

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054306.D
 Acq On : 30 May 2023 12:12
 Operator : JC/MD
 Sample : 02912-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GM38-RW3-MW1-20230523

Quant Time: May 31 06:24:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

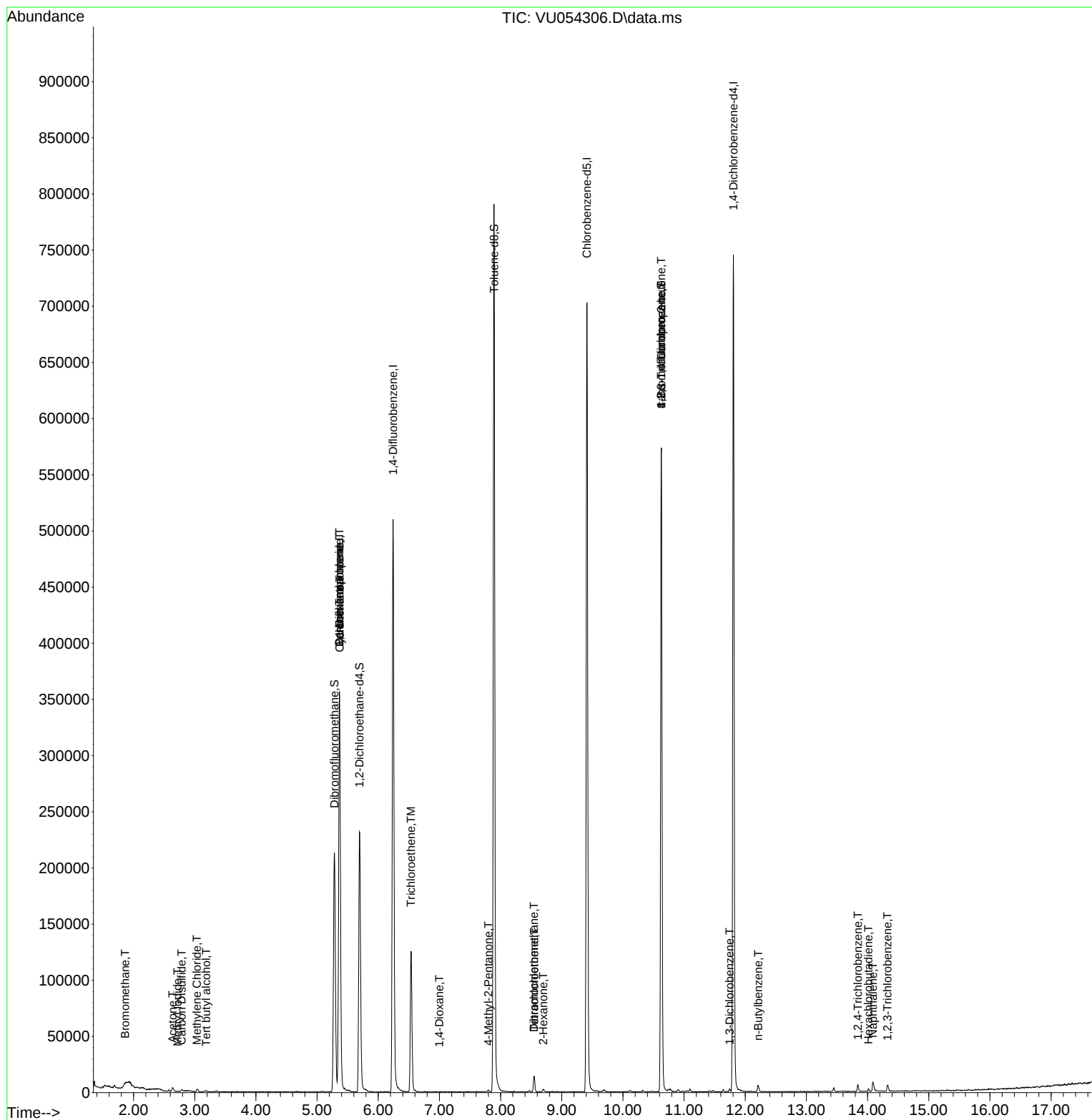
Internal Standards						
1) Pentafluorobenzene	5.366	168	255495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	423236	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	409650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	206447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	173880	51.916	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.840%			
35) Dibromofluoromethane	5.282	113	143895	52.795	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	7.893	98	529473	51.072	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.140%			
62) 4-Bromofluorobenzene	10.626	95	193051	48.025	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.060%			
Target Compounds					Qvalue	
5) Bromomethane	1.861	94	627	0.318	ug/l #	63
10) Methyl Iodide	2.719	142	400	2.451	ug/l #	55
11) Tert butyl alcohol	3.186	59	810	0.895	ug/l #	37
16) Acetone	2.639	43	2108	1.098	ug/l #	81
17) Carbon Disulfide	2.787	76	2138	0.263	ug/l	95
20) Methylene Chloride	3.035	84	1353	0.391	ug/l	93
31) Cyclohexane	5.369	56	5236	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19872	4.642	ug/l #	49
38) Carbon Tetrachloride	5.366	117	25009	5.708	ug/l #	16
44) Trichloroethene	6.536	130	43816	12.837	ug/l	90
49) 1,4-Dioxane	6.999	88	355	3.853	ug/l #	70
51) 4-Methyl-2-Pentanone	7.800	43	1484	0.309	ug/l	88
59) 2-Hexanone	8.697	43	1745	0.460	ug/l	88
60) Dibromochloromethane	8.546	129	3107	0.948	ug/l #	11
64) Tetrachloroethene	8.549	164	3448	1.118	ug/l	96
76) 1,2,3-Trichloropropane	10.626	75	98471	16.343	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.626	75	98471	62.232	ug/l #	15
87) 1,3-Dichlorobenzene	11.745	146	1374	0.202	ug/l	89
89) n-Butylbenzene	12.211	91	2814	0.258	ug/l	93
93) 1,2,4-Trichlorobenzene	13.841	180	2501	2.153	ug/l	90
94) Hexachlorobutadiene	14.015	225	517	1.051	ug/l	83
95) Naphthalene	14.086	128	9481	2.587	ug/l	95
96) 1,2,3-Trichlorobenzene	14.327	180	2503	1.773	ug/l	96

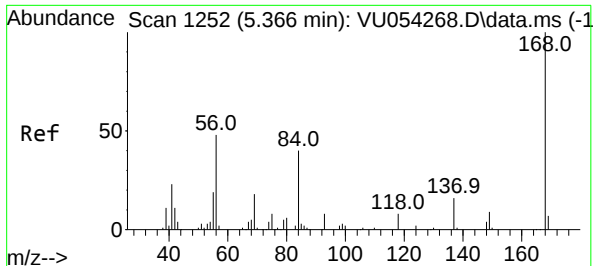
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
Data File : VU054306.D
Acq On : 30 May 2023 12:12
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Sample : 02912-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

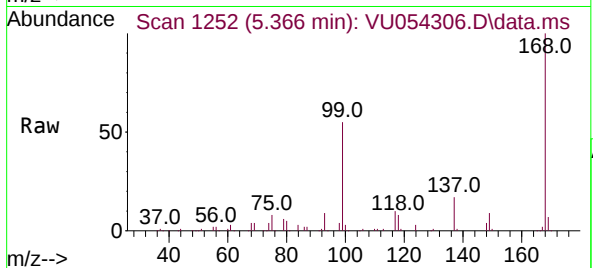
Quant Time: May 31 06:24:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration



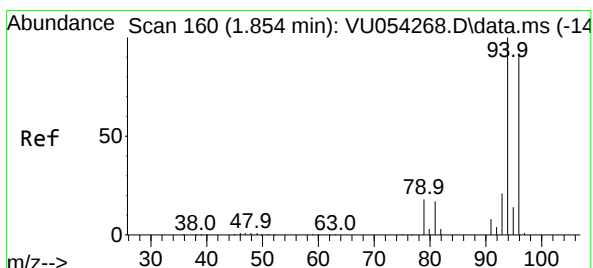
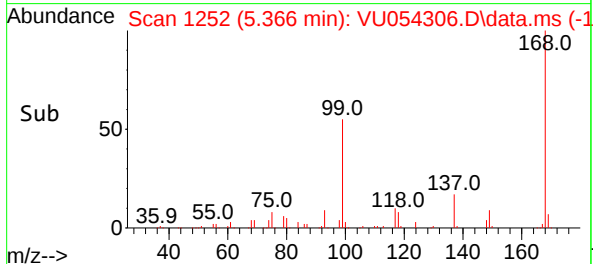
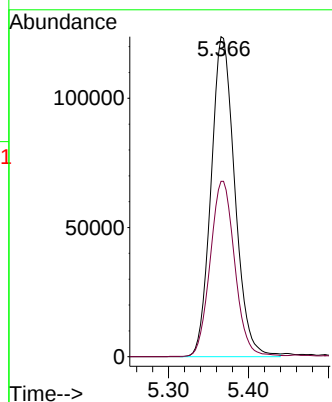


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

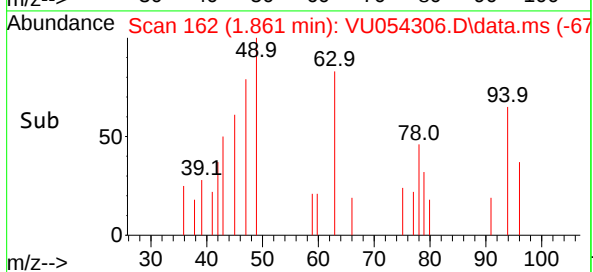
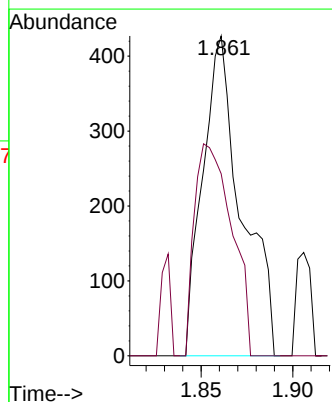
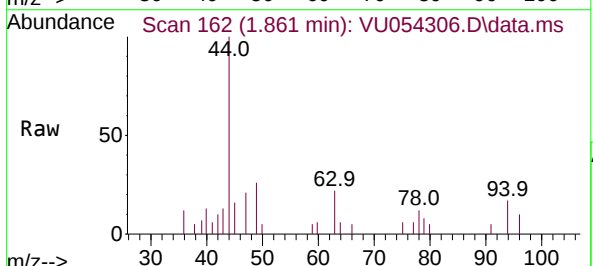


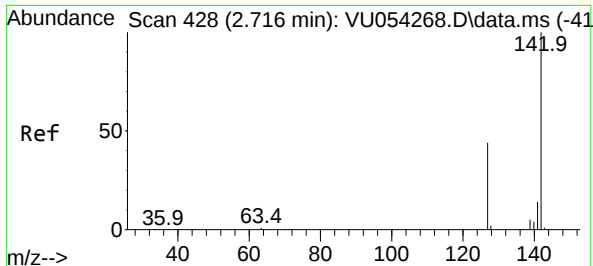
Tgt Ion:168 Resp: 255495
Ion Ratio Lower Upper
168 100
99 54.7 39.3 58.9



#5
Bromomethane
Concen: 0.318 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.007 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

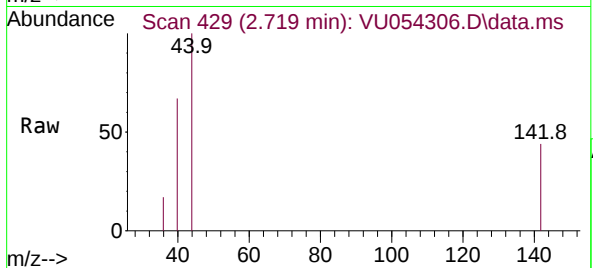
Tgt Ion: 94 Resp: 627
Ion Ratio Lower Upper
94 100
96 56.9 73.7 110.5#



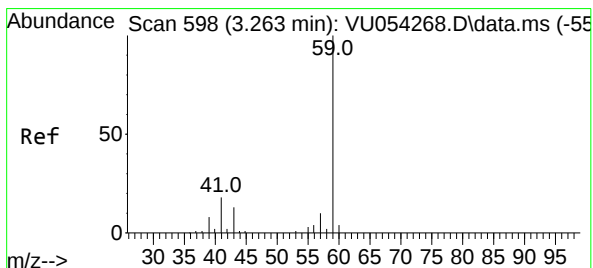
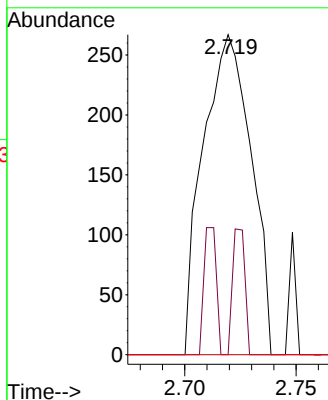
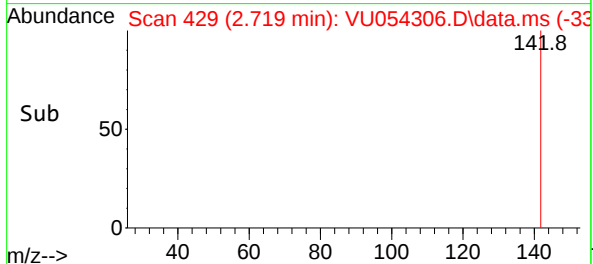


#10
Methyl Iodide
Concen: 2.451 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

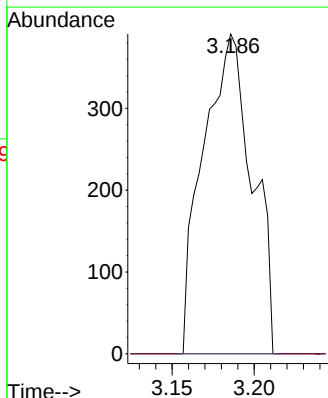
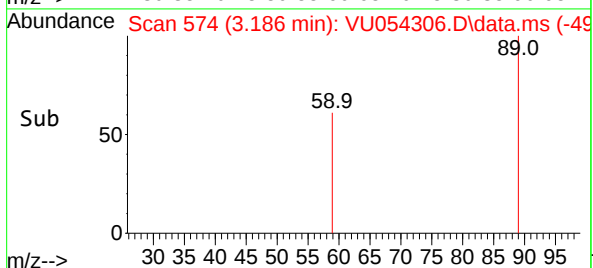
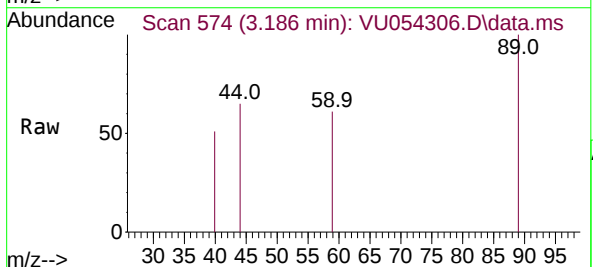


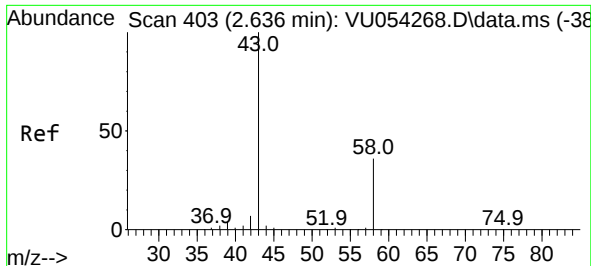
Tgt Ion:142 Resp: 400
Ion Ratio Lower Upper
142 100
127 10.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.895 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.057 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion: 59 Resp: 810
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#16

Acetone

Concen: 1.098 ug/l

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU054306.D

Acq: 30 May 2023 12:12

Instrument :

MSVOA_U

ClientSampleId :

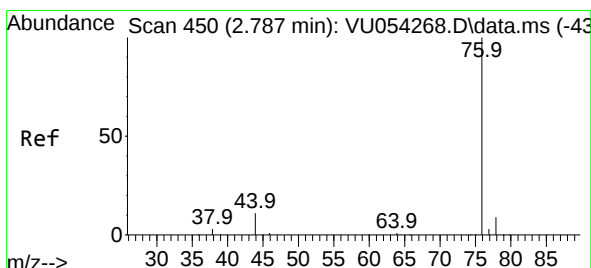
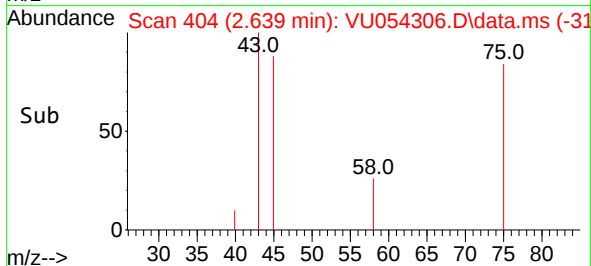
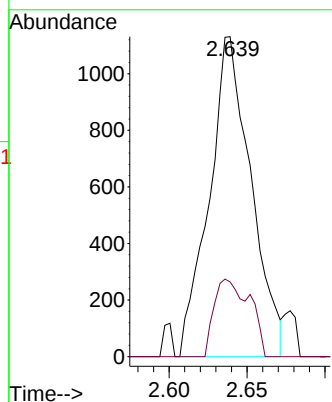
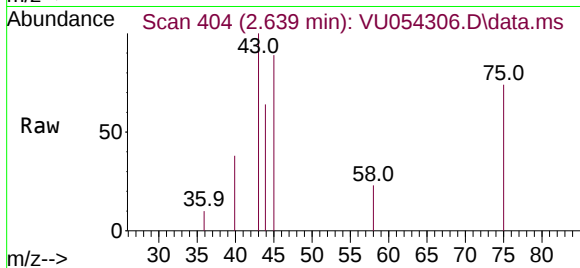
GM38-RW3-MW1-20230523

Tgt Ion: 43 Resp: 2108

Ion Ratio Lower Upper

43 100

58 23.3 27.5 41.3#



#17

Carbon Disulfide

Concen: 0.263 ug/l

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

Lab File: VU054306.D

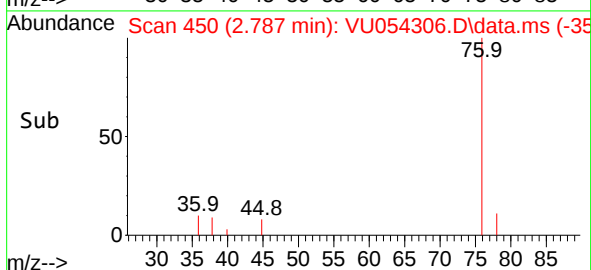
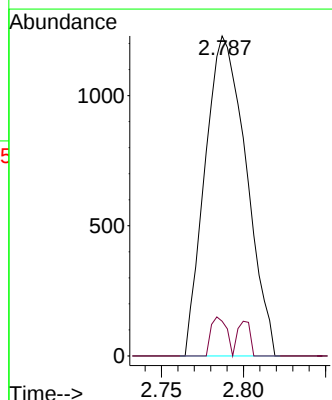
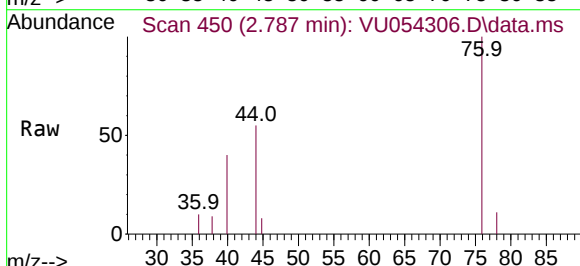
Acq: 30 May 2023 12:12

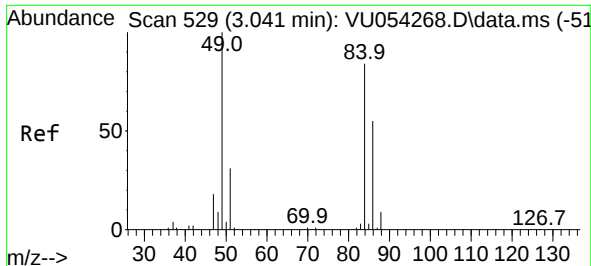
Tgt Ion: 76 Resp: 2138

Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9

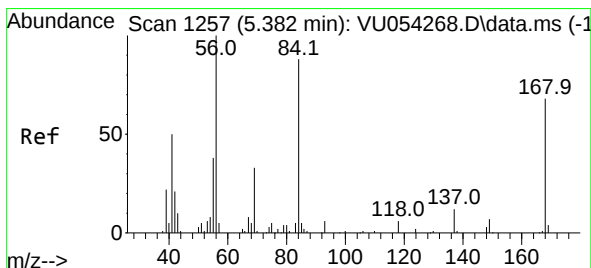
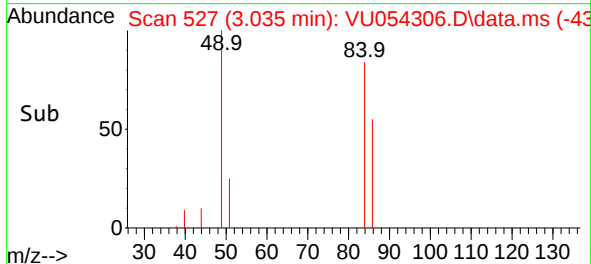
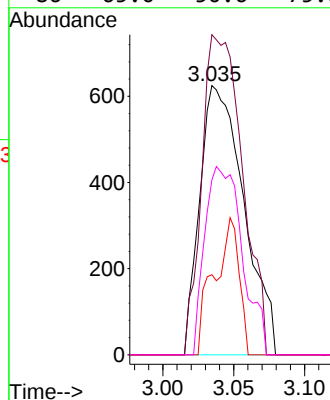
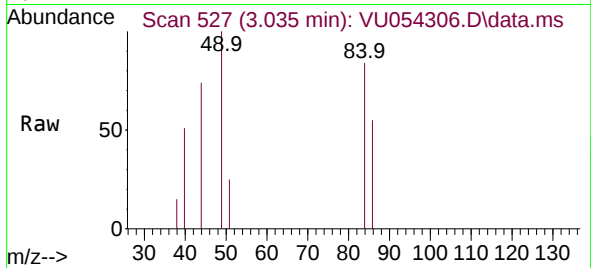




#20
Methylene Chloride
Concen: 0.391 ug/l
RT: 3.035 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

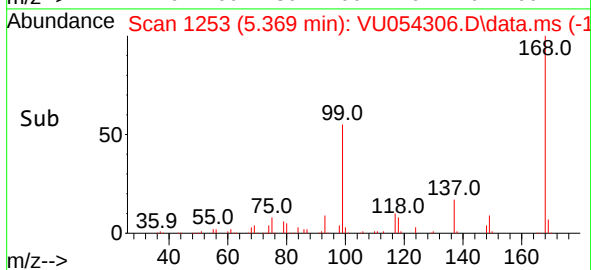
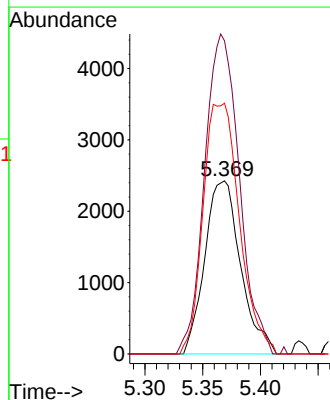
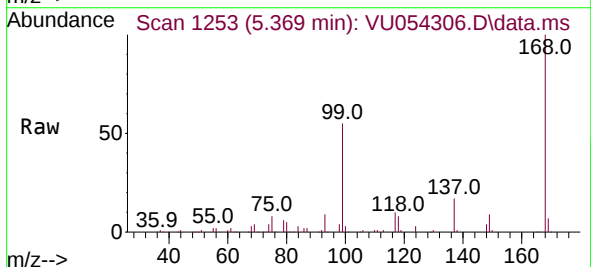
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

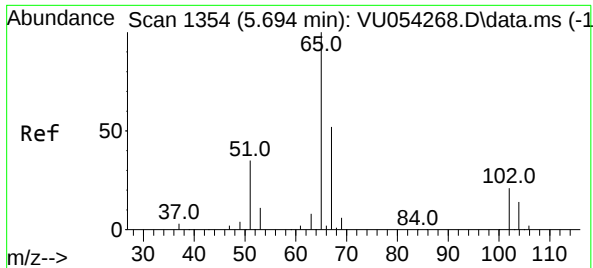
Tgt Ion: 84	Resp: 1353
Ion Ratio	Lower Upper
84 100	
49 118.9	86.6 129.8
51 29.8	26.6 40.0
86 65.0	50.6 75.8



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion: 56	Resp: 5236		
Ion Ratio	Lower	Upper	
56	100		
69	180.9	27.8	41.8#
84	144.8	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 51.916 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054306.D

Acq: 30 May 2023 12:12

Instrument :

MSVOA_U

ClientSampleId :

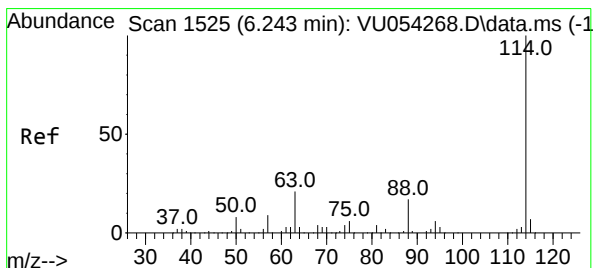
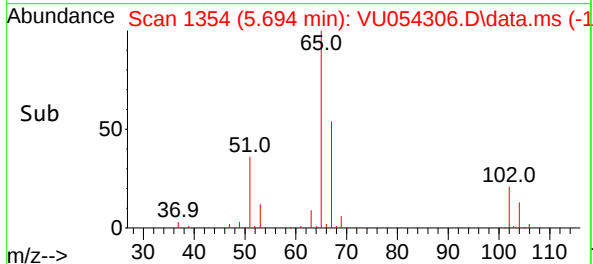
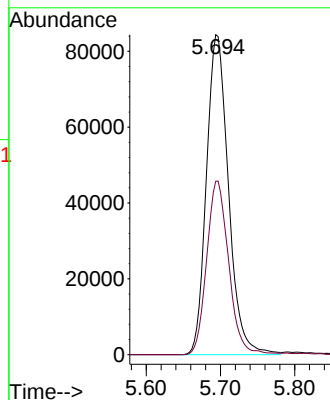
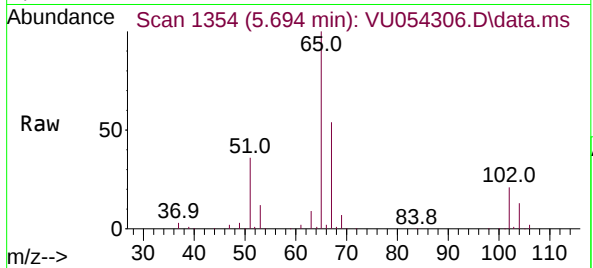
GM38-RW3-MW1-20230523

Tgt Ion: 65 Resp: 173880

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054306.D

Acq: 30 May 2023 12:12

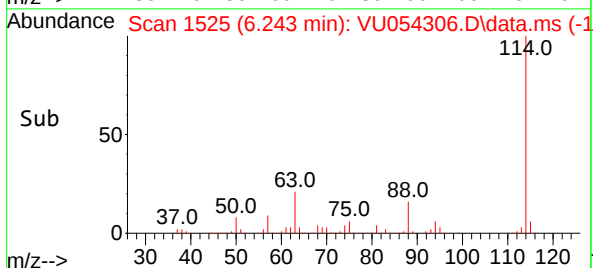
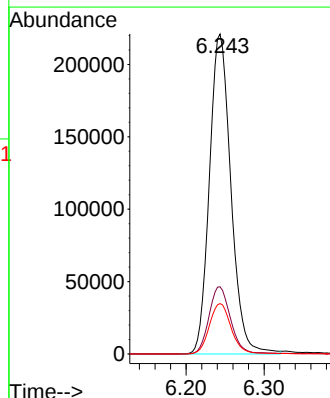
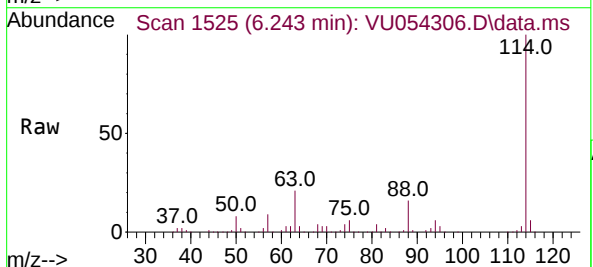
Tgt Ion: 114 Resp: 423236

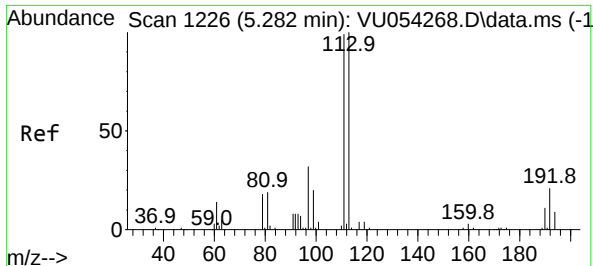
Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.8

88 15.8 0.0 29.2

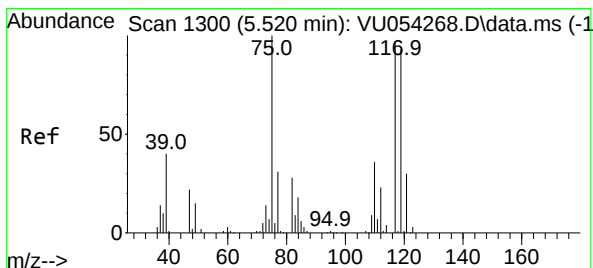
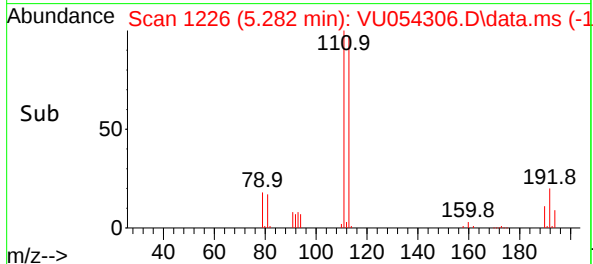
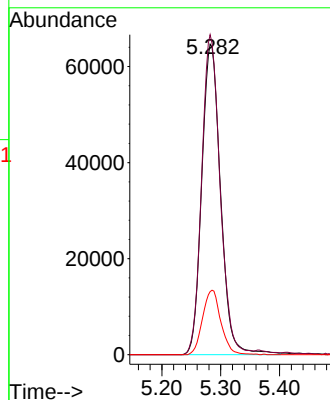
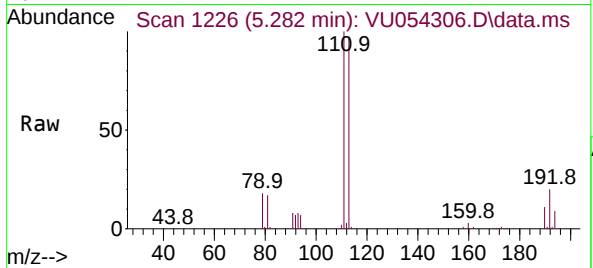




#35
Dibromofluoromethane
Concen: 52.795 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

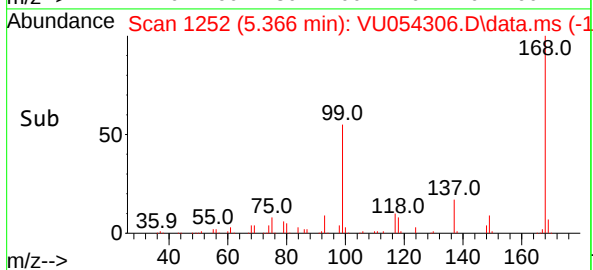
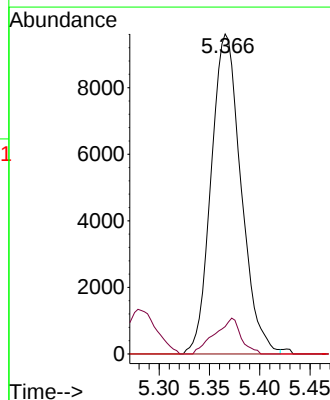
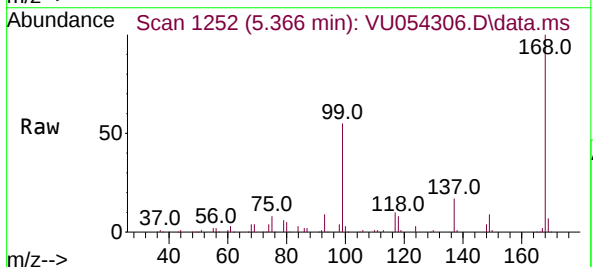
Instrument :
MSVOA_U
ClientSampleId :
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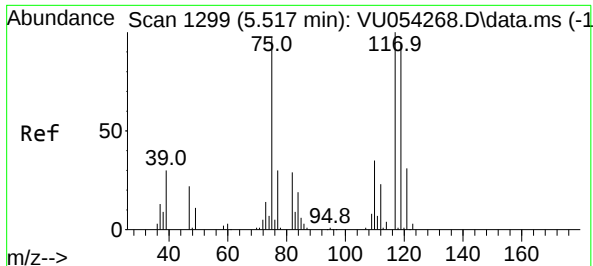
Tgt Ion:113 Resp: 143895
Ion Ratio Lower Upper
113 100
111 100.9 82.1 123.1
192 20.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.642 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

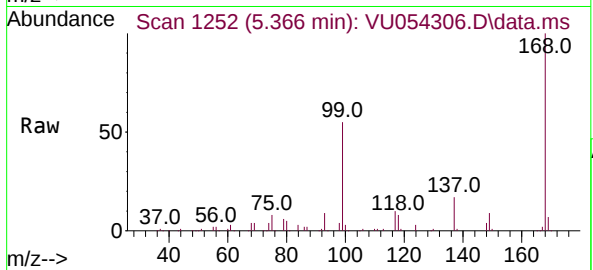
Tgt Ion: 75 Resp: 19872
Ion Ratio Lower Upper
75 100
110 9.8 18.4 55.2#
77 0.0 25.1 37.7#



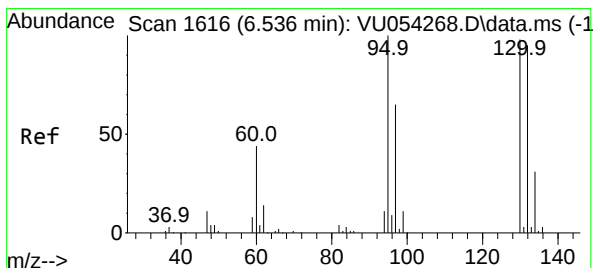
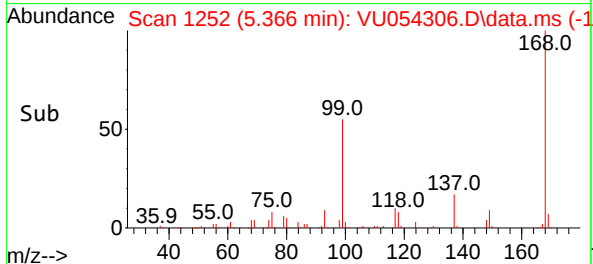
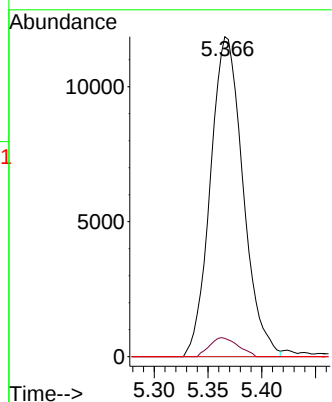


#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 5.366 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

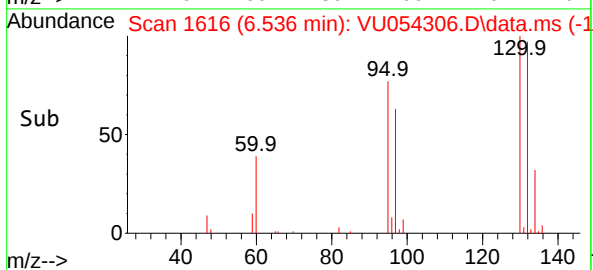
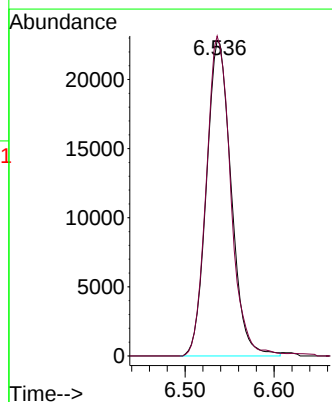
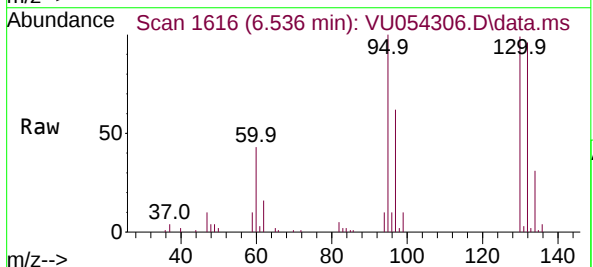


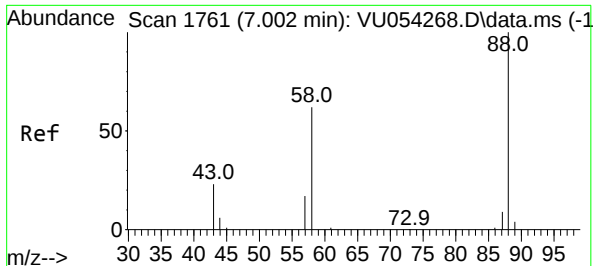
Tgt Ion:117 Resp: 25009
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 12.837 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion:130 Resp: 43816
Ion Ratio Lower Upper
130 100
95 101.4 0.0 184.6





#49

1,4-Dioxane

Concen: 3.853 ug/l

RT: 6.999 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054306.D

Acq: 30 May 2023 12:12

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523

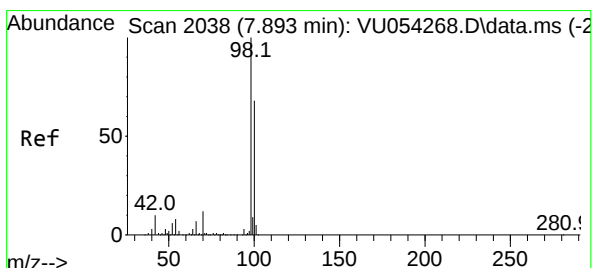
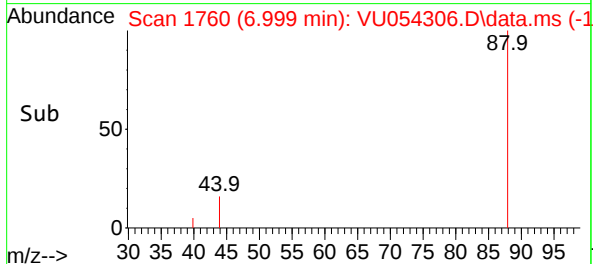
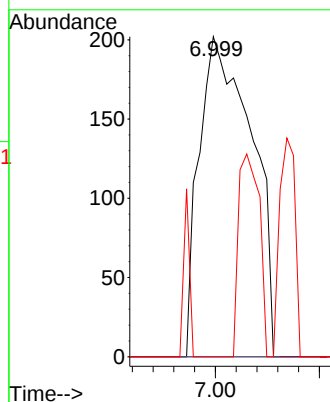
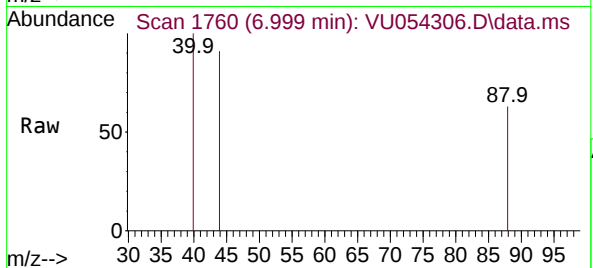
Tgt Ion: 88 Resp: 355

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 5.6 15.4 23.0#



#50

Toluene-d8

Concen: 51.072 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054306.D

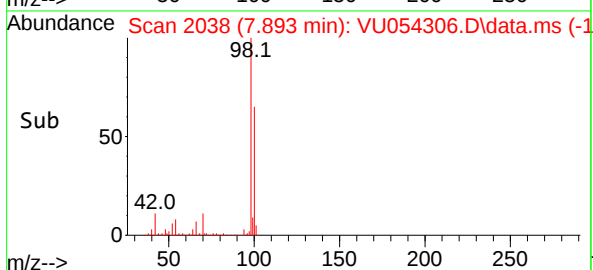
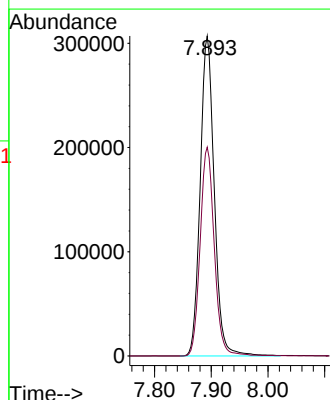
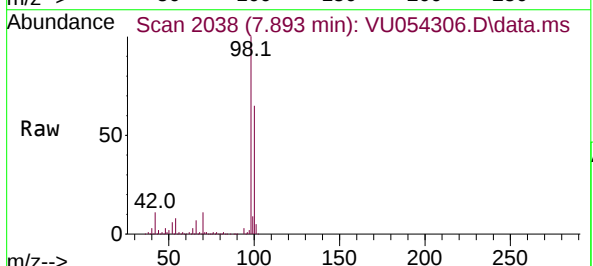
Acq: 30 May 2023 12:12

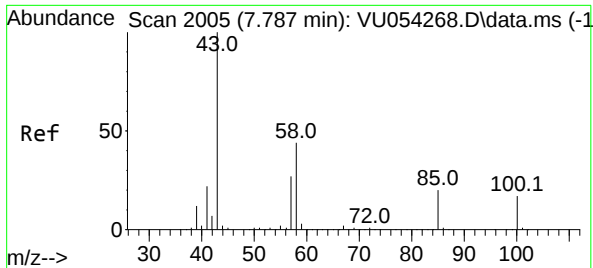
Tgt Ion: 98 Resp: 529473

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5

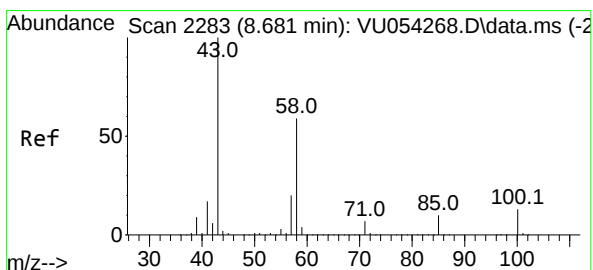
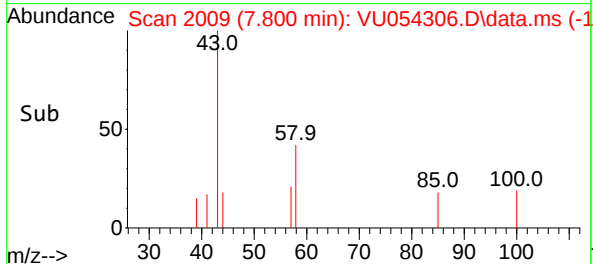
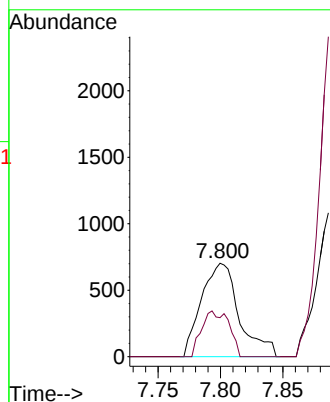
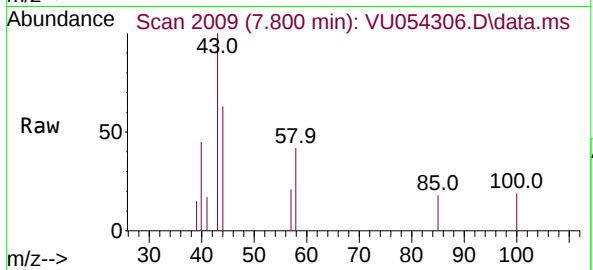




#51
4-Methyl-2-Pentanone
Concen: 0.309 ug/l
RT: 7.800 min Scan# 2005
Delta R.T. 0.013 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

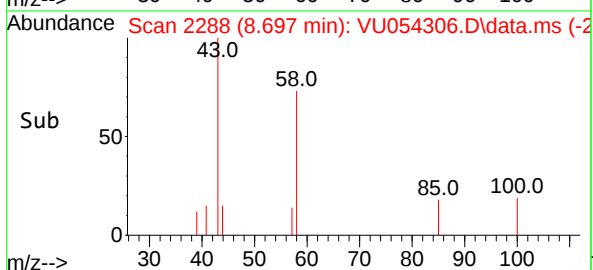
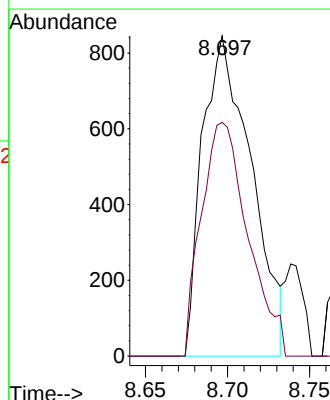
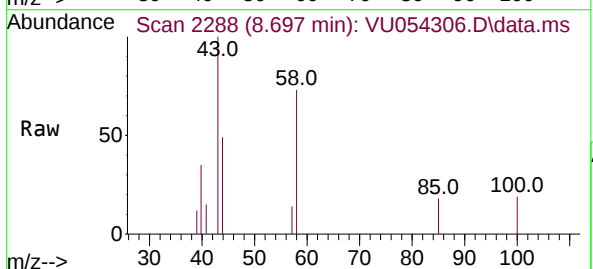
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

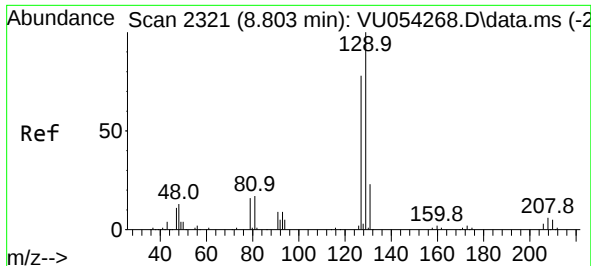
Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 35.4 34.7 52.1



#59
2-Hexanone
Concen: 0.460 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.016 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
58 69.7 30.3 90.8

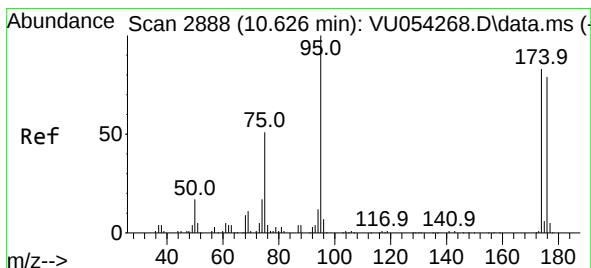
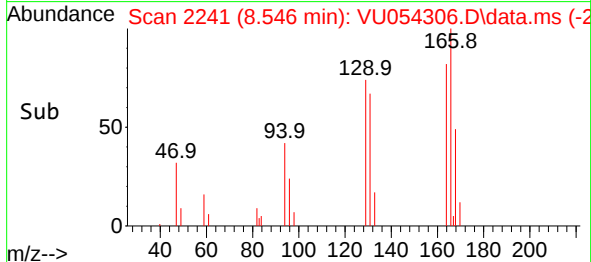
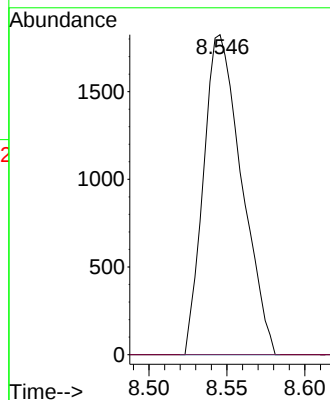
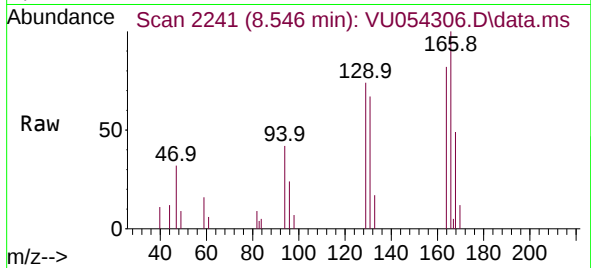




#60
Dibromochloromethane
Concen: 0.948 ug/l
RT: 8.546 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

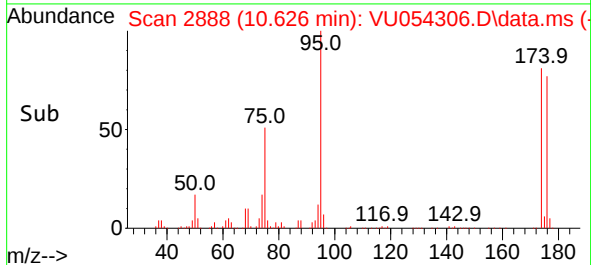
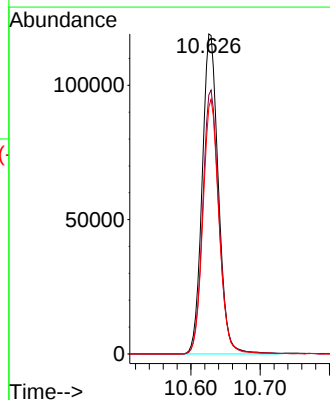
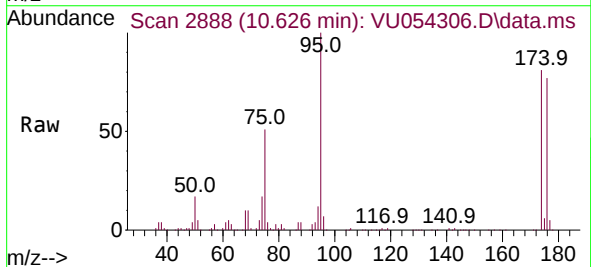
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

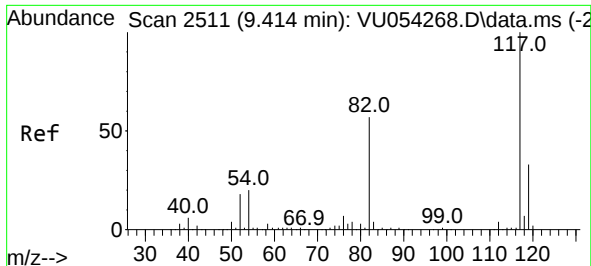
Tgt Ion:129 Resp: 3107
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 48.025 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion: 95 Resp: 193051
Ion Ratio Lower Upper
95 100
174 82.7 0.0 182.0
176 79.0 0.0 177.8

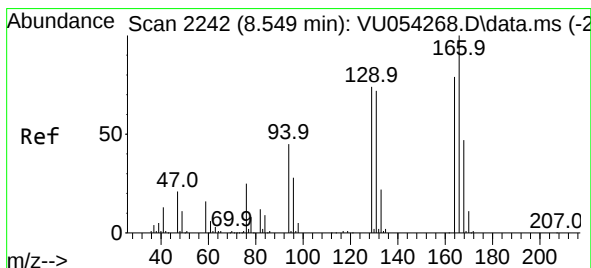
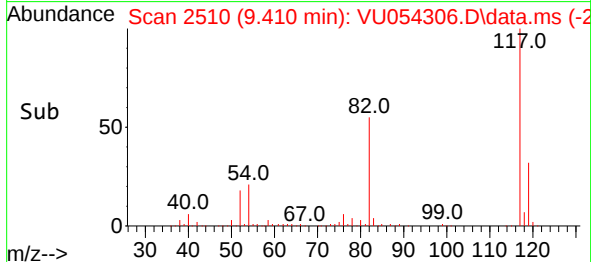
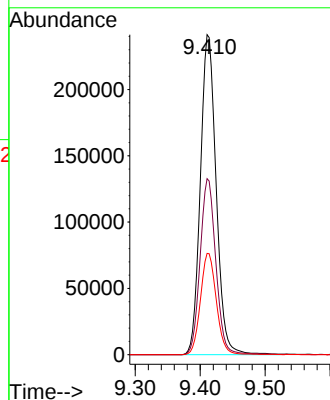
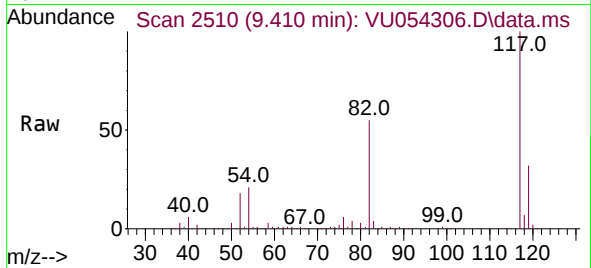




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 211
Delta R.T. -0.004 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

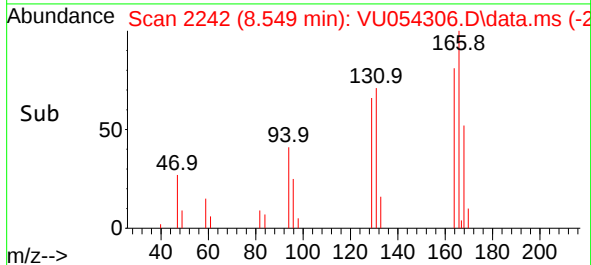
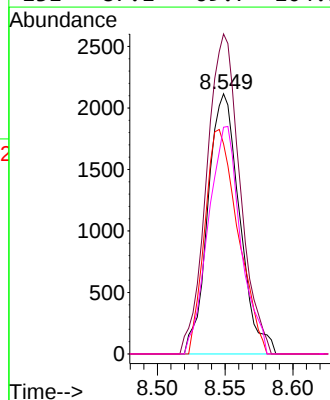
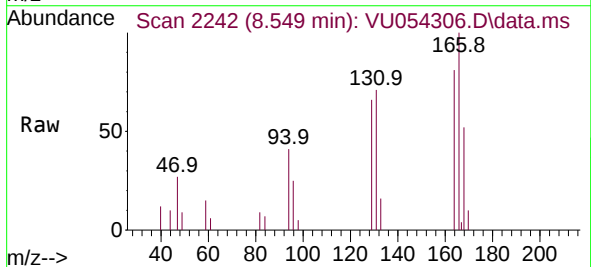
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

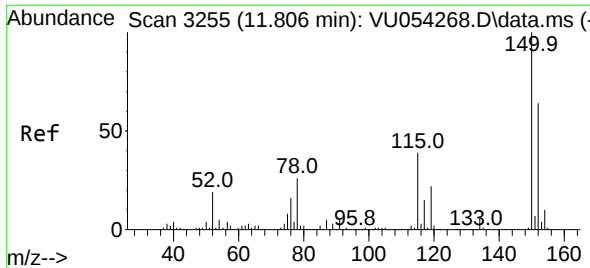
Tgt Ion:117 Resp: 409650
Ion Ratio Lower Upper
117 100
82 55.0 41.7 62.5
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 1.118 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion:164 Resp: 3448
Ion Ratio Lower Upper
164 100
166 123.0 100.0 150.0
129 80.8 72.0 108.0
131 87.1 69.7 104.5

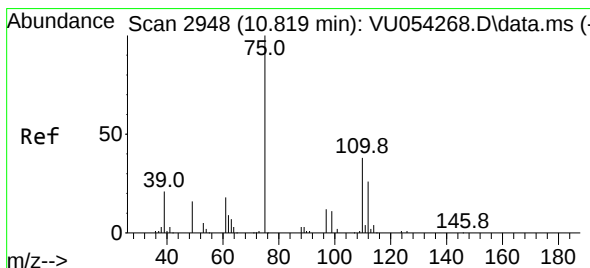
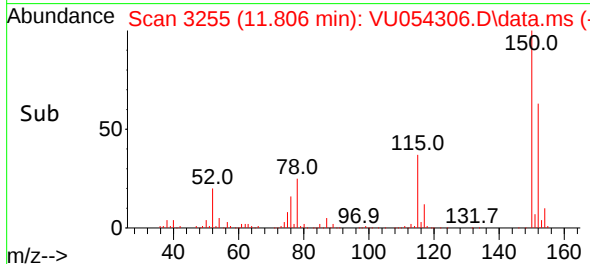
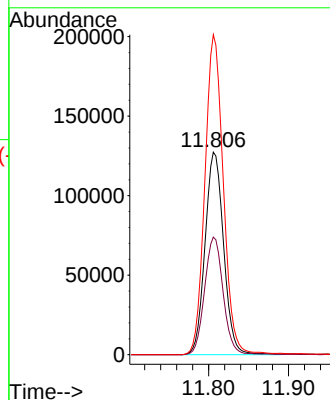
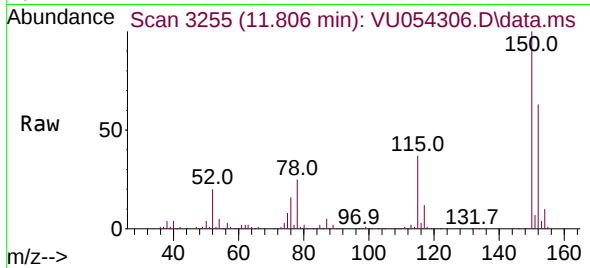




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054306.D
 Acq: 30 May 2023 12:12

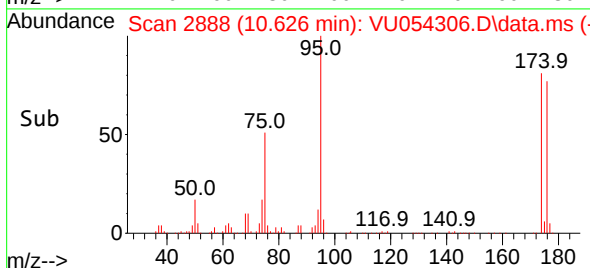
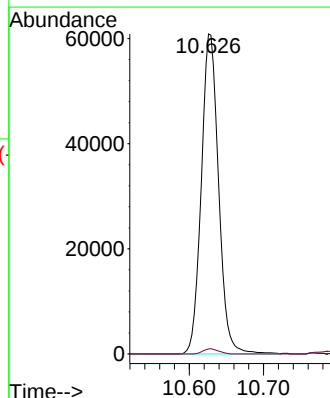
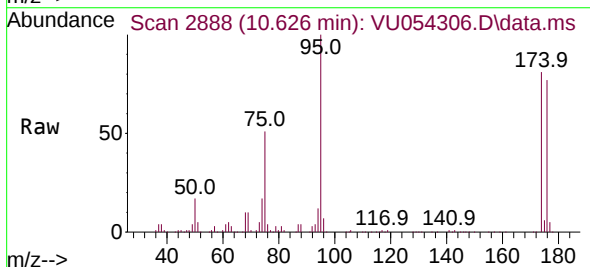
Instrument :
 MSVOA_U
 ClientSampleId :
 GM38-RW3-MW1-20230523

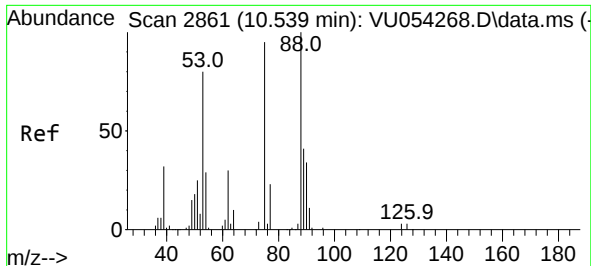
Tgt Ion:152 Resp: 206447
 Ion Ratio Lower Upper
 152 100
 115 58.0 37.0 110.9
 150 156.4 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.343 ug/l
 RT: 10.626 min Scan# 2888
 Delta R.T. -0.193 min
 Lab File: VU054306.D
 Acq: 30 May 2023 12:12

Tgt Ion: 75 Resp: 98471
 Ion Ratio Lower Upper
 75 100
 77 1.5 15.8 47.3#

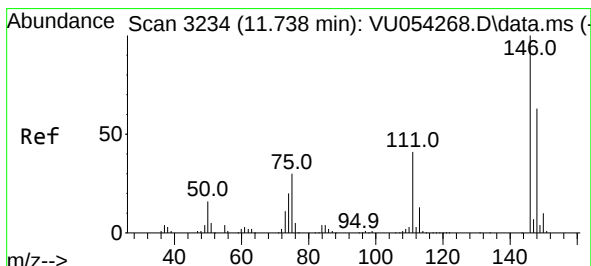
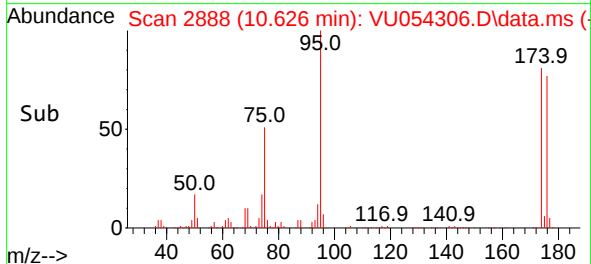
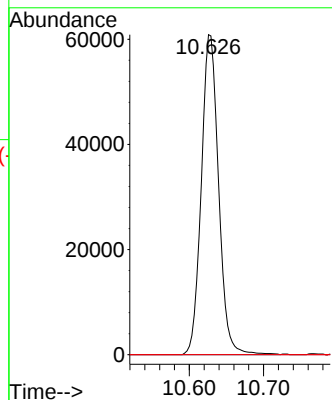
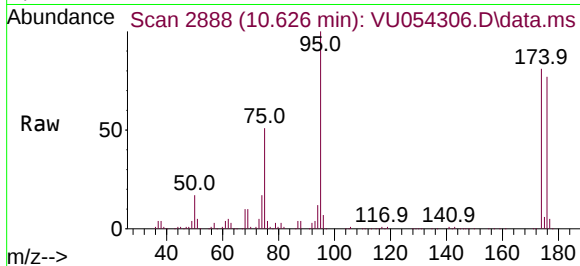




#81
trans-1,4-Dichloro-2-butene
Concen: 62.232 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

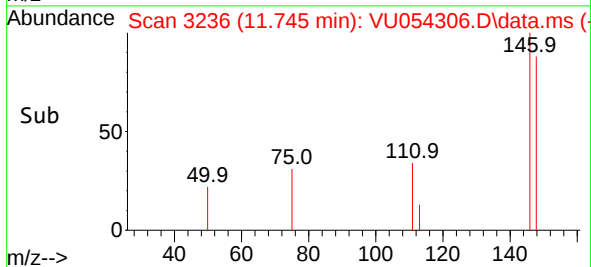
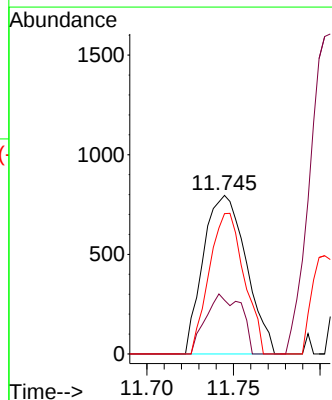
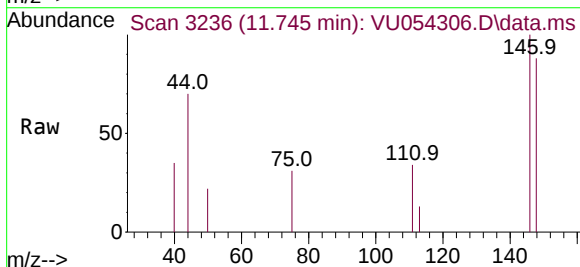
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

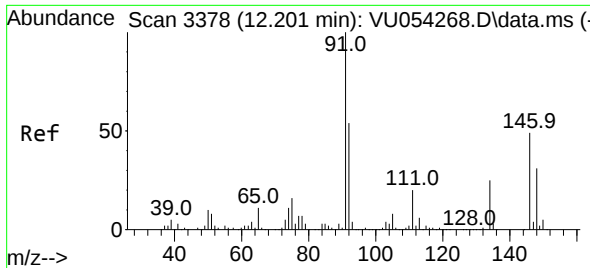
Tgt Ion: 75 Resp: 98471
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.202 ug/l
RT: 11.745 min Scan# 3236
Delta R.T. 0.007 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion:146 Resp: 1374
Ion Ratio Lower Upper
146 100
111 30.9 18.9 56.5
148 71.8 31.9 95.9

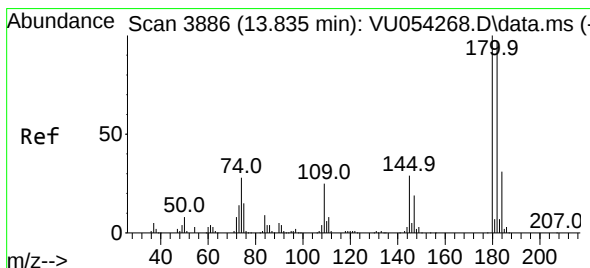
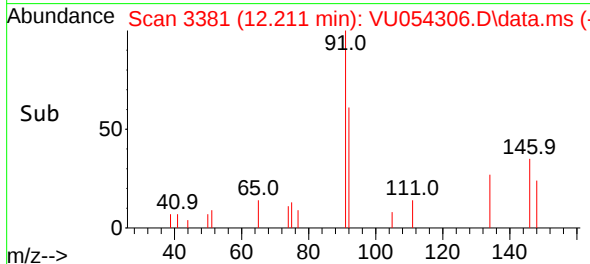
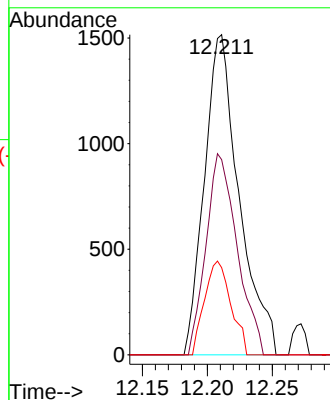
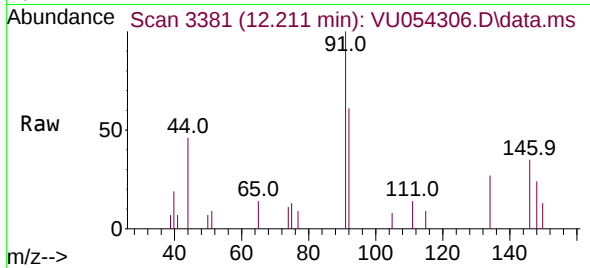




#89
n-Butylbenzene
Concen: 0.258 ug/l
RT: 12.211 min Scan# 311
Delta R.T. 0.010 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

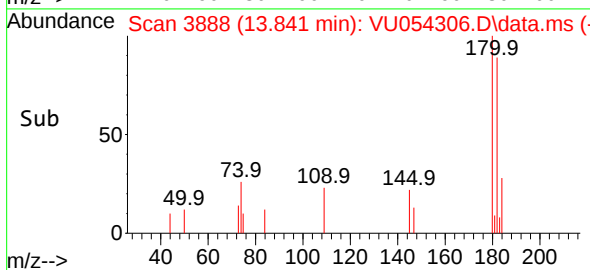
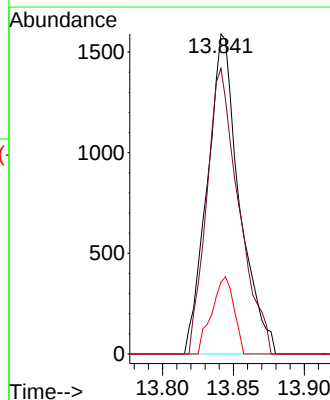
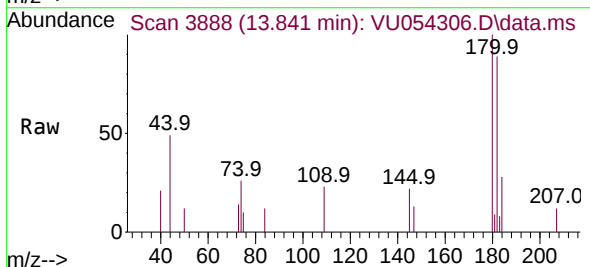
Instrument :
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ClientSampleId :
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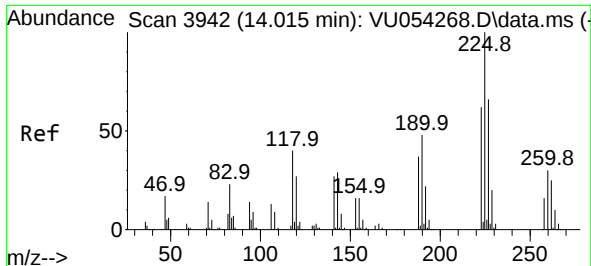
Tgt Ion:	91	Resp:	2814
Ion	Ratio	Lower	Upper
91	100		
92	56.4	26.2	78.6
134	22.2	13.5	40.4



#93
1,2,4-Trichlorobenzene
Concen: 2.153 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion:	180	Resp:	2501
Ion	Ratio	Lower	Upper
180	100		
182	89.4	47.9	143.6
145	16.6	14.0	41.9

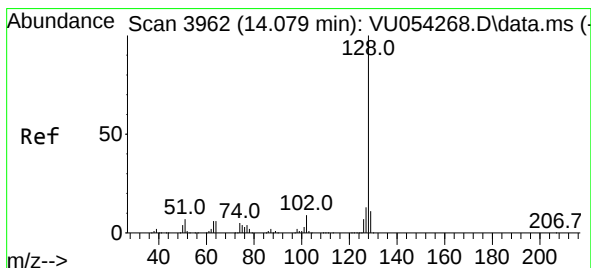
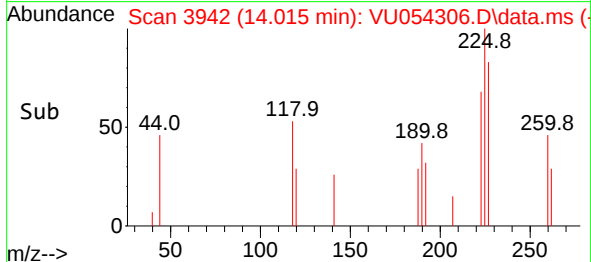
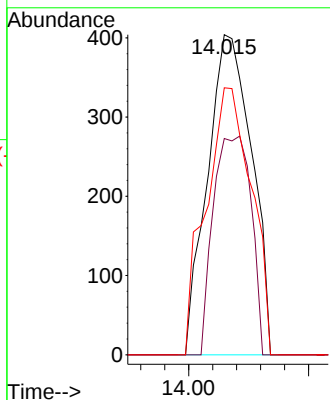
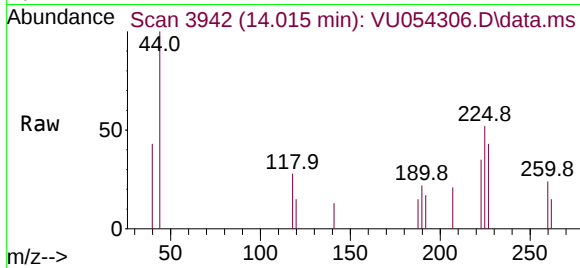




#94
Hexachlorobutadiene
Concen: 1.051 ug/l
RT: 14.015 min Scan# 3942
Delta R.T. -0.000 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

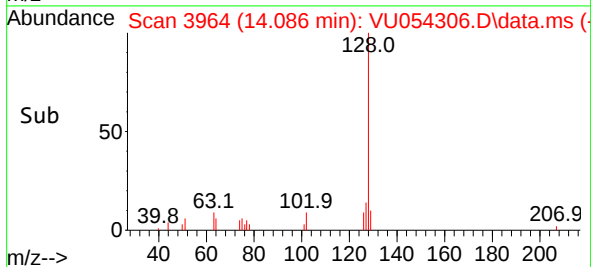
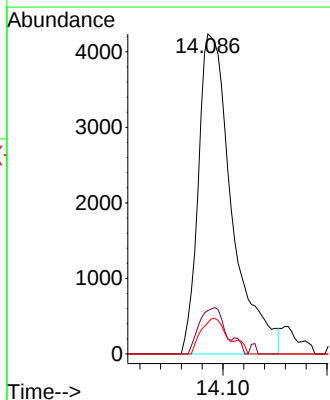
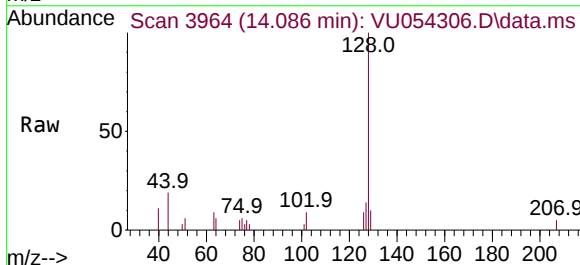
Instrument :
MSVOA_U
ClientSampleId :
GM38-RW3-MW1-20230523

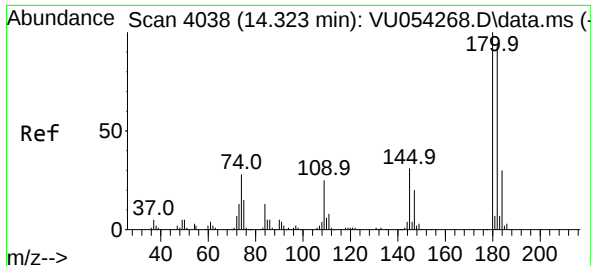
Tgt Ion:	225	Resp:	517
Ion	Ratio	Lower	Upper
225	100		
223	58.2	31.3	93.9
227	85.9	32.0	96.2



#95
Naphthalene
Concen: 2.587 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. 0.007 min
Lab File: VU054306.D
Acq: 30 May 2023 12:12

Tgt Ion:	128	Resp:	9481
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.3	15.5
129	9.2	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.773 ug/l

RT: 14.327 min Scan# 40

Delta R.T. 0.004 min

Lab File: VU054306.D

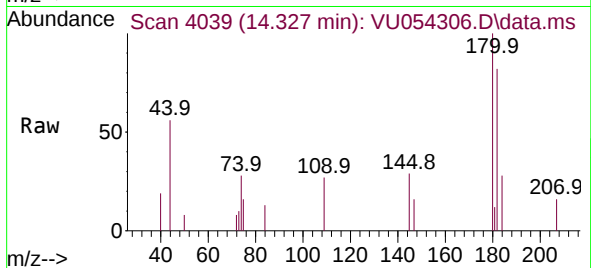
Acq: 30 May 2023 12:12

Instrument :

MSVOA_U

ClientSampleId :

GM38-RW3-MW1-20230523



Tgt Ion:180 Resp: 2503

Ion Ratio Lower Upper

180 100

182 92.9 48.4 145.0

145 27.4 14.8 44.4

