

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054322.D
 Acq On : 30 May 2023 18:31
 Operator : JC/MD
 Sample : 02936-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 22BR-20230524

Quant Time: May 31 06:30:18 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

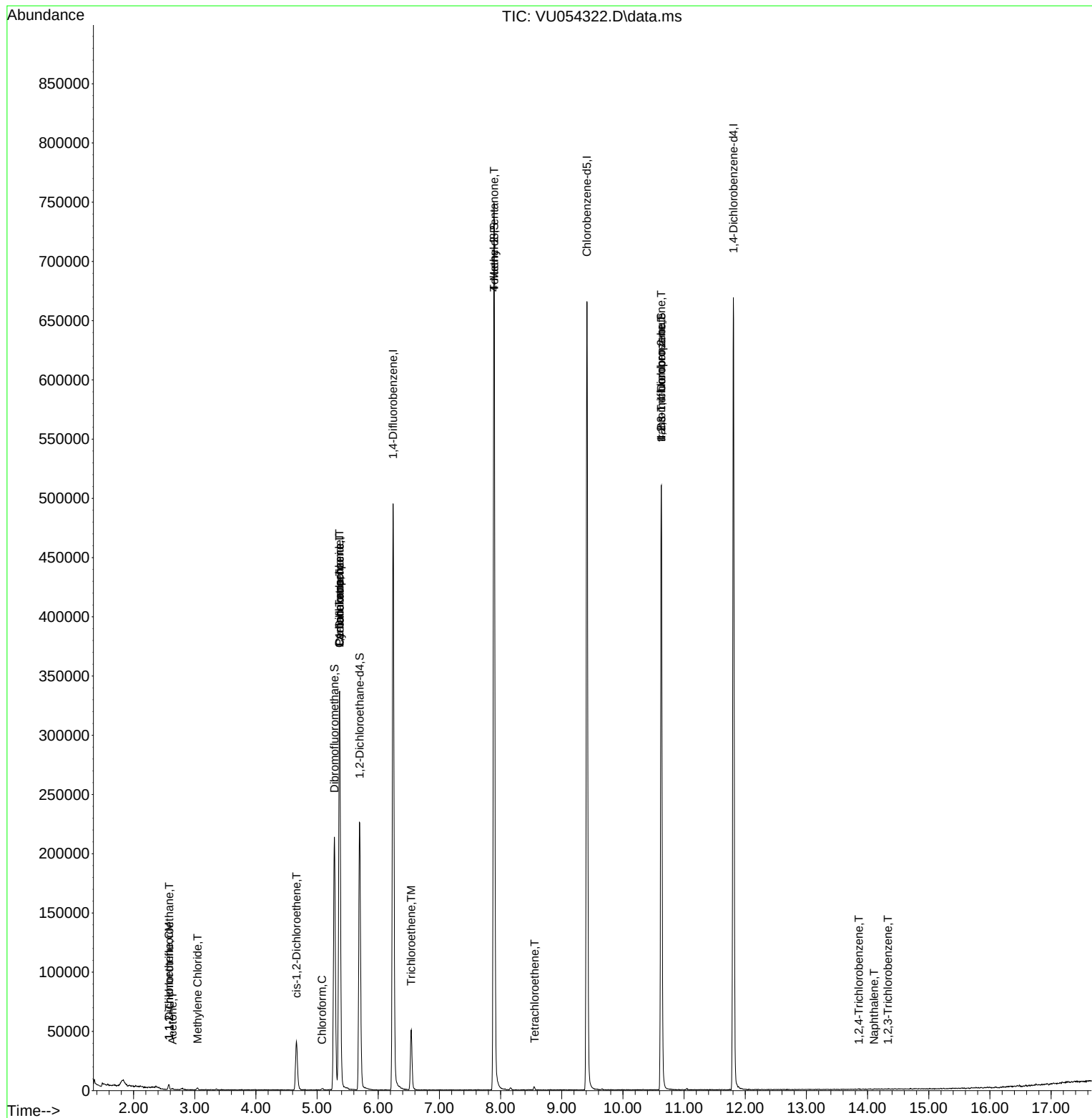
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.369	168	245844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	405555	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	385603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	185070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	172241	53.445	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.900%		
35) Dibromofluoromethane	5.282	113	139101	53.261	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.520%		
50) Toluene-d8	7.893	98	507102	51.047	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.100%		
62) 4-Bromofluorobenzene	10.629	95	174489	45.300	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 90.600%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.581	101	1265	0.495	ug/l	90
12) 1,1-Dichloroethene	2.578	96	535	0.202	ug/l #	77
16) Acetone	2.639	43	1022	0.553	ug/l #	78
20) Methylene Chloride	3.047	84	906	0.272	ug/l #	80
27) cis-1,2-Dichloroethene	4.665	96	22254	7.066	ug/l	93
30) Chloroform	5.083	83	1306	0.247	ug/l	92
31) Cyclohexane	5.369	56	4670	1.026	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	18506	4.511	ug/l #	48
38) Carbon Tetrachloride	5.366	117	23994	5.715	ug/l #	17
44) Trichloroethene	6.539	130	17960	5.491	ug/l	97
51) 4-Methyl-2-Pentanone	7.896	43	1897	0.412	ug/l #	1
64) Tetrachloroethene	8.558	164	711	0.245	ug/l #	67
76) 1,2,3-Trichloropropane	10.626	75	88545	16.393	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	88545	62.423	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.857	180	205	1.690	ug/l #	12
95) Naphthalene	14.108	128	204	2.006	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.333	180	73	1.272	ug/l #	44

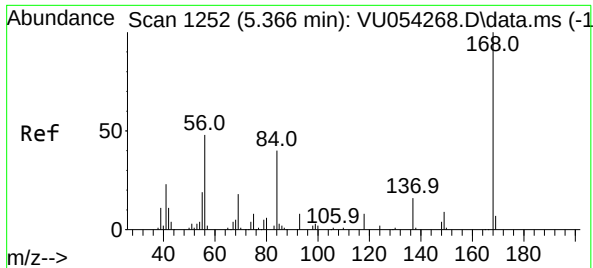
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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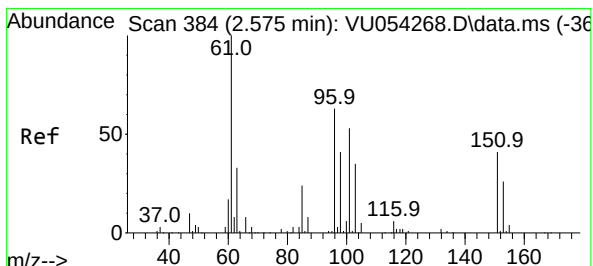
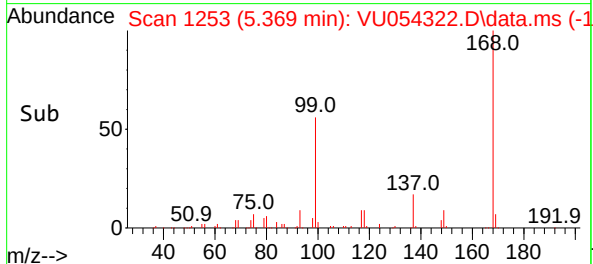
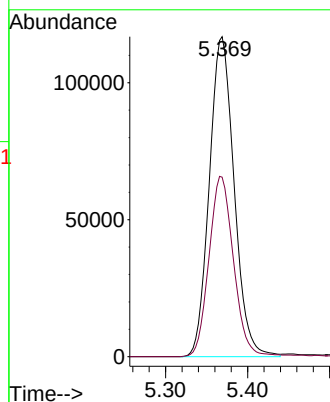
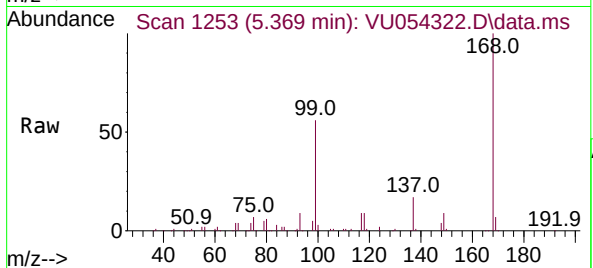




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

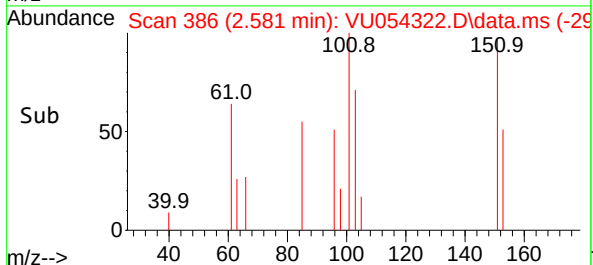
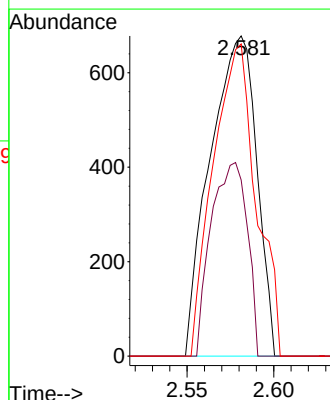
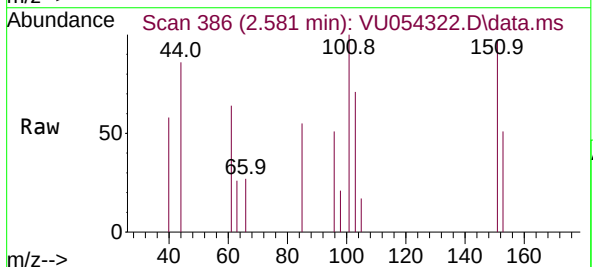
Instrument :
MSVOA_U
ClientSampleId :
22BR-20230524

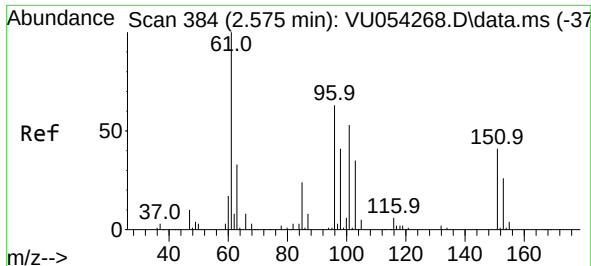
Tgt Ion:168 Resp: 245844
Ion Ratio Lower Upper
168 100
99 56.1 39.3 58.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.495 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.006 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion:101 Resp: 1265
Ion Ratio Lower Upper
101 100
85 46.9 33.9 50.9
151 90.2 64.0 96.0





#12

1,1-Dichloroethene

Concen: 0.202 ug/l

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU054322.D

Acq: 30 May 2023 18:31

Instrument :

MSVOA_U

ClientSampleId :

22BR-20230524

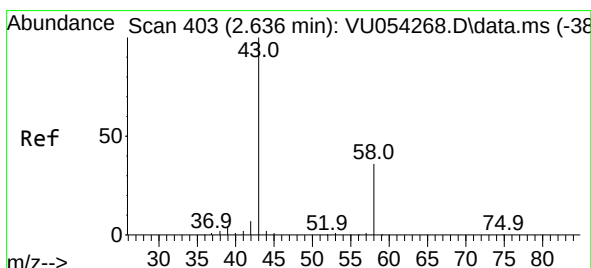
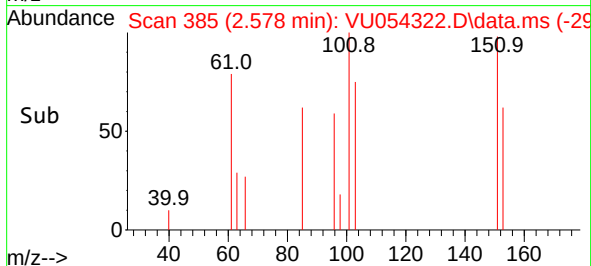
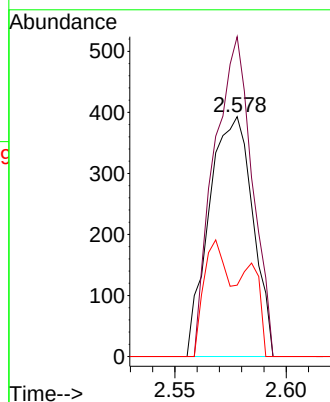
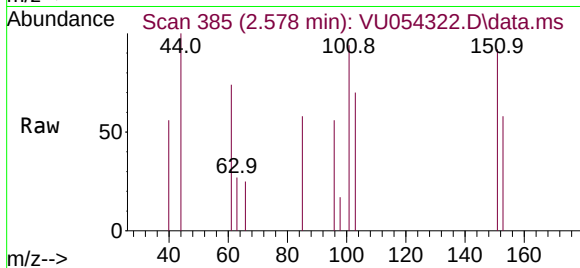
Tgt Ion: 96 Resp: 535

Ion Ratio Lower Upper

96 100

61 133.3 122.2 183.2

98 29.8 50.7 76.1#



#16

Acetone

Concen: 0.553 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.003 min

Lab File: VU054322.D

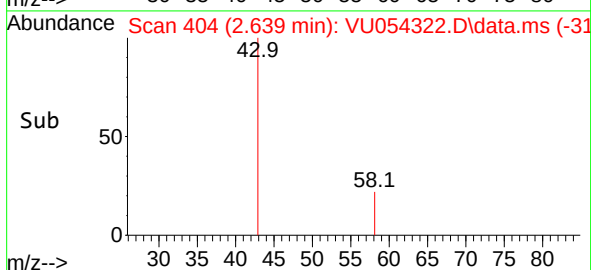
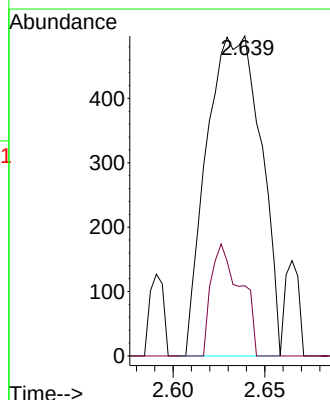
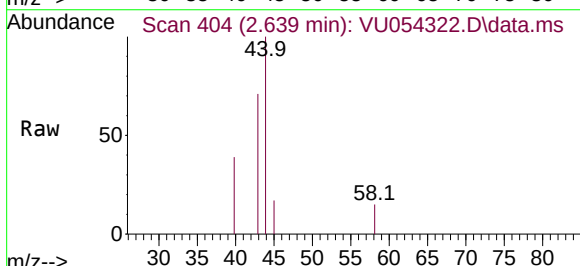
Acq: 30 May 2023 18:31

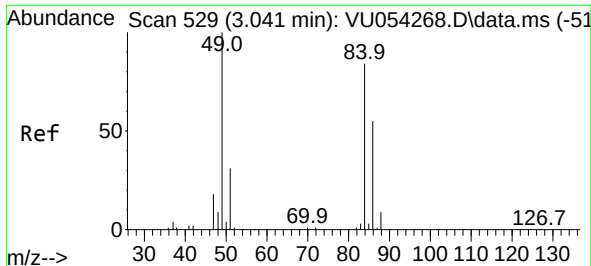
Tgt Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

58 21.9 27.5 41.3#

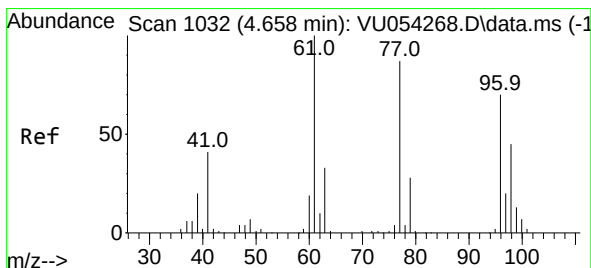
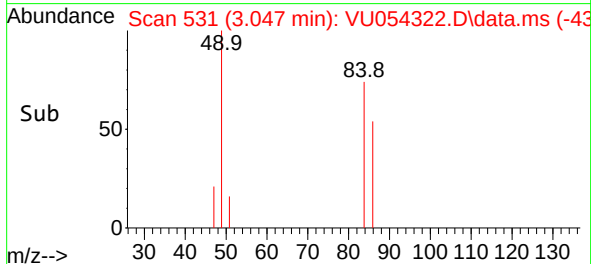
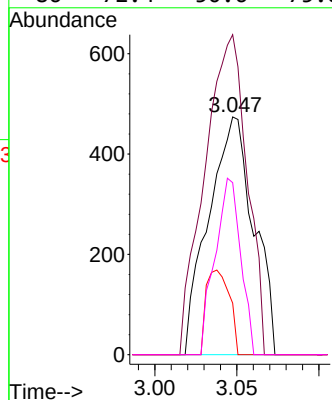
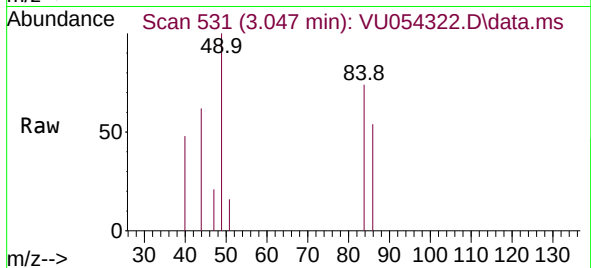




#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 3.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

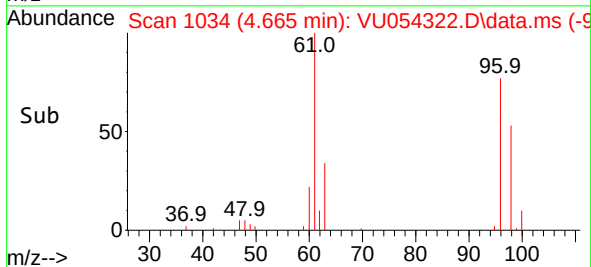
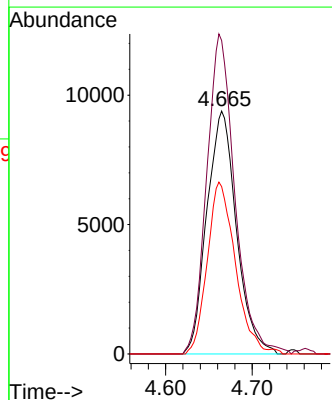
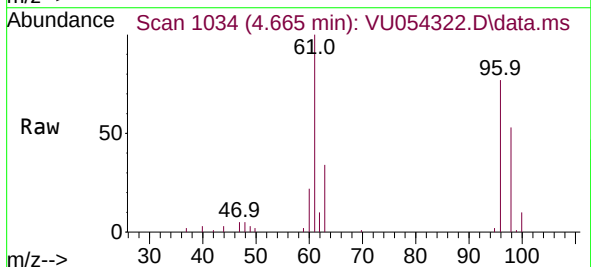
Instrument :
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ClientSampleId :
22BR-20230524

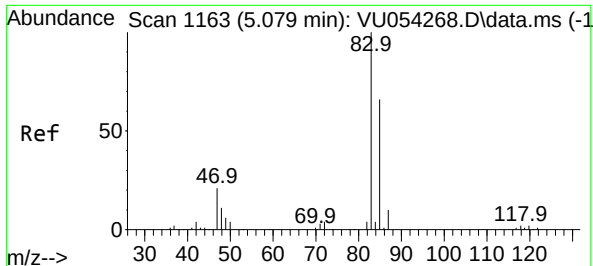
Tgt Ion: 84	Resp: 906
Ion Ratio	Lower Upper
84 100	
49 134.6	86.6 129.8#
51 21.7	26.6 40.0#
86 72.4	50.6 75.8



#27
cis-1,2-Dichloroethene
Concen: 7.066 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. 0.007 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion: 96	Resp: 22254
Ion Ratio	Lower Upper
96 100	
61 125.2	0.0 271.6
98 66.9	0.0 128.2





#30

Chloroform

Concen: 0.247 ug/l

RT: 5.083 min Scan# 1163

Delta R.T. 0.004 min

Lab File: VU054322.D

Acq: 30 May 2023 18:31

Instrument :

MSVOA_U

ClientSampleId :

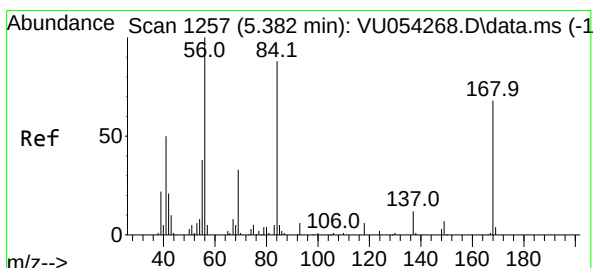
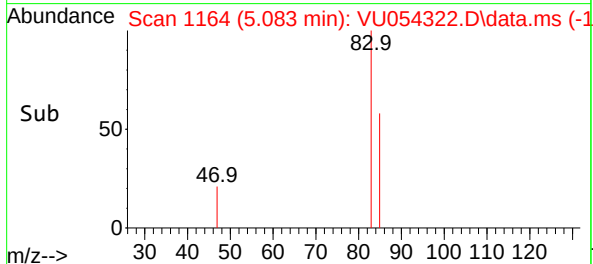
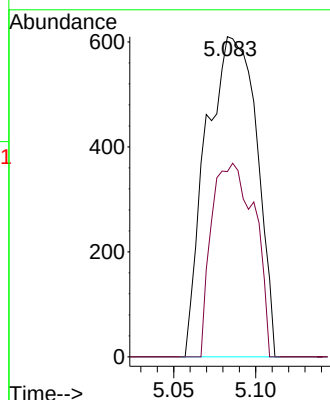
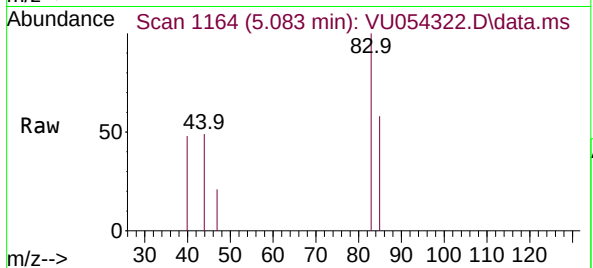
22BR-20230524

Tgt Ion: 83 Resp: 1306

Ion Ratio Lower Upper

83 100

85 57.9 51.2 76.8



#31

Cyclohexane

Concen: 1.026 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU054322.D

Acq: 30 May 2023 18:31

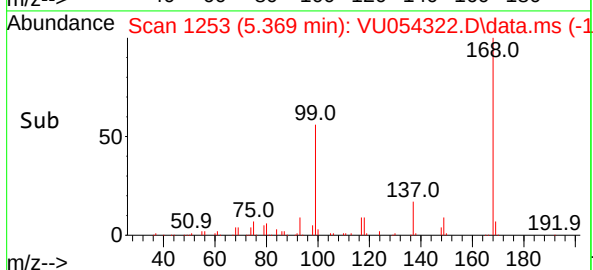
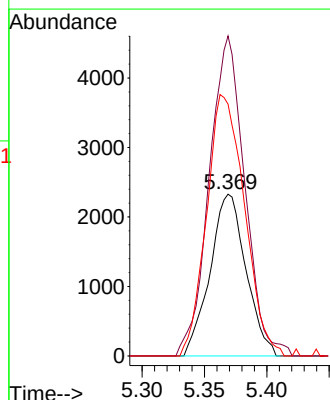
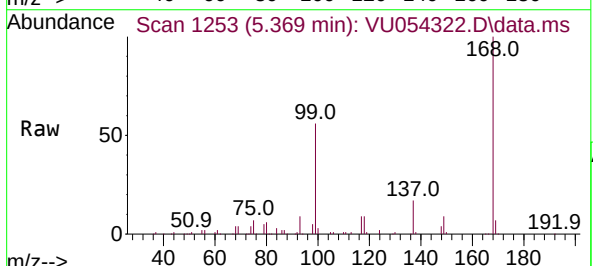
Tgt Ion: 56 Resp: 4670

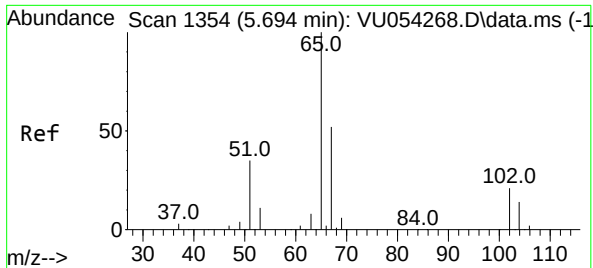
Ion Ratio Lower Upper

56 100

69 191.9 27.8 41.8#

84 155.8 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 53.445 ug/l

RT: 5.697 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054322.D

Acq: 30 May 2023 18:31

Instrument :

MSVOA_U

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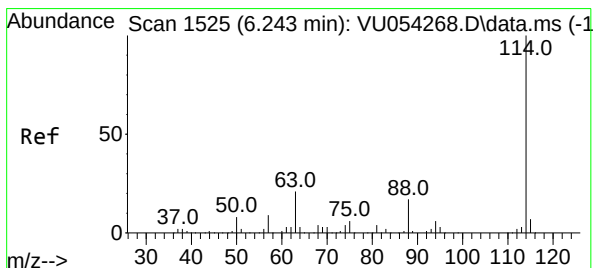
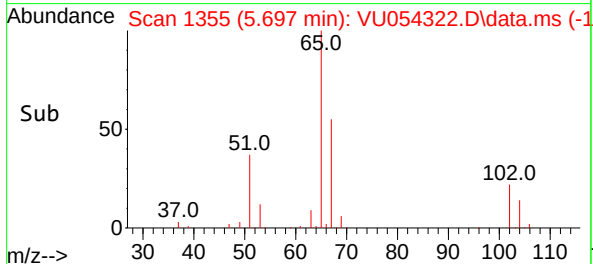
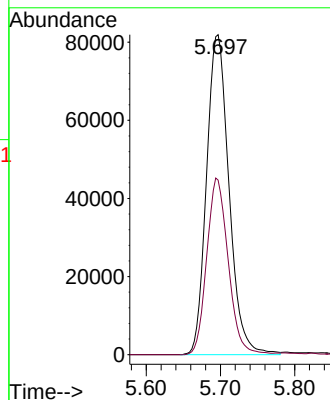
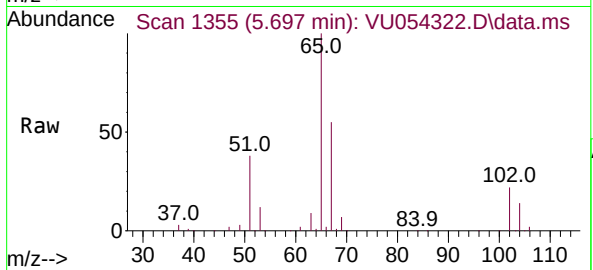
22BR-20230524

Tgt Ion: 65 Resp: 172241

Ion Ratio Lower Upper

65 100

67 52.7 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: VU054322.D

Acq: 30 May 2023 18:31

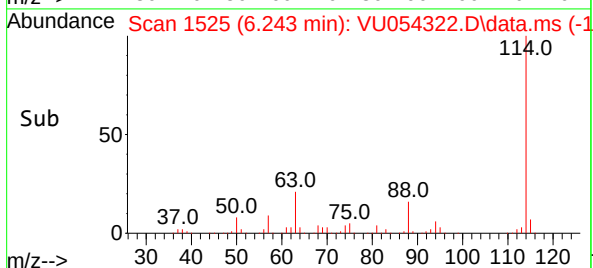
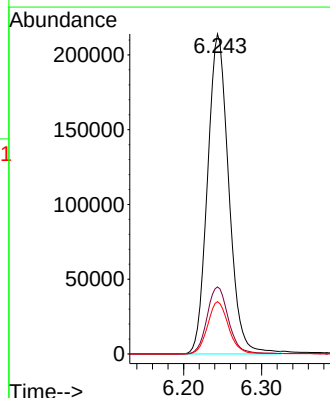
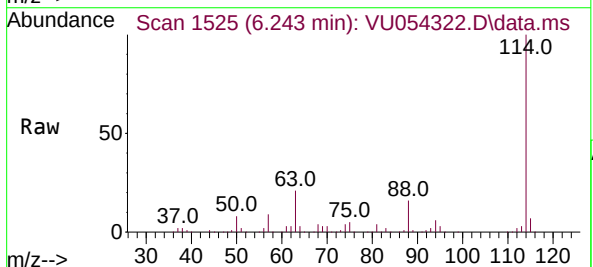
Tgt Ion: 114 Resp: 405555

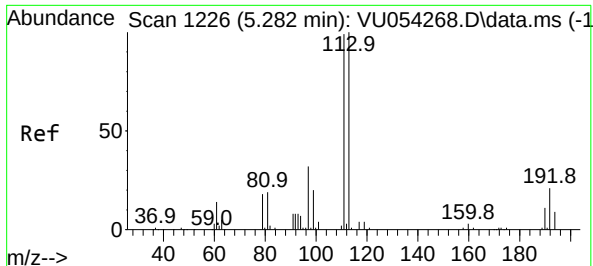
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.8

88 16.3 0.0 29.2

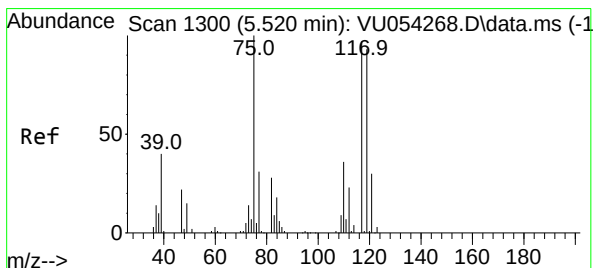
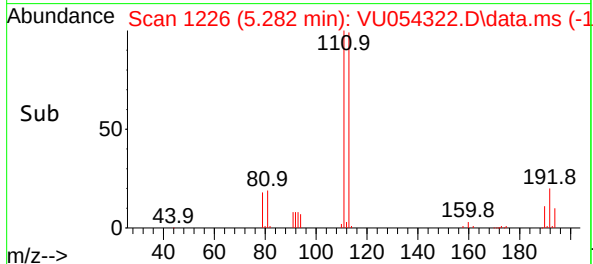
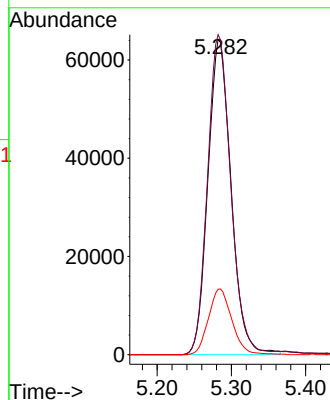
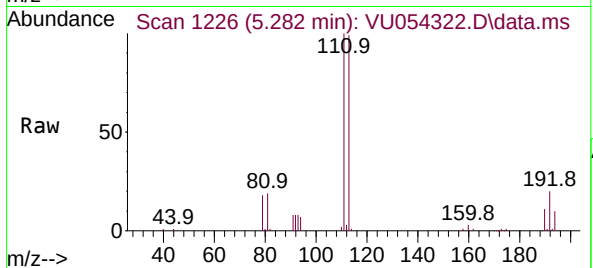




#35
Dibromofluoromethane
Concen: 53.261 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

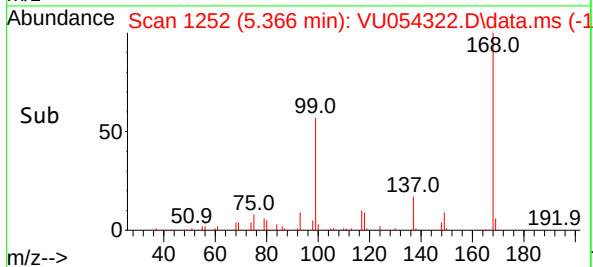
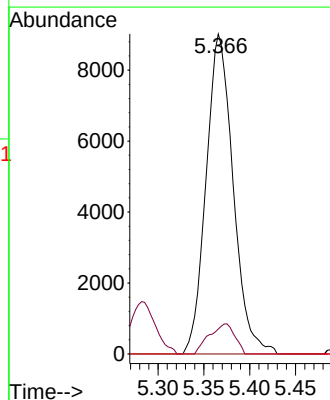
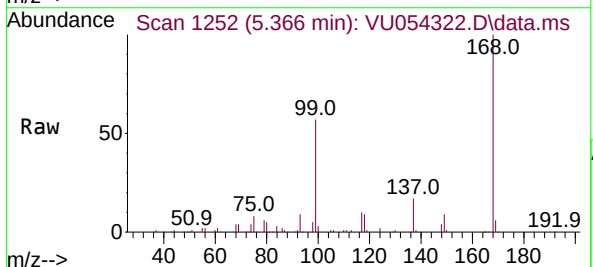
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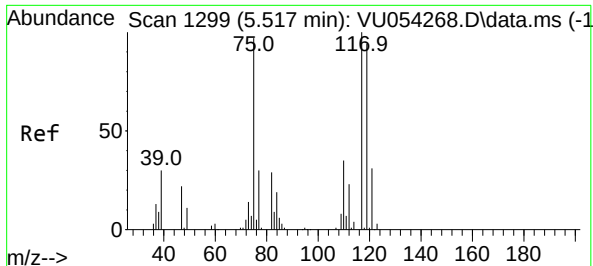
Tgt Ion:113 Resp: 139101
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 21.1 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion: 75 Resp: 18506
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 25.1 37.7#

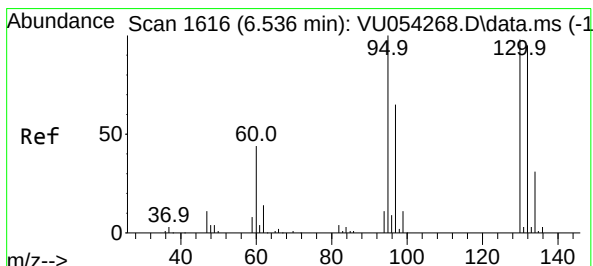
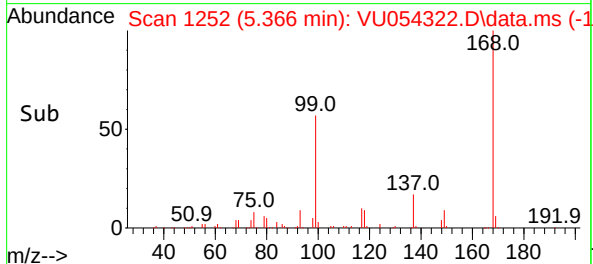
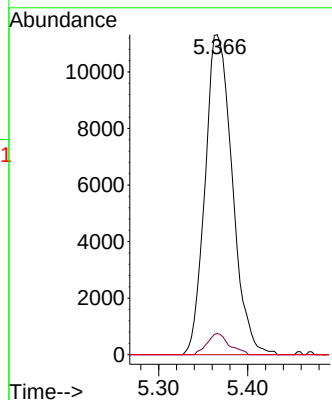
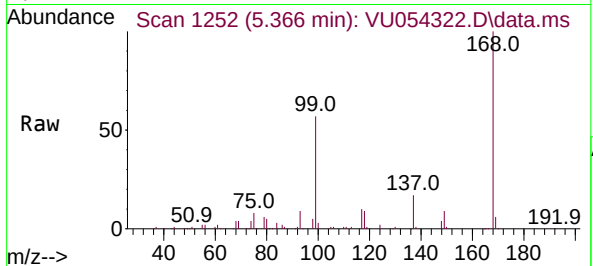




#38
Carbon Tetrachloride
Concen: 5.715 ug/l
RT: 5.366 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

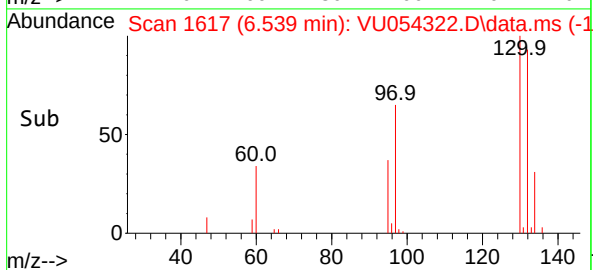
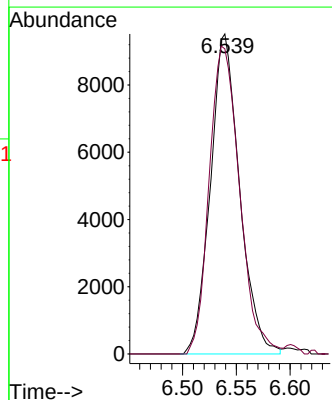
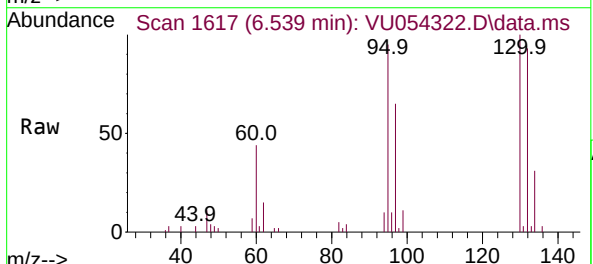
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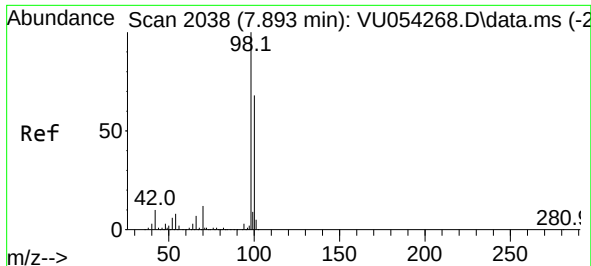
Tgt Ion:117 Resp: 23994
Ion Ratio Lower Upper
117 100
119 6.6 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 5.491 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion:130 Resp: 17960
Ion Ratio Lower Upper
130 100
95 95.4 0.0 184.6

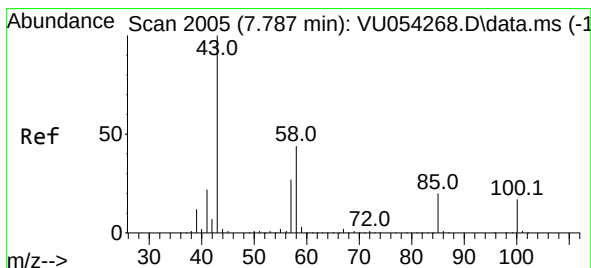
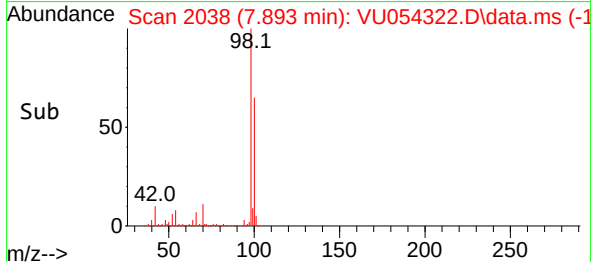
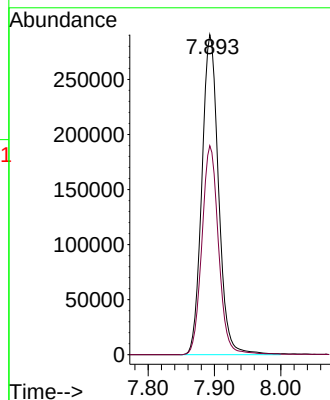
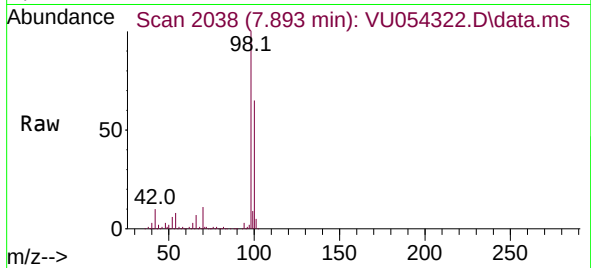




#50
Toluene-d8
Concen: 51.047 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

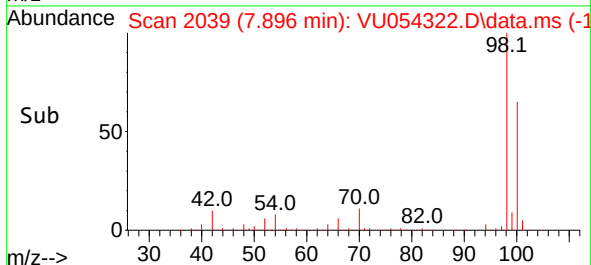
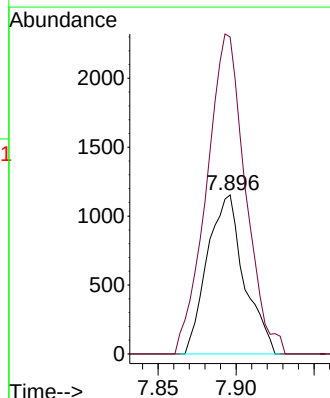
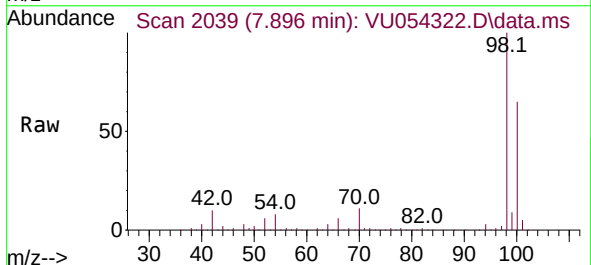
Instrument :
MSVOA_U
ClientSampleId :
22BR-20230524

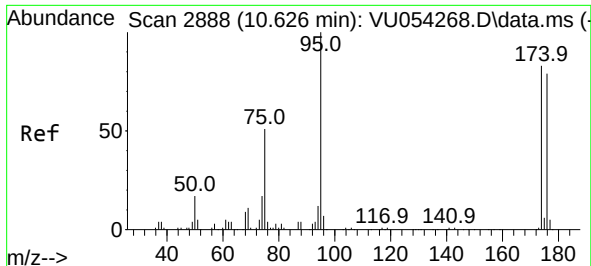
Tgt Ion: 98 Resp: 507102
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.412 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.109 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
58 211.6 34.7 52.1#

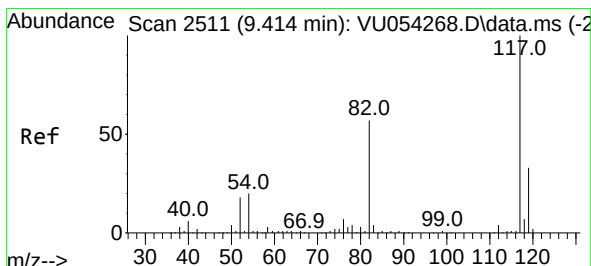
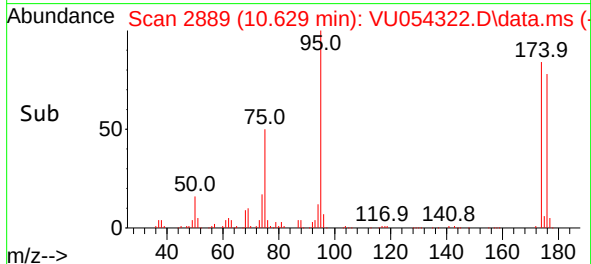
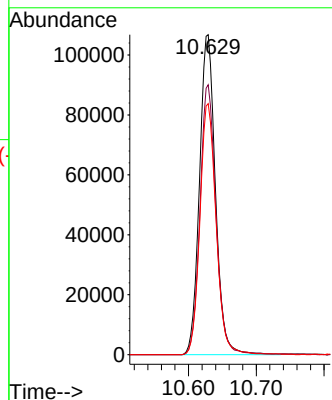
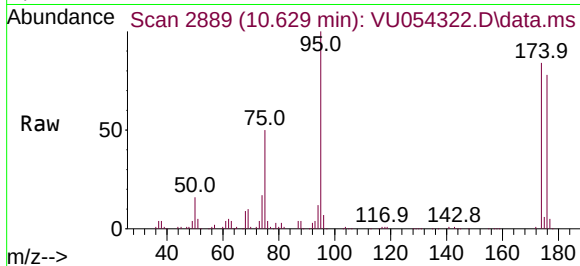




#62
4-Bromofluorobenzene
Concen: 45.300 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

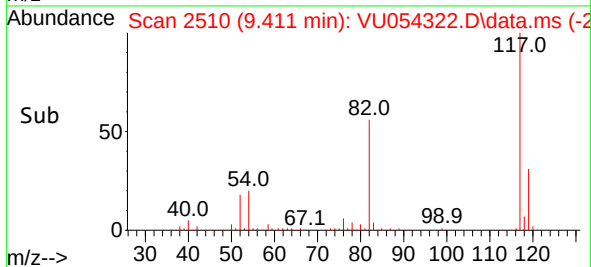
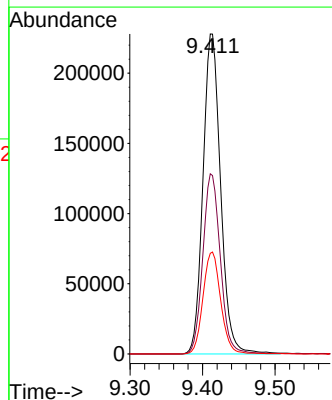
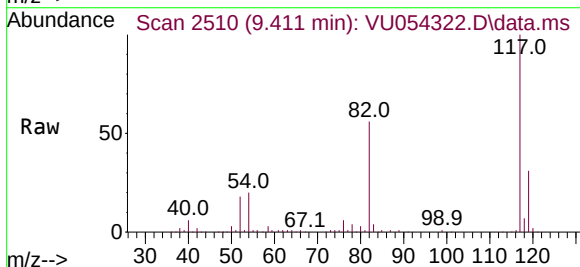
Instrument :
MSVOA_U
ClientSampleId :
22BR-20230524

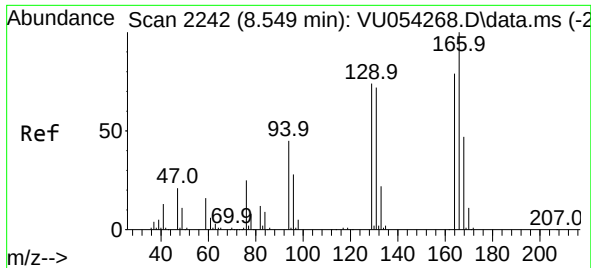
Tgt Ion: 95 Resp: 174489
Ion Ratio Lower Upper
95 100
174 84.3 0.0 182.0
176 79.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2510
Delta R.T. -0.003 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

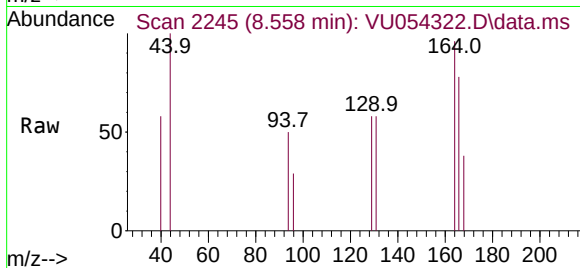
Tgt Ion: 117 Resp: 385603
Ion Ratio Lower Upper
117 100
82 56.3 41.7 62.5
119 31.4 25.7 38.5



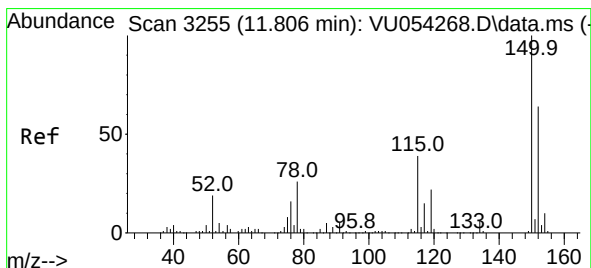
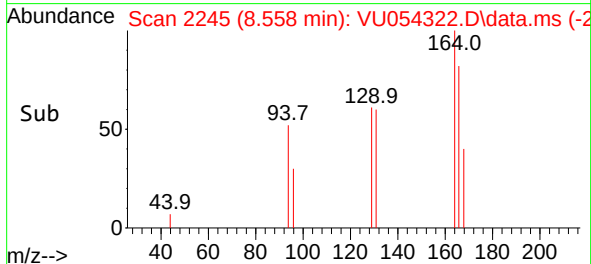
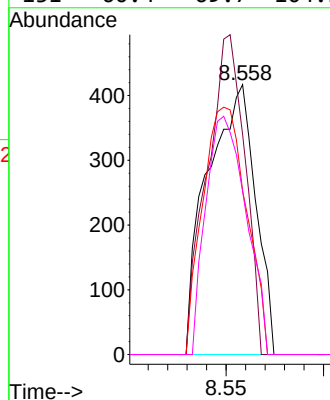


#64
Tetrachloroethene
Concen: 0.245 ug/l
RT: 8.558 min Scan# 211
Delta R.T. 0.009 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Instrument :
MSVOA_U
ClientSampleId :
22BR-20230524

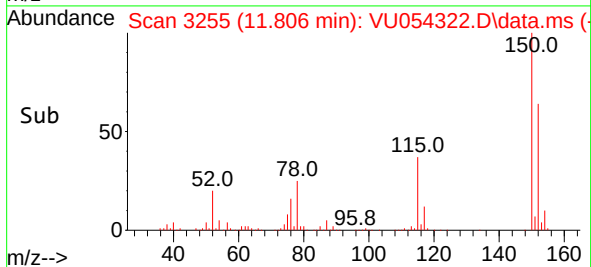
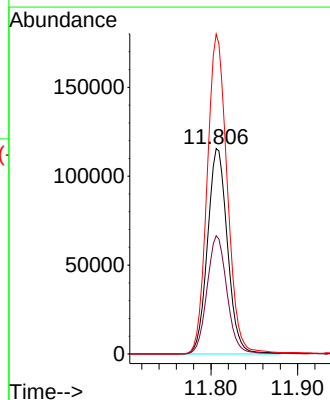
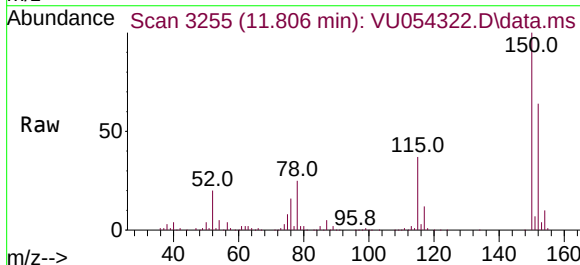


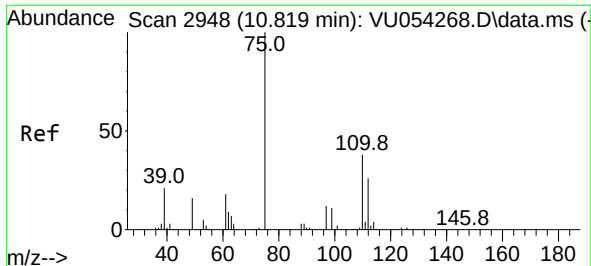
Tgt Ion:164	Resp:	711
Ion	Ratio	Lower Upper
164	100	
166	81.5	100.0 150.0#
129	60.7	72.0 108.0#
131	60.4	69.7 104.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion:152	Resp:	185070
Ion	Ratio	Lower Upper
152	100	
115	57.5	37.0 110.9
150	156.5	0.0 342.2

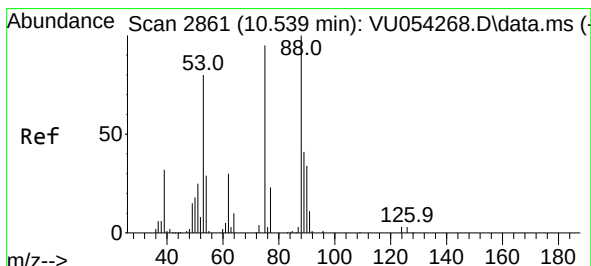
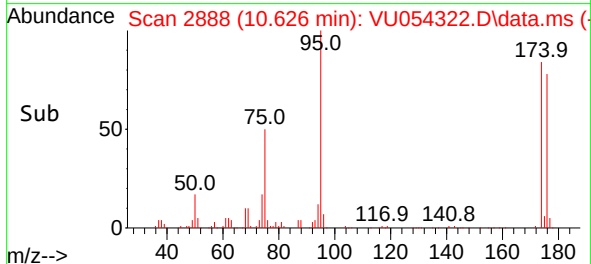
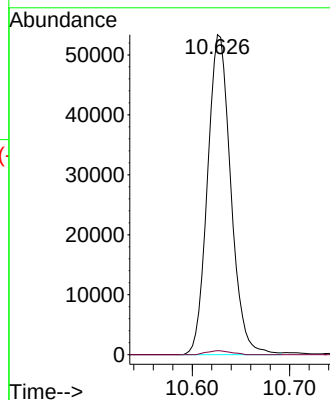
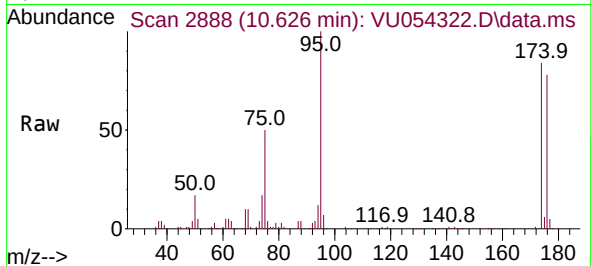




#76
1,2,3-Trichloropropane
Concen: 16.393 ug/l
RT: 10.626 min Scan# 21
Delta R.T. -0.193 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

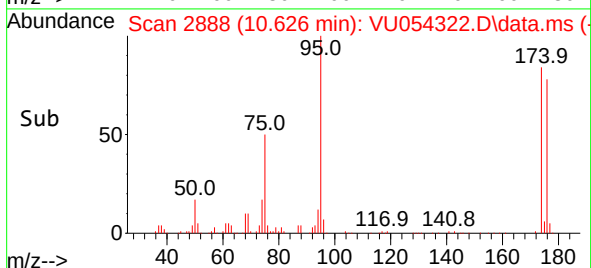
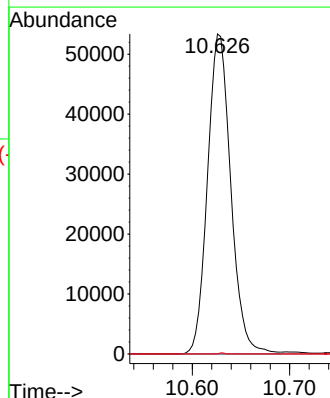
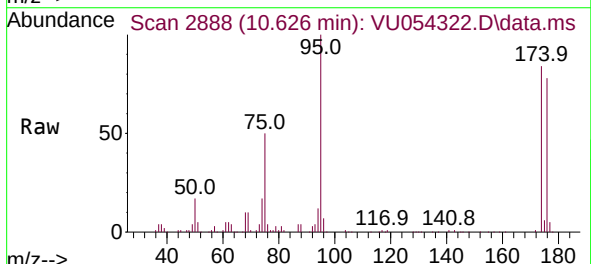
Instrument :
MSVOA_U
ClientSampleId :
22BR-20230524

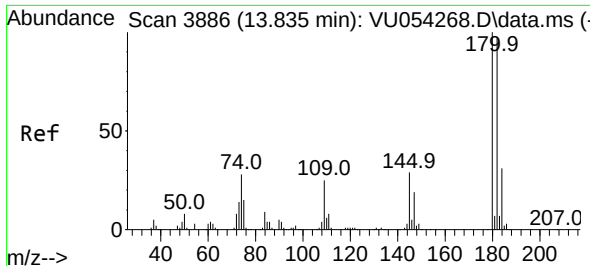
Tgt Ion: 75 Resp: 88545
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.423 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. 0.087 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion: 75 Resp: 88545
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.1 37.0 55.6#

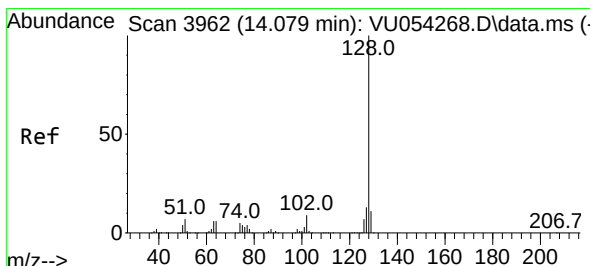
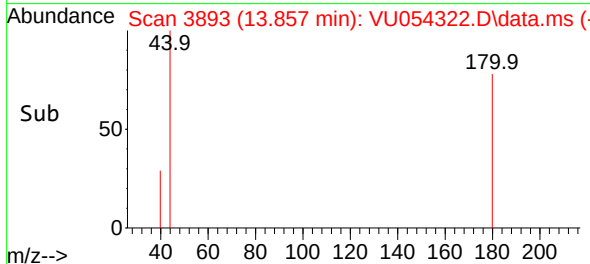
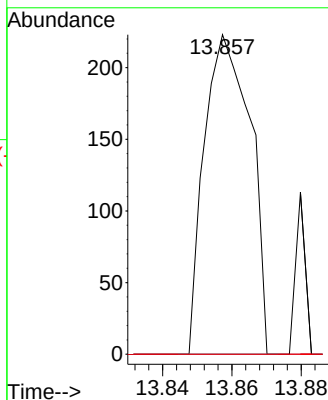
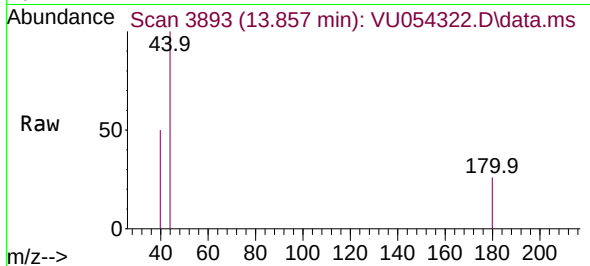




#93
1,2,4-Trichlorobenzene
Concen: 1.690 ug/l
RT: 13.857 min Scan# 3893
Delta R.T. 0.022 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

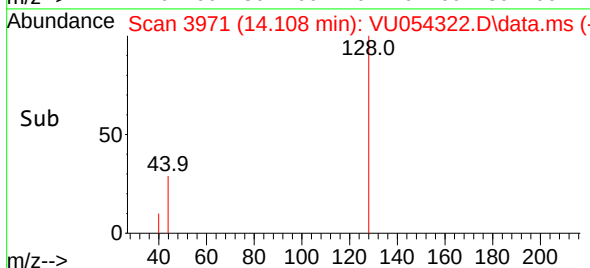
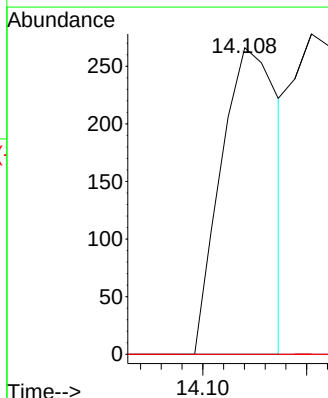
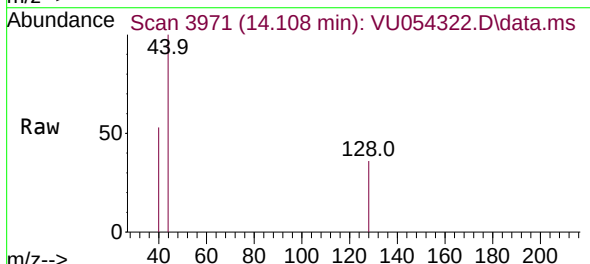
Instrument :
MSVOA_U
ClientSampleId :
22BR-20230524

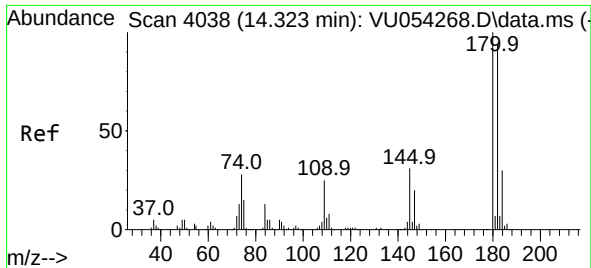
Tgt Ion:180 Resp: 205
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 14.0 41.9#



#95
Naphthalene
Concen: 2.006 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.029 min
Lab File: VU054322.D
Acq: 30 May 2023 18:31

Tgt Ion:128 Resp: 204
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: 1.272 ug/l

RT: 14.333 min Scan# 40

Delta R.T. 0.010 min

Lab File: VU054322.D

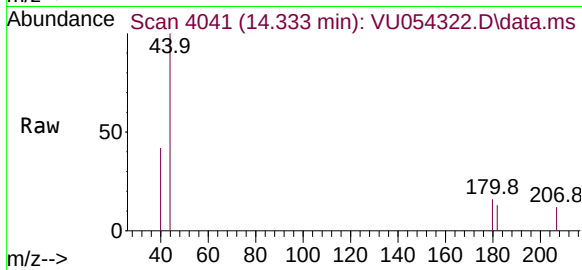
Acq: 30 May 2023 18:31

Instrument :

MSVOA_U

ClientSampleId :

22BR-20230524



Tgt Ion:180 Resp: 73

Ion Ratio Lower Upper

180 100

182 152.1 48.4 145.0#

145 0.0 14.8 44.4#

