

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054324.D
 Acq On : 30 May 2023 19:19
 Operator : JC/MD
 Sample : 02912-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D2-20230523

Quant Time: May 31 06:31:04 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

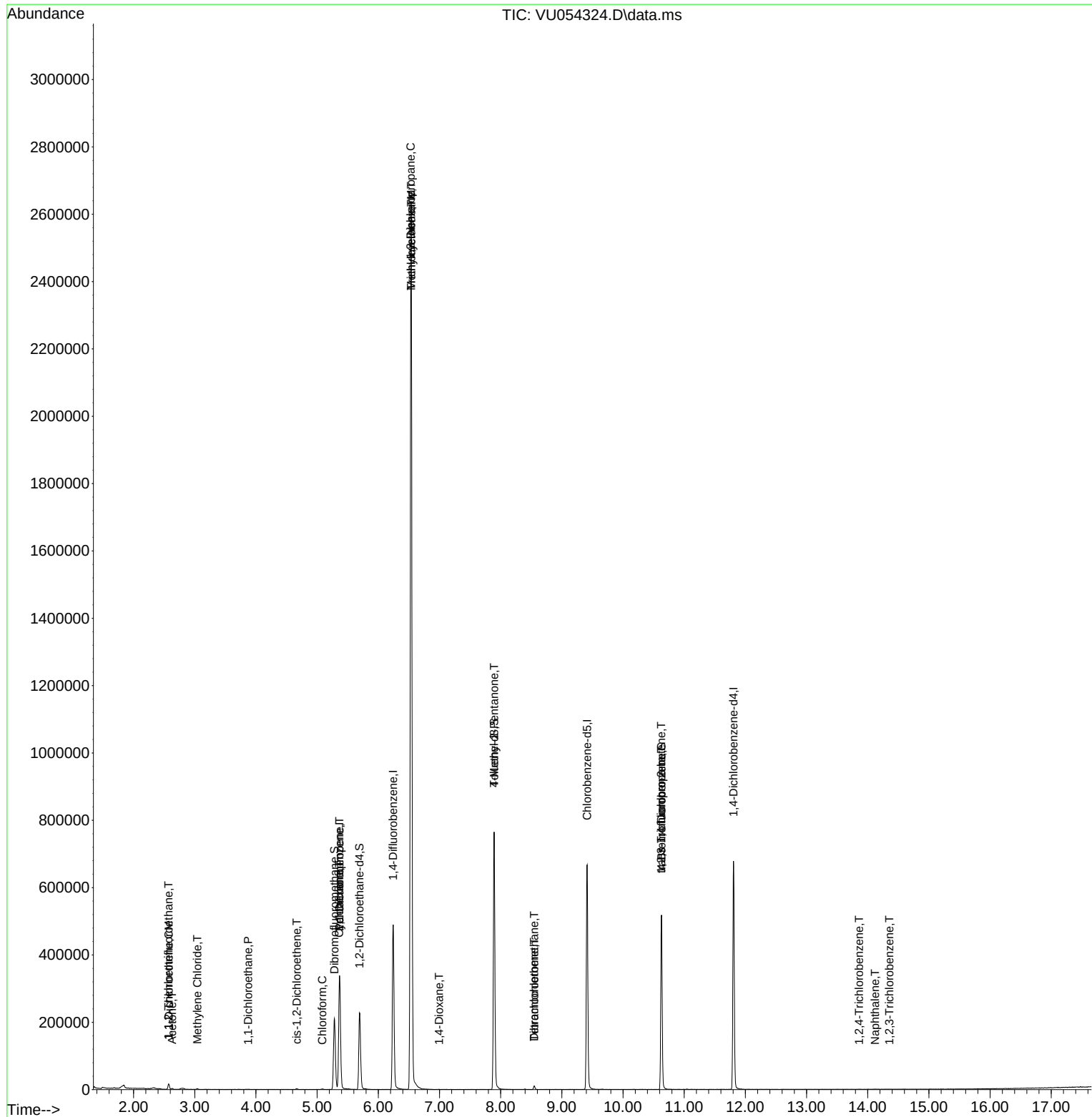
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.366	168	246930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	407932	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	384826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	186495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	168295	51.991	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.980%	
35) Dibromofluoromethane	5.282	113	137273	52.255	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.500%	
50) Toluene-d8	7.893	98	507951	50.835	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	10.629	95	172390	44.494	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.980%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.571	101	5838	2.276	ug/l	92
12) 1,1-Dichloroethene	2.575	96	733	0.276	ug/l	96
16) Acetone	2.629	43	2704	1.457	ug/l	99
20) Methylene Chloride	3.041	84	1117	0.334	ug/l #	78
24) 1,1-Dichloroethane	3.870	63	1056	0.202	ug/l #	82
27) cis-1,2-Dichloroethene	4.668	96	1318	0.417	ug/l	93
30) Chloroform	5.083	83	1476	0.278	ug/l #	79
31) Cyclohexane	5.362	56	4807	1.052	ug/l #	17
36) 1,1-Dichloropropene	5.366	75	19618	4.755	ug/l #	49
39) Methylcyclohexane	6.536	83	10988	2.351	ug/l #	1
44) Trichloroethene	6.536	130	912159	277.255	ug/l	92
45) 1,2-Dichloropropane	6.530	63	3072	1.001	ug/l #	1
49) 1,4-Dioxane	6.993	88	83	0.935	ug/l #	89
51) 4-Methyl-2-Pentanone	7.893	43	1931	0.417	ug/l #	1
60) Dibromochloromethane	8.549	129	2228	0.705	ug/l #	11
64) Tetrachloroethene	8.549	164	2268	0.783	ug/l #	88
76) 1,2,3-Trichloropropane	10.626	75	88893	16.332	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	88893	62.190	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.860	180	66	1.658	ug/l #	12
95) Naphthalene	14.118	128	446	2.022	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.352	180	70	1.271	ug/l #	35

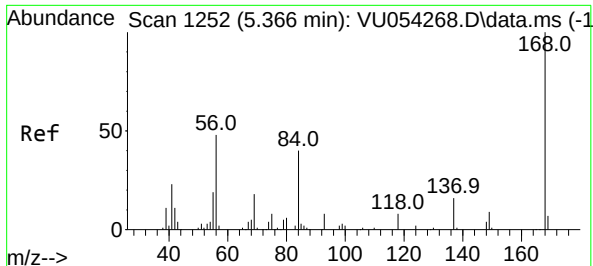
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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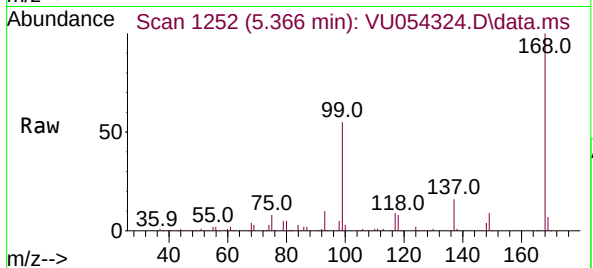
Quant Time: May 31 06:31:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
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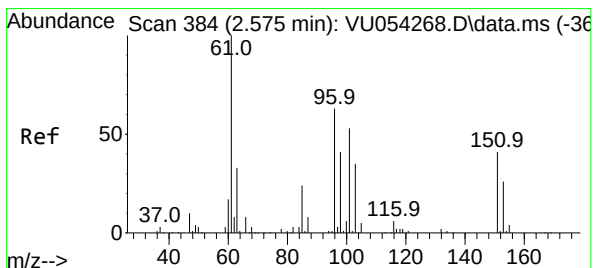
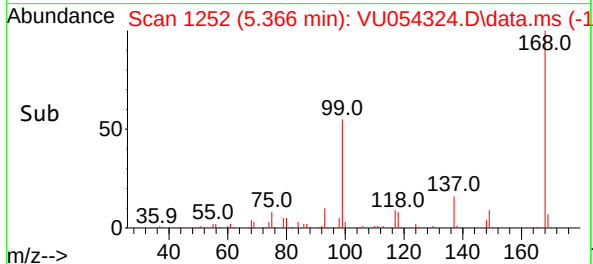
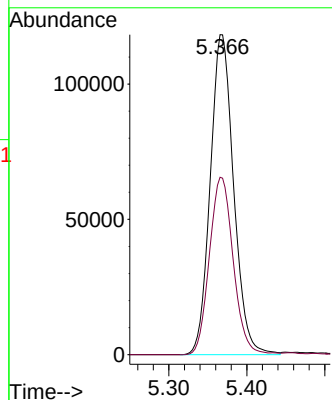


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Instrument :
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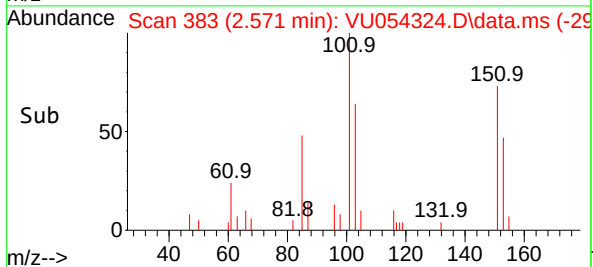
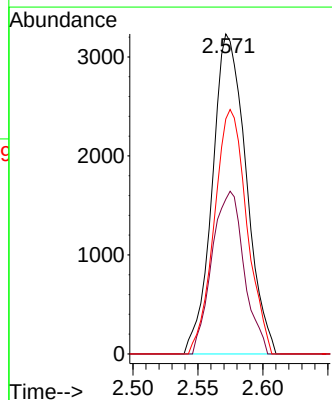
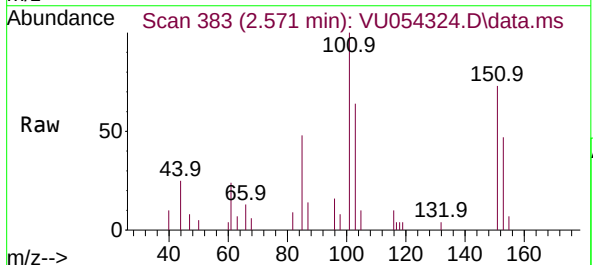


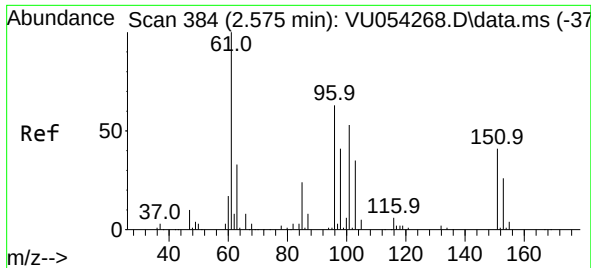
Tgt Ion:168 Resp: 246930
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.276 ug/l
RT: 2.571 min Scan# 383
Delta R.T. -0.004 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Tgt Ion:101 Resp: 5838
Ion Ratio Lower Upper
101 100
85 48.3 33.9 50.9
151 73.6 64.0 96.0

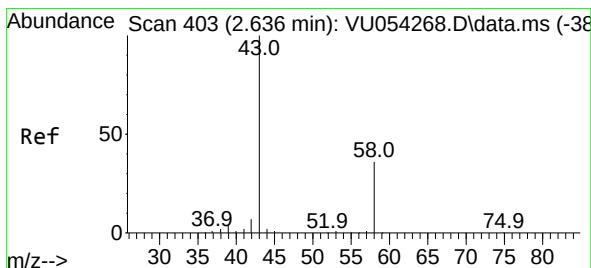
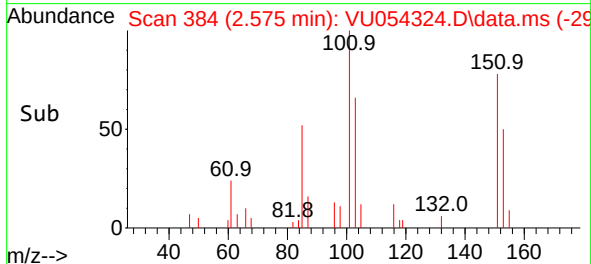
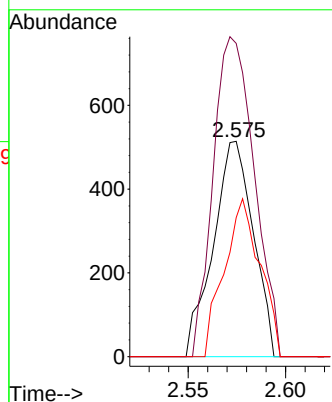
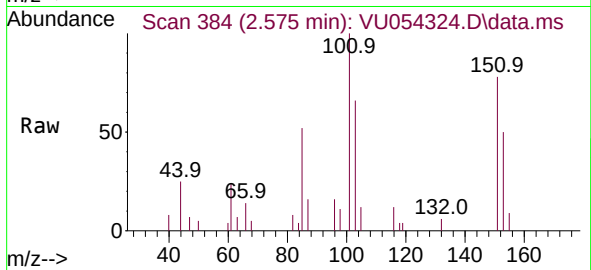




#12
 1,1-Dichloroethene
 Concen: 0.276 ug/l
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU054324.D
 Acq: 30 May 2023 19:19

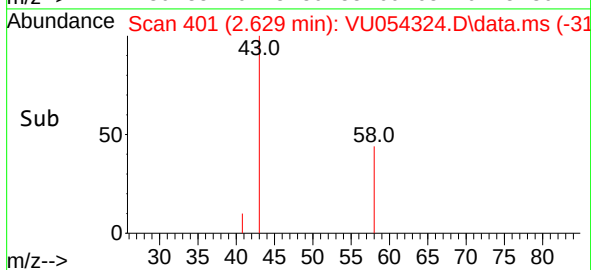
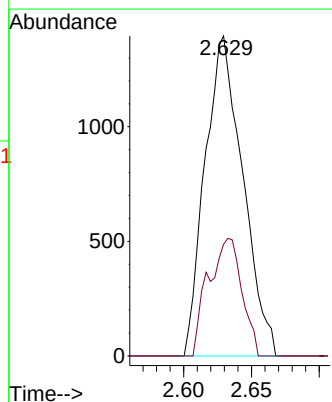
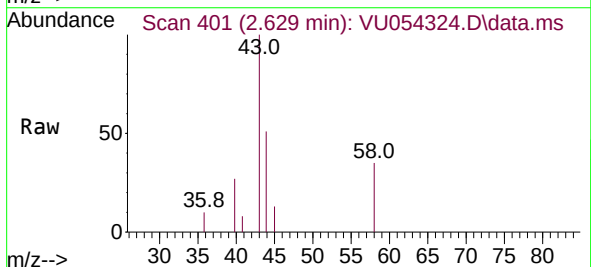
Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D2-20230523

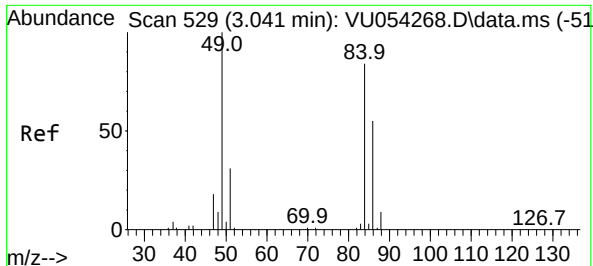
Tgt Ion:	96	Resp:	733
Ion	Ratio	Lower	Upper
96	100		
61	145.5	122.2	183.2
98	64.6	50.7	76.1



#16
 Acetone
 Concen: 1.457 ug/l
 RT: 2.629 min Scan# 401
 Delta R.T. -0.007 min
 Lab File: VU054324.D
 Acq: 30 May 2023 19:19

Tgt Ion:	43	Resp:	2704
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.5	41.3

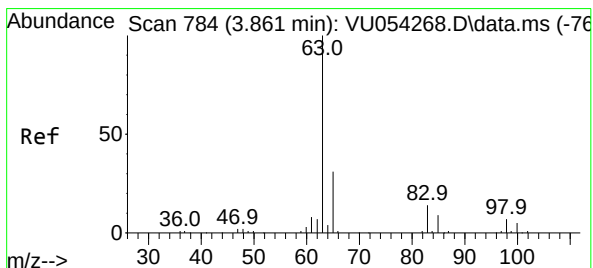
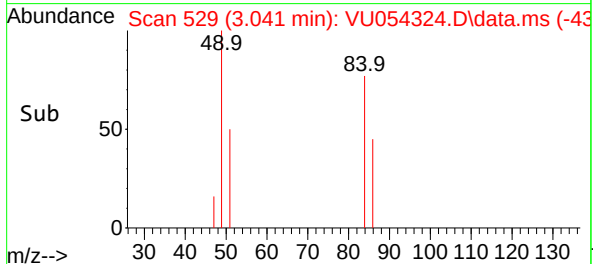
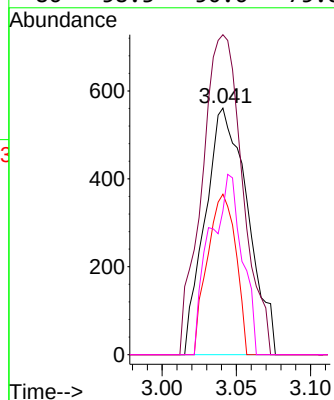
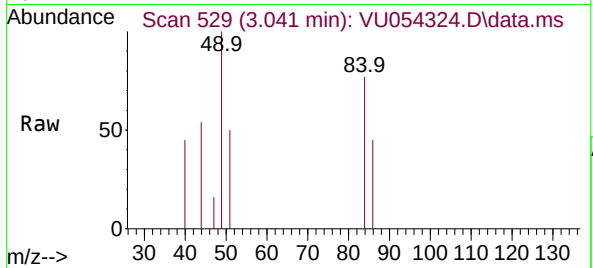




#20
Methylene Chloride
Concen: 0.334 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

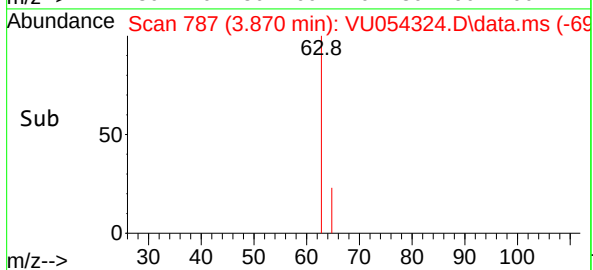
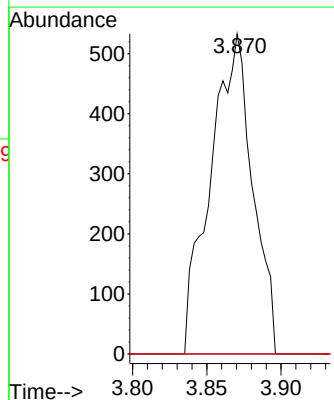
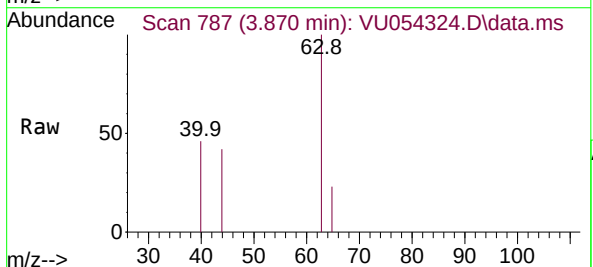
Instrument :
MSVOA_U
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RE103D2-20230523

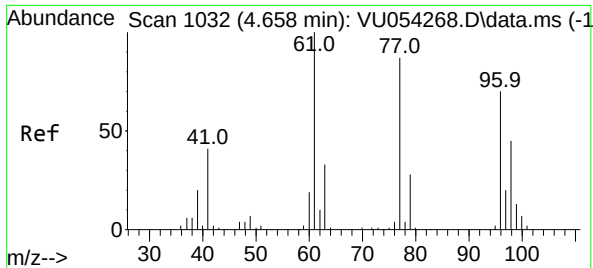
Tgt Ion:	84	Resp:	1117
Ion	Ratio	Lower	Upper
84	100		
49	129.8	86.6	129.8
51	65.1	26.6	40.0#
86	58.3	50.6	75.8



#24
1,1-Dichloroethane
Concen: 0.202 ug/l
RT: 3.870 min Scan# 787
Delta R.T. 0.009 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Tgt Ion:	63	Resp:	1056
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.9#
100	0.0	2.4	7.2#

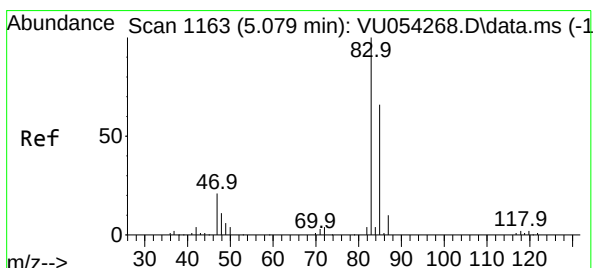
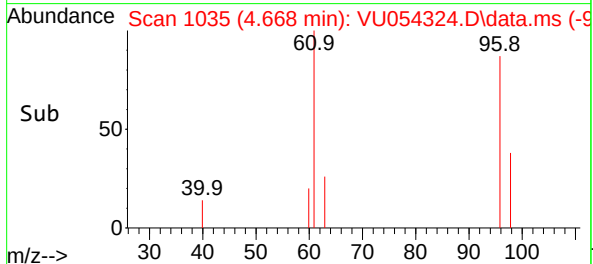
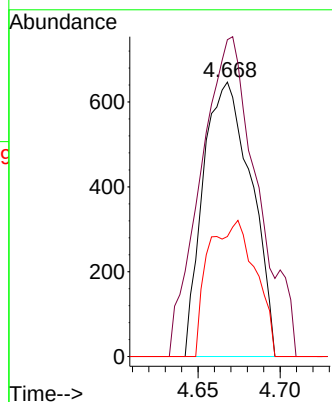
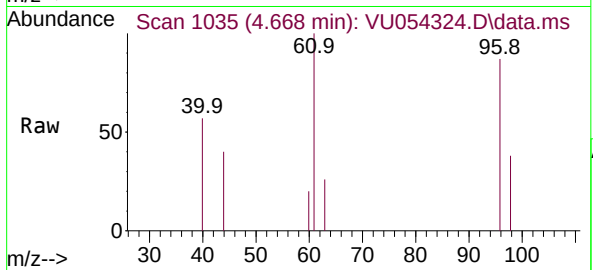




#27
 cis-1,2-Dichloroethene
 Concen: 0.417 ug/l
 RT: 4.668 min Scan# 1103
 Delta R.T. 0.010 min
 Lab File: VU054324.D
 Acq: 30 May 2023 19:19

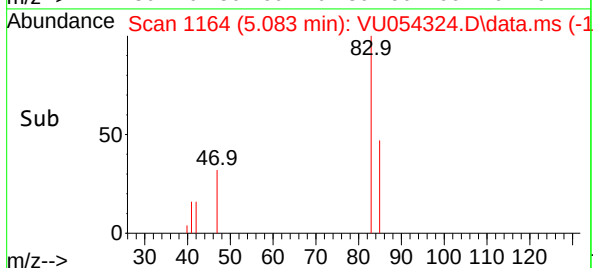
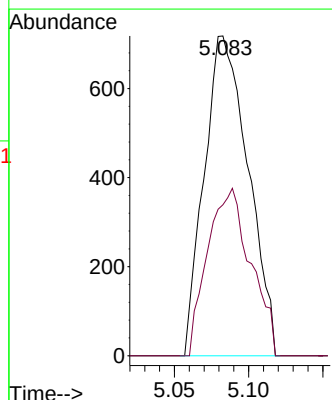
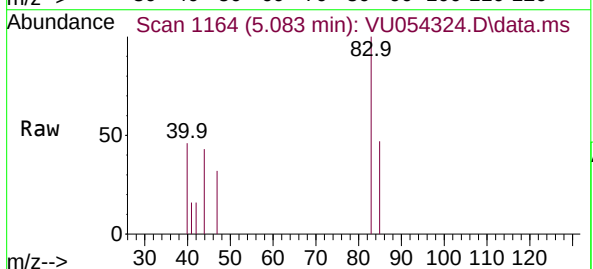
Instrument :
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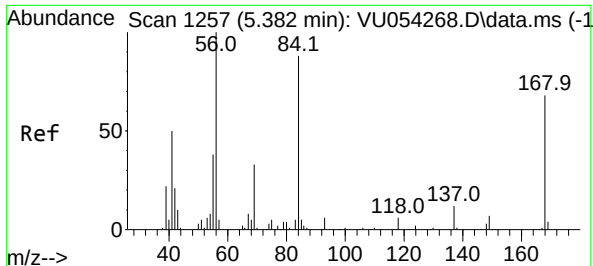
Tgt Ion: 96	Resp:	1318	
Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	271.6
98	48.5	0.0	128.2



#30
 Chloroform
 Concen: 0.278 ug/l
 RT: 5.083 min Scan# 1164
 Delta R.T. 0.004 min
 Lab File: VU054324.D
 Acq: 30 May 2023 19:19

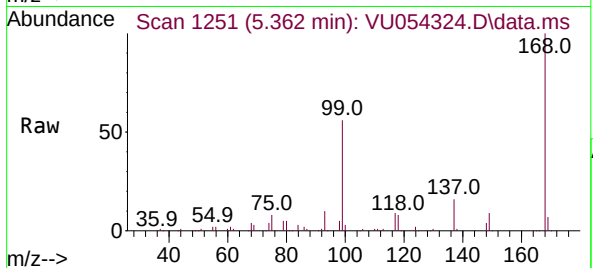
Tgt Ion: 83	Resp:	1476	
Ion Ratio	Lower	Upper	
83 100			
85 47.2	51.2	76.8#	



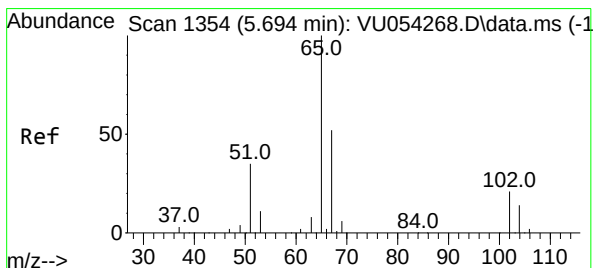
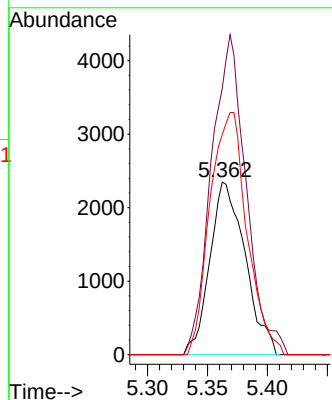
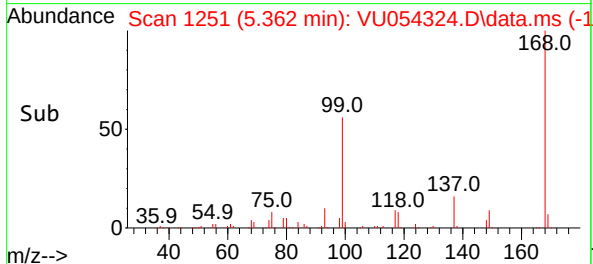


#31
Cyclohexane
Concen: 1.052 ug/l
RT: 5.362 min Scan# 1251
Delta R.T. -0.020 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523

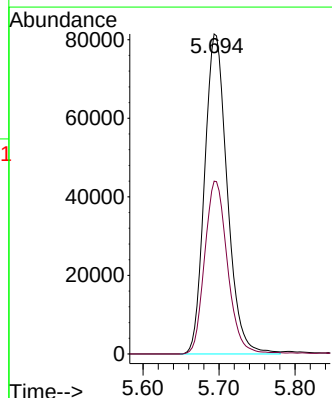
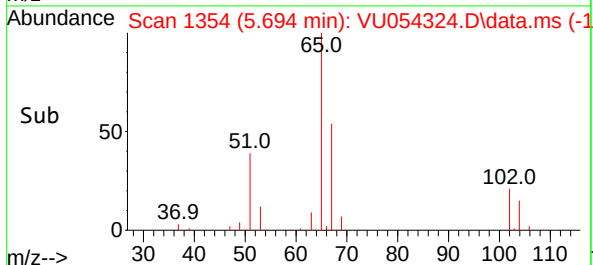
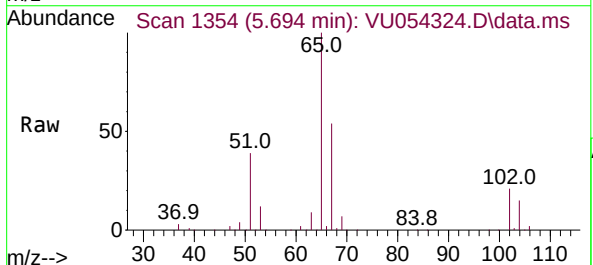


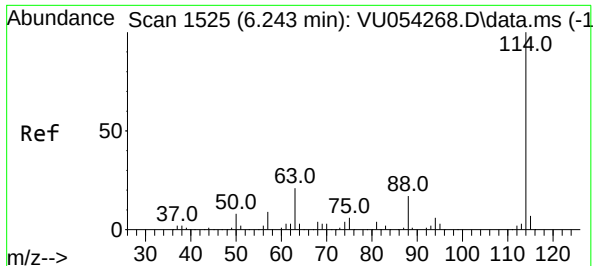
Tgt Ion: 56 Resp: 4807
Ion Ratio Lower Upper
56 100
69 154.3 27.8 41.8#
84 127.5 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 51.991 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Tgt Ion: 65 Resp: 168295
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.0

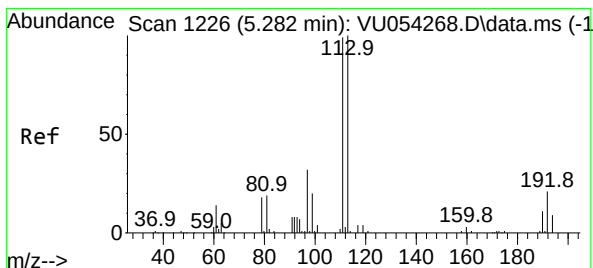
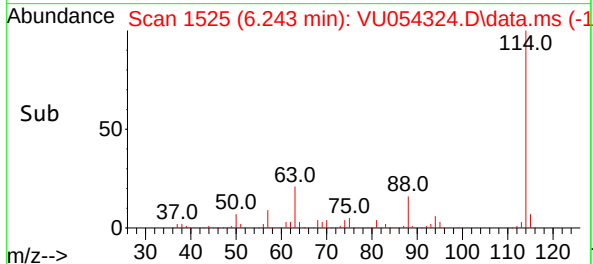
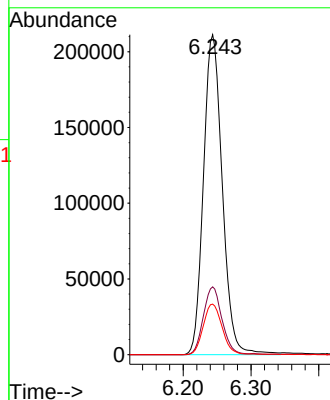
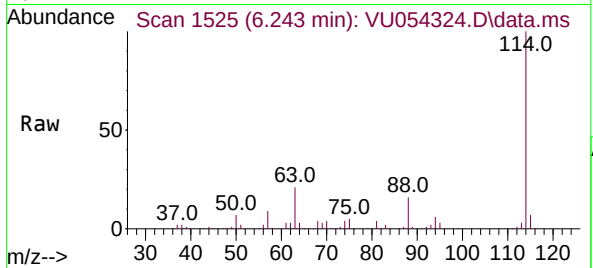




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

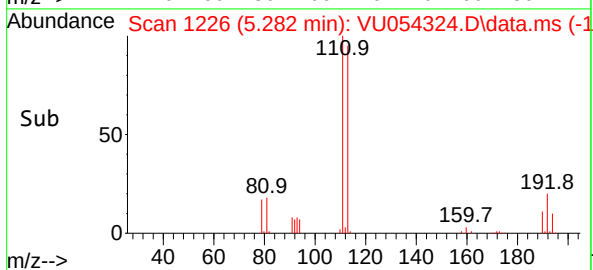
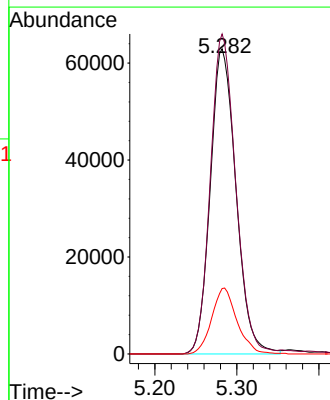
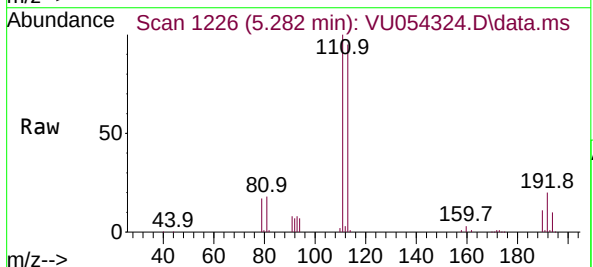
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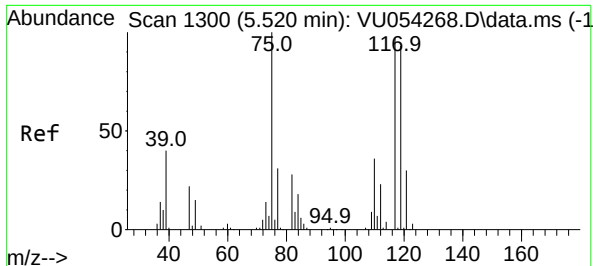
Tgt Ion:114 Resp: 407932
Ion Ratio Lower Upper
114 100
63 21.2 0.0 37.8
88 15.8 0.0 29.2



#35
Dibromofluoromethane
Concen: 52.255 ug/l
RT: 5.282 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Tgt Ion:113 Resp: 137273
Ion Ratio Lower Upper
113 100
111 103.2 82.1 123.1
192 21.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.755 ug/l

RT: 5.366 min Scan# 1

Delta R.T. -0.154 min

Lab File: VU054324.D

Acq: 30 May 2023 19:19

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20230523

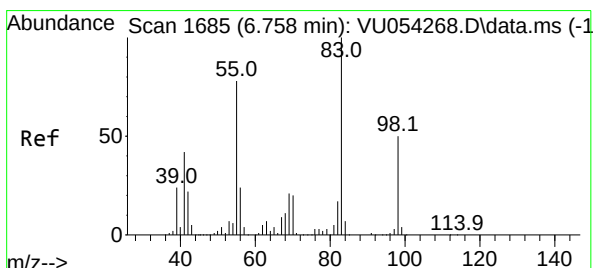
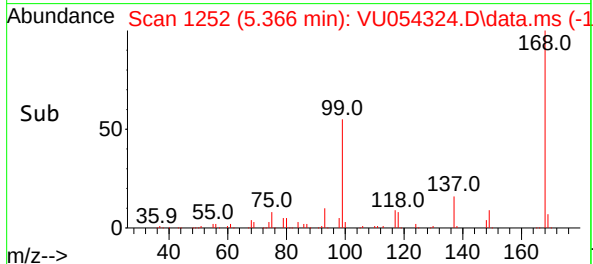
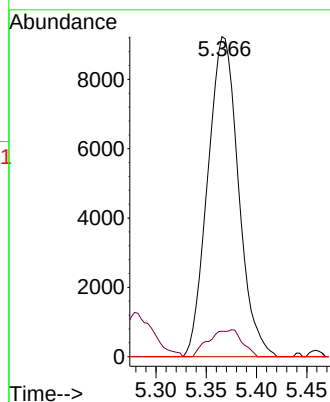
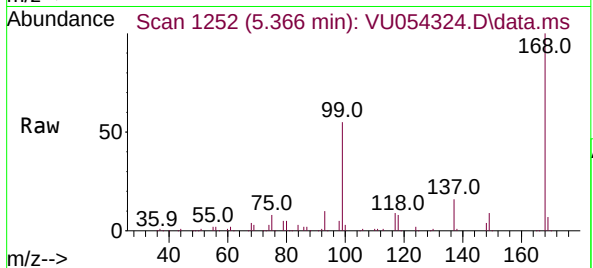
Tgt Ion: 75 Resp: 19618

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 25.1 37.7#



#39

Methylcyclohexane

Concen: 2.351 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. -0.222 min

Lab File: VU054324.D

Acq: 30 May 2023 19:19

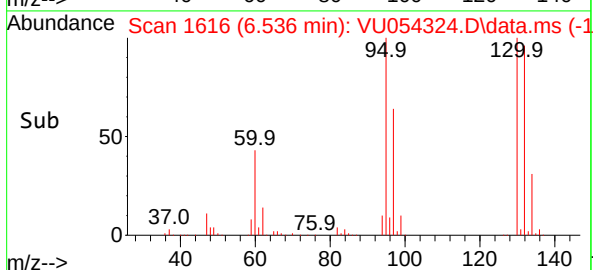
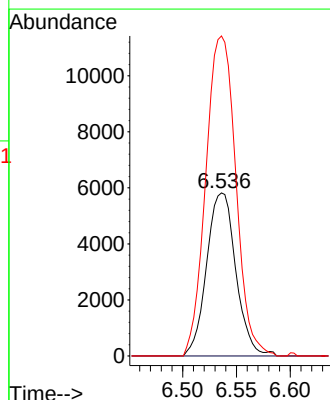
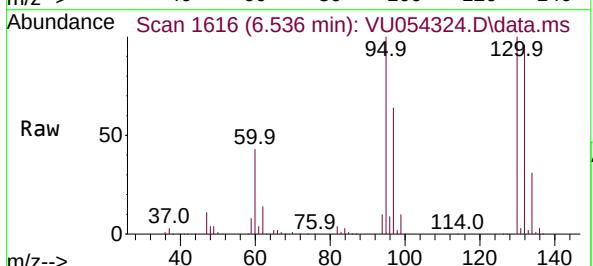
Tgt Ion: 83 Resp: 10988

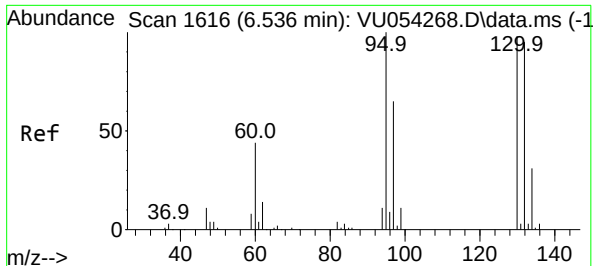
Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 196.2 37.3 55.9#

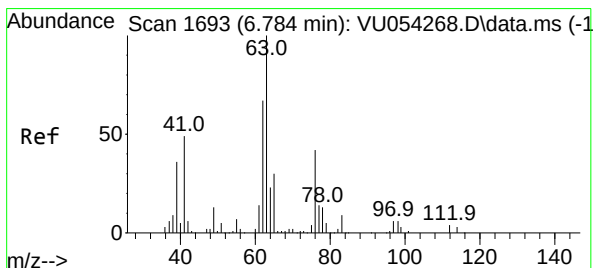
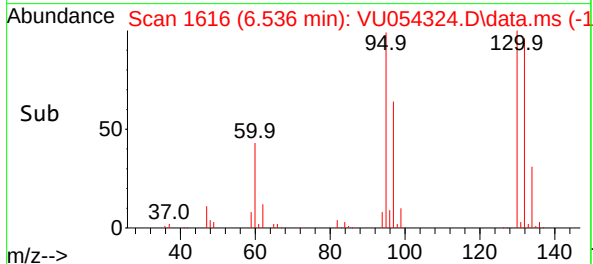
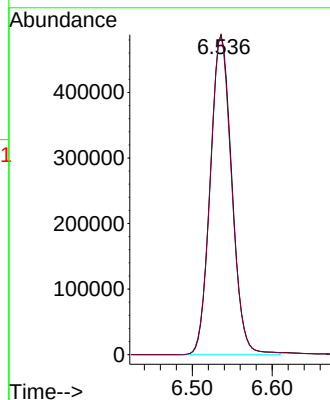
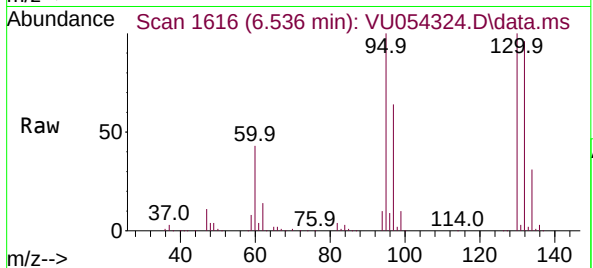




#44
Trichloroethene
Concen: 277.255 ug/l
RT: 6.536 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

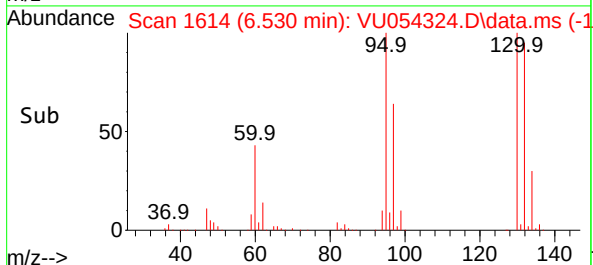
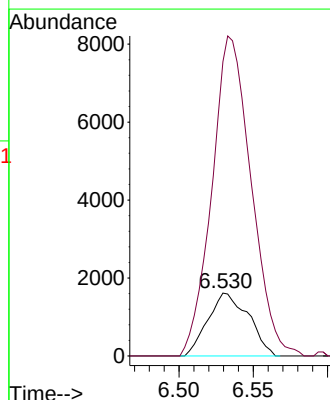
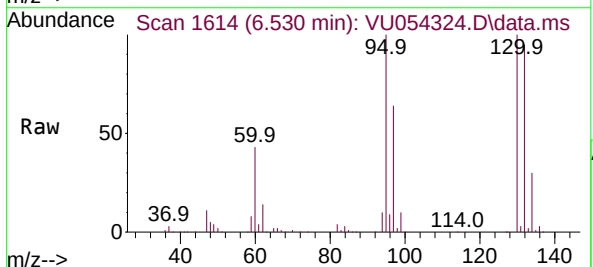
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523

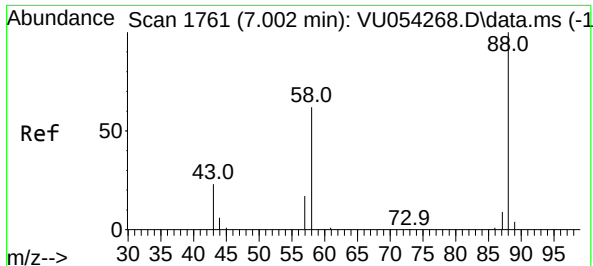
Tgt Ion:130 Resp: 912159
Ion Ratio Lower Upper
130 100
95 99.7 0.0 184.6



#45
1,2-Dichloropropane
Concen: 1.001 ug/l
RT: 6.530 min Scan# 1614
Delta R.T. -0.254 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Tgt Ion: 63 Resp: 3072
Ion Ratio Lower Upper
63 100
65 467.8 25.0 37.4#





#49

1,4-Dioxane

Concen: 0.935 ug/l

RT: 6.993 min Scan# 1

Delta R.T. -0.009 min

Lab File: VU054324.D

Acq: 30 May 2023 19:19

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20230523

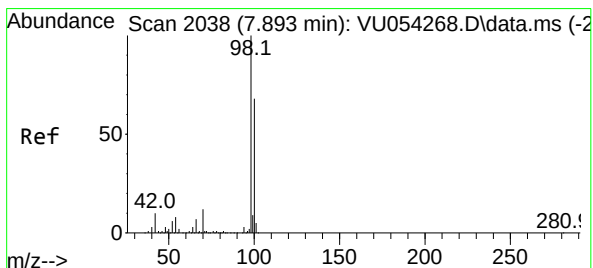
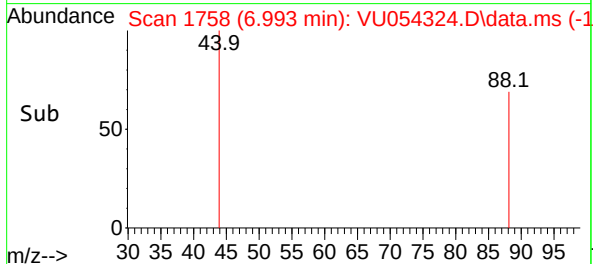
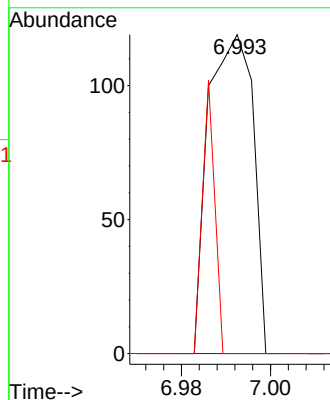
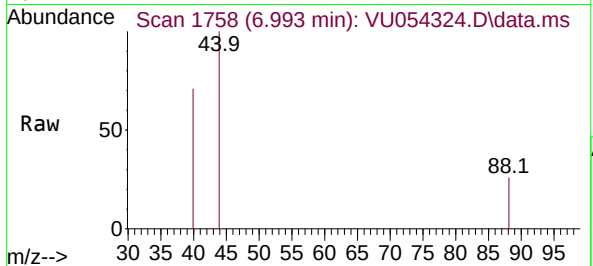
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 24.1 15.4 23.0#



#50

Toluene-d8

Concen: 50.835 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054324.D

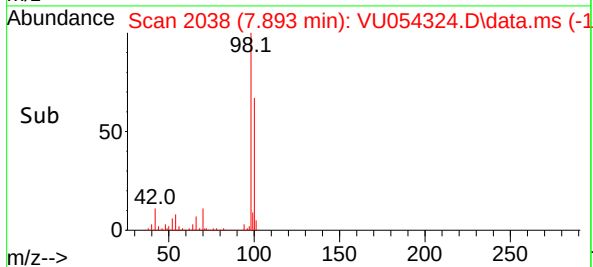
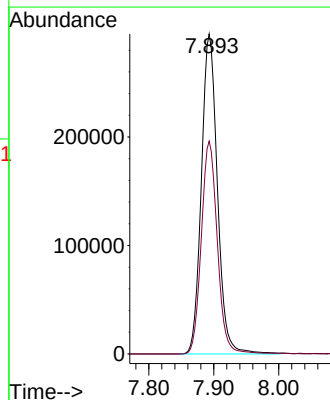
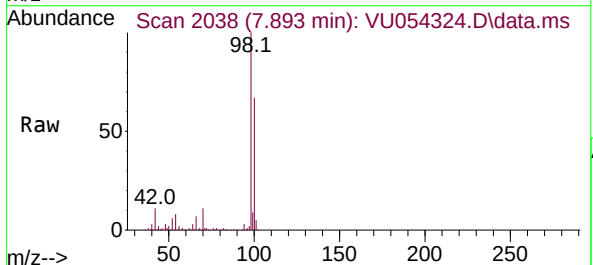
Acq: 30 May 2023 19:19

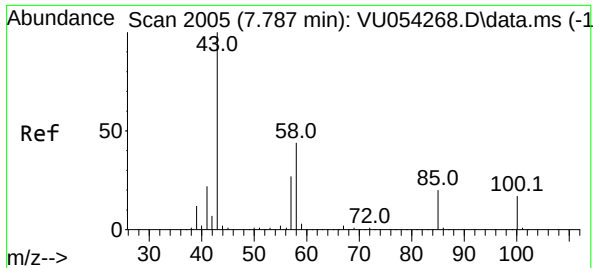
Tgt Ion: 98 Resp: 507951

Ion Ratio Lower Upper

98 100

100 66.3 51.7 77.5

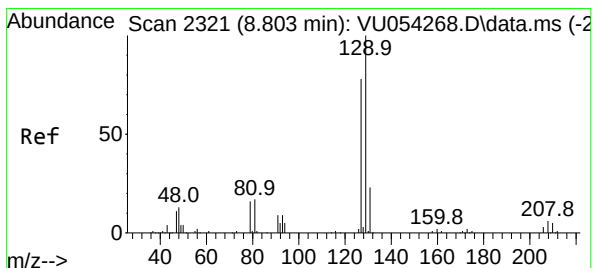
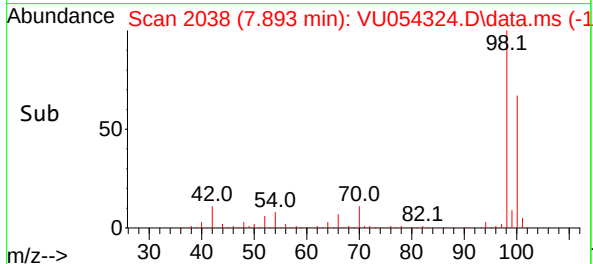
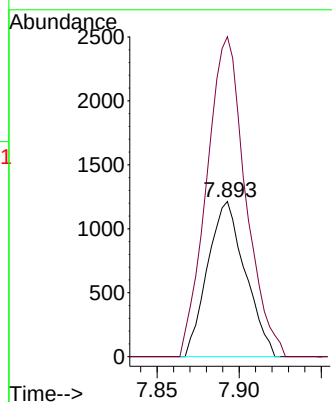
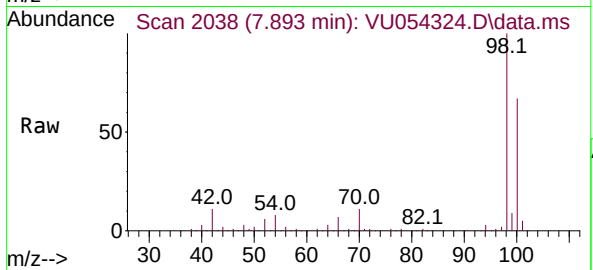




#51
4-Methyl-2-Pentanone
Concen: 0.417 ug/l
RT: 7.893 min Scan# 2005
Delta R.T. 0.106 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

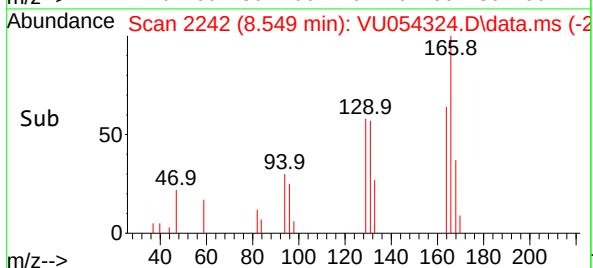
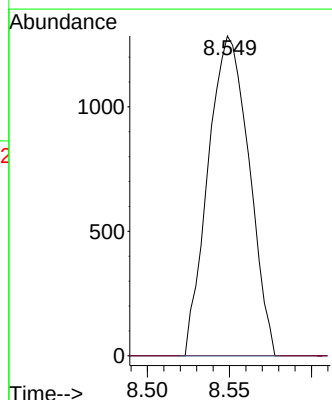
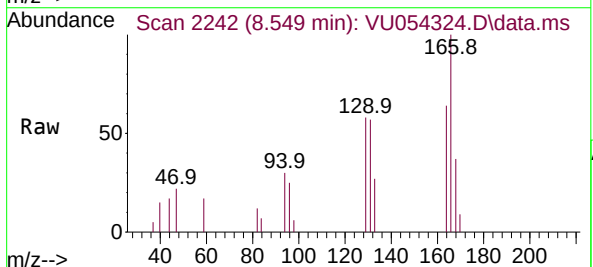
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523

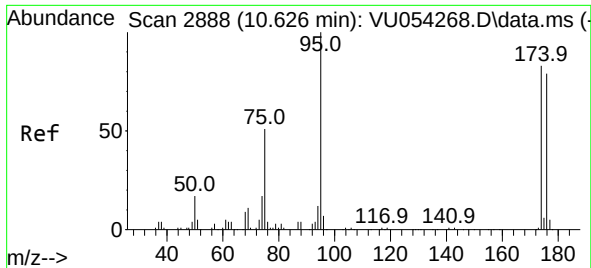
Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 213.2 34.7 52.1#



#60
Dibromochloromethane
Concen: 0.705 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.254 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Tgt Ion: 129 Resp: 2228
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

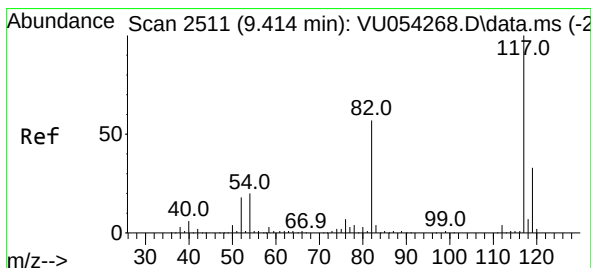
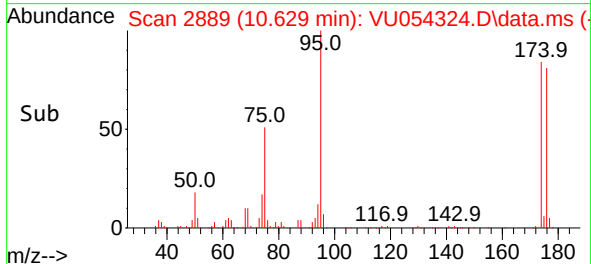
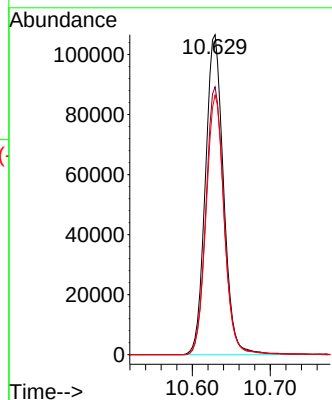
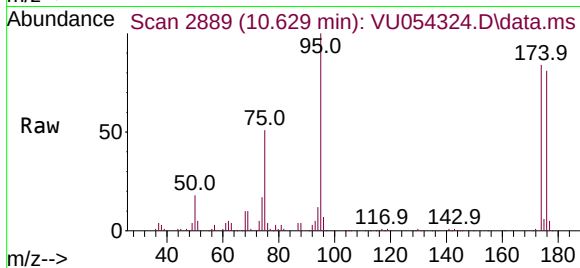




#62
4-Bromofluorobenzene
Concen: 44.494 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

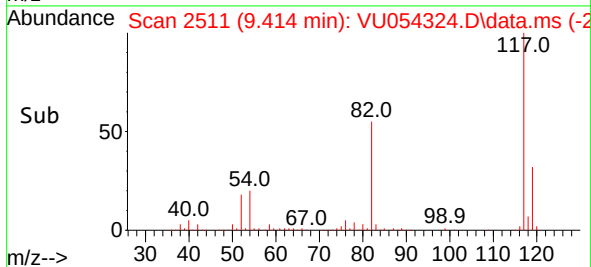
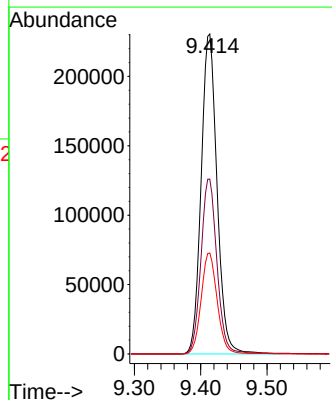
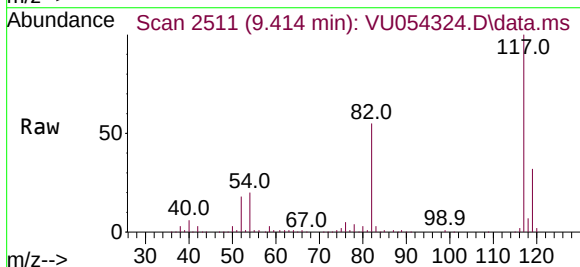
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523

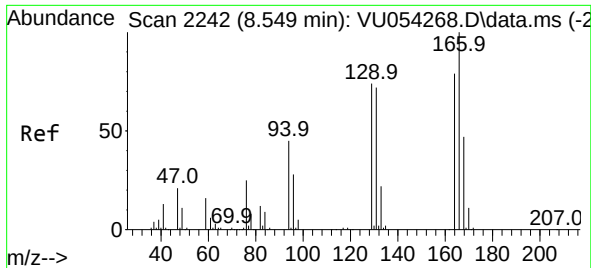
Tgt Ion: 95 Resp: 172390
Ion Ratio Lower Upper
95 100
174 84.0 0.0 182.0
176 81.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

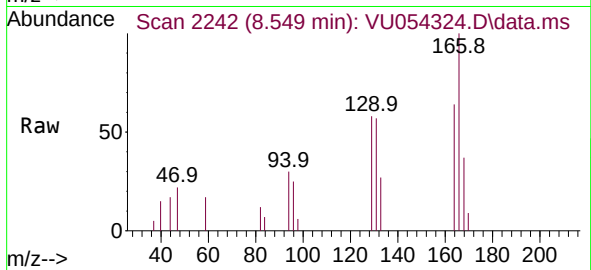
Tgt Ion: 117 Resp: 384826
Ion Ratio Lower Upper
117 100
82 54.7 41.7 62.5
119 31.6 25.7 38.5



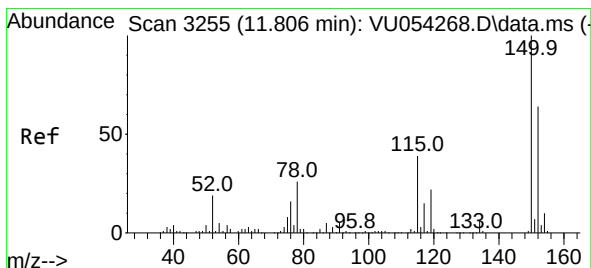
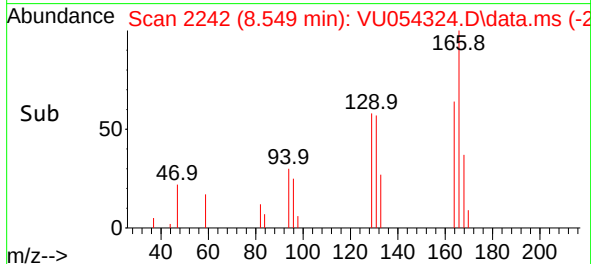
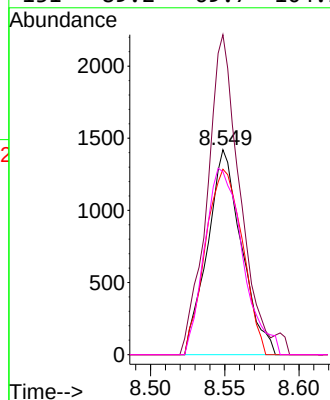


#64
Tetrachloroethene
Concen: 0.783 ug/l
RT: 8.549 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523

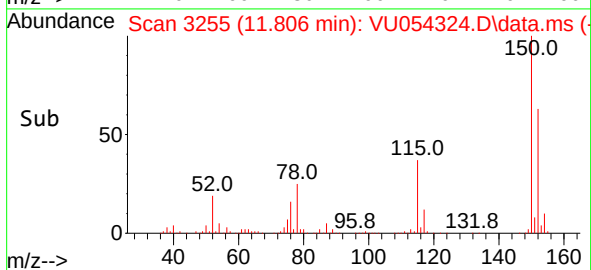
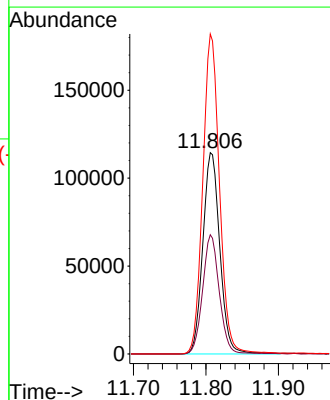
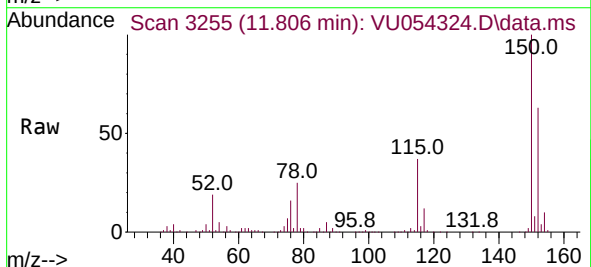


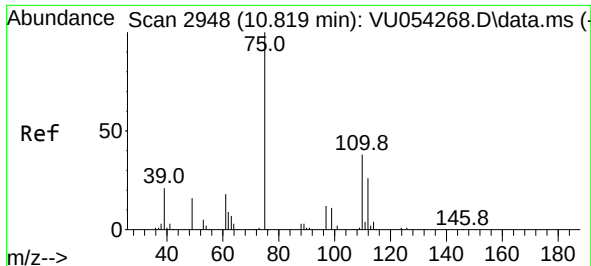
Tgt	Ion:164	Resp:	2268
Ion	Ratio	Lower	Upper
164	100		
166	156.1	100.0	150.0#
129	90.4	72.0	108.0
131	89.2	69.7	104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

Tgt Ion:152	Resp:	186495	
Ion	Ratio	Lower	Upper
152	100		
115	57.8	37.0	110.9
150	156.2	0.0	342.2

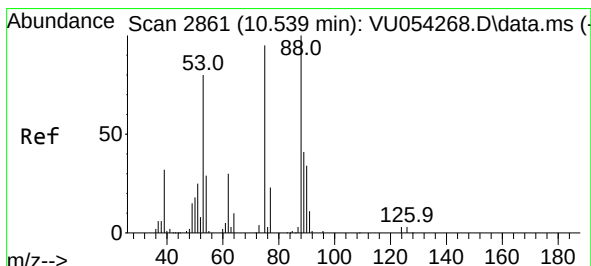
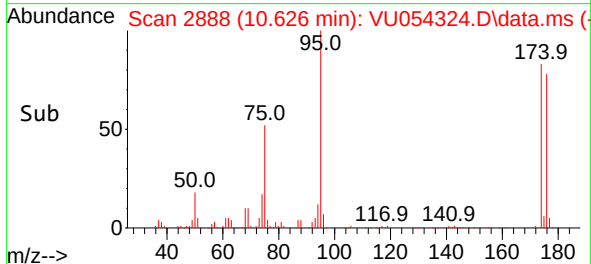
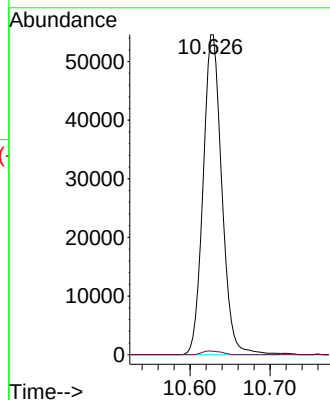
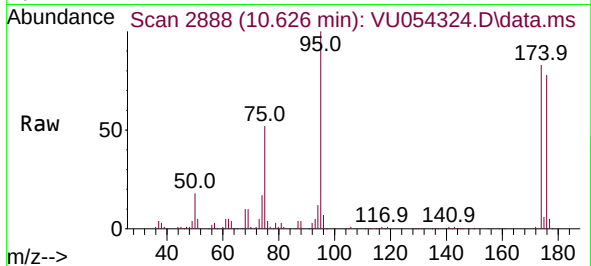




#76
1,2,3-Trichloropropane
Concen: 16.332 ug/l
RT: 10.626 min Scan# 21
Delta R.T. -0.193 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

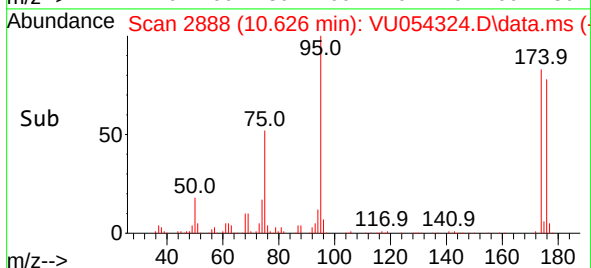
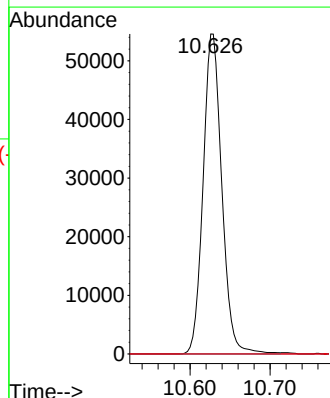
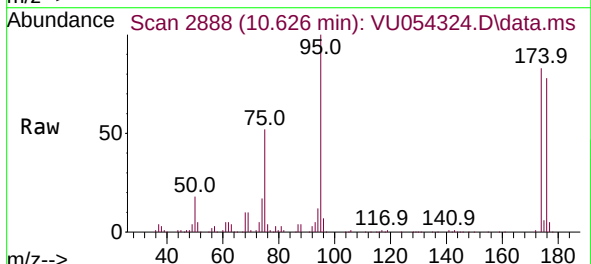
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523

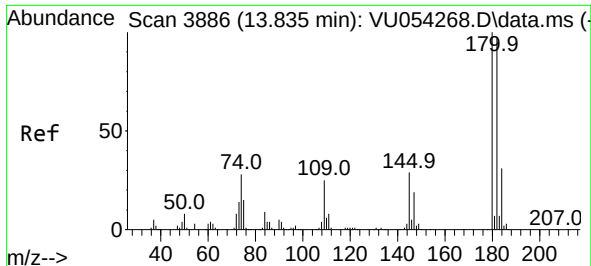
Tgt Ion: 75 Resp: 88893
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.190 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. 0.087 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

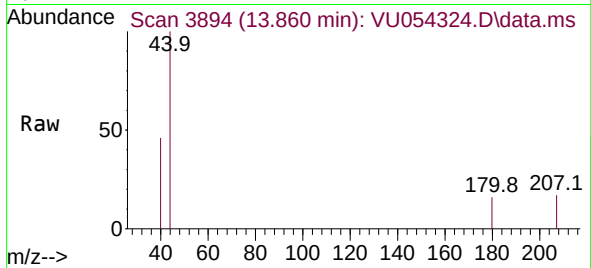
Tgt Ion: 75 Resp: 88893
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



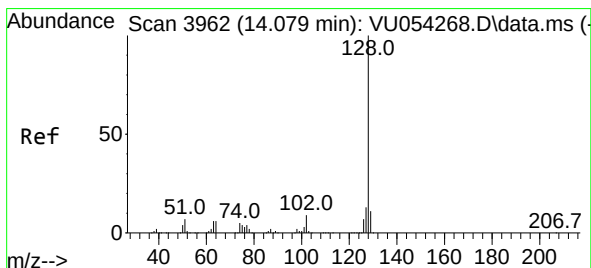
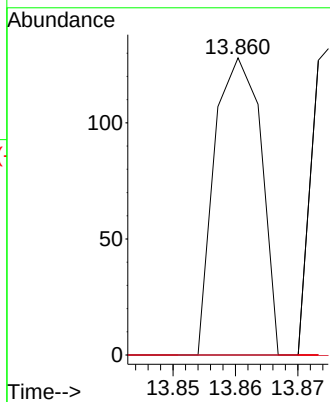
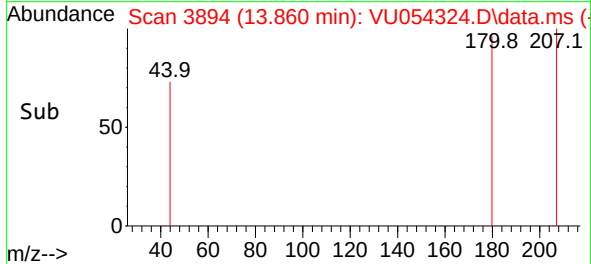


#93
1,2,4-Trichlorobenzene
Concen: 1.658 ug/l
RT: 13.860 min Scan# 3894
Delta R.T. 0.025 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19

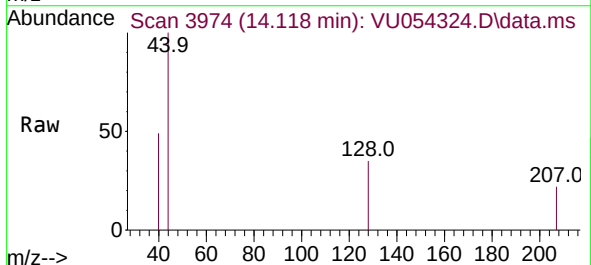
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20230523



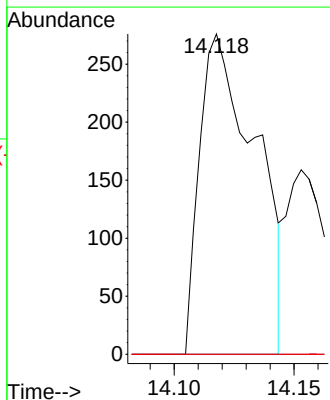
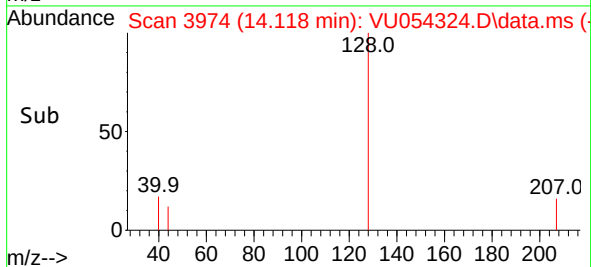
Tgt Ion:180 Resp: 66
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 14.0 41.9#

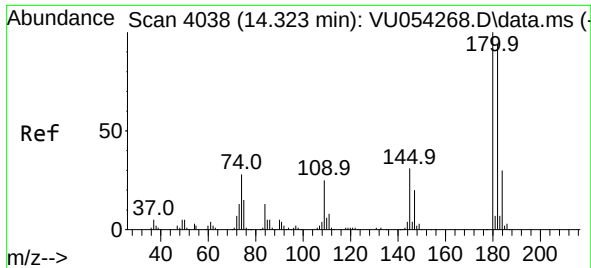


#95
Naphthalene
Concen: 2.022 ug/l
RT: 14.118 min Scan# 3974
Delta R.T. 0.039 min
Lab File: VU054324.D
Acq: 30 May 2023 19:19



Tgt Ion:128 Resp: 446
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.271 ug/l

RT: 14.352 min Scan# 40

Delta R.T. 0.029 min

Lab File: VU054324.D

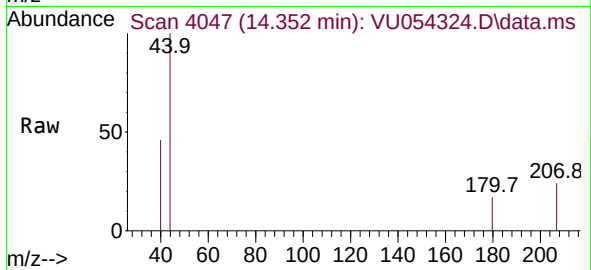
Acq: 30 May 2023 19:19

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20230523



Tgt Ion:180 Resp: 70

Ion Ratio Lower Upper

180 100

182 30.0 48.4 145.0#

145 0.0 14.8 44.4#

