

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047700.D
 Acq On : 26 Mar 2022 11:56
 Operator : SY/MD
 Sample : N2082-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW617

Quant Time: Mar 28 05:06:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 28 05:05:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	213280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	220423	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	121400	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	112778	72.918	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	145.840%#
7) Chloroethane-d5	1.919	69	98901	81.098	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	162.200%#
11) 1,1-Dichloroethene-d2	2.572	63	161167	56.956	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.920%
21) 2-Butanone-d5	4.636	46	260719	196.397	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	196.400%#
24) Chloroform-d	5.067	84	236009	83.398	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	166.800%#
26) 1,2-Dichloroethane-d4	5.707	65	154036	88.748	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	177.500%#
32) Benzene-d6	5.729	84	475419	85.716	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	171.440%#
36) 1,2-Dichloropropane-d6	6.694	67	153666	90.213	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	180.420%#
41) Toluene-d8	7.899	98	435670	80.622	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	161.240%#
43) trans-1,3-Dichloroprop...	8.179	79	71378	82.713	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	165.420%#
47) 2-Hexanone-d5	8.636	63	191242	191.788	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	191.790%#
56) 1,1,2,2-Tetrachloroeth...	10.758	84	250388	85.653	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	171.300%#
66) 1,2-Dichlorobenzene-d4	12.195	152	191445	88.639	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	177.280%#

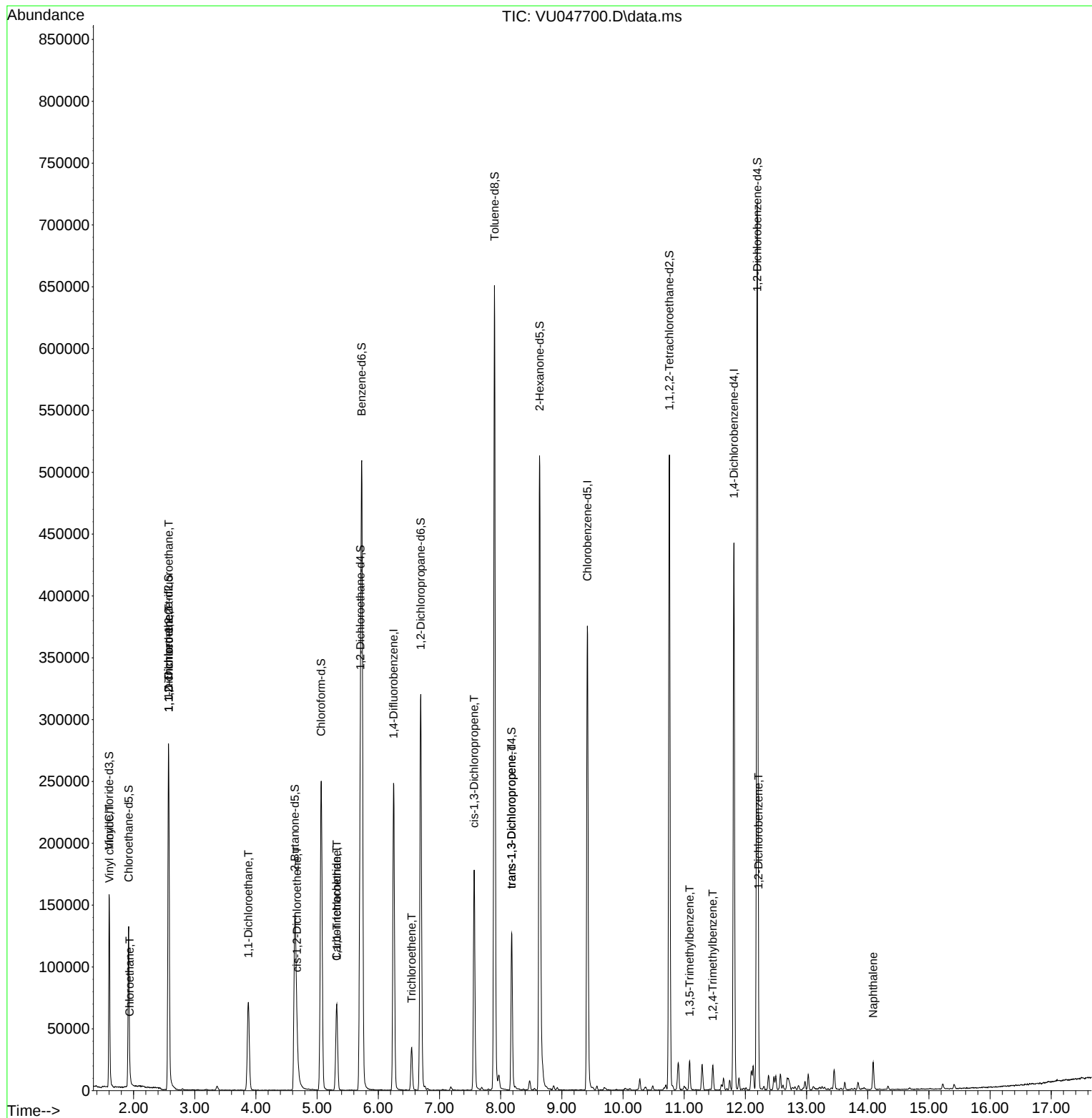
Target Compounds			Qvalue			
5) Vinyl chloride	1.607	62	3442	1.785	ug/L #	46
8) Chloroethane	1.938	64	2771	2.289	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1526	0.971	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	1362	0.931	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	81573	29.974	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	3949	2.283	ug/L	91
30) 1,1,1-Trichloroethane	5.321	97	50492	20.202	ug/L	98
31) Carbon tetrachloride	5.317	117	6529	2.893	ug/L	97
34) Trichloroethene	6.546	95	11415	6.824	ug/L	96
39) cis-1,3-Dichloropropene	7.565	75	4051	1.610	ug/L #	47
44) trans-1,3-Dichloropropene	8.179	75	3330	1.325	ug/L #	76
62) 1,3,5-Trimethylbenzene	11.089	105	13509	3.795	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	10728	1.984	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	2742	0.751	ug/L #	83
71) Naphthalene	14.089	128	18934	2.448	ug/L	99

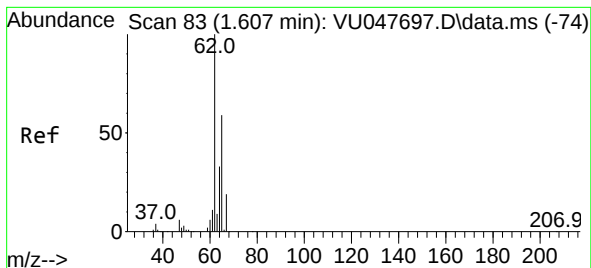
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.785 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU047700.D

Acq: 26 Mar 2022 11:56

Instrument :

MSVOA_U

ClientSampleId :

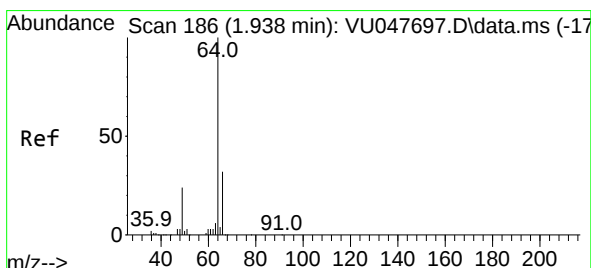
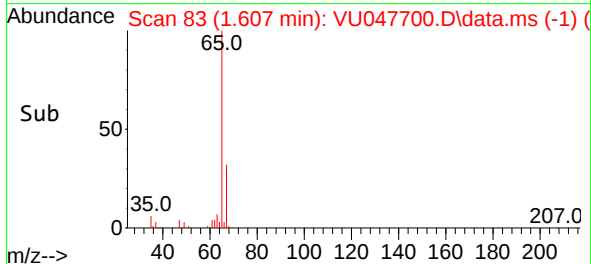
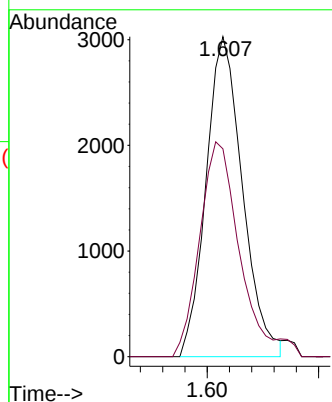
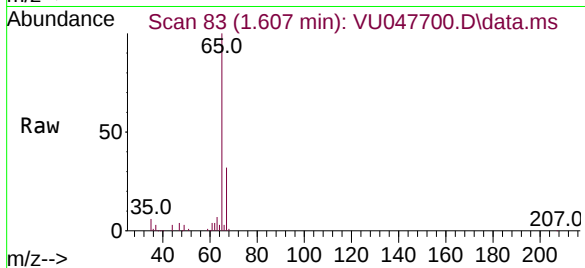
EW617

Tgt Ion: 62 Resp: 3442

Ion Ratio Lower Upper

62 100

64 64.9 23.7 43.9#



#8

Chloroethane

Concen: 2.289 ug/L

RT: 1.938 min Scan# 186

Delta R.T. 0.000 min

Lab File: VU047700.D

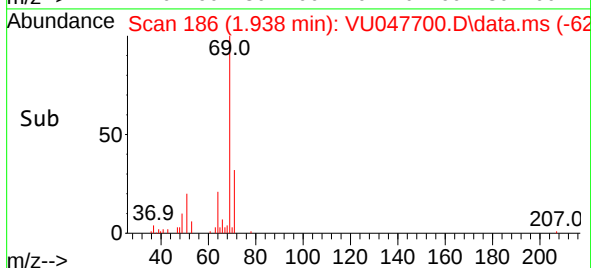
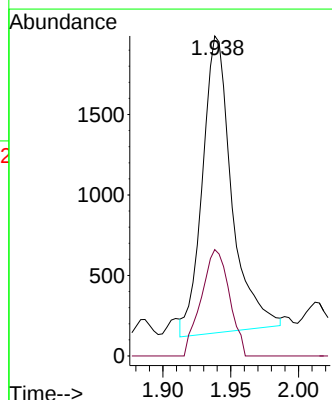
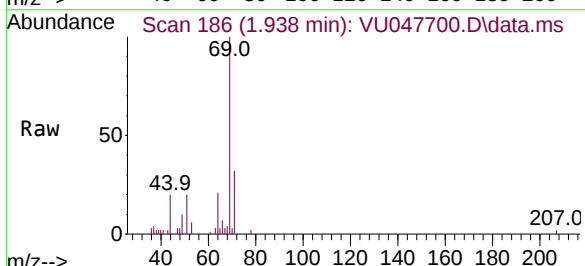
Acq: 26 Mar 2022 11:56

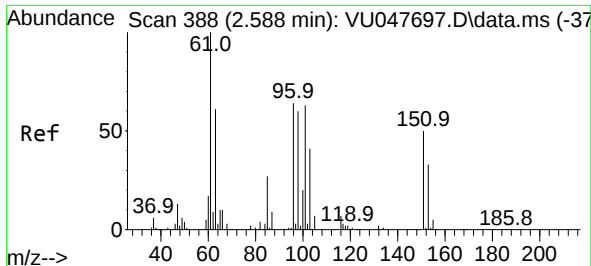
Tgt Ion: 64 Resp: 2771

Ion Ratio Lower Upper

64 100

66 33.2 23.3 43.3

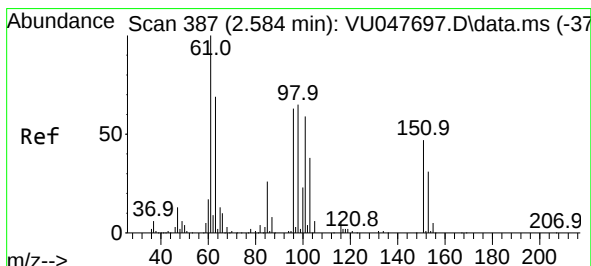
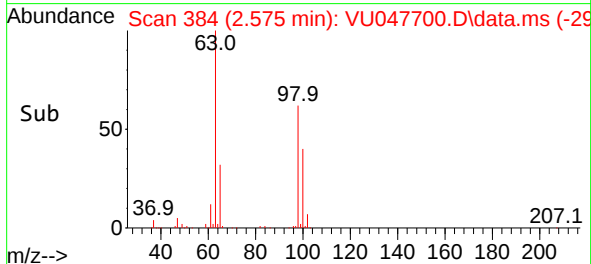
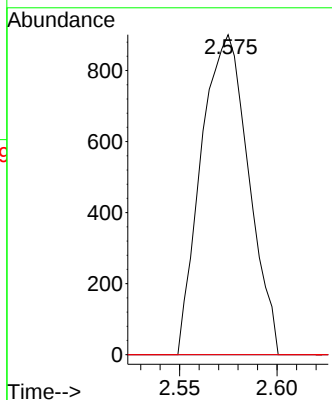
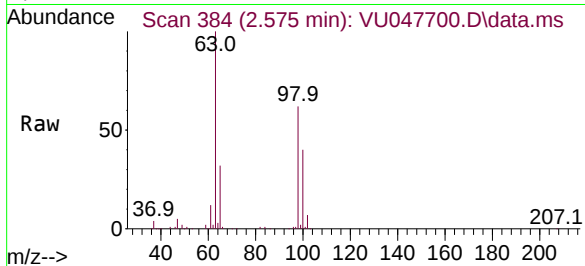




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.971 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU047700.D
 Acq: 26 Mar 2022 11:56

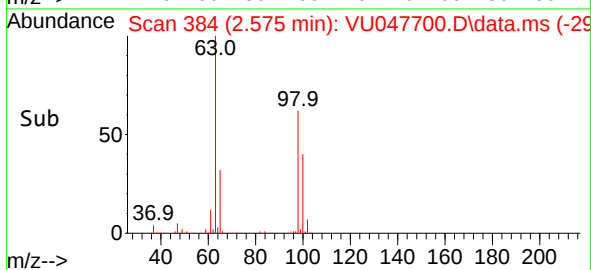
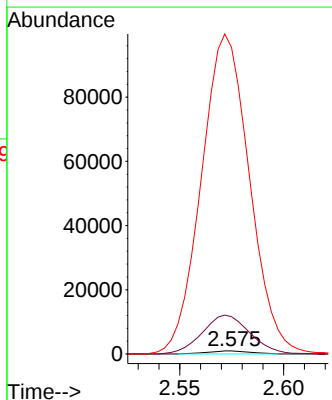
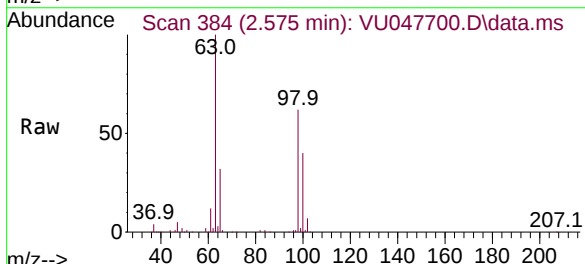
Instrument :
 MSVOA_U
 ClientSampleId :
 EW617

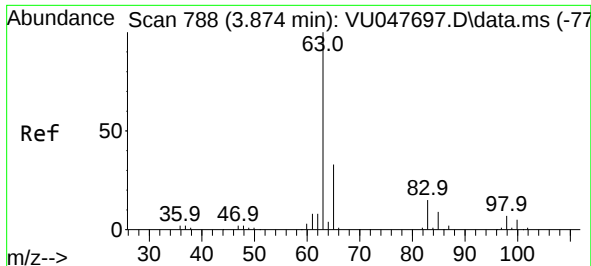
Tgt Ion:101 Resp: 1526
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.931 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU047700.D
 Acq: 26 Mar 2022 11:56

Tgt Ion: 96 Resp: 1362
 Ion Ratio Lower Upper
 96 100
 61 1199.8 113.1 210.1#
 63 9869.4 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 29.974 ug/L

RT: 3.877 min Scan# 788

Delta R.T. 0.003 min

Lab File: VU047700.D

Acq: 26 Mar 2022 11:56

Instrument :

MSVOA_U

ClientSampleId :

EW617

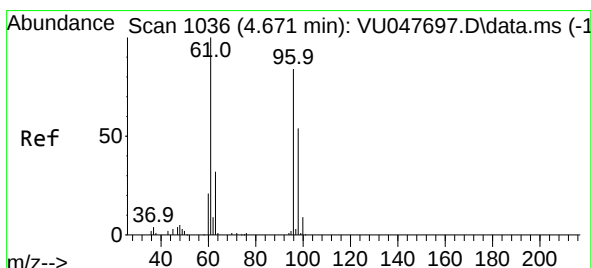
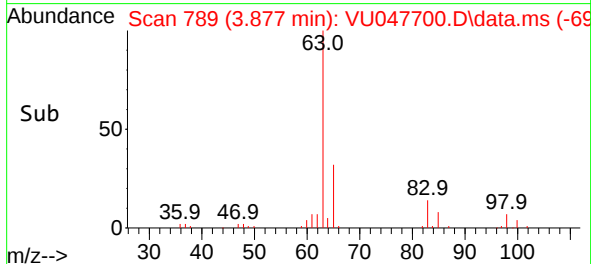
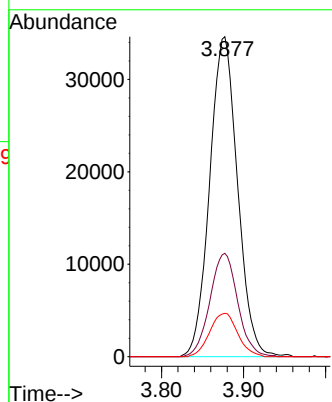
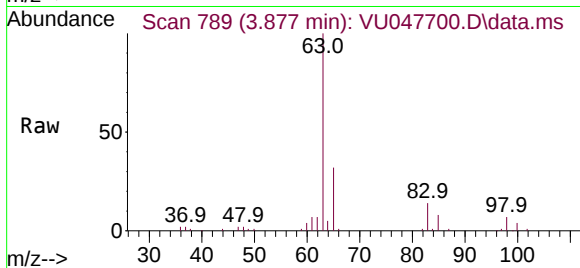
Tgt Ion: 63 Resp: 81573

Ion Ratio Lower Upper

63 100

65 32.3 22.0 41.0

83 13.6 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 2.283 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047700.D

Acq: 26 Mar 2022 11:56

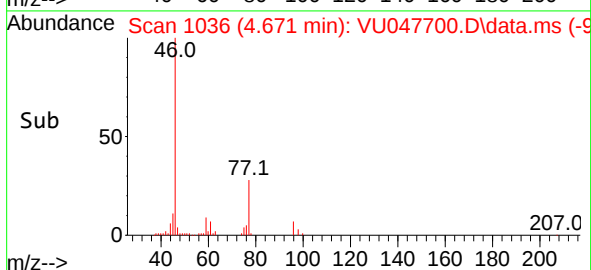
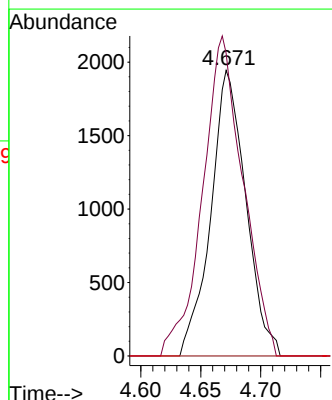
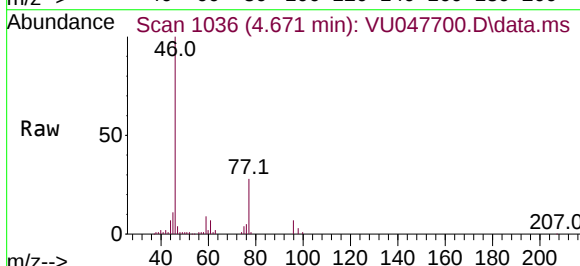
Tgt Ion: 96 Resp: 3949

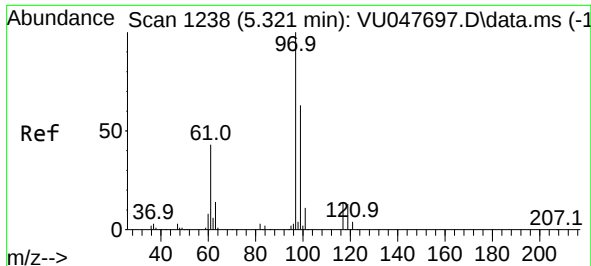
Ion Ratio Lower Upper

96 100

61 106.0 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 20.202 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047700.D

Acq: 26 Mar 2022 11:56

Instrument :

MSVOA_U

ClientSampleId :

EW617

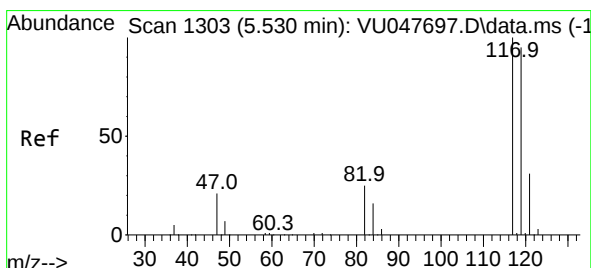
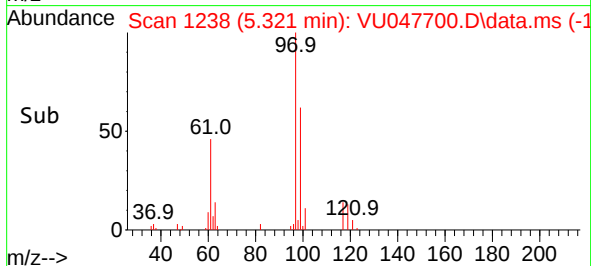
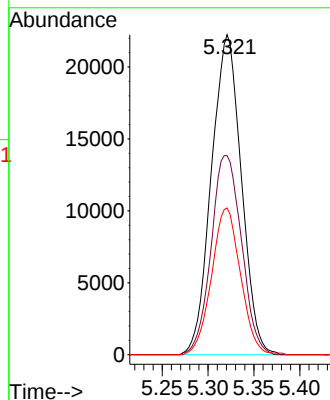
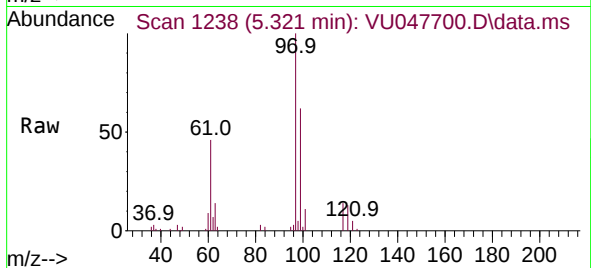
Tgt Ion: 97 Resp: 50492

Ion Ratio Lower Upper

97 100

99 63.2 51.6 77.4

61 44.3 34.2 51.4



#31

Carbon tetrachloride

Concen: 2.893 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.212 min

Lab File: VU047700.D

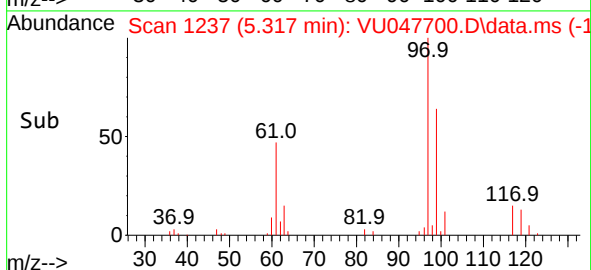
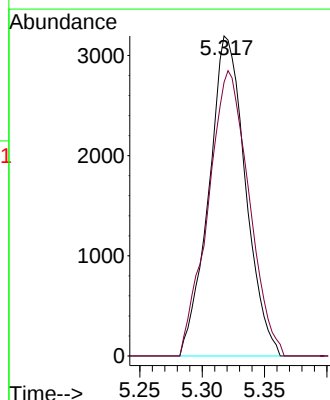
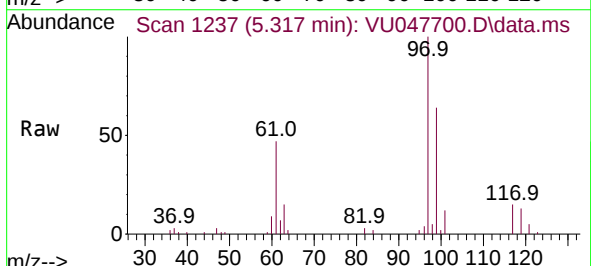
Acq: 26 Mar 2022 11:56

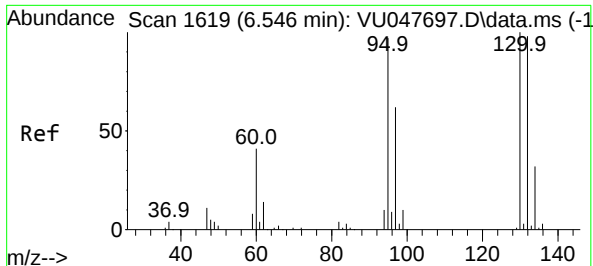
Tgt Ion: 117 Resp: 6529

Ion Ratio Lower Upper

117 100

119 99.2 77.2 115.8



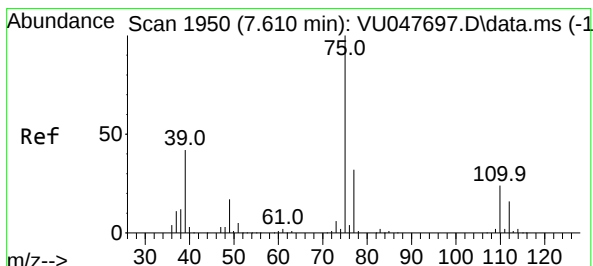
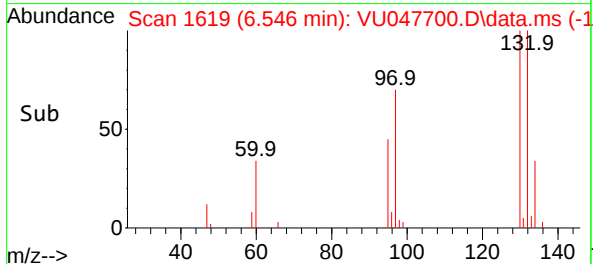
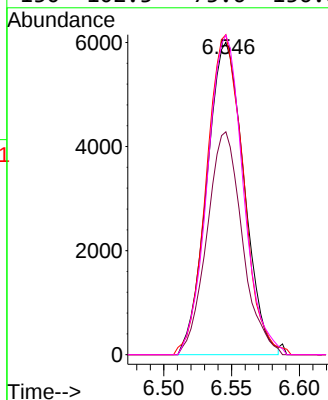
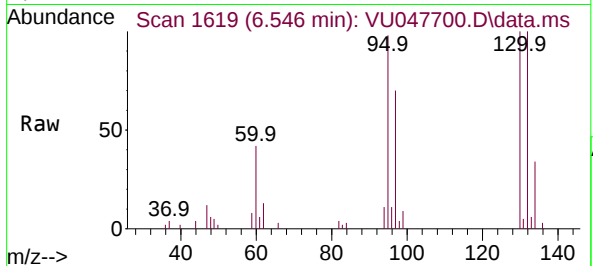


#34
Trichloroethene
Concen: 6.824 ug/L
RT: 6.546 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047700.D
Acq: 26 Mar 2022 11:56

Instrument :
MSVOA_U
ClientSampleId :
EW617

Tgt Ion: 95 Resp: 11415

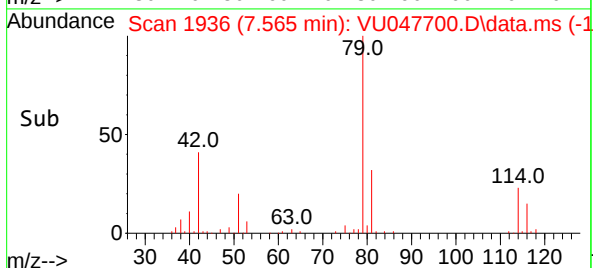
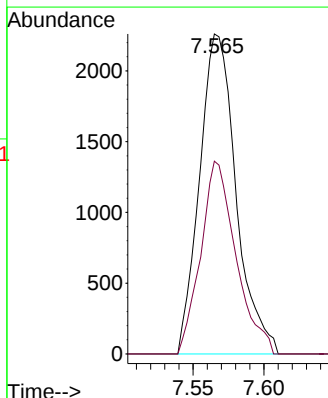
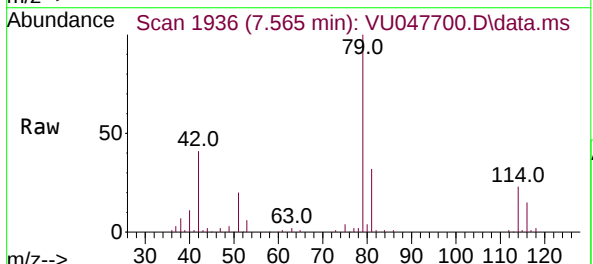
Ion	Ratio	Lower	Upper
95	100		
97	71.3	44.7	82.9
132	102.4	70.4	130.8
130	102.3	73.6	136.8

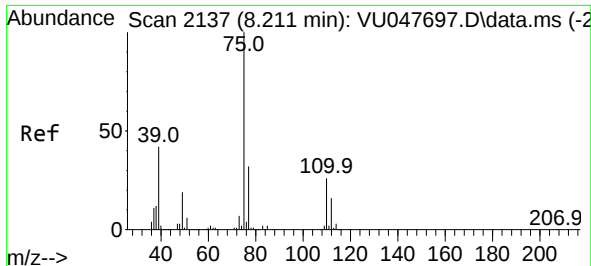


#39
cis-1,3-Dichloropropene
Concen: 1.610 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.045 min
Lab File: VU047700.D
Acq: 26 Mar 2022 11:56

Tgt Ion: 75 Resp: 4051

Ion	Ratio	Lower	Upper
75	100		
77	60.2	21.8	40.6

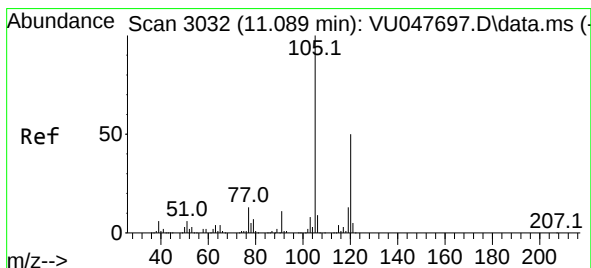
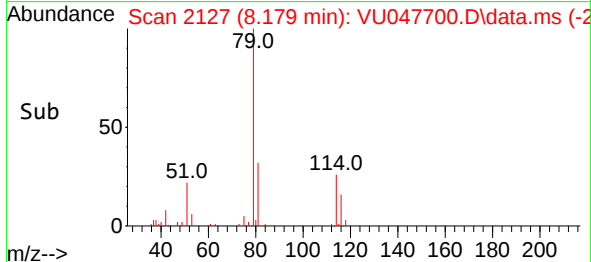
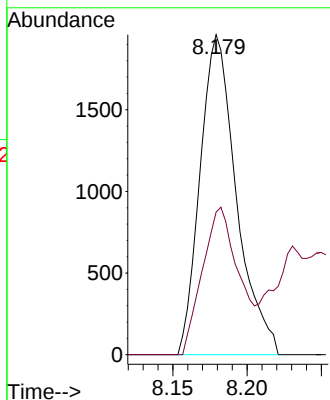
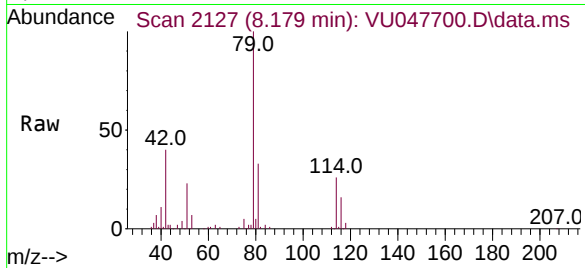




#44
trans-1,3-Dichloropropene
Concen: 1.325 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU047700.D
Acq: 26 Mar 2022 11:56

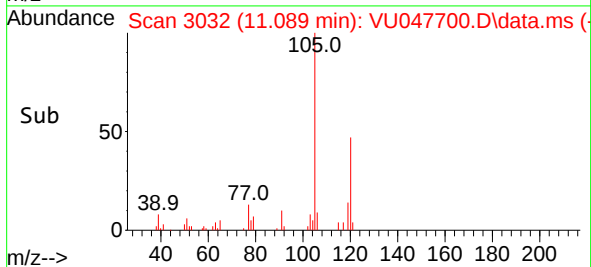
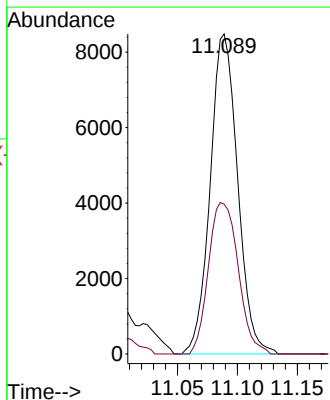
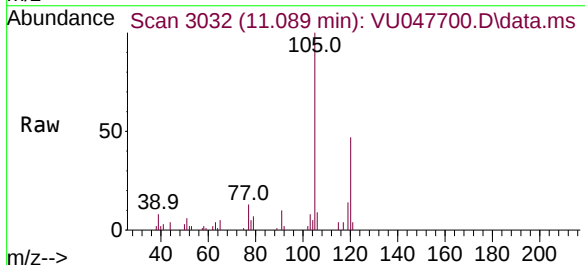
Instrument :
MSVOA_U
ClientSampleId :
EW617

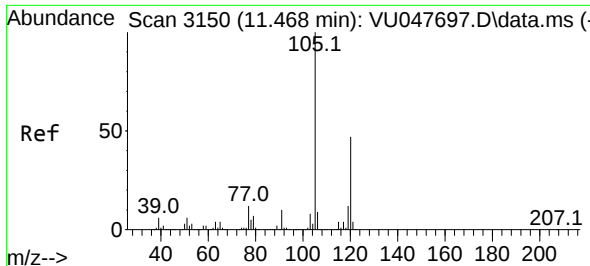
Tgt Ion: 75 Resp: 3330
Ion Ratio Lower Upper
75 100
77 44.5 22.0 40.8#



#62
1,3,5-Trimethylbenzene
Concen: 3.795 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047700.D
Acq: 26 Mar 2022 11:56

Tgt Ion: 105 Resp: 13509
Ion Ratio Lower Upper
105 100
120 51.3 40.8 61.2

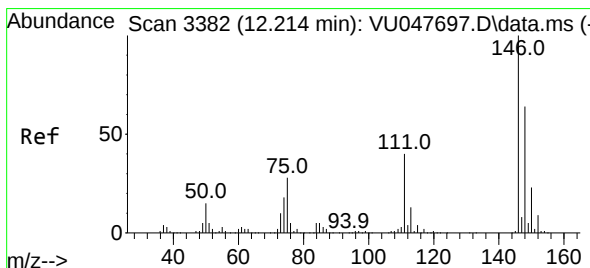
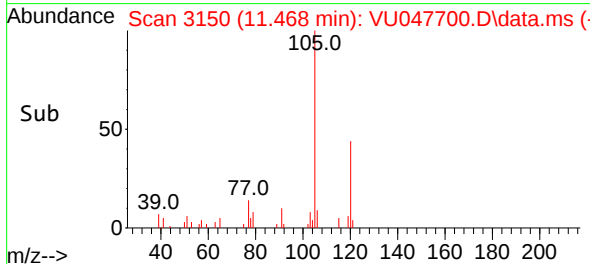
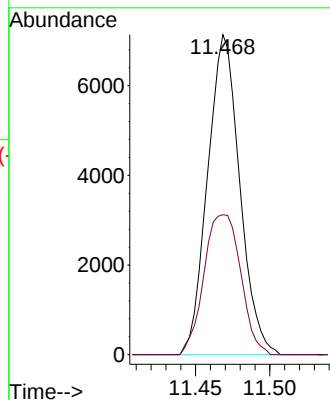
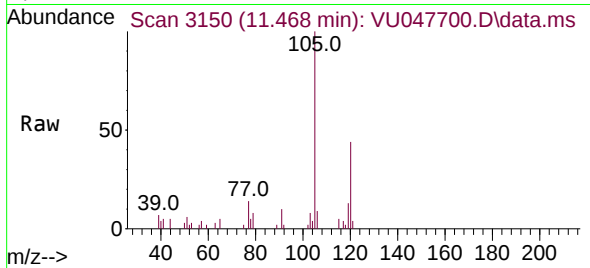




#63
1,2,4-Trimethylbenzene
Concen: 1.984 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047700.D
Acq: 26 Mar 2022 11:56

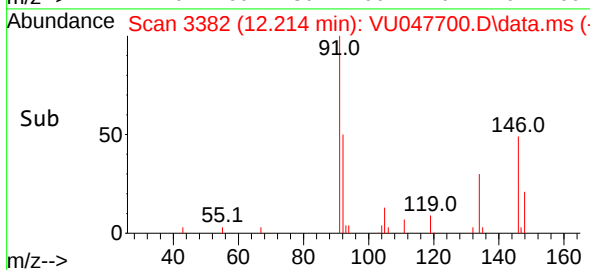
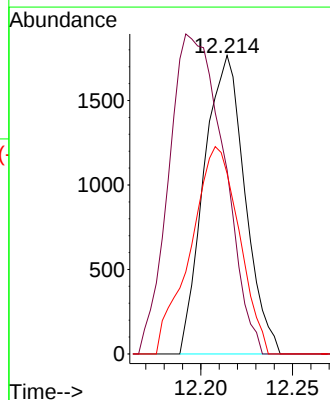
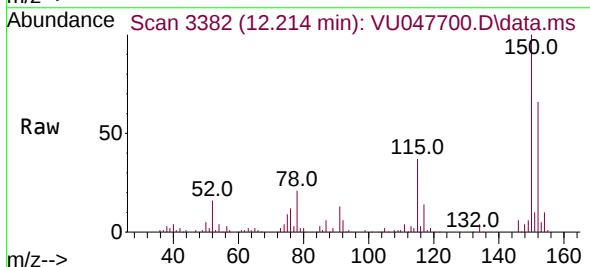
Instrument :
MSVOA_U
ClientSampleId :
EW617

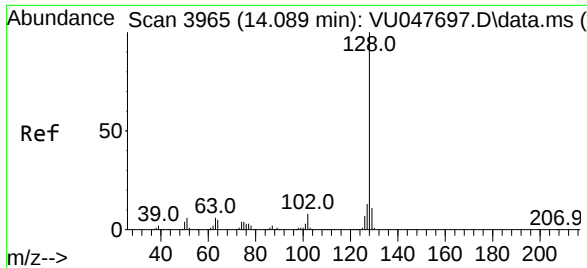
Tgt Ion:105 Resp: 10728
Ion Ratio Lower Upper
105 100
120 50.2 37.6 56.4



#67
1,2-Dichlorobenzene
Concen: 0.751 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU047700.D
Acq: 26 Mar 2022 11:56

Tgt Ion:146 Resp: 2742
Ion Ratio Lower Upper
146 100
111 58.4 31.7 47.5#
148 57.2 51.4 77.2





#71
Naphthalene
Concen: 2.448 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU047700.D
Acq: 26 Mar 2022 11:56

Instrument :
MSVOA_U
ClientSampleId :
EW617

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.8	13.2

