

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047670.D
 Acq On : 25 Mar 2022 13:52
 Operator : SY/MD
 Sample : N2081-03DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2DL

Quant Time: Mar 26 02:08:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:04:39 2022
 Response via : Initial Calibration

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

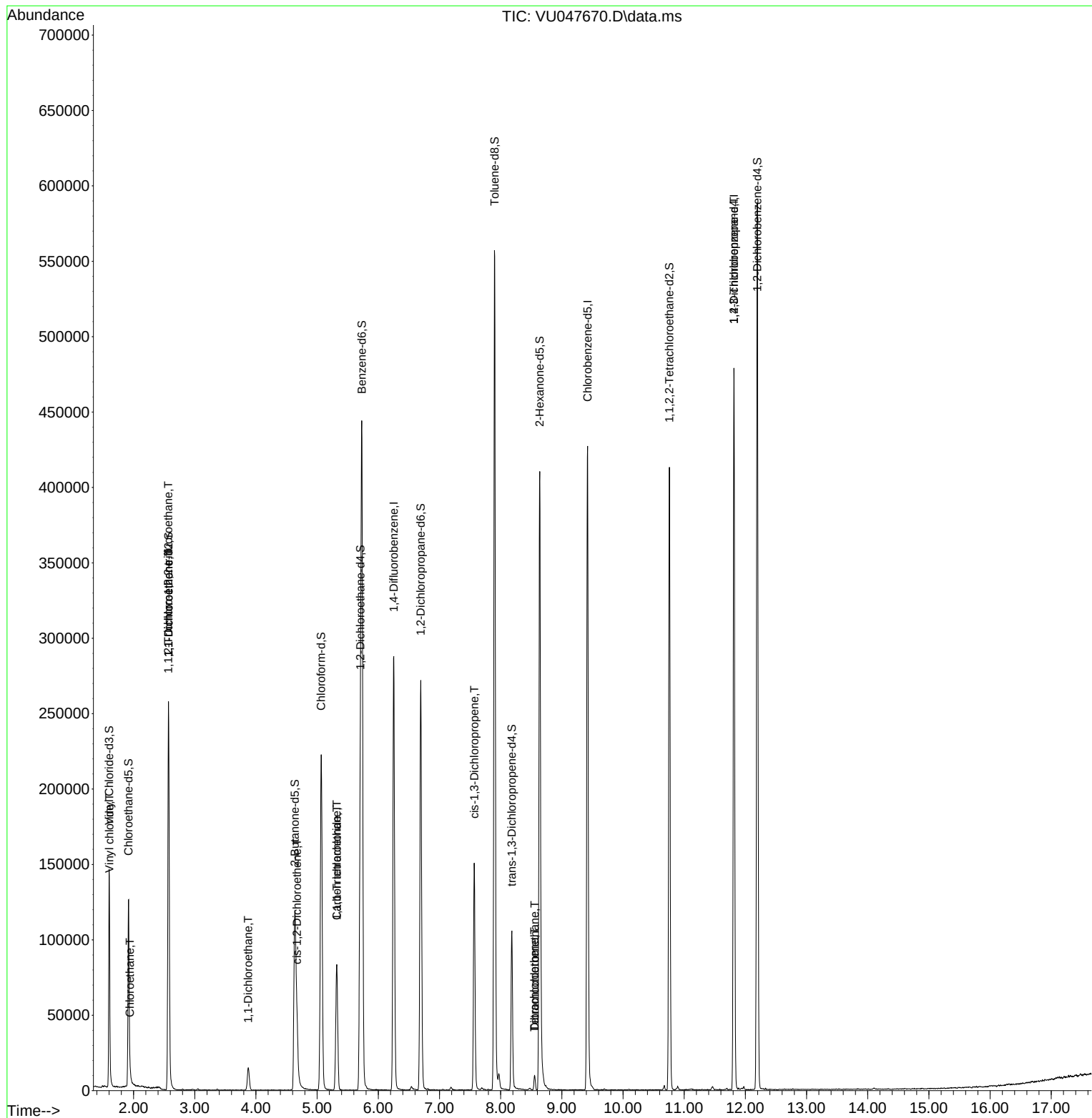
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	244650	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	250759	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	136433	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	107142	60.392	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 120.780%	
7) Chloroethane-d5	1.916	69	95125	68.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 136.000%#	
11) 1,1-Dichloroethene-d2	2.572	63	147784	45.530	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 91.060%	
21) 2-Butanone-d5	4.636	46	201452	132.294	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 132.290%#	
24) Chloroform-d	5.067	84	197838	60.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 121.900%	
26) 1,2-Dichloroethane-d4	5.707	65	129288	64.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 129.880%#	
32) Benzene-d6	5.732	84	411737	65.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 130.500%#	
36) 1,2-Dichloropropane-d6	6.694	67	129332	66.742	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 133.480%#	
41) Toluene-d8	7.899	98	376772	61.288	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 122.580%#	
43) trans-1,3-Dichloroprop...	8.182	79	61256	62.396	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 124.800%	
47) 2-Hexanone-d5	8.639	63	148331	130.759	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 130.760%#	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	201018	60.446	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 120.900%#	
66) 1,2-Dichlorobenzene-d4	12.195	152	162801	67.072	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 134.140%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	1341	0.606	ug/L #	1
8) Chloroethane	1.941	64	3222	2.320	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1360	0.754	ug/L #	18
12) 1,1-Dichloroethene	2.572	96	1795	1.070	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	17490	5.603	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	11742	5.917	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	60027	21.111	ug/L	98
31) Carbon tetrachloride	5.321	117	8072	3.144	ug/L	97
39) cis-1,3-Dichloropropene	7.568	75	3643	1.272	ug/L #	67
46) Tetrachloroethene	8.552	164	2512	1.469	ug/L	89
49) Dibromochloromethane	8.555	129	2217	0.978	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	14631	5.689	ug/L #	67

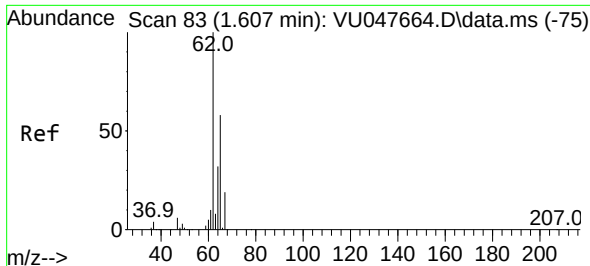
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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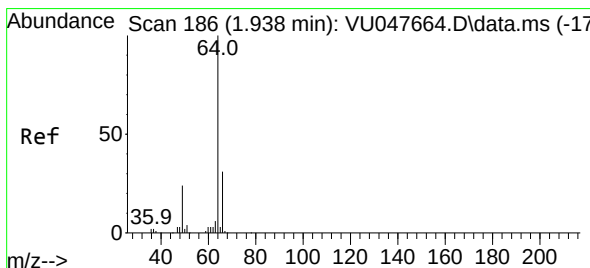
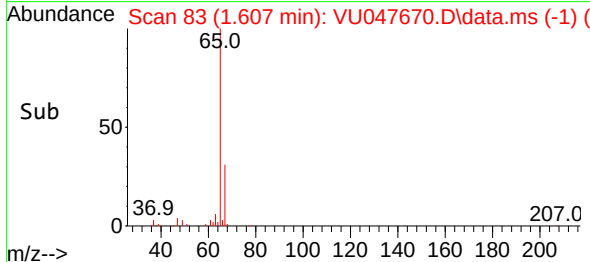
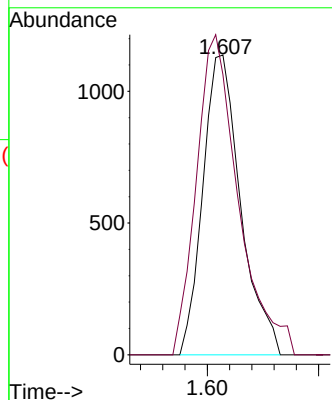
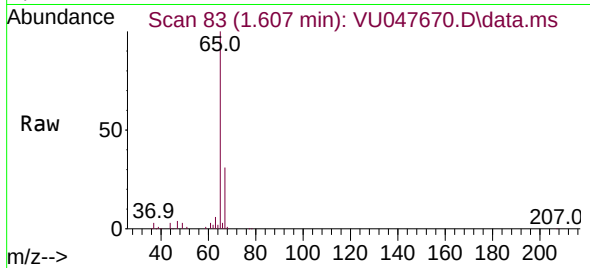




#5
 Vinyl chloride
 Concen: 0.606 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047670.D
 Acq: 25 Mar 2022 13:52

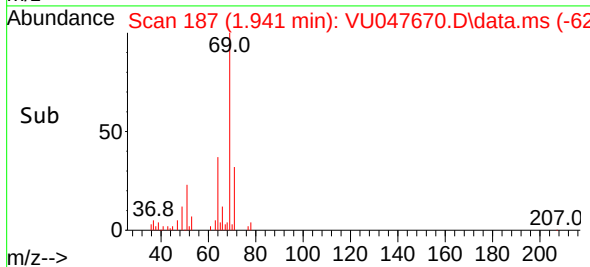
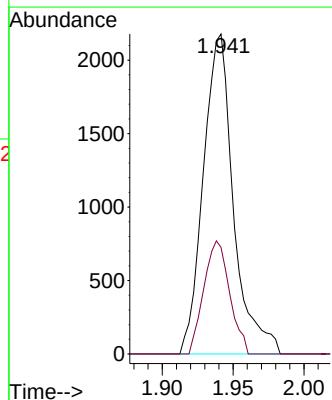
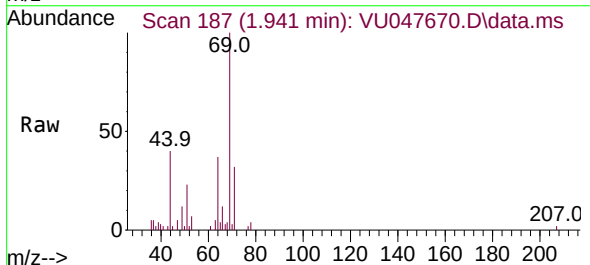
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2DL

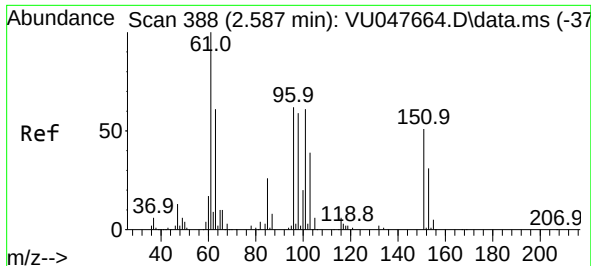
Tgt Ion: 62 Resp: 1341
 Ion Ratio Lower Upper
 62 100
 64 93.5 23.7 43.9#



#8
 Chloroethane
 Concen: 2.320 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU047670.D
 Acq: 25 Mar 2022 13:52

Tgt Ion: 64 Resp: 3222
 Ion Ratio Lower Upper
 64 100
 66 33.3 23.3 43.3





#10

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

Concen: 0.754 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.019 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_U

ClientSampleId :

EW5X2DL

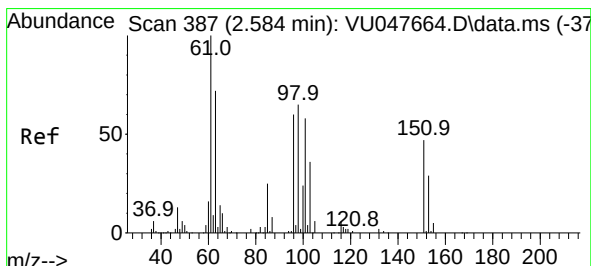
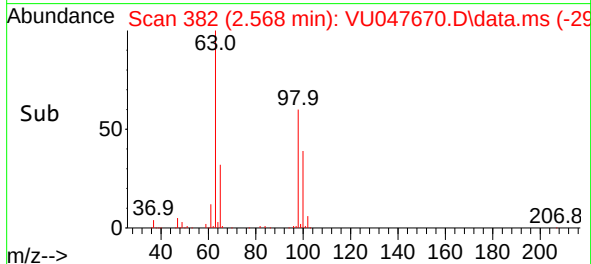
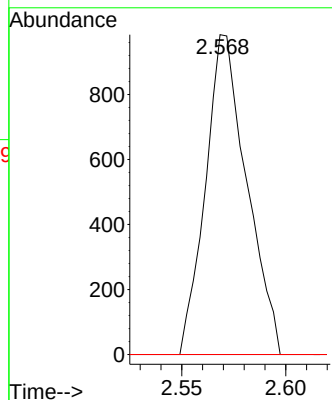
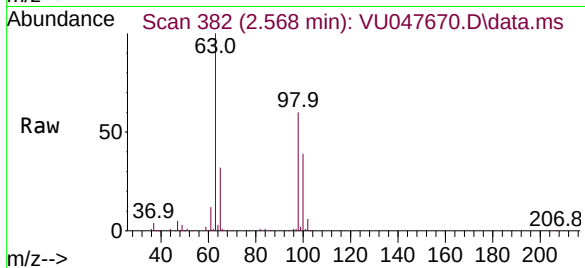
Tgt Ion:101 Resp: 1360

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: 1.070 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.013 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

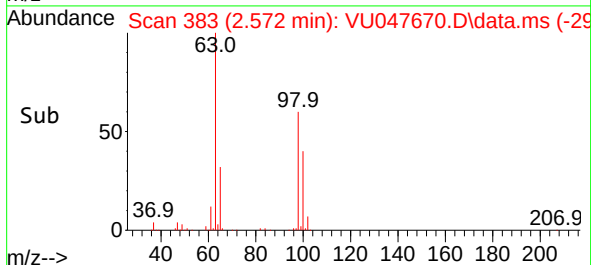
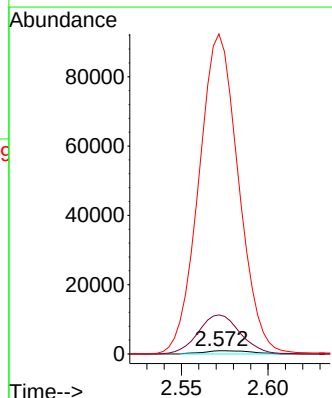
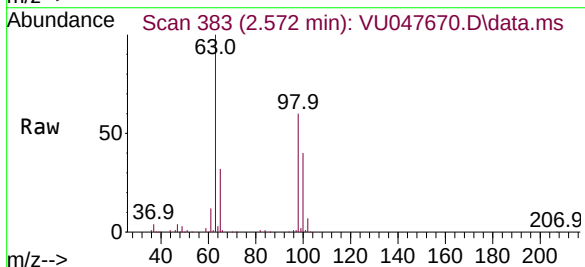
Tgt Ion: 96 Resp: 1795

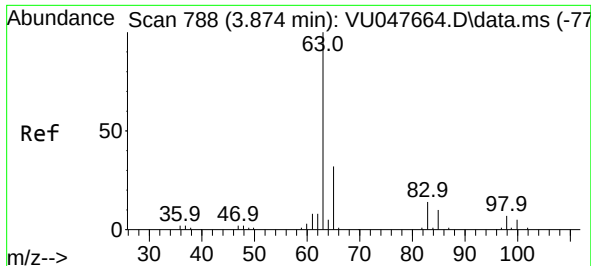
Ion Ratio Lower Upper

96 100

61 1207.6 113.1 210.1#

63 9899.2 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 5.603 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_U

ClientSampleId :

EW5X2DL

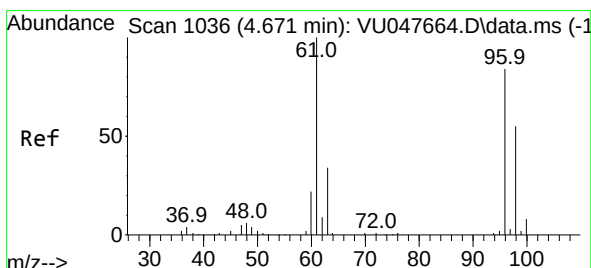
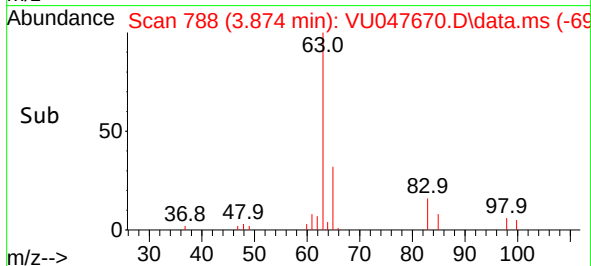
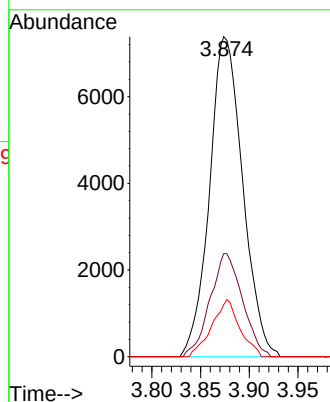
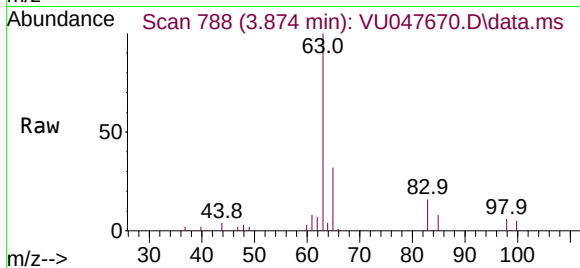
Tgt Ion: 63 Resp: 17490

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 16.2 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 5.917 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

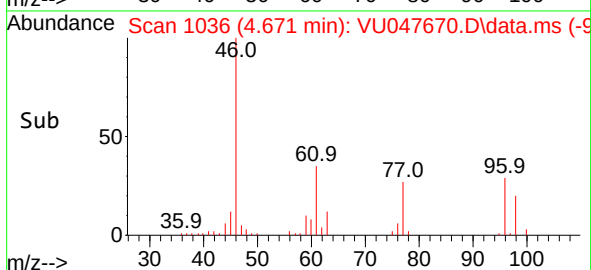
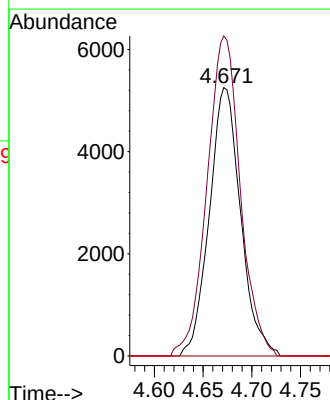
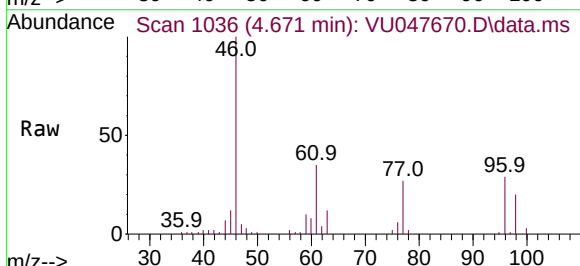
Tgt Ion: 96 Resp: 11742

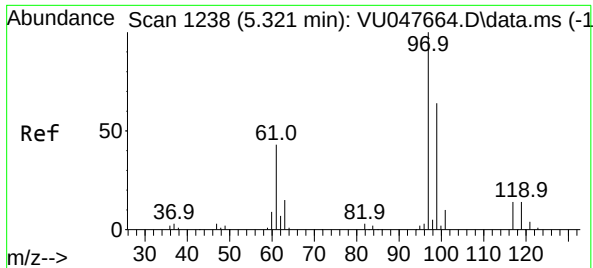
Ion Ratio Lower Upper

96 100

61 119.3 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 21.111 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_U

ClientSampleId :

EW5X2DL

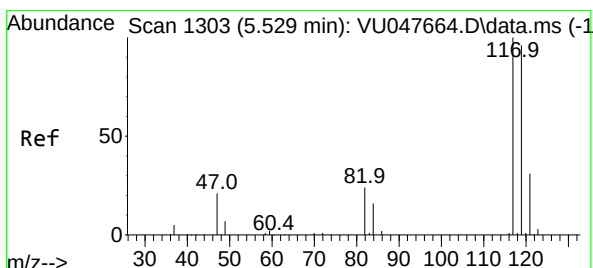
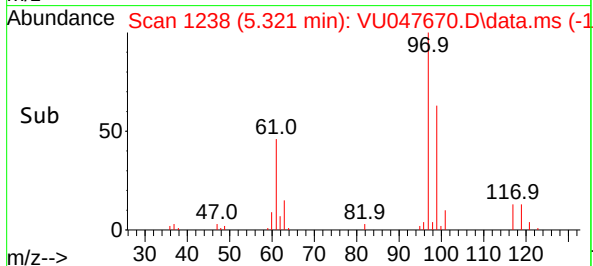
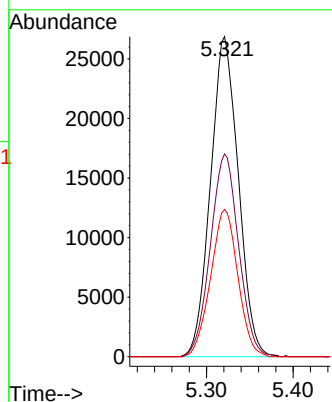
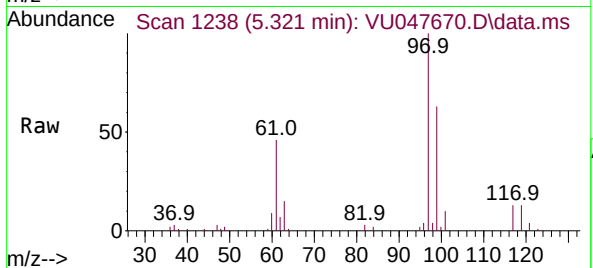
Tgt Ion: 97 Resp: 60027

Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 45.1 34.2 51.4



#31

Carbon tetrachloride

Concen: 3.144 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047670.D

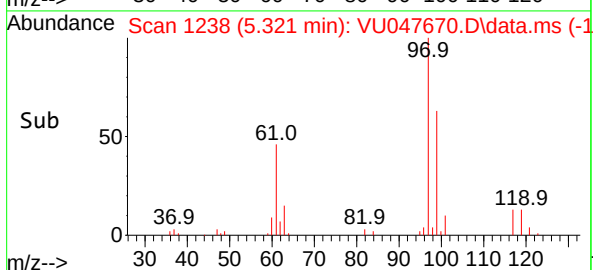
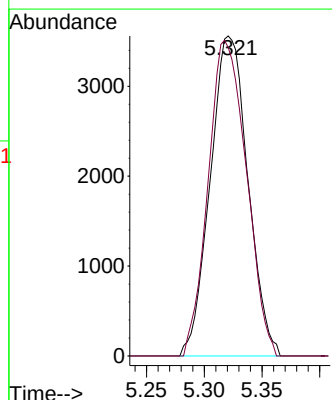
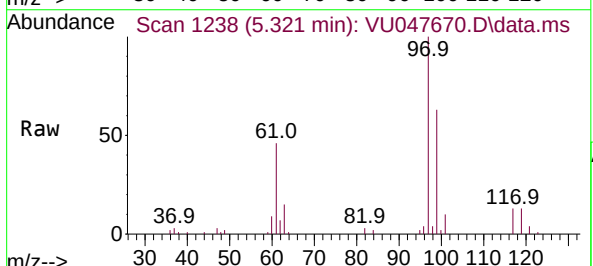
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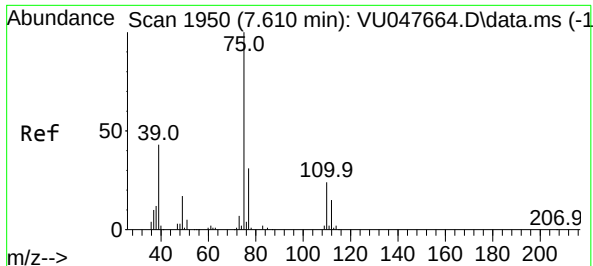
Tgt Ion: 117 Resp: 8072

Ion Ratio Lower Upper

117 100

119 99.8 77.2 115.8





#39

cis-1,3-Dichloropropene

Concen: 1.272 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_U

ClientSampleId :

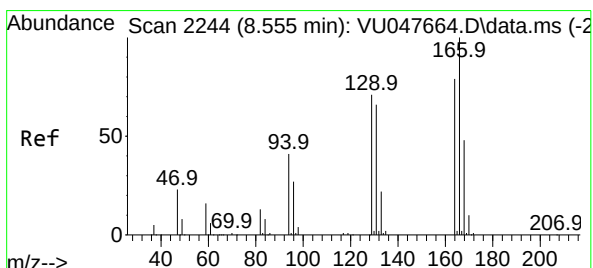
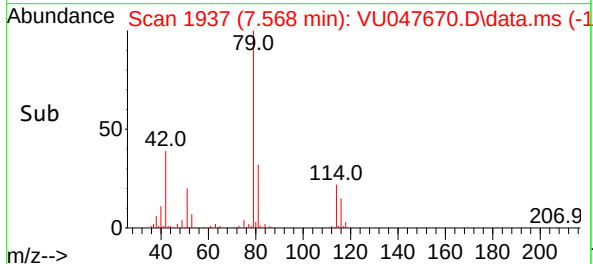
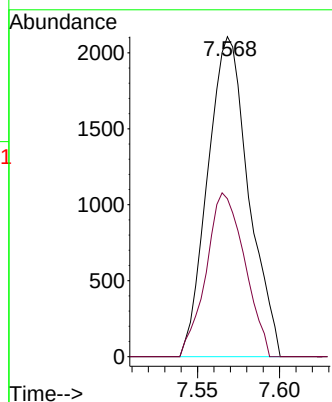
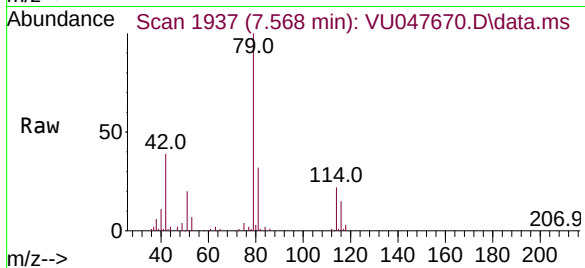
EW5X2DL

Tgt Ion: 75 Resp: 3643

Ion Ratio Lower Upper

75 100

77 49.3 21.8 40.6#



#46

Tetrachloroethene

Concen: 1.469 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

Tgt Ion: 164 Resp: 2512

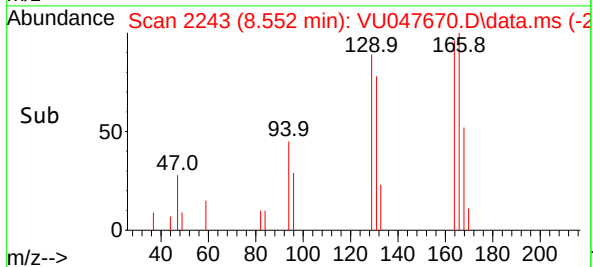
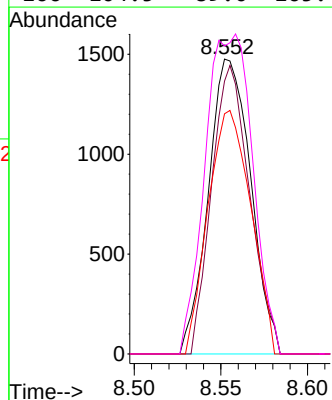
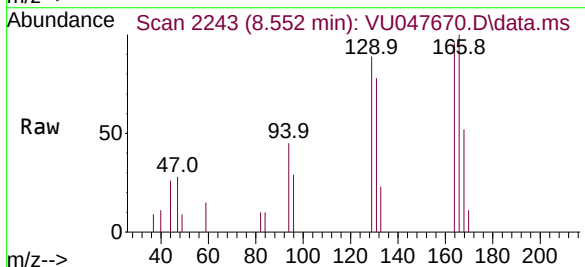
Ion Ratio Lower Upper

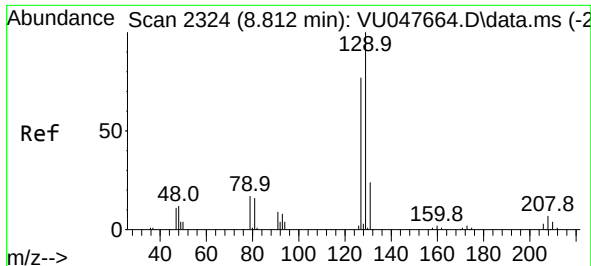
164 100

129 92.5 62.4 116.0

131 81.4 60.7 112.7

166 104.5 89.0 165.4





#49

Dibromochloromethane

Concen: 0.978 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

Instrument :

MSVOA_U

ClientSampleId :

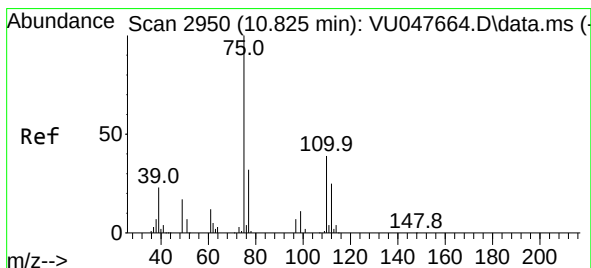
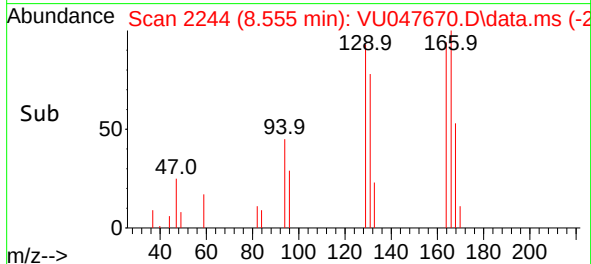
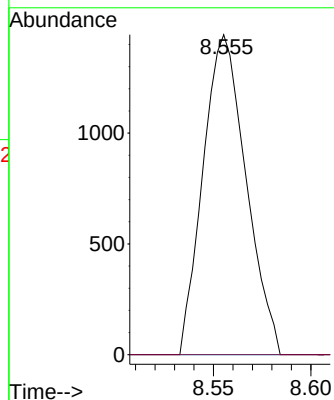
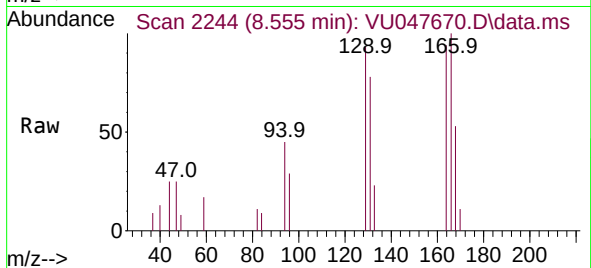
EW5X2DL

Tgt Ion:129 Resp: 2217

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#60

1,2,3-Trichloropropane

Concen: 5.689 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047670.D

Acq: 25 Mar 2022 13:52

Tgt Ion: 75 Resp: 14631

Ion Ratio Lower Upper

75 100

77 33.4 26.0 39.0

110 2.9 31.4 47.2#

