

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047708.D
 Acq On : 26 Mar 2022 14:57
 Operator : SY/MD
 Sample : N2081-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2

Quant Time: Mar 28 05:08:48 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)

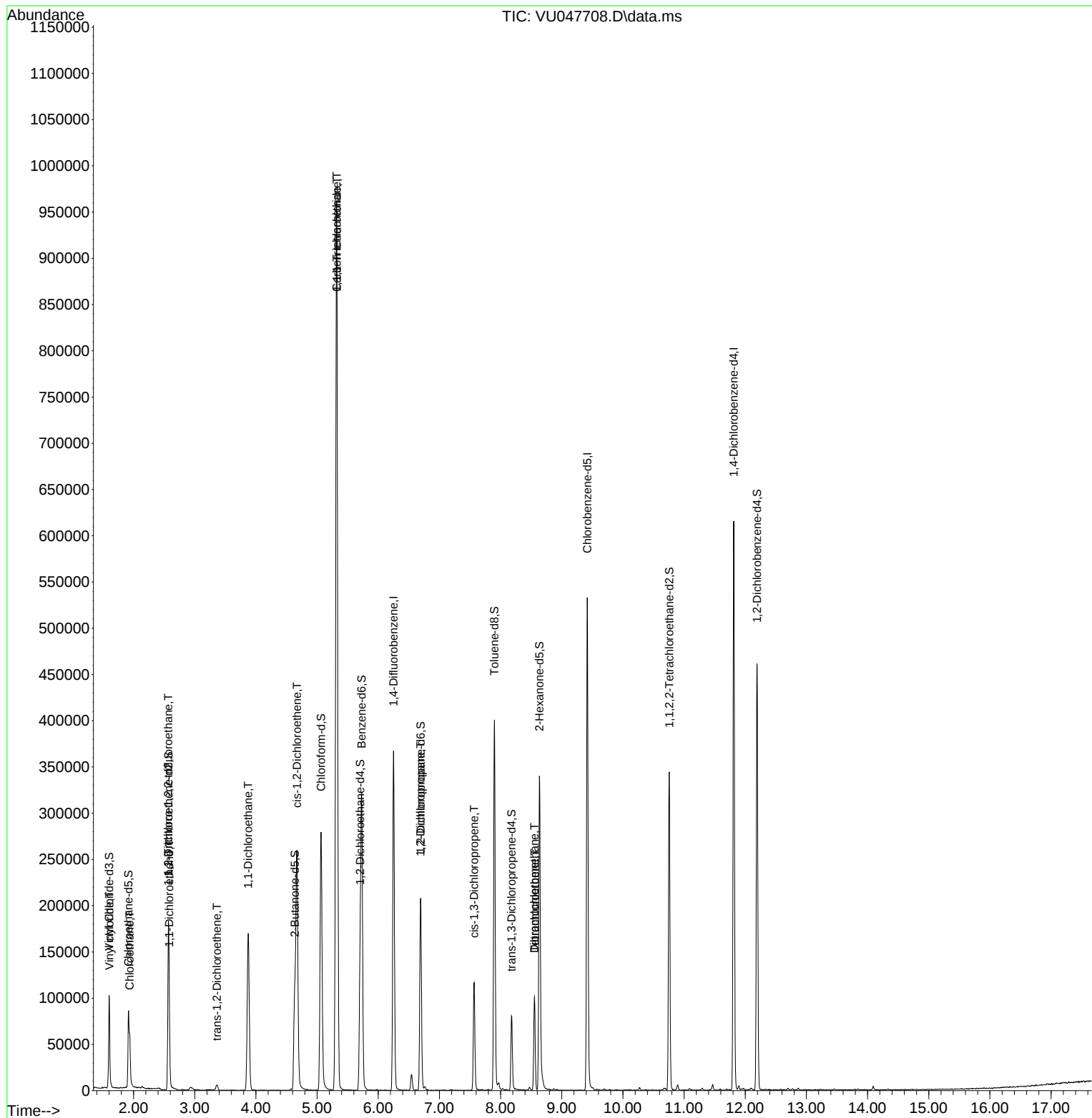
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	309390	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	314790	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	168146	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	67983	30.301	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.600%
7) Chloroethane-d5	1.916	69	61217	34.604	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.200%#
11) 1,1-Dichloroethene-d2	2.572	63	103709	25.265	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.540%#
21) 2-Butanone-d5	4.636	46	168253	87.371	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.370%
24) Chloroform-d	5.067	84	155115	37.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.580%
26) 1,2-Dichloroethane-d4	5.703	65	99294	39.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.880%
32) Benzene-d6	5.729	84	300150	37.893	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.780%
36) 1,2-Dichloropropane-d6	6.694	67	99660	40.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.940%
41) Toluene-d8	7.899	98	269556	34.928	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.860%#
43) trans-1,3-Dichloroprop...	8.179	79	46402	37.651	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.300%
47) 2-Hexanone-d5	8.636	63	121767	85.507	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.510%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	167551	40.134	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.260%
66) 1,2-Dichlorobenzene-d4	12.195	152	126127	42.162	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.320%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	7440	2.659	ug/L	87
8) Chloroethane	1.938	64	32288	18.385	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1088	0.477	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	7626	3.593	ug/L #	1
17) trans-1,2-Dichloroethene	3.363	96	2213	0.967	ug/L	95
19) 1,1-Dichloroethane	3.874	63	194763	49.333	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	128420	51.172	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	692858	194.111	ug/L	100
31) Carbon tetrachloride	5.321	117	95541	29.642	ug/L	99
37) 1,2-Dichloropropane	6.690	63	10729	4.632	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	2950	0.821	ug/L #	53
46) Tetrachloroethene	8.555	164	23282	10.846	ug/L	96
49) Dibromochloromethane	8.552	129	21978	7.724	ug/L #	11

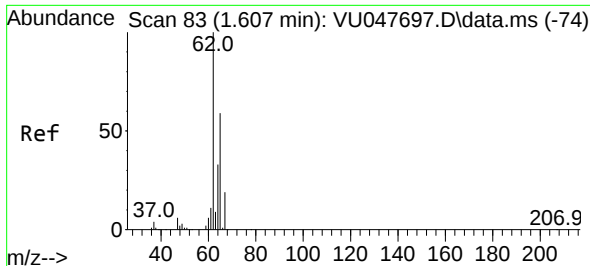
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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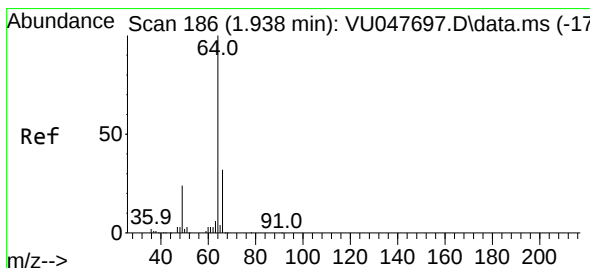
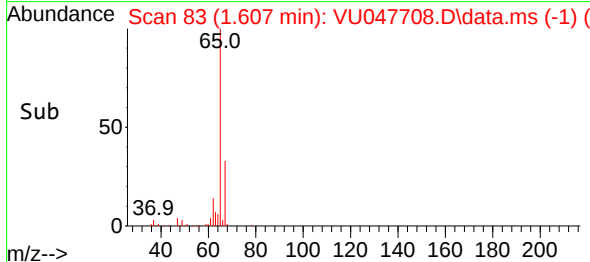
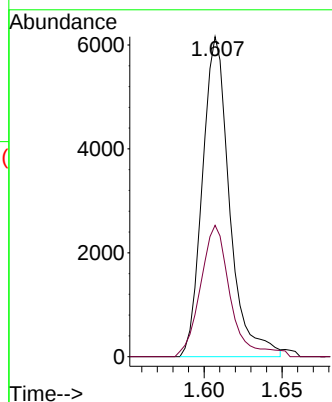
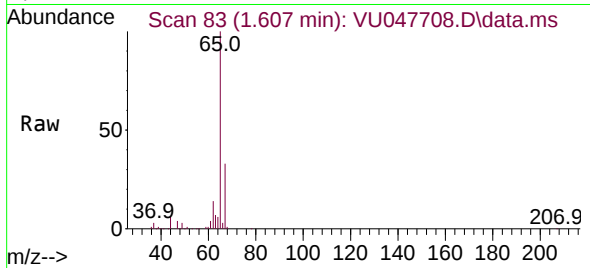




#5
 Vinyl chloride
 Concen: 2.659 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU047708.D
 Acq: 26 Mar 2022 14:57

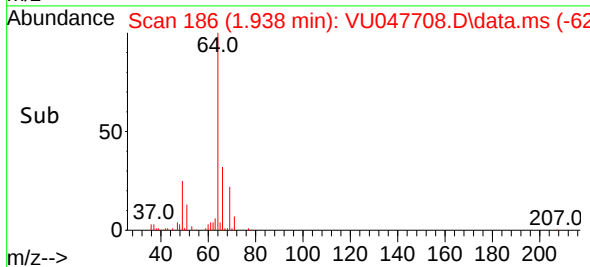
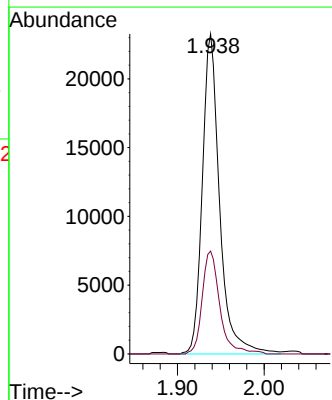
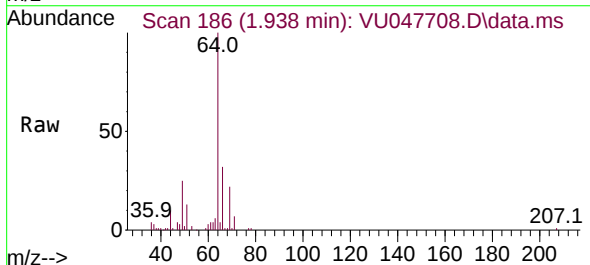
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X2

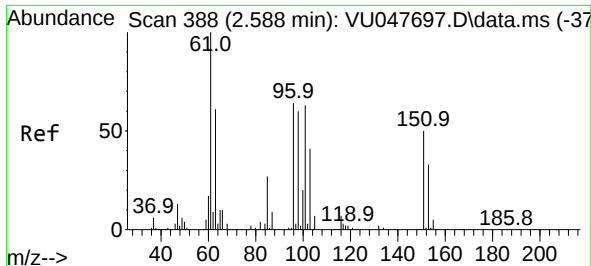
Tgt Ion: 62 Resp: 7440
 Ion Ratio Lower Upper
 62 100
 64 41.0 23.7 43.9



#8
 Chloroethane
 Concen: 18.385 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU047708.D
 Acq: 26 Mar 2022 14:57

Tgt Ion: 64 Resp: 32288
 Ion Ratio Lower Upper
 64 100
 66 32.2 23.3 43.3

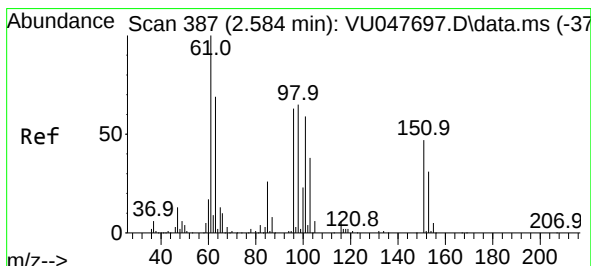
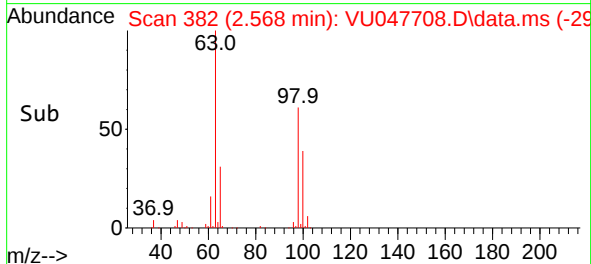
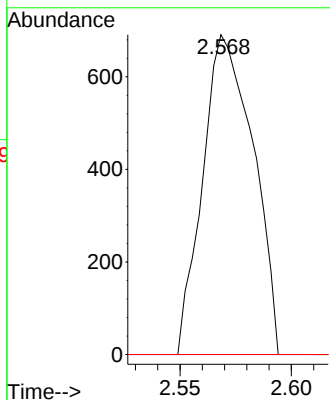
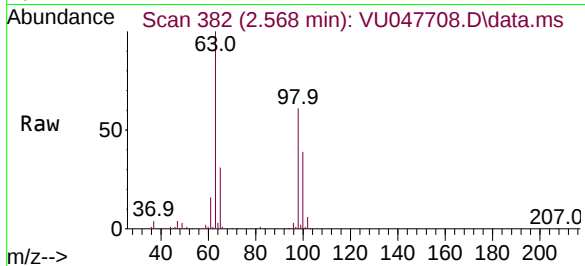




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.477 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.019 min
Lab File: VU047708.D
Acq: 26 Mar 2022 14:57

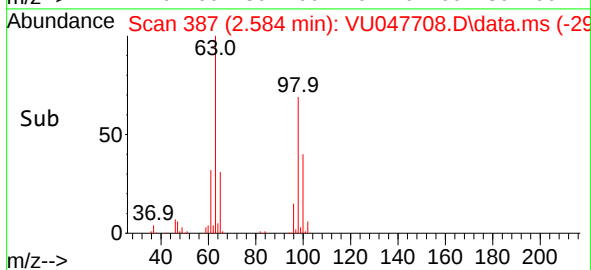
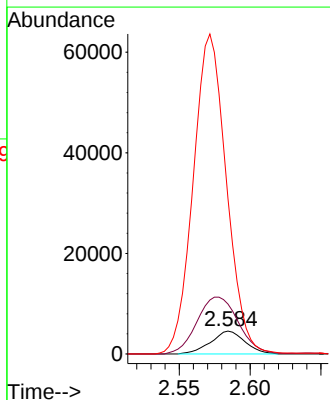
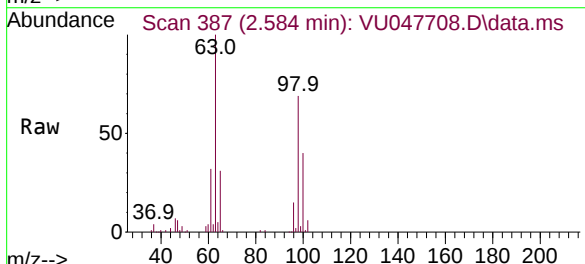
Instrument :
MSVOA_U
ClientSampleId :
EW5X2

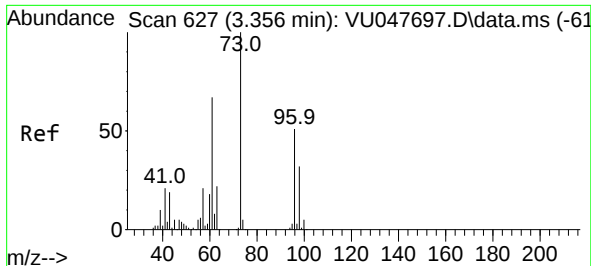
Tgt Ion:101 Resp: 1088
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 3.593 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU047708.D
Acq: 26 Mar 2022 14:57

Tgt Ion: 96 Resp: 7626
Ion Ratio Lower Upper
96 100
61 217.4 113.1 210.1#
63 677.8 94.8 176.0#

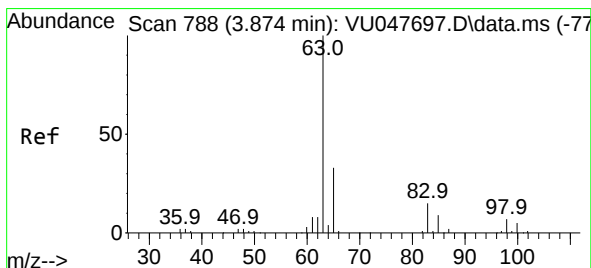
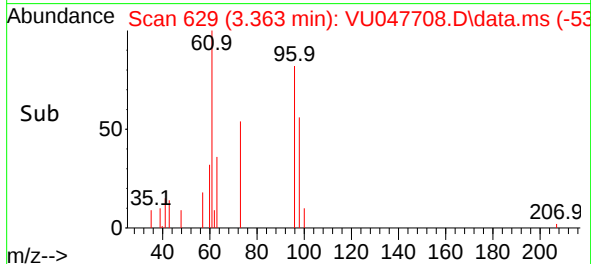
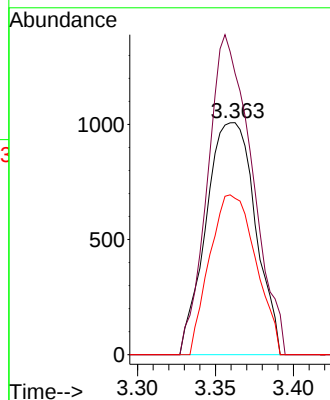
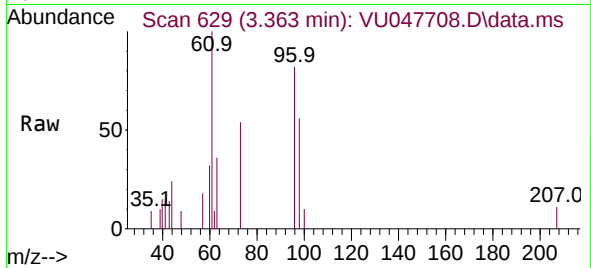




#17
trans-1,2-Dichloroethene
Concen: 0.967 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU047708.D
Acq: 26 Mar 2022 14:57

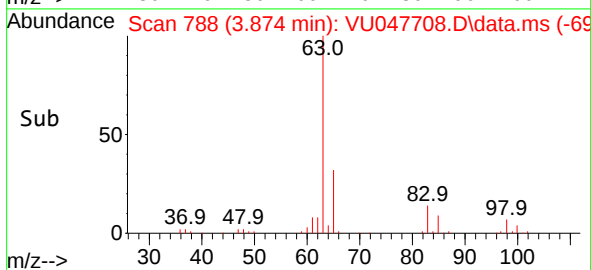
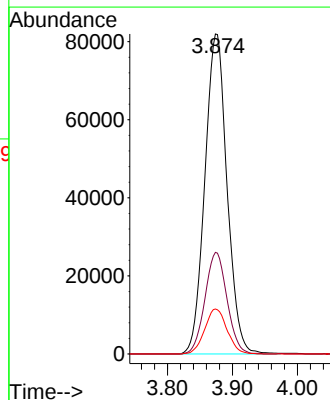
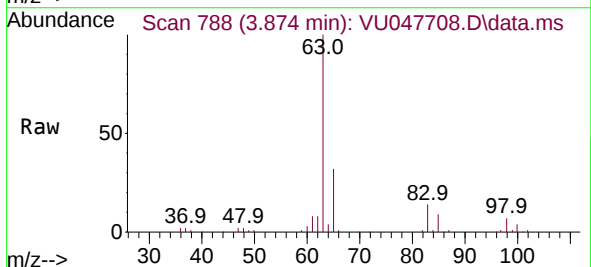
Instrument :
MSVOA_U
ClientSampleId :
EW5X2

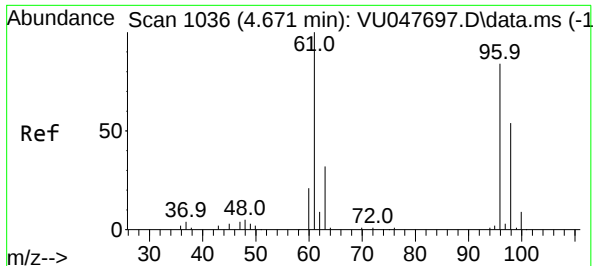
Tgt Ion: 96 Resp: 2213
Ion Ratio Lower Upper
96 100
61 121.2 88.4 164.2
98 67.4 43.3 80.5



#19
1,1-Dichloroethane
Concen: 49.333 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU047708.D
Acq: 26 Mar 2022 14:57

Tgt Ion: 63 Resp: 194763
Ion Ratio Lower Upper
63 100
65 31.7 22.0 41.0
83 14.0 9.7 18.1





#20

cis-1,2-Dichloroethene

Concen: 51.172 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047708.D

Acq: 26 Mar 2022 14:57

Instrument :

MSVOA_U

ClientSampleId :

EW5X2

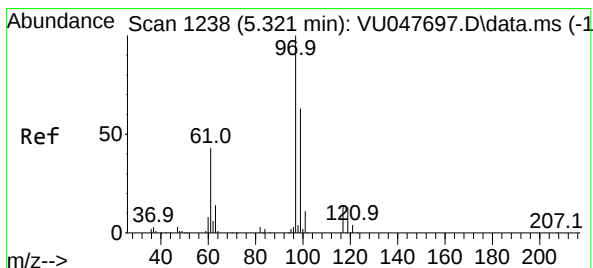
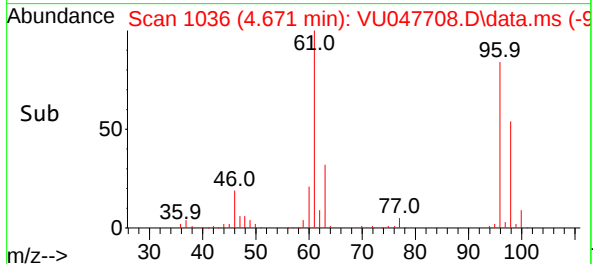
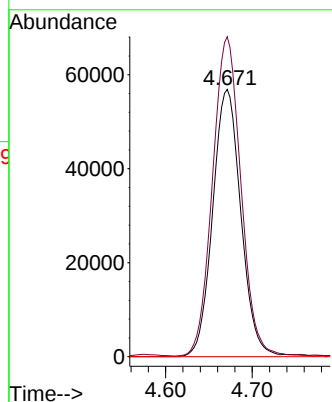
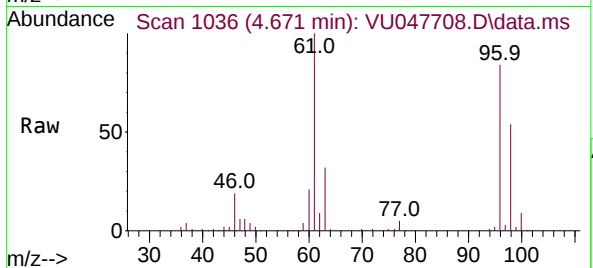
Tgt Ion: 96 Resp: 128420

Ion Ratio Lower Upper

96 100

61 119.7 80.7 149.9

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 194.111 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047708.D

Acq: 26 Mar 2022 14:57

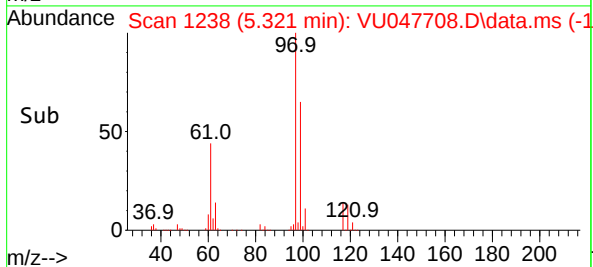
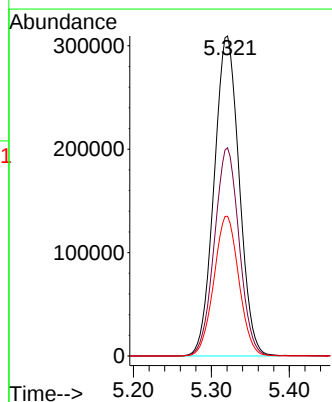
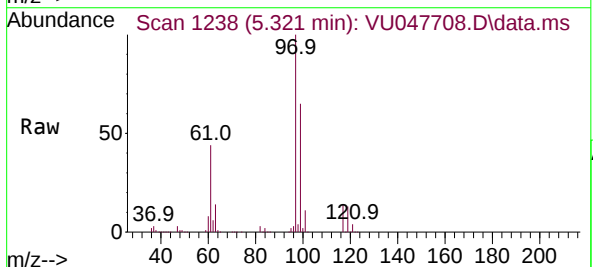
Tgt Ion: 97 Resp: 692858

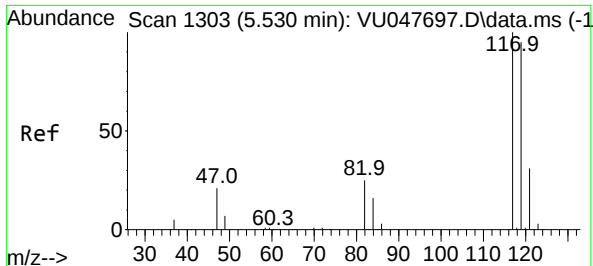
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 43.5 34.2 51.4

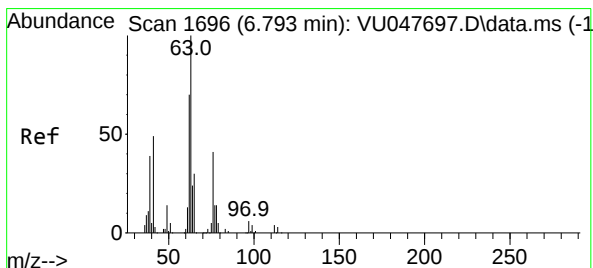
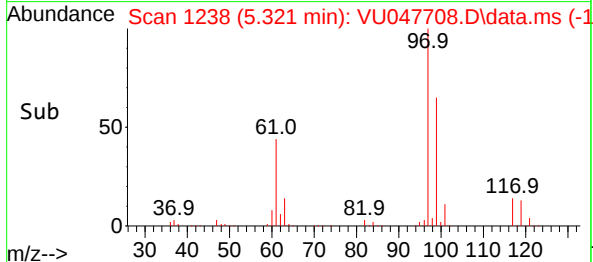
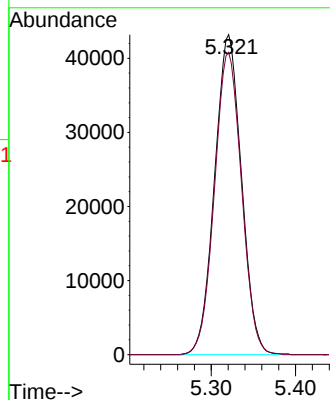
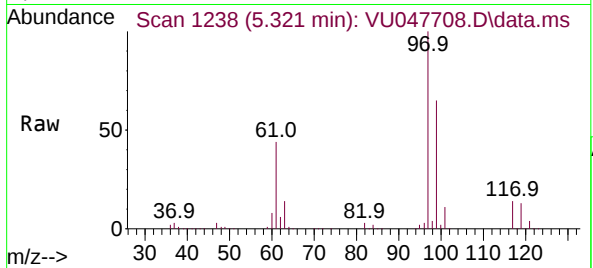




#31
Carbon tetrachloride
Concen: 29.642 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU047708.D
Acq: 26 Mar 2022 14:57

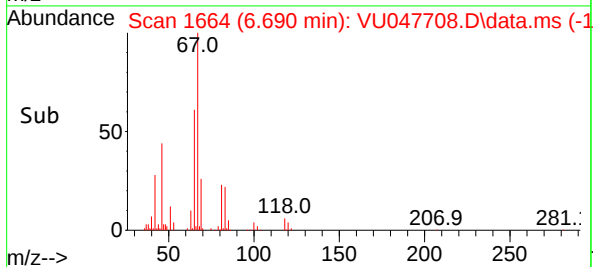
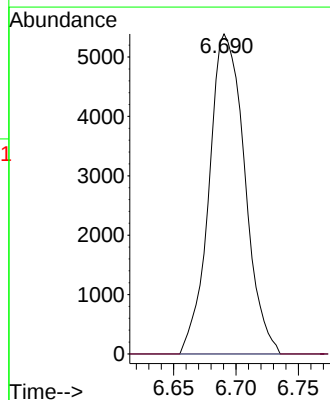
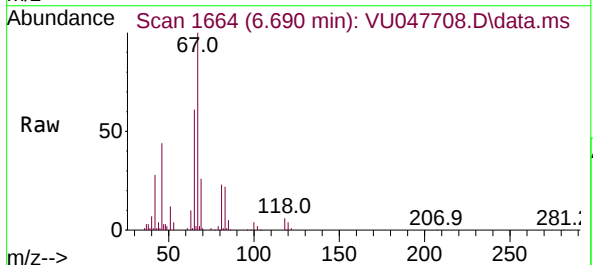
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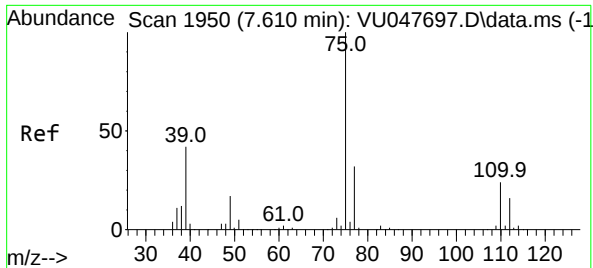
Tgt Ion:117 Resp: 95541
Ion Ratio Lower Upper
117 100
119 95.1 77.2 115.8



#37
1,2-Dichloropropane
Concen: 4.632 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU047708.D
Acq: 26 Mar 2022 14:57

Tgt Ion: 63 Resp: 10729
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.821 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU047708.D

Acq: 26 Mar 2022 14:57

Instrument :

MSVOA_U

ClientSampleId :

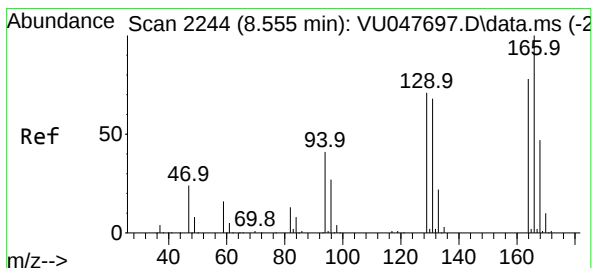
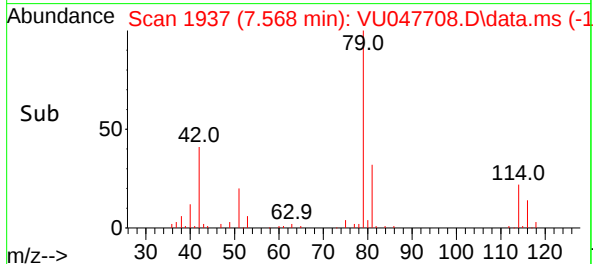
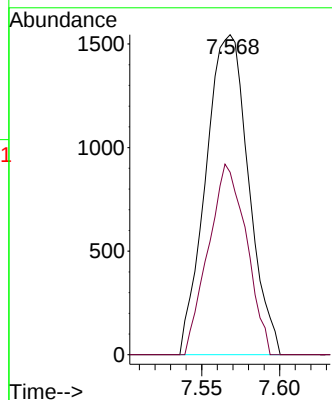
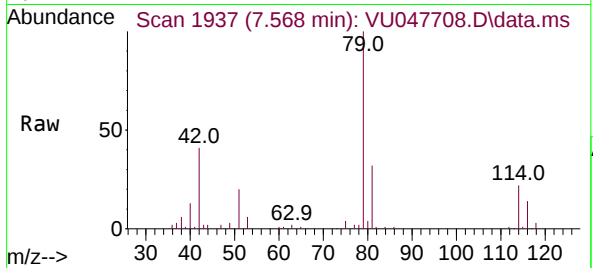
EW5X2

Tgt Ion: 75 Resp: 2950

Ion Ratio Lower Upper

75 100

77 57.0 21.8 40.6#



#46

Tetrachloroethene

Concen: 10.846 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047708.D

Acq: 26 Mar 2022 14:57

Tgt Ion: 164 Resp: 23282

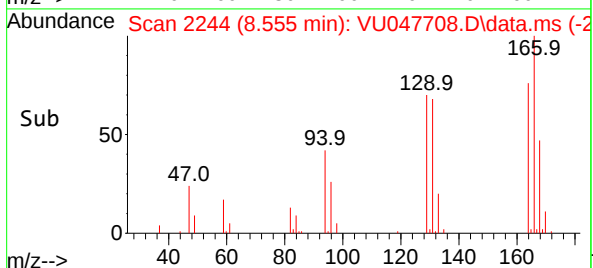
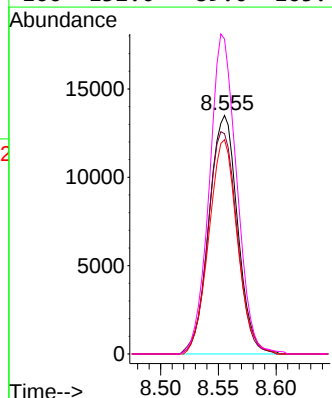
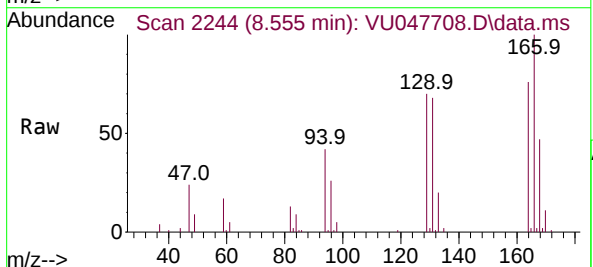
Ion Ratio Lower Upper

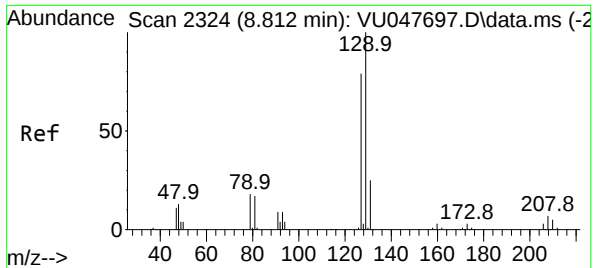
164 100

129 92.3 62.4 116.0

131 89.8 60.7 112.7

166 132.0 89.0 165.4





#49

Dibromochloromethane

Concen: 7.724 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU047708.D

Acq: 26 Mar 2022 14:57

Instrument :

MSVOA_U

ClientSampleId :

EW5X2

Tgt Ion:129 Resp: 21978

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#

