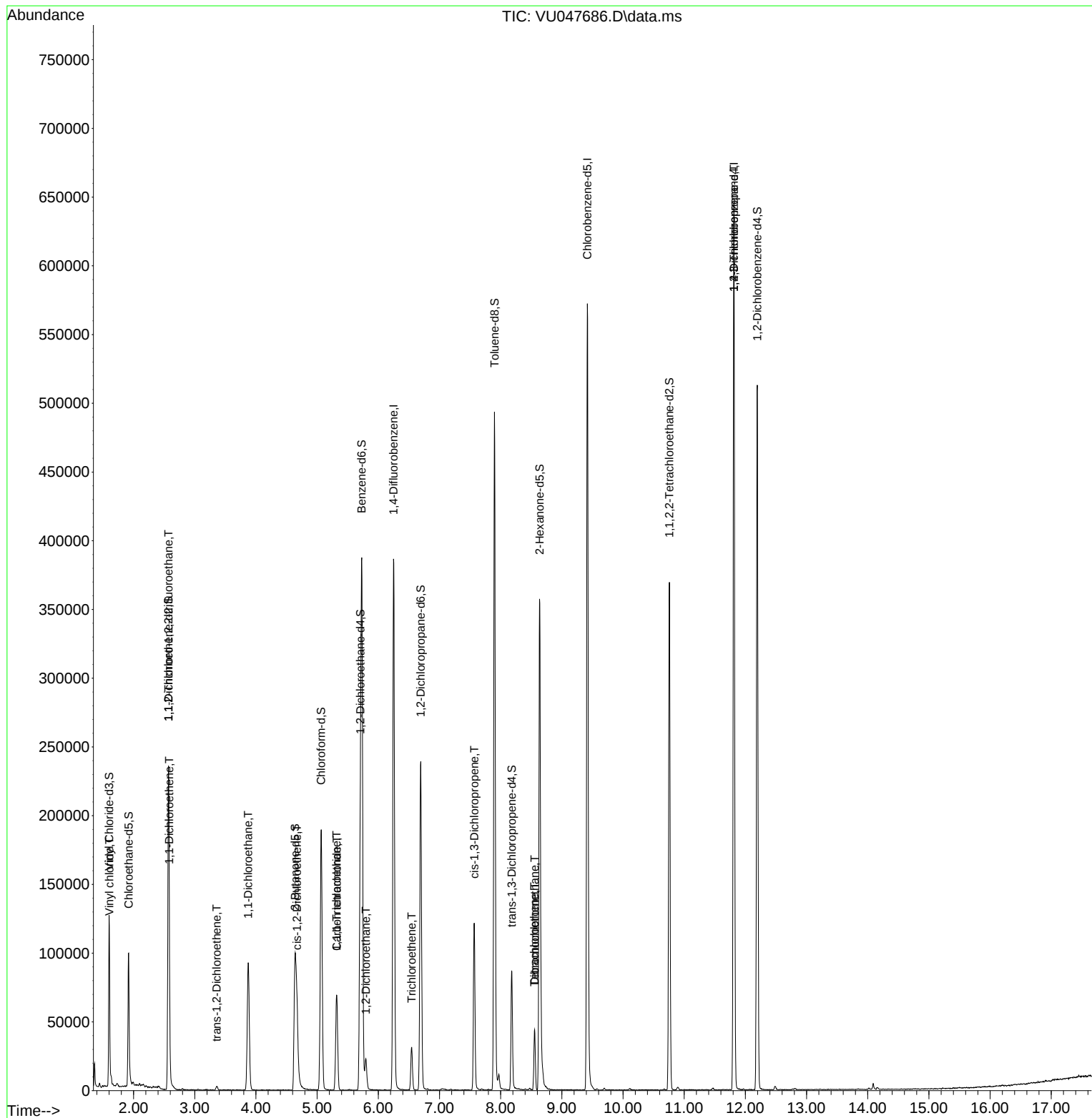
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	328992	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	340278	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	179573	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	88840	37.238	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.480%		
7) Chloroethane-d5	1.919	69	74282	39.487	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.980%		
11) 1,1-Dichloroethene-d2	2.572	63	132637	30.387	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.780%		
21) 2-Butanone-d5	4.639	46	175537	85.723	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.720%		
24) Chloroform-d	5.067	84	176424	40.415	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.840%		
26) 1,2-Dichloroethane-d4	5.706	65	114372	42.719	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.440%		
32) Benzene-d6	5.729	84	357922	41.802	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.600%		
36) 1,2-Dichloropropane-d6	6.694	67	114385	43.499	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.000%		
41) Toluene-d8	7.899	98	335306	40.194	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.380%		
43) trans-1,3-Dichloroprop...	8.182	79	48672	36.535	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.080%		
47) 2-Hexanone-d5	8.636	63	128519	83.489	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.490%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	178968	39.658	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.320%		
66) 1,2-Dichlorobenzene-d4	12.195	152	141841	44.398	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.800%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	1768	0.594	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1167	0.481	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	11947	5.294	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	1221	0.502	ug/L	98
19) 1,1-Dichloroethane	3.874	63	106385	25.342	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	16201	6.071	ug/L	98
27) 1,2-Dichloroethane	5.796	62	17213	4.929	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	50394	13.061	ug/L	98
31) Carbon tetrachloride	5.321	117	6972	2.001	ug/L	95
34) Trichloroethene	6.546	95	10480	4.059	ug/L	96
39) cis-1,3-Dichloropropene	7.568	75	2879	0.741	ug/L #	47
46) Tetrachloroethene	8.552	164	10136	4.368	ug/L	98
49) Dibromochloromethane	8.555	129	9636	3.133	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	19468	5.751	ug/L #	66

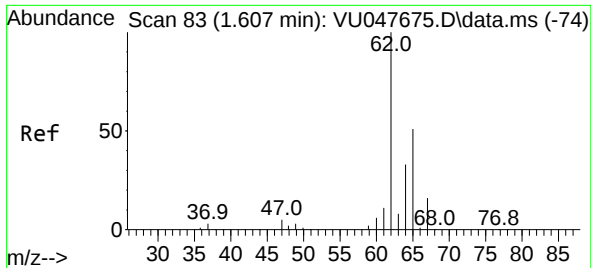
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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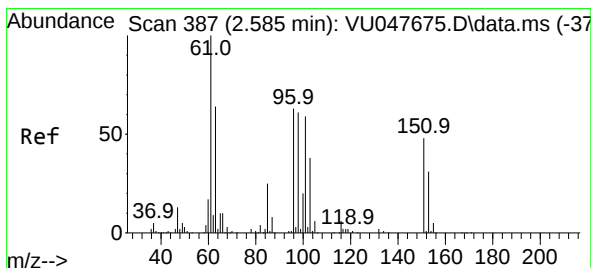
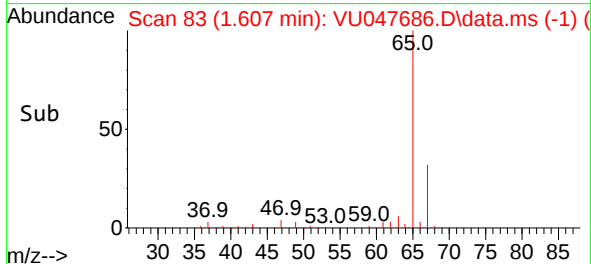
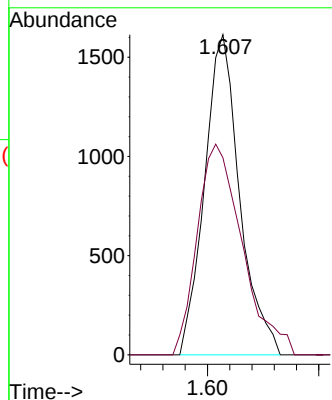
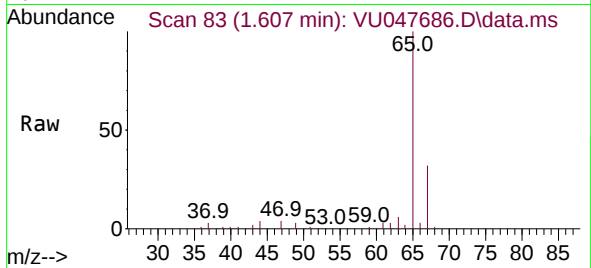




#5
 Vinyl chloride
 Concen: 0.594 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU047686.D
 Acq: 25 Mar 2022 20:41

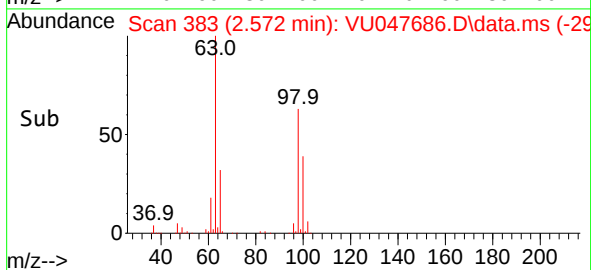
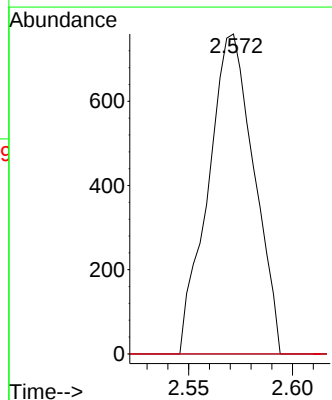
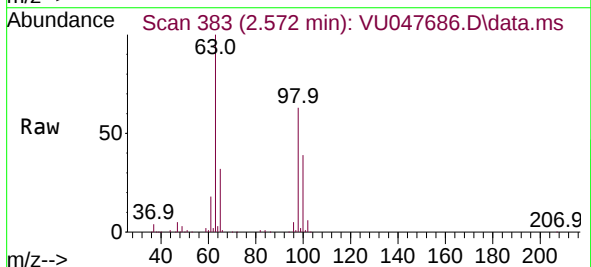
Instrument :
 MSVOA_U
 ClientSampleId :
 EW602

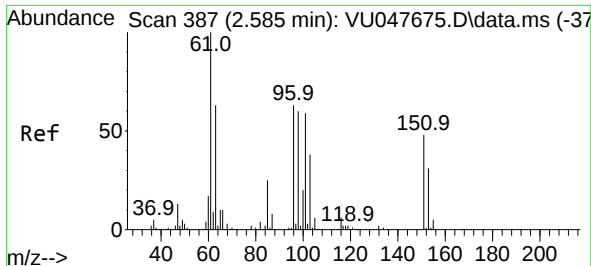
Tgt Ion: 62 Resp: 1768
 Ion Ratio Lower Upper
 62 100
 64 61.6 23.7 43.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.481 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU047686.D
 Acq: 25 Mar 2022 20:41

Tgt Ion: 101 Resp: 1167
 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: 5.294 ug/L

RT: 2.584 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

EW602

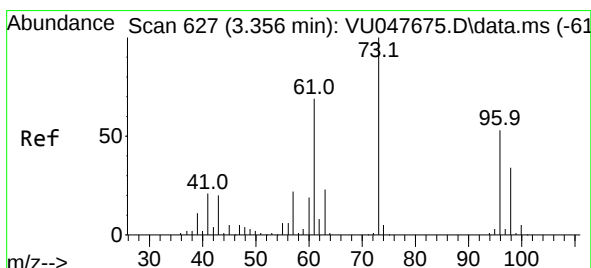
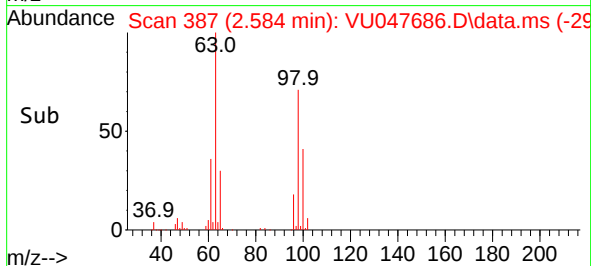
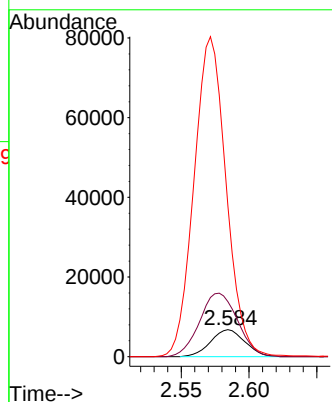
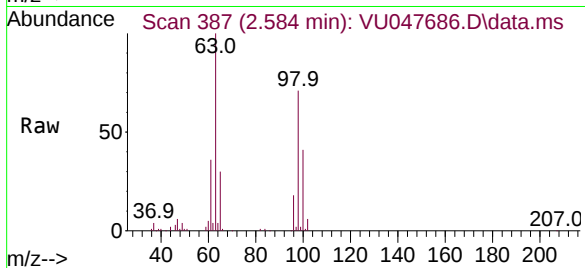
Tgt Ion: 96 Resp: 11947

Ion Ratio Lower Upper

96 100

61 203.4 113.1 210.1

63 557.9 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 0.502 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

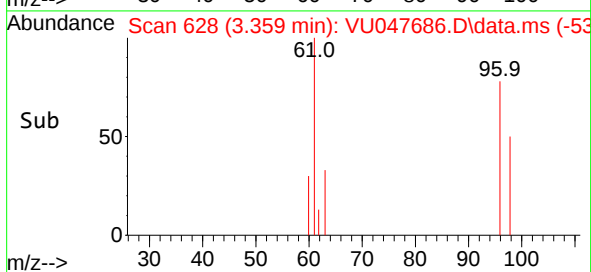
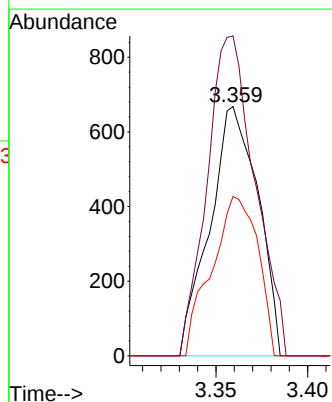
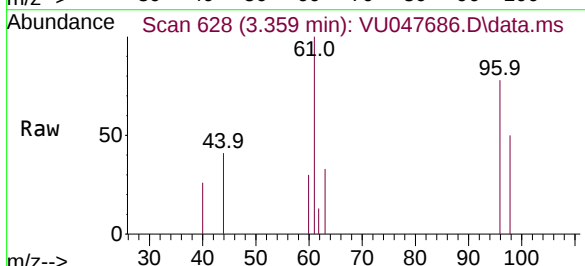
Tgt Ion: 96 Resp: 1221

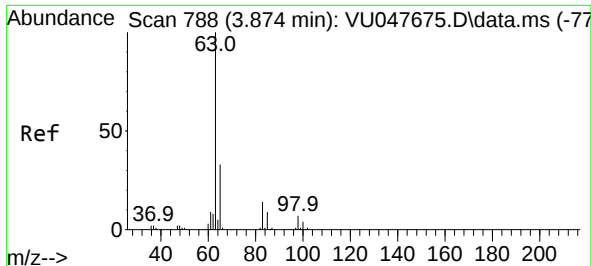
Ion Ratio Lower Upper

96 100

61 128.3 88.4 164.2

98 63.9 43.3 80.5





#19

1,1-Dichloroethane

Concen: 25.342 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

EW602

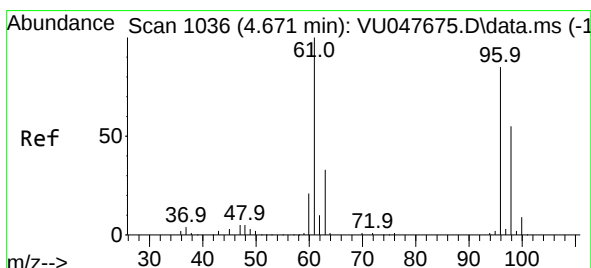
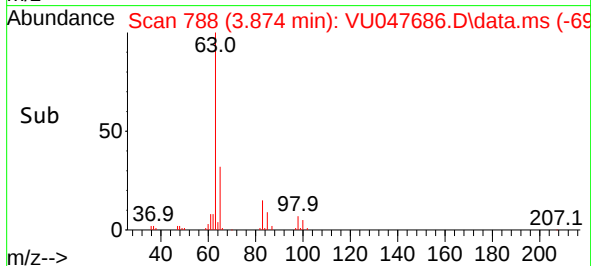
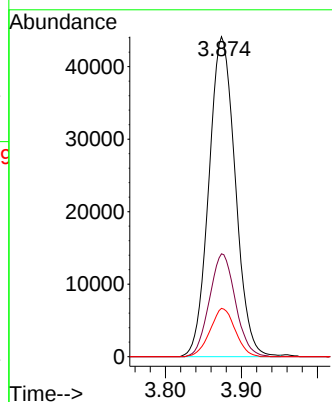
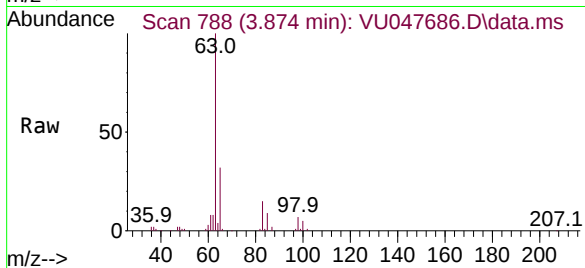
Tgt Ion: 63 Resp: 106385

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 15.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 6.071 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

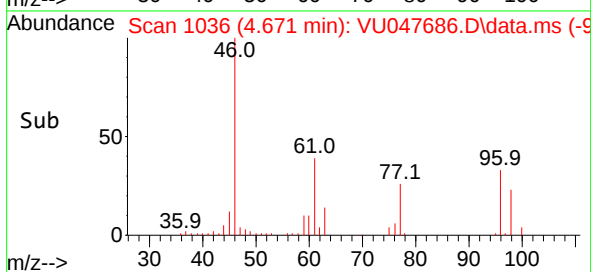
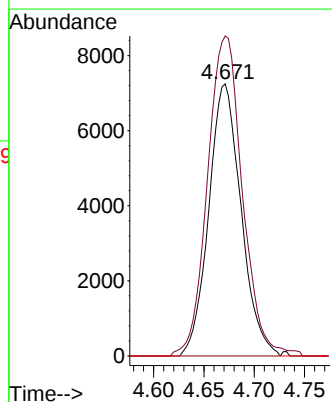
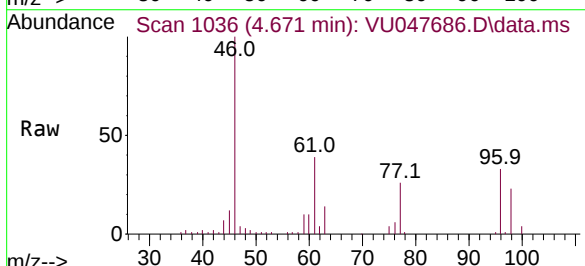
Tgt Ion: 96 Resp: 16201

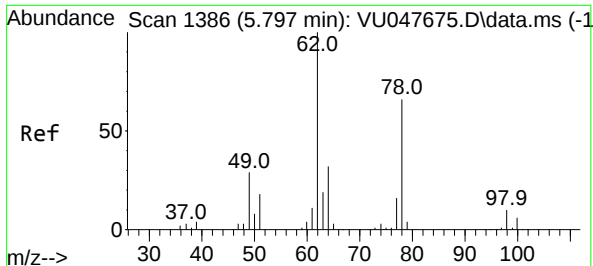
Ion Ratio Lower Upper

96 100

61 117.6 80.7 149.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 4.929 ug/L

RT: 5.796 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

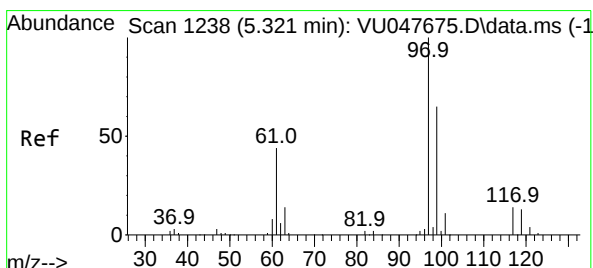
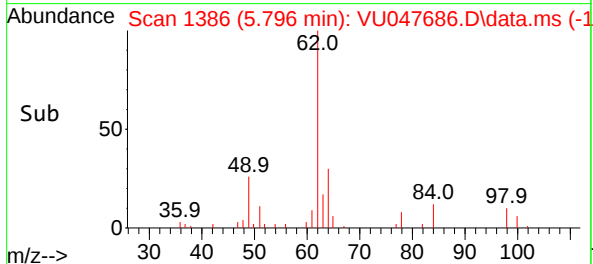
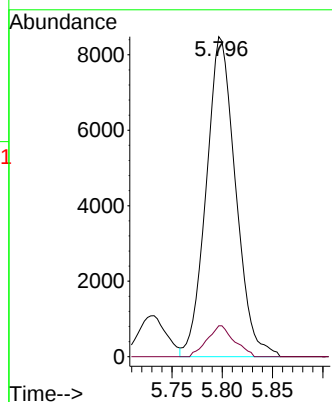
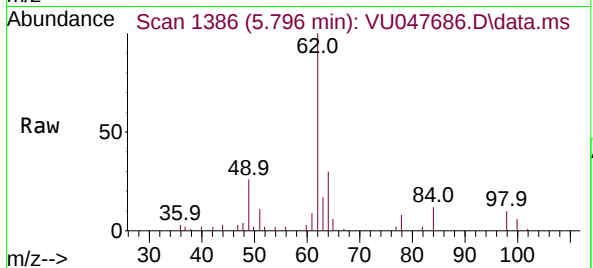
EW602

Tgt Ion: 62 Resp: 17213

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0



#30

1,1,1-Trichloroethane

Concen: 13.061 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

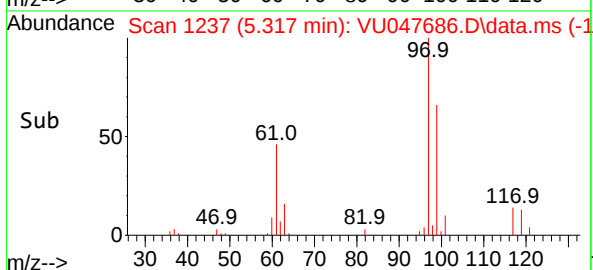
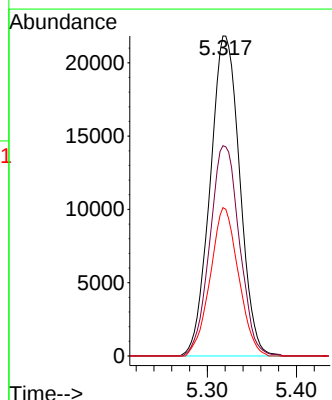
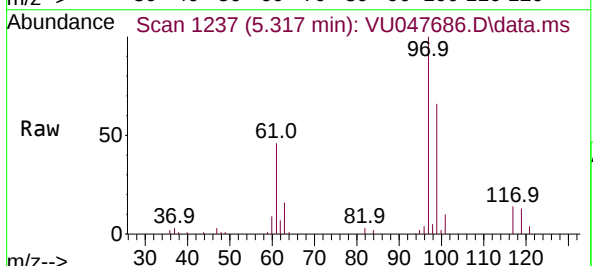
Tgt Ion: 97 Resp: 50394

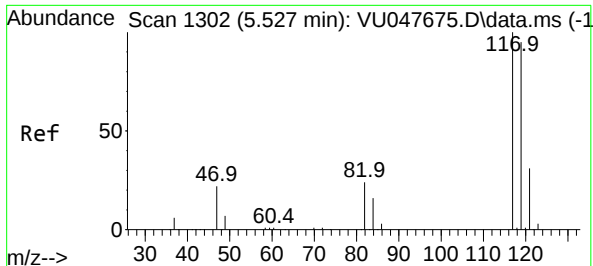
Ion Ratio Lower Upper

97 100

99 65.6 51.6 77.4

61 44.3 34.2 51.4

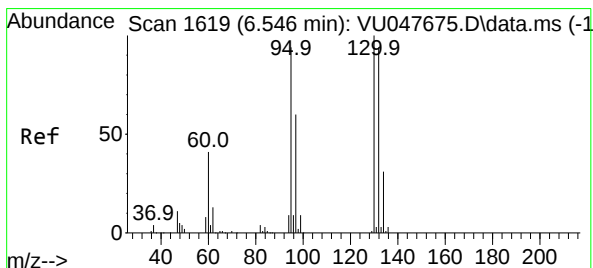
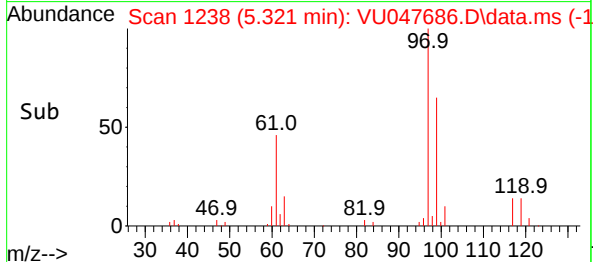
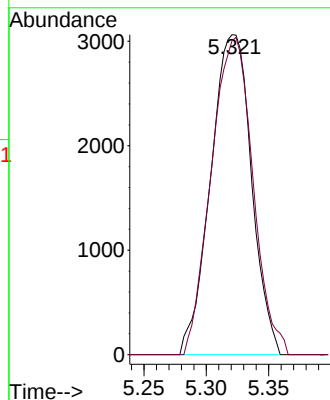
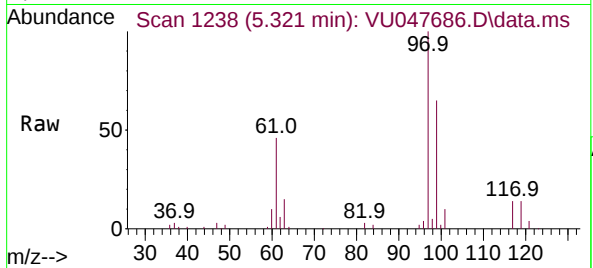




#31
Carbon tetrachloride
Concen: 2.001 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU047686.D
Acq: 25 Mar 2022 20:41

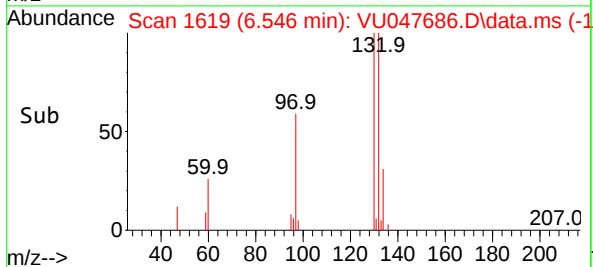
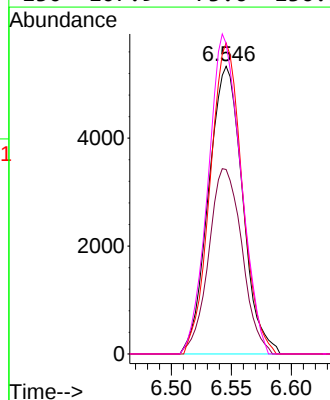
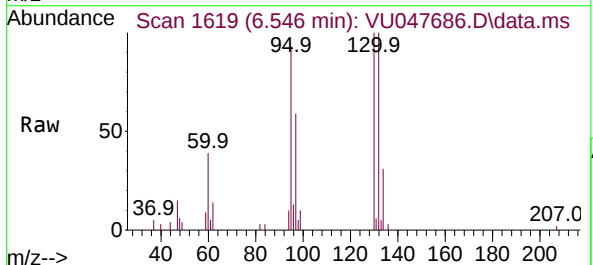
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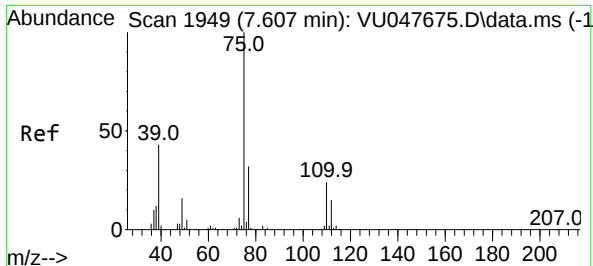
Tgt Ion:117 Resp: 6972
Ion Ratio Lower Upper
117 100
119 100.9 77.2 115.8



#34
Trichloroethene
Concen: 4.059 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047686.D
Acq: 25 Mar 2022 20:41

Tgt Ion: 95 Resp: 10480
Ion Ratio Lower Upper
95 100
97 64.1 44.7 82.9
132 108.1 70.4 130.8
130 107.9 73.6 136.8





#39

cis-1,3-Dichloropropene

Concen: 0.741 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.039 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

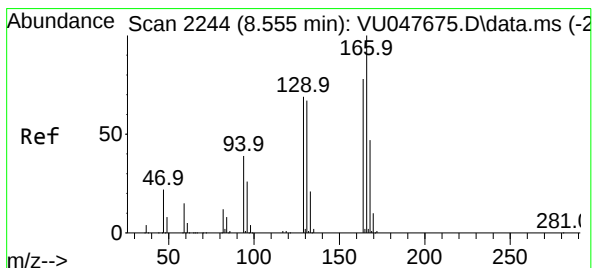
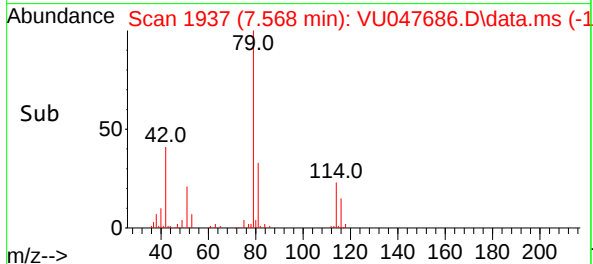
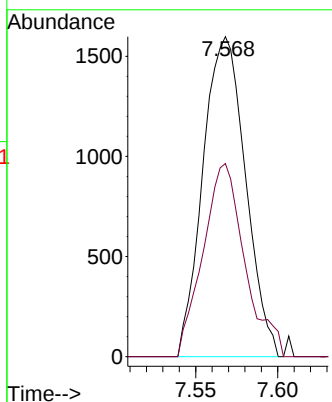
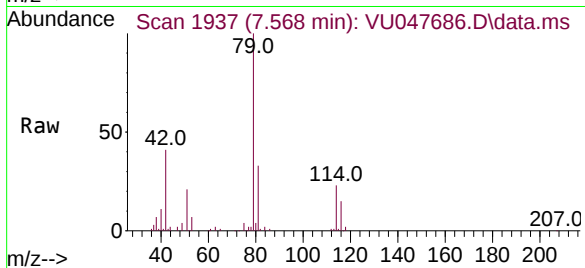
EW602

Tgt Ion: 75 Resp: 2879

Ion Ratio Lower Upper

75 100

77 60.3 21.8 40.6#



#46

Tetrachloroethene

Concen: 4.368 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

Tgt Ion: 164 Resp: 10136

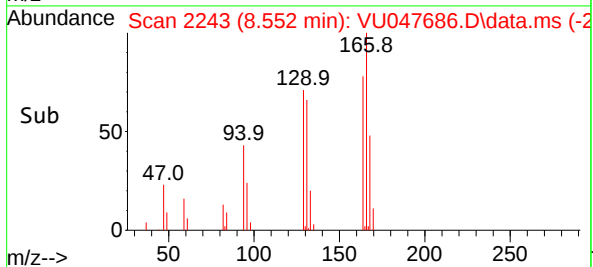
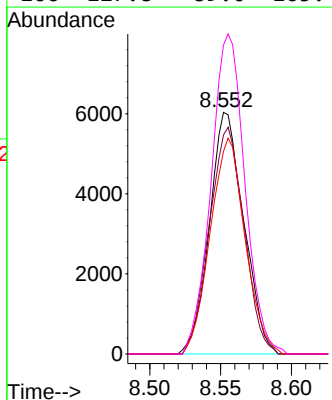
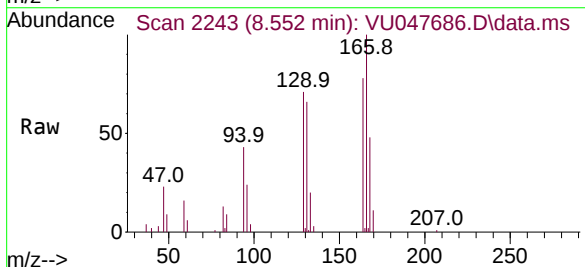
Ion Ratio Lower Upper

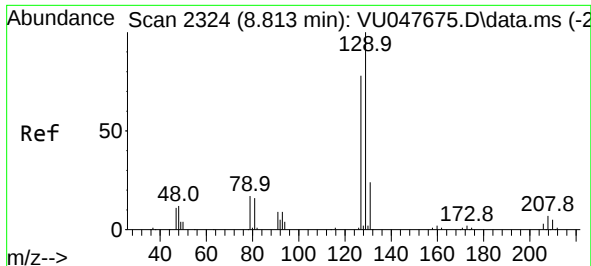
164 100

129 90.7 62.4 116.0

131 83.8 60.7 112.7

166 127.8 89.0 165.4





#49

Dibromochloromethane

Concen: 3.133 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

Instrument :

MSVOA_U

ClientSampleId :

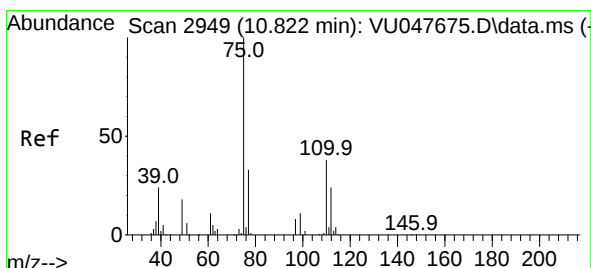
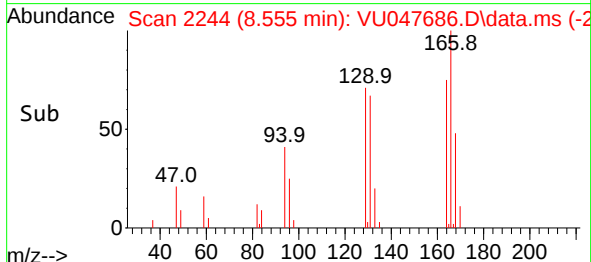
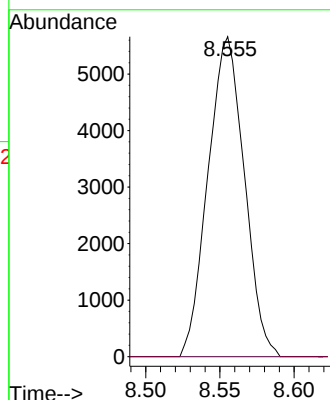
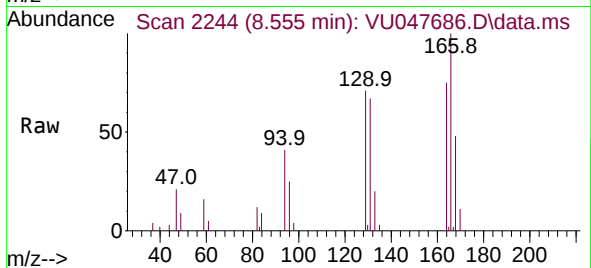
EW602

Tgt Ion:129 Resp: 9636

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#60

1,2,3-Trichloropropane

Concen: 5.751 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU047686.D

Acq: 25 Mar 2022 20:41

Tgt Ion: 75 Resp: 19468

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0

110 1.2 31.4 47.2#

