

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
 Data File : VU047736.D
 Acq On : 28 Mar 2022 18:30
 Operator : SY/MD
 Sample : N2081-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X8

Quant Time: Mar 29 01:46:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 29 01:43:13 2022
 Response via : Initial Calibration

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

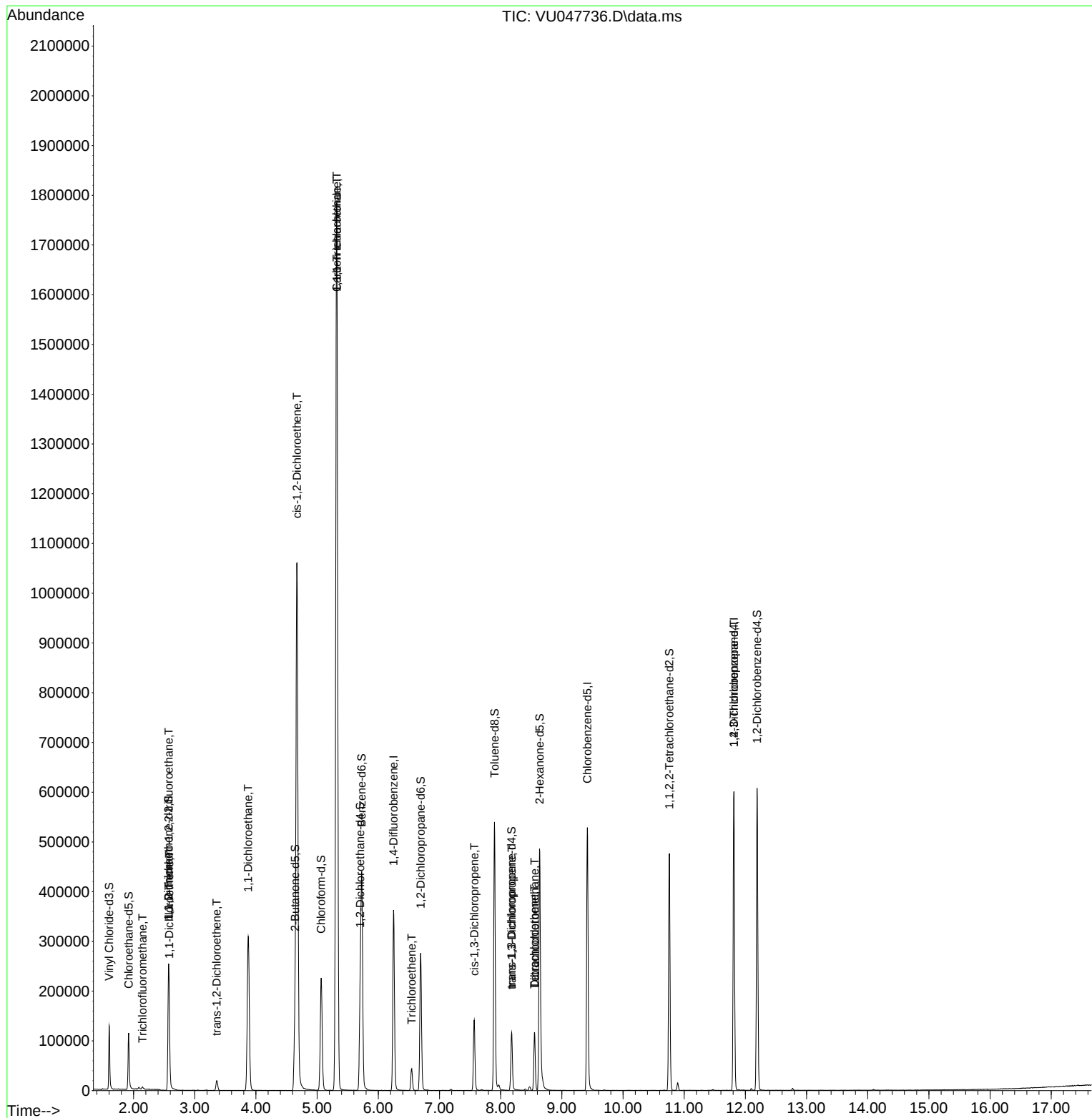
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	308350	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	315336	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	171391	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	94996	42.484	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.960%
7) Chloroethane-d5	1.919	69	87206	49.461	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.920%
11) 1,1-Dichloroethene-d2	2.571	63	141248	34.526	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.060%
21) 2-Butanone-d5	4.639	46	251111	130.838	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.840%#
24) Chloroform-d	5.067	84	211120	51.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.200%
26) 1,2-Dichloroethane-d4	5.703	65	138407	55.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.320%
32) Benzene-d6	5.729	84	414585	52.249	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.500%
36) 1,2-Dichloropropane-d6	6.694	67	133273	54.691	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.380%
41) Toluene-d8	7.899	98	371055	47.997	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.000%
43) trans-1,3-Dichloroprop...	8.179	79	62730	50.812	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.620%
47) 2-Hexanone-d5	8.636	63	178342	125.019	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.020%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	232655	55.632	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.260%
66) 1,2-Dichlorobenzene-d4	12.192	152	170746	55.997	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.000%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.144	101	2635	0.670	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1364	0.600	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	20165	9.534	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	9096	3.987	ug/L	92
19) 1,1-Dichloroethane	3.874	63	357289	90.807	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	559347	223.639	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	1293198	361.675	ug/L	99
31) Carbon tetrachloride	5.321	117	180214	55.815	ug/L	100
34) Trichloroethene	6.546	95	14486	6.054	ug/L	92
39) cis-1,3-Dichloropropene	7.568	75	3552	0.987	ug/L #	57
44) trans-1,3-Dichloropropene	8.182	75	2774	0.772	ug/L	88
46) Tetrachloroethene	8.552	164	27277	12.685	ug/L	98
49) Dibromochloromethane	8.555	129	25159	8.827	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	18494	5.724	ug/L #	65

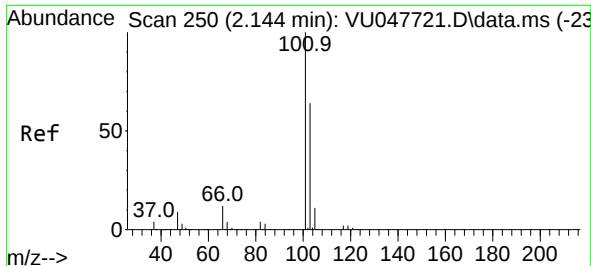
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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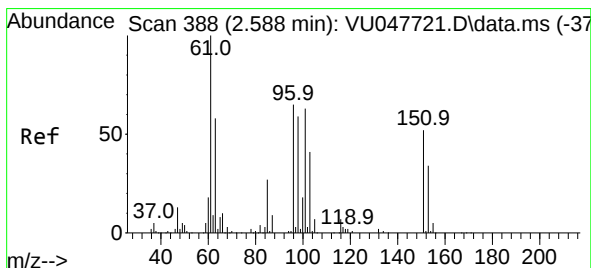
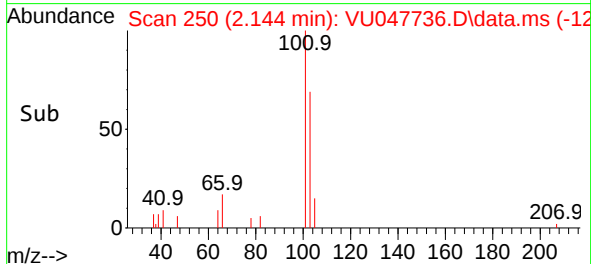
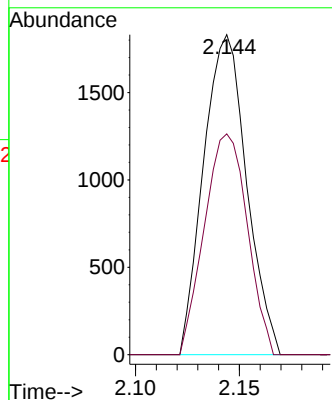
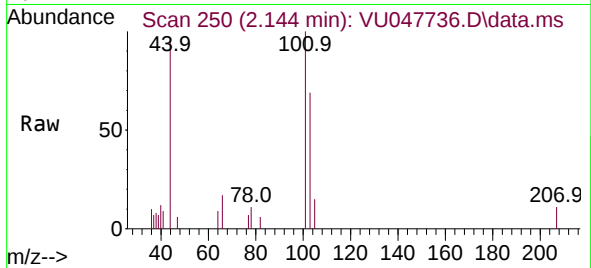




#9
 Trichlorofluoromethane
 Concen: 0.670 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU047736.D
 Acq: 28 Mar 2022 18:30

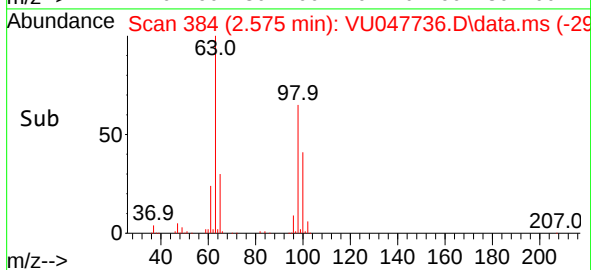
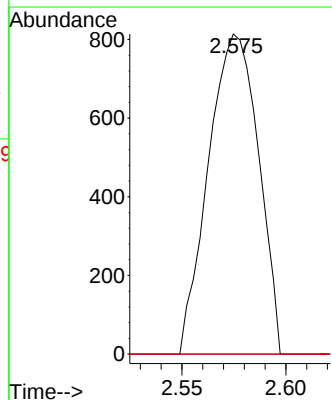
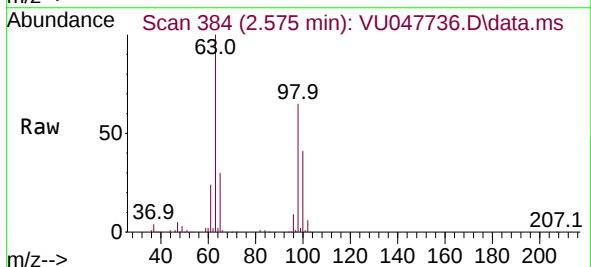
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X8

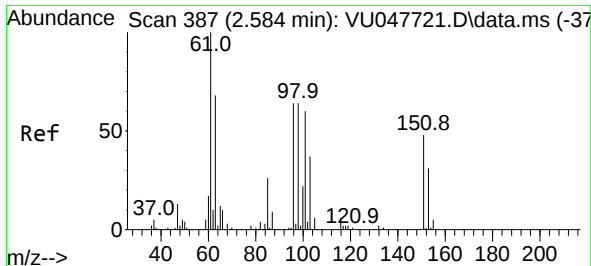
Tgt Ion:101 Resp: 2635
 Ion Ratio Lower Upper
 101 100
 103 68.9 51.4 77.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.600 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU047736.D
 Acq: 28 Mar 2022 18:30

Tgt Ion:101 Resp: 1364
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#

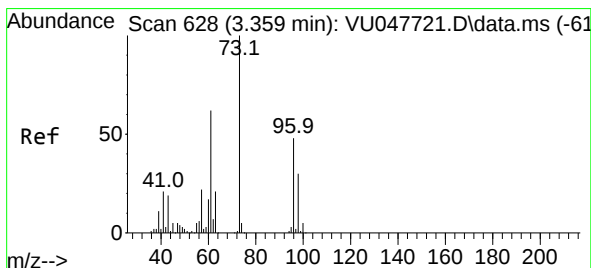
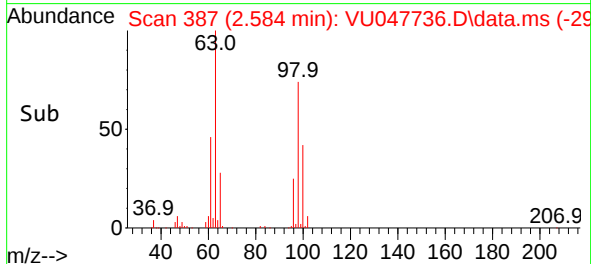
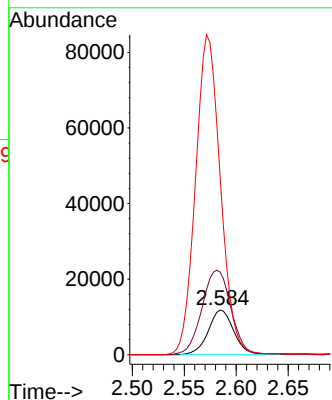
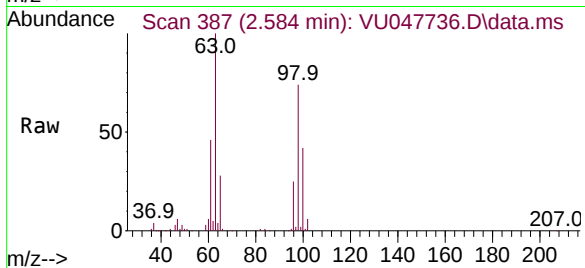




#12
1,1-Dichloroethene
Concen: 9.534 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.000 min
Lab File: VU047736.D
Acq: 28 Mar 2022 18:30

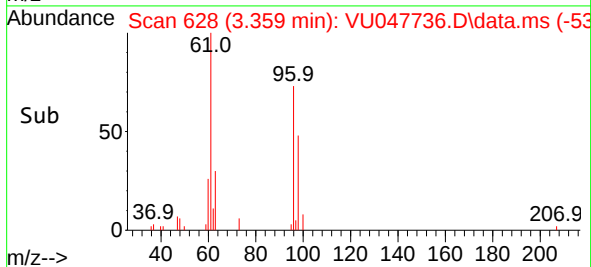
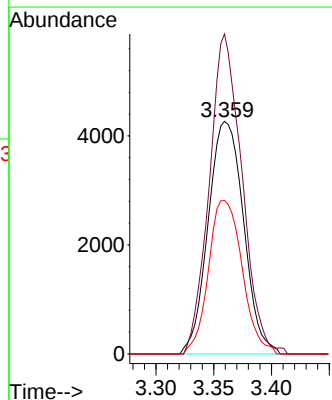
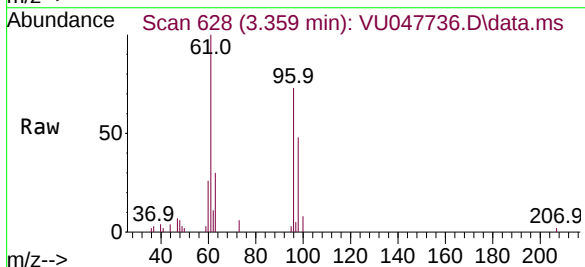
Instrument :
MSVOA_U
ClientSampleId :
EW5X8

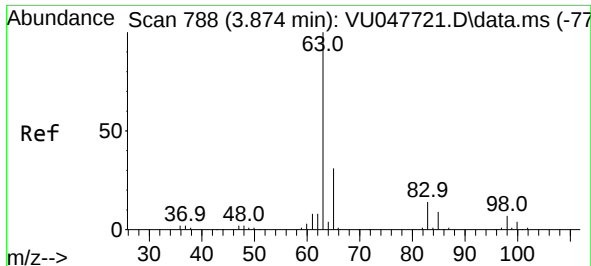
Tgt Ion: 96 Resp: 20165
Ion Ratio Lower Upper
96 100
61 185.2 113.1 210.1
63 401.2 94.8 176.0#



#17
trans-1,2-Dichloroethene
Concen: 3.987 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047736.D
Acq: 28 Mar 2022 18:30

Tgt Ion: 96 Resp: 9096
Ion Ratio Lower Upper
96 100
61 137.6 88.4 164.2
98 66.0 43.3 80.5





#19

1,1-Dichloroethane

Concen: 90.807 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047736.D

Acq: 28 Mar 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

EW5X8

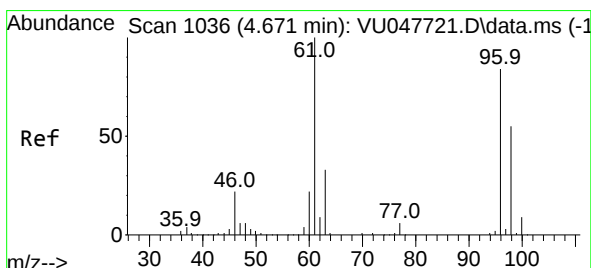
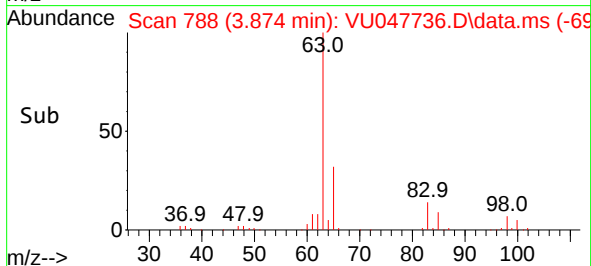
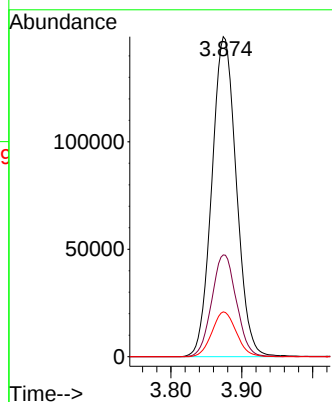
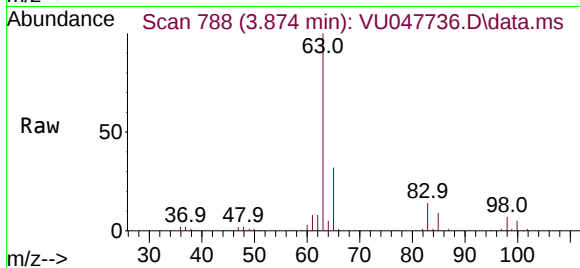
Tgt Ion: 63 Resp: 357289

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 14.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 223.639 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047736.D

Acq: 28 Mar 2022 18:30

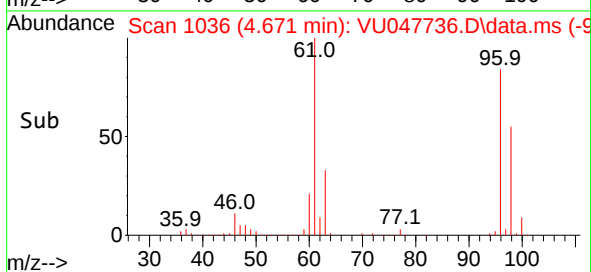
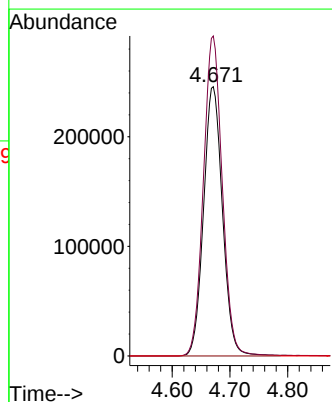
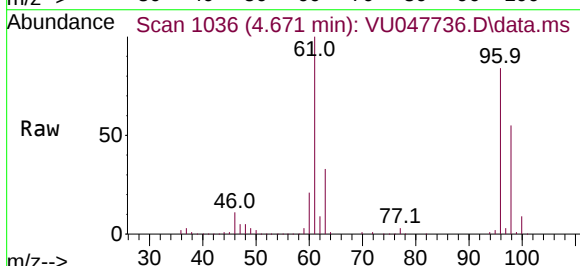
Tgt Ion: 96 Resp: 559347

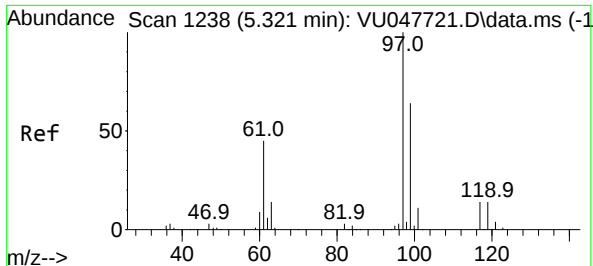
Ion Ratio Lower Upper

96 100

61 118.9 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 361.675 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047736.D

Acq: 28 Mar 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

EW5X8

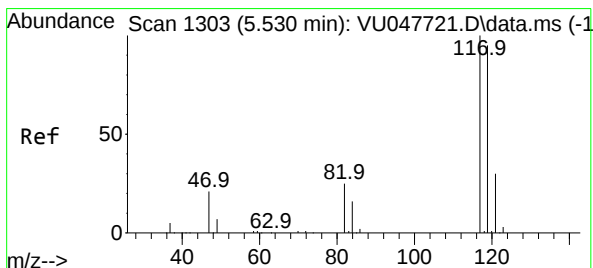
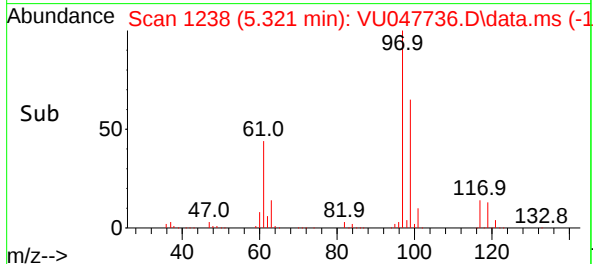
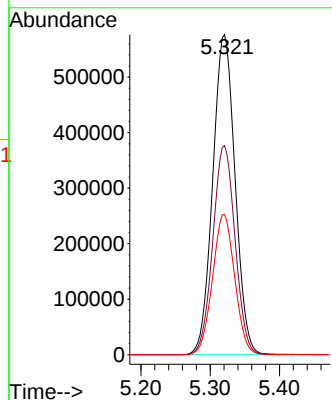
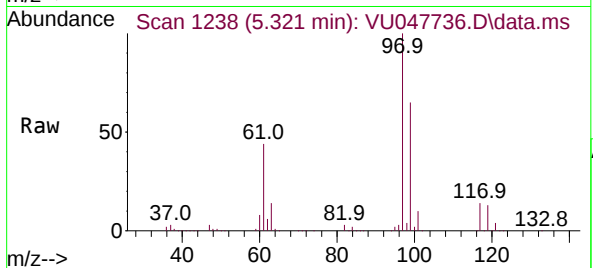
Tgt Ion: 97 Resp: 1293198

Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 43.6 34.2 51.4



#31

Carbon tetrachloride

Concen: 55.815 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047736.D

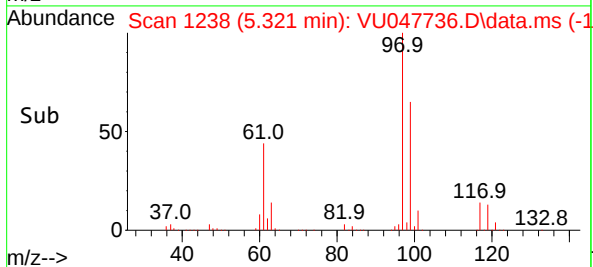
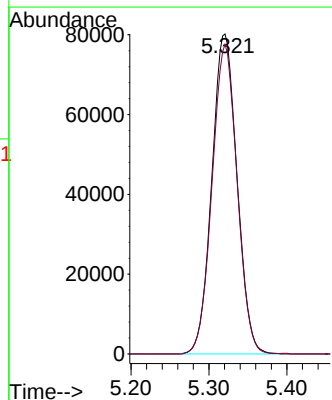
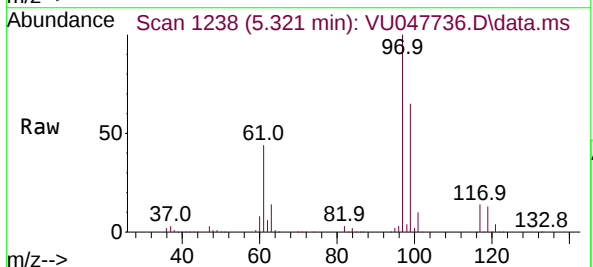
Acq: 28 Mar 2022 18:30

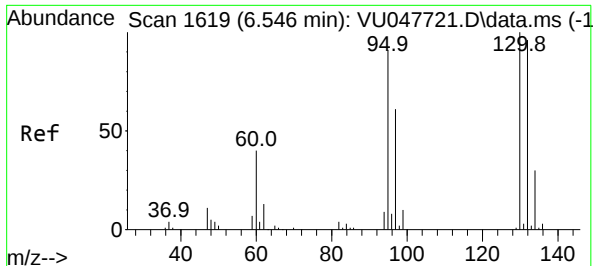
Tgt Ion: 117 Resp: 180214

Ion Ratio Lower Upper

117 100

119 96.1 77.2 115.8



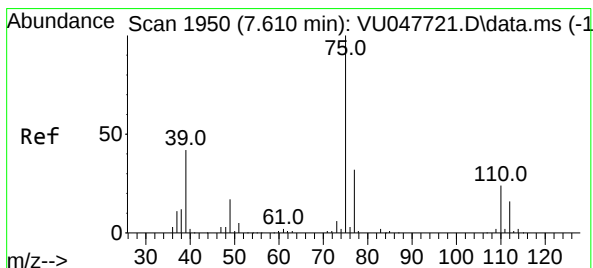
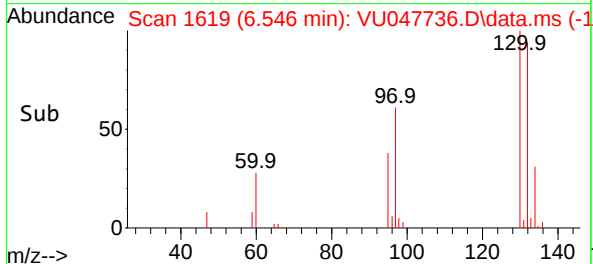
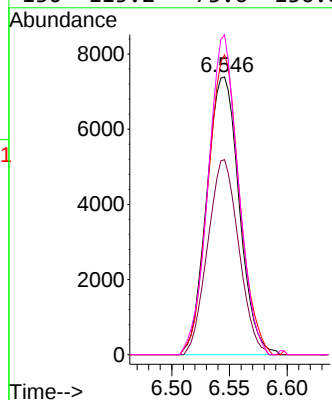
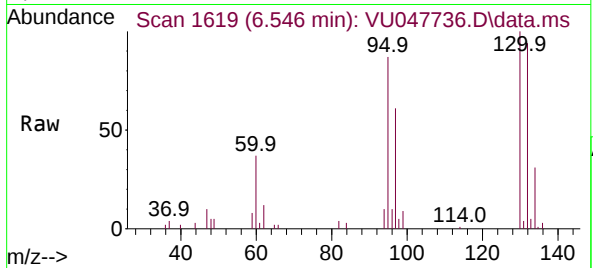


#34
Trichloroethene
Concen: 6.054 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU047736.D
Acq: 28 Mar 2022 18:30

Instrument :
MSVOA_U
ClientSampleId :
EW5X8

Tgt Ion: 95 Resp: 14486

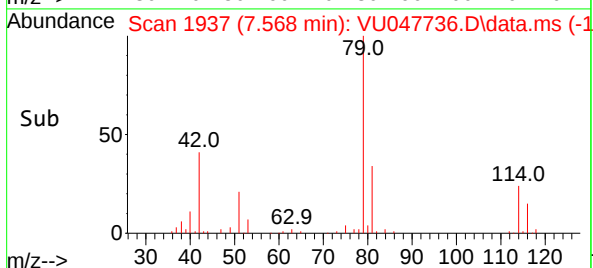
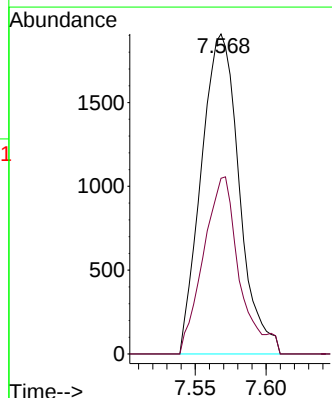
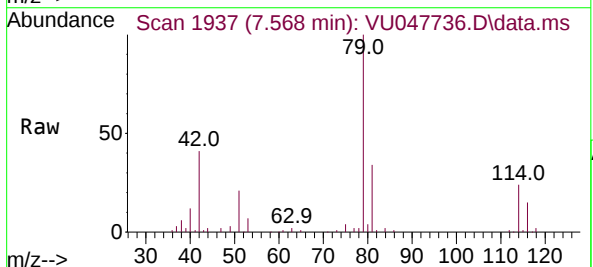
Ion	Ratio	Lower	Upper
95	100		
97	70.2	44.7	82.9
132	107.9	70.4	130.8
130	115.2	73.6	136.8

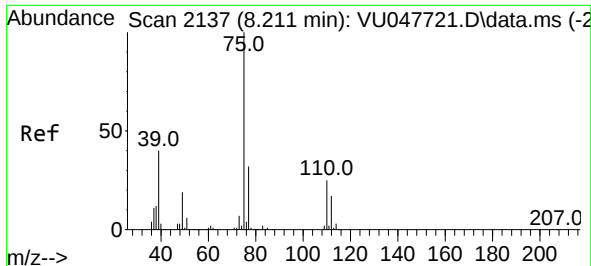


#39
cis-1,3-Dichloropropene
Concen: 0.987 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU047736.D
Acq: 28 Mar 2022 18:30

Tgt Ion: 75 Resp: 3552

Ion	Ratio	Lower	Upper
75	100		
77	54.9	21.8	40.6

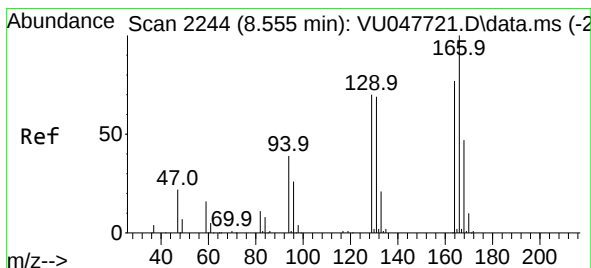
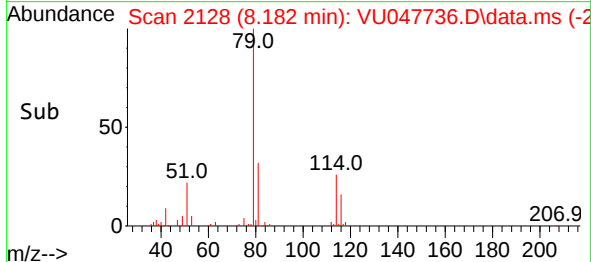
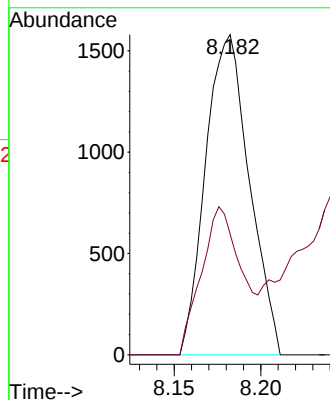
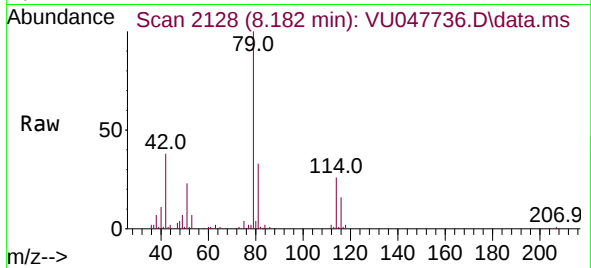




#44
trans-1,3-Dichloropropene
Concen: 0.772 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.029 min
Lab File: VU047736.D
Acq: 28 Mar 2022 18:30

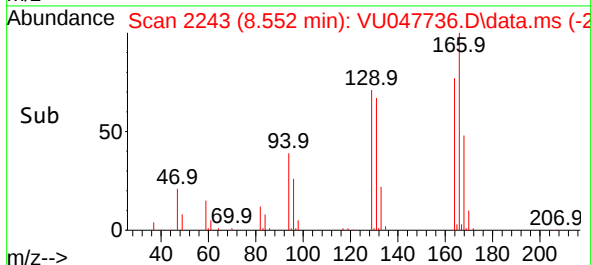
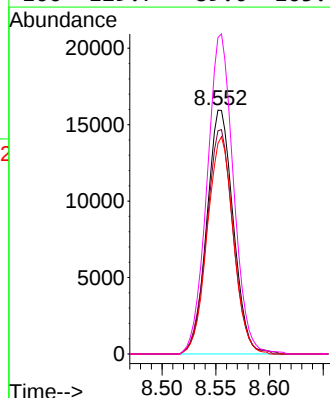
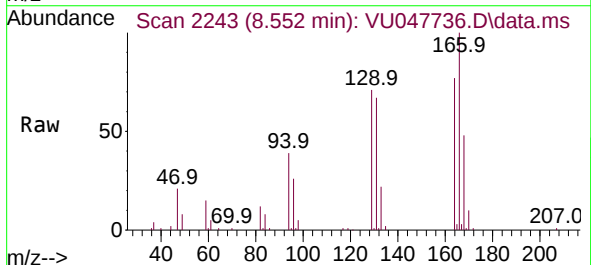
Instrument :
MSVOA_U
ClientSampleId :
EW5X8

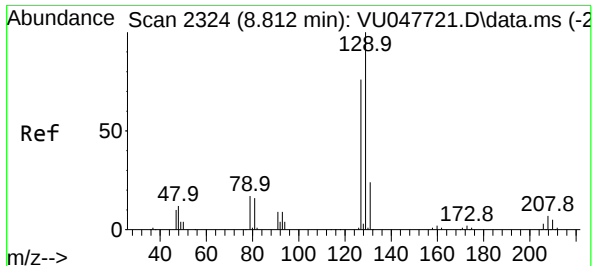
Tgt Ion: 75 Resp: 2774
Ion Ratio Lower Upper
75 100
77 37.8 22.0 40.8



#46
Tetrachloroethene
Concen: 12.685 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047736.D
Acq: 28 Mar 2022 18:30

Tgt Ion: 164 Resp: 27277
Ion Ratio Lower Upper
164 100
129 91.5 62.4 116.0
131 86.4 60.7 112.7
166 129.7 89.0 165.4





#49

Dibromochloromethane

Concen: 8.827 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047736.D

Acq: 28 Mar 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

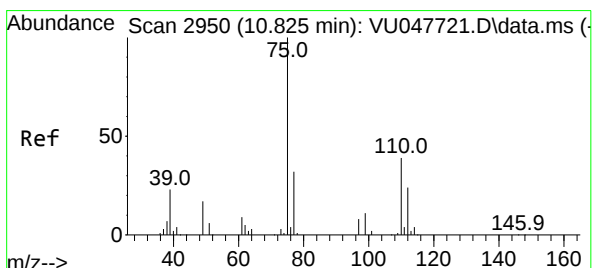
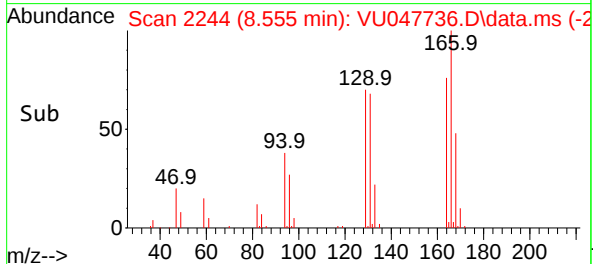
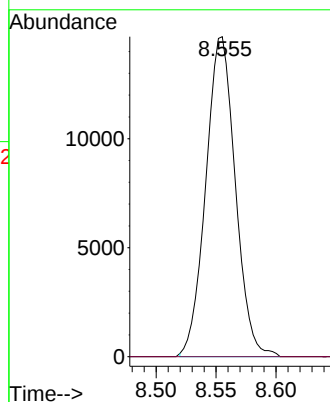
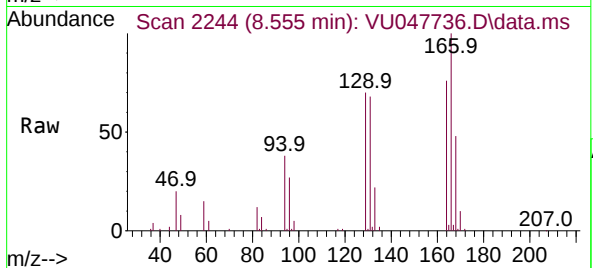
EW5X8

Tgt Ion:129 Resp: 25159

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#60

1,2,3-Trichloropropane

Concen: 5.724 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU047736.D

Acq: 28 Mar 2022 18:30

Tgt Ion: 75 Resp: 18494

Ion Ratio Lower Upper

75 100

77 29.6 26.0 39.0

110 2.4 31.4 47.2#

