

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054284.D
 Acq On : 26 May 2023 14:39
 Operator : JC/MD
 Sample : 02936-05DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 48BR-20230524DL

Quant Time: May 30 00:01:50 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)

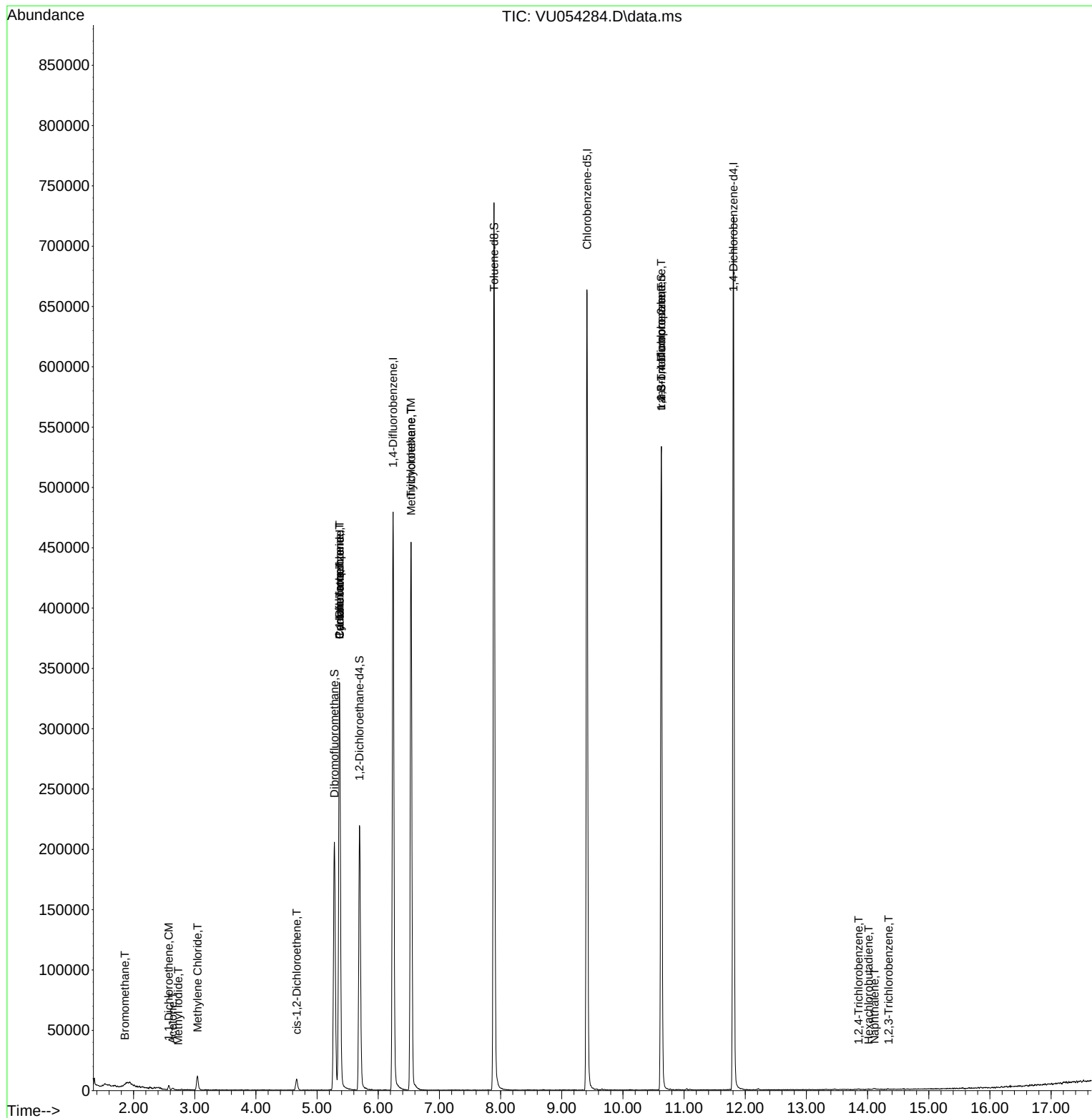
Internal Standards						
1) Pentafluorobenzene	5.369	168	246590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	400077	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	382964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	197148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	165204	51.106	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.220%
35) Dibromofluoromethane	5.282	113	135336	52.529	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.060%
50) Toluene-d8	7.893	98	500682	51.091	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.180%
62) 4-Bromofluorobenzene	10.629	95	180889	47.605	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.200%
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	396	0.208	ug/l #	4
10) Methyl Iodide	2.732	142	44	2.345	ug/l #	43
12) 1,1-Dichloroethene	2.575	96	880	0.332	ug/l	99
16) Acetone	2.639	43	1527	0.824	ug/l	89
20) Methylene Chloride	3.047	84	6172	1.846	ug/l	94
27) cis-1,2-Dichloroethene	4.668	96	5433	1.720	ug/l	87
31) Cyclohexane	5.369	56	4530	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19162	4.735	ug/l #	49
38) Carbon Tetrachloride	5.369	117	23929	5.777	ug/l #	17
39) Methylcyclohexane	6.539	83	1914	0.418	ug/l #	1
44) Trichloroethene	6.536	130	159026	49.286	ug/l	91
76) 1,2,3-Trichloropropane	10.626	75	90697	15.763	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	90697	60.023	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	380	1.724	ug/l #	87
94) Hexachlorobutadiene	14.018	225	100	0.867	ug/l #	19
95) Naphthalene	14.114	128	1542	2.093	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.343	180	237	1.306	ug/l #	47

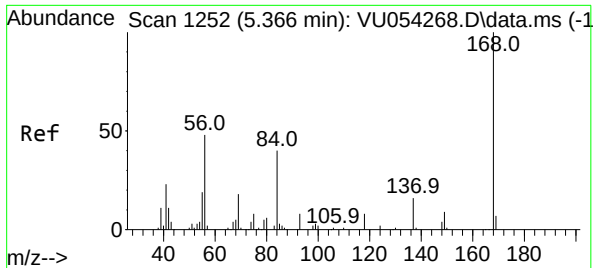
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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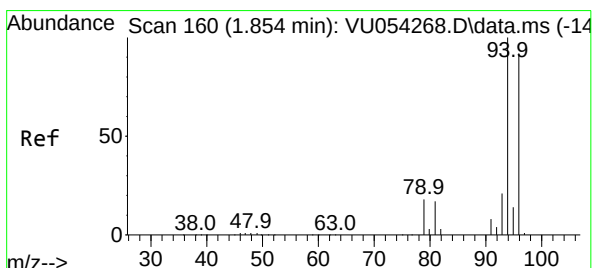
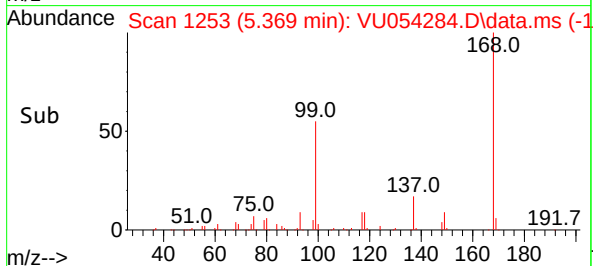
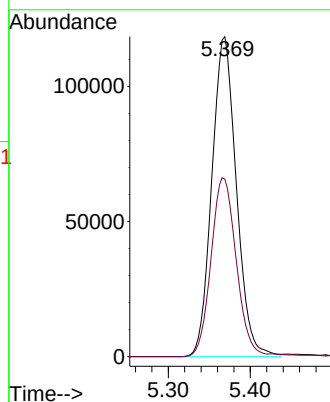
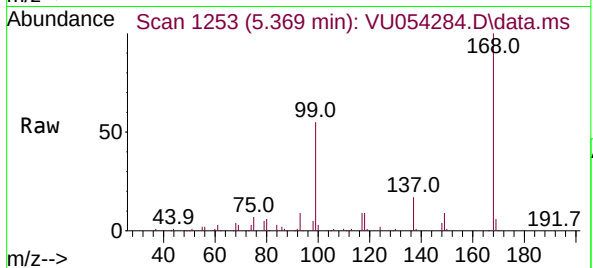




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

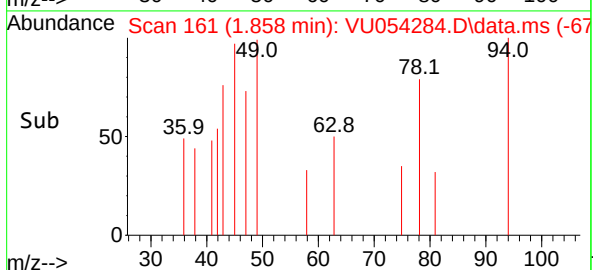
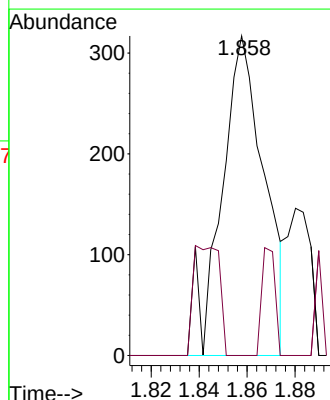
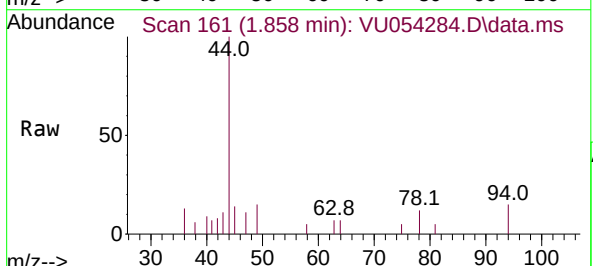
Instrument :
MSVOA_U
ClientSampleId :
48BR-20230524DL

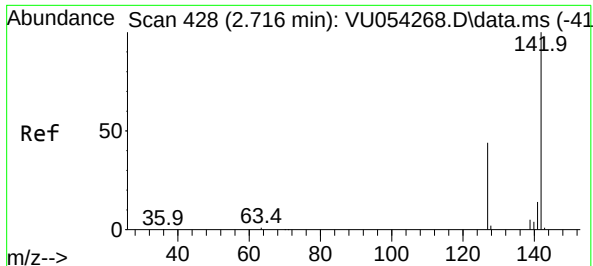
Tgt Ion:168 Resp: 246590
Ion Ratio Lower Upper
168 100
99 55.5 39.3 58.9



#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.858 min Scan# 161
Delta R.T. 0.004 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

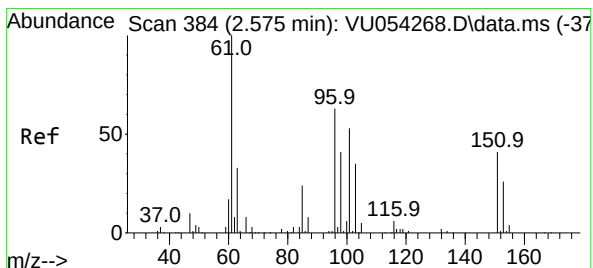
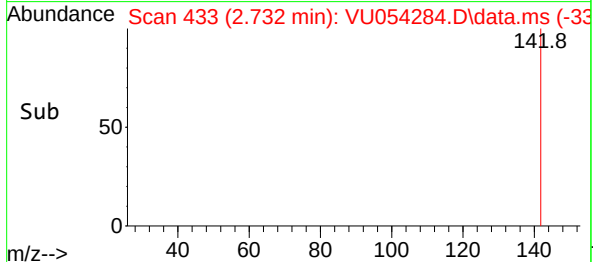
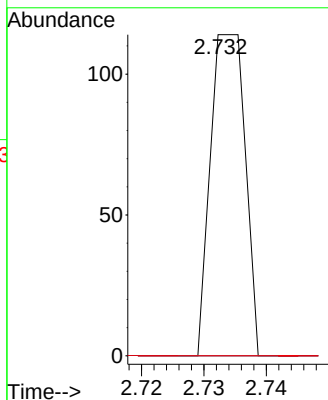
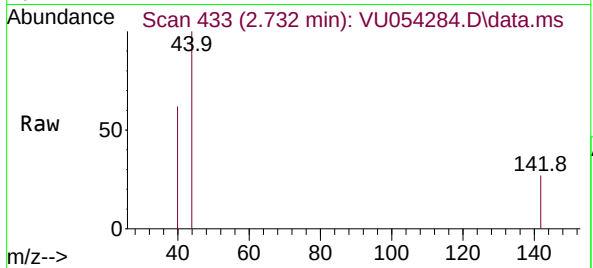




#10
Methyl Iodide
Concen: 2.345 ug/l
RT: 2.732 min Scan# 41
Delta R.T. 0.016 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

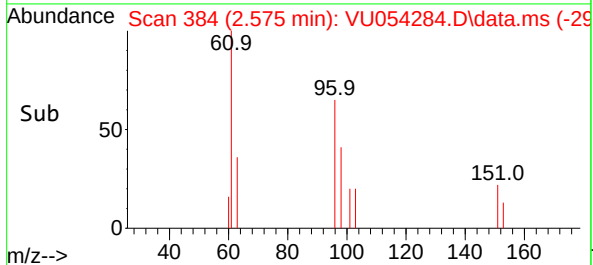
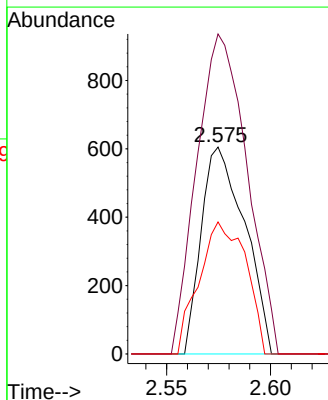
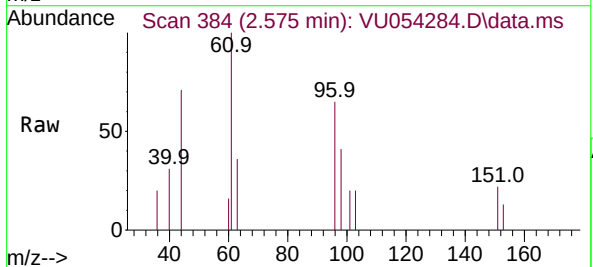
Instrument :
MSVOA_U
ClientSampleId :
48BR-20230524DL

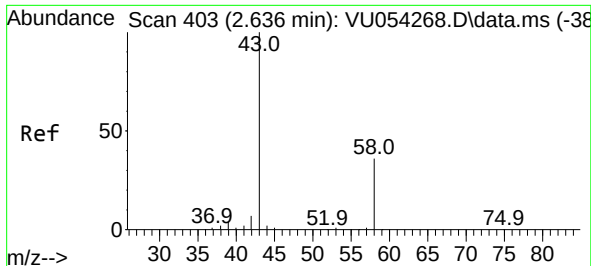
Tgt Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 0.332 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 96 Resp: 880
Ion Ratio Lower Upper
96 100
61 154.7 122.2 183.2
98 63.8 50.7 76.1





#16

Acetone

Concen: 0.824 ug/l

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

Instrument :

MSVOA_U

ClientSampleId :

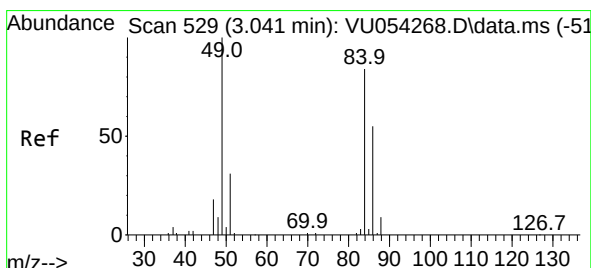
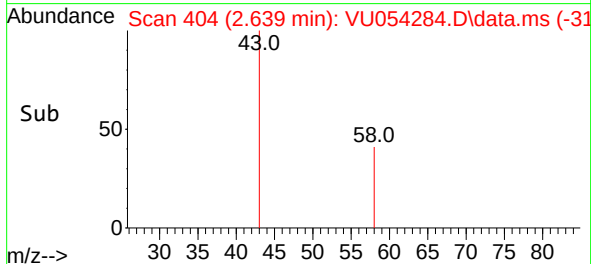
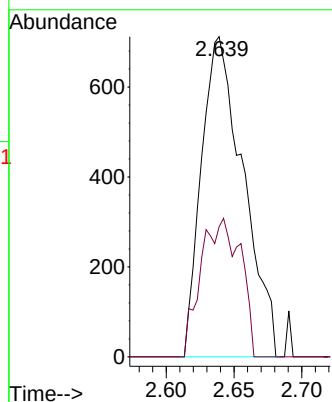
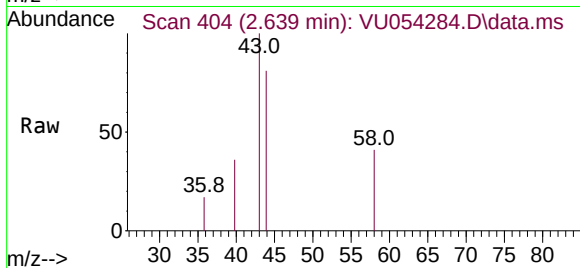
48BR-20230524DL

Tgt Ion: 43 Resp: 1527

Ion Ratio Lower Upper

43 100

58 40.6 27.5 41.3



#20

Methylene Chloride

Concen: 1.846 ug/l

RT: 3.047 min Scan# 531

Delta R.T. 0.006 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

Tgt Ion: 84 Resp: 6172

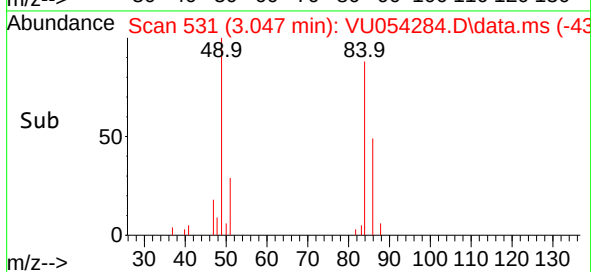
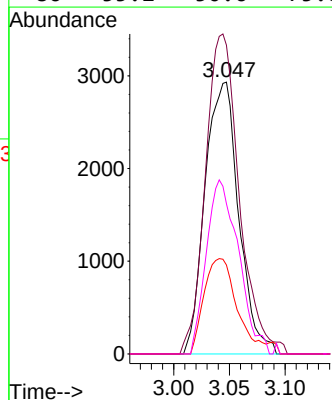
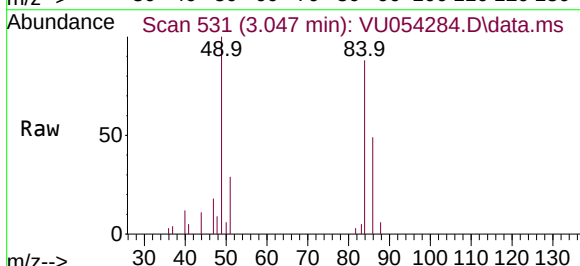
Ion Ratio Lower Upper

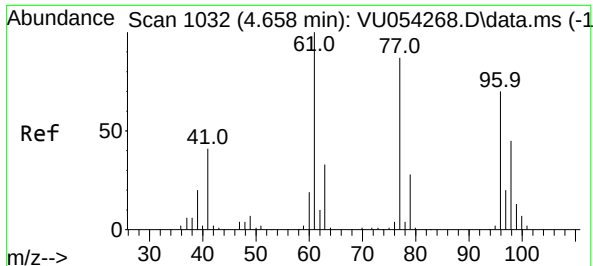
84 100

49 113.6 86.6 129.8

51 32.7 26.6 40.0

86 55.2 50.6 75.8





#27

cis-1,2-Dichloroethene

Concen: 1.720 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

Instrument :

MSVOA_U

ClientSampleId :

48BR-20230524DL

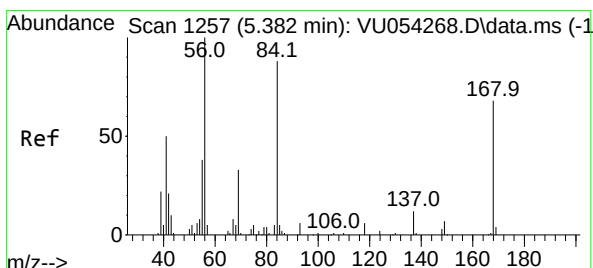
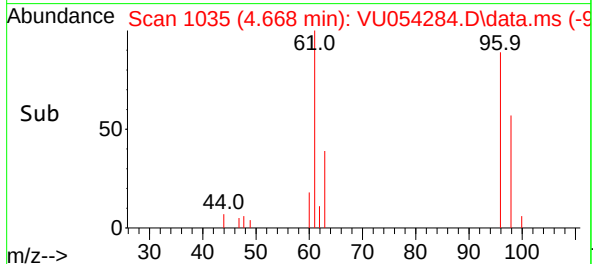
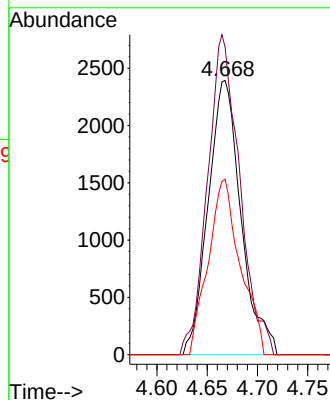
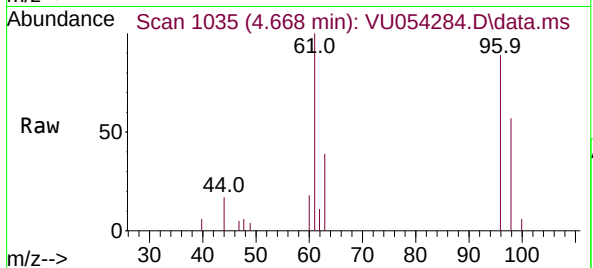
Tgt Ion: 96 Resp: 5433

Ion Ratio Lower Upper

96 100

61 114.2 0.0 271.6

98 62.5 0.0 128.2



#31

Cyclohexane

Concen: 0.992 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

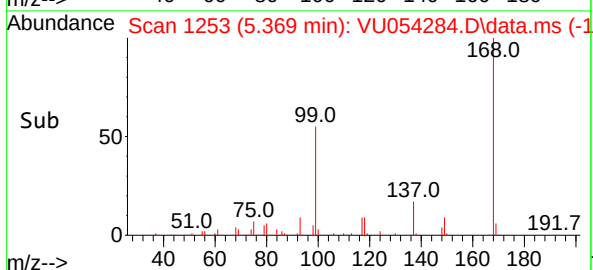
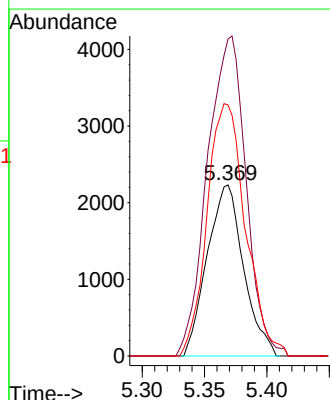
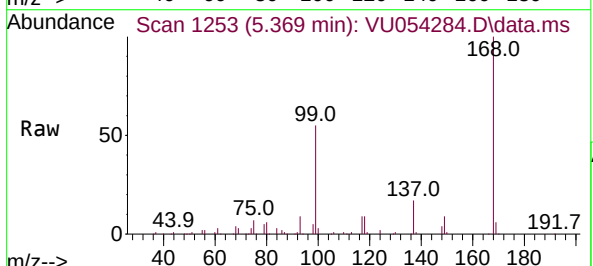
Tgt Ion: 56 Resp: 4530

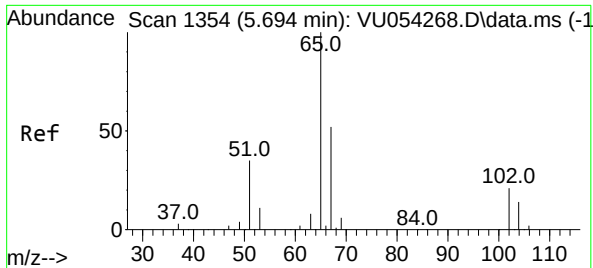
Ion Ratio Lower Upper

56 100

69 180.7 27.8 41.8#

84 146.8 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 51.106 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054284.D

Acq: 26 May 2023 14:39

Instrument :

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ClientSampleId :

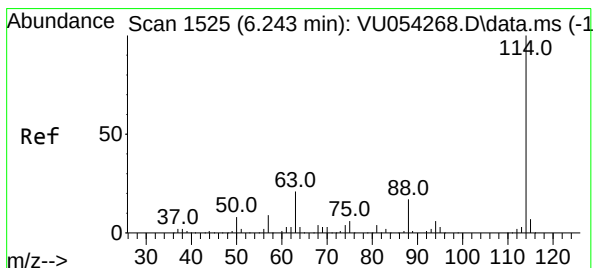
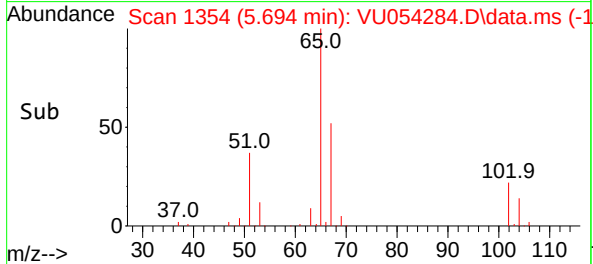
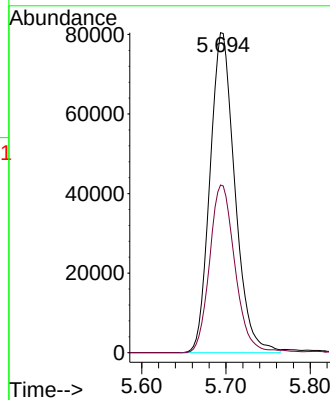
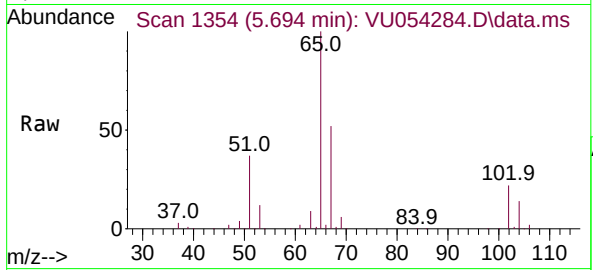
48BR-20230524DL

Tgt Ion: 65 Resp: 165204

Ion Ratio Lower Upper

65 100

67 53.6 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: VU054284.D

Acq: 26 May 2023 14:39

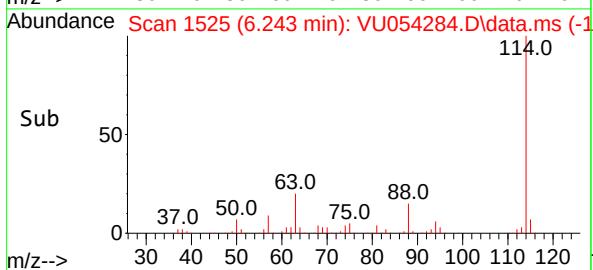
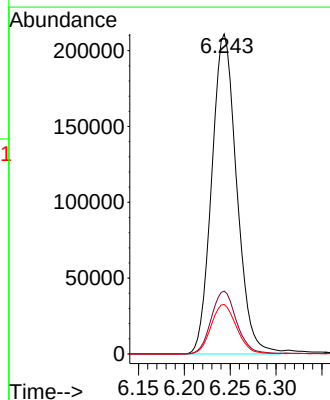
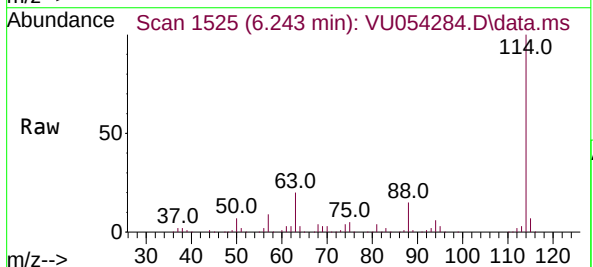
Tgt Ion: 114 Resp: 400077

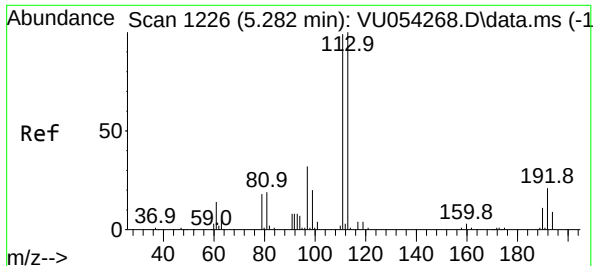
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.8

88 15.4 0.0 29.2

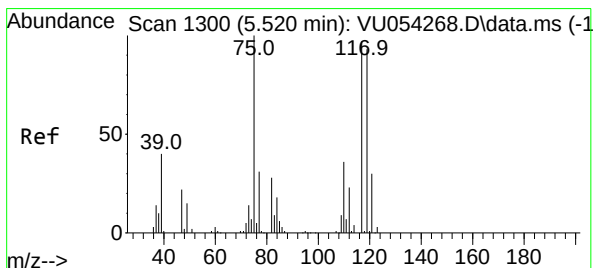
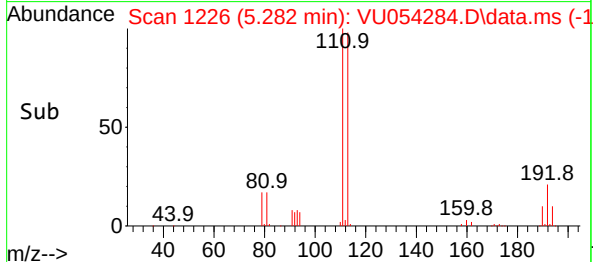
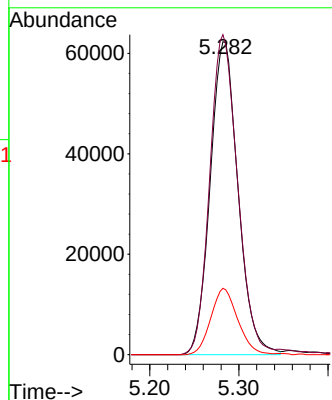
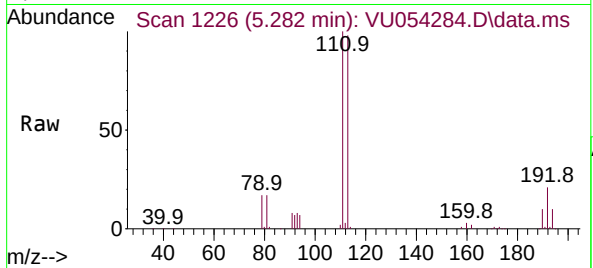




#35
Dibromofluoromethane
Concen: 52.529 ug/l
RT: 5.282 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

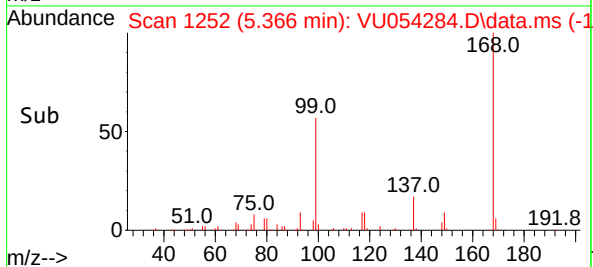
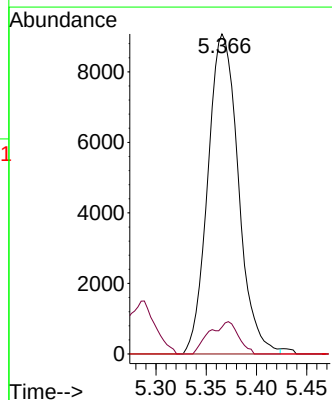
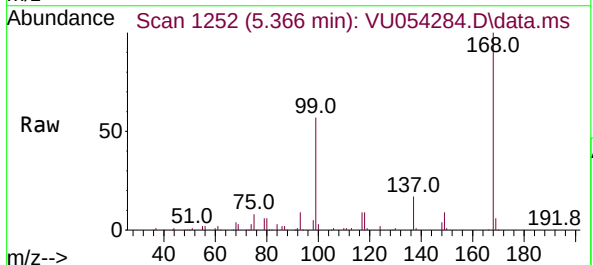
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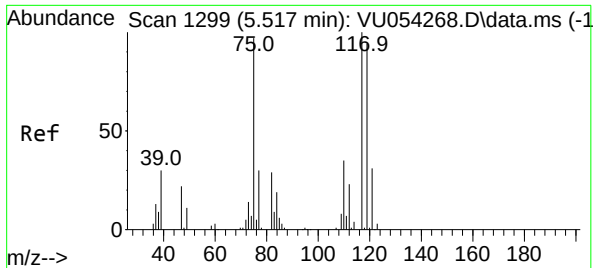
Tgt Ion:113 Resp: 135336
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 20.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.735 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 75 Resp: 19162
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 25.1 37.7#

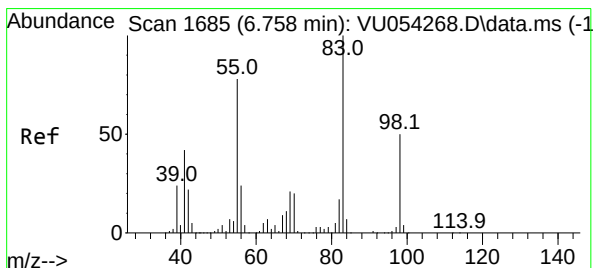
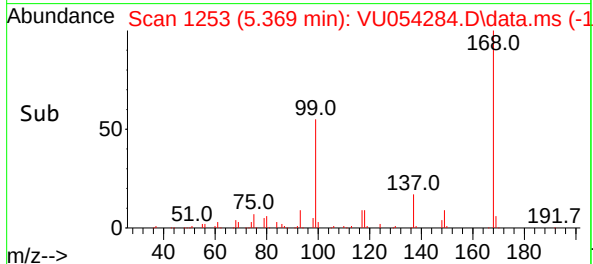
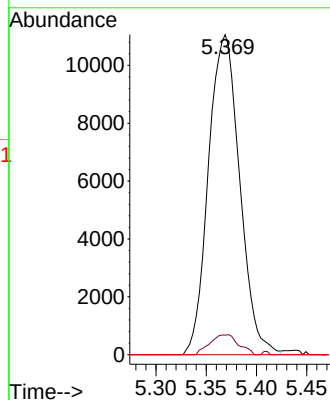
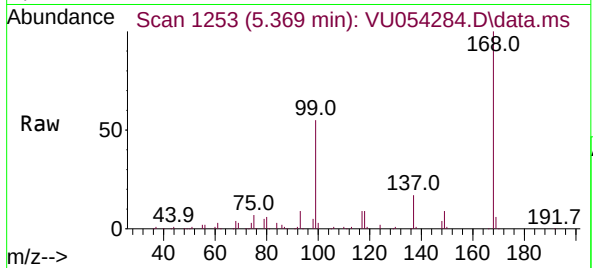




#38
Carbon Tetrachloride
Concen: 5.777 ug/l
RT: 5.369 min Scan# 1117
Delta R.T. -0.148 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

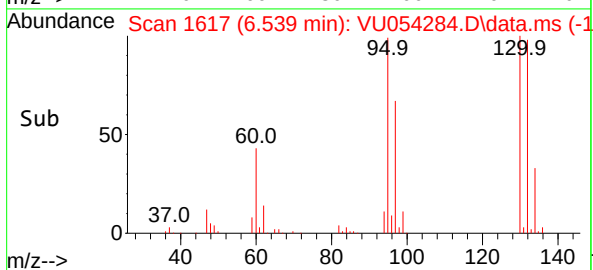
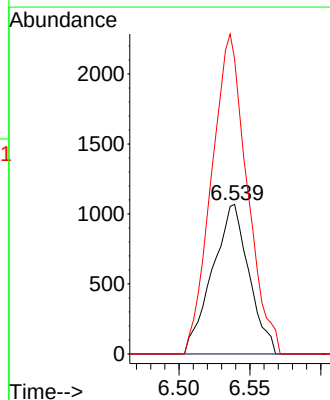
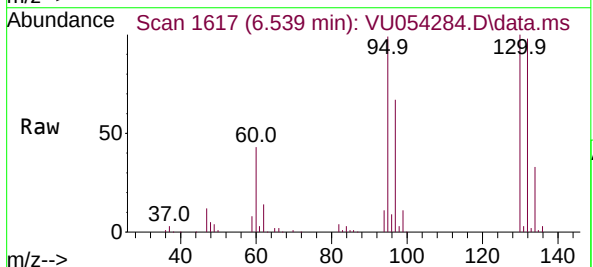
Instrument :
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48BR-20230524DL

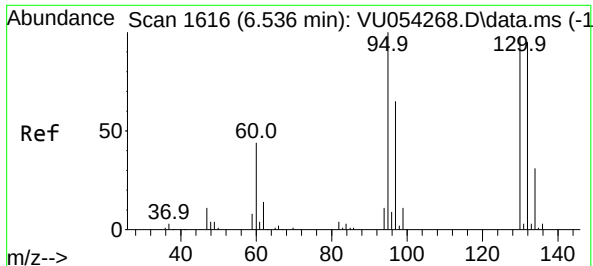
Tgt Ion:117 Resp: 23929
Ion Ratio Lower Upper
117 100
119 6.1 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.418 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.219 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 83 Resp: 1914
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 197.4 37.3 55.9#

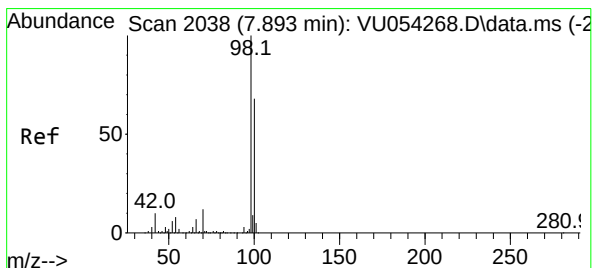
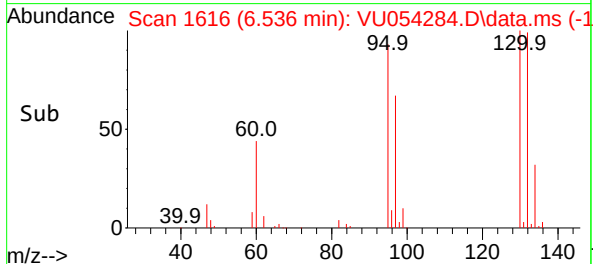
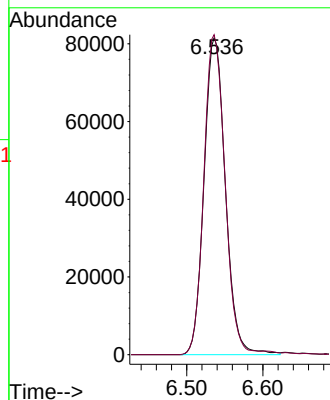
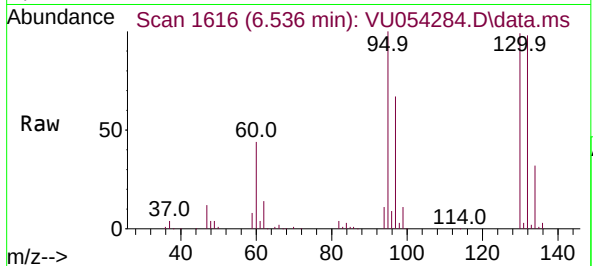




#44
Trichloroethene
Concen: 49.286 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

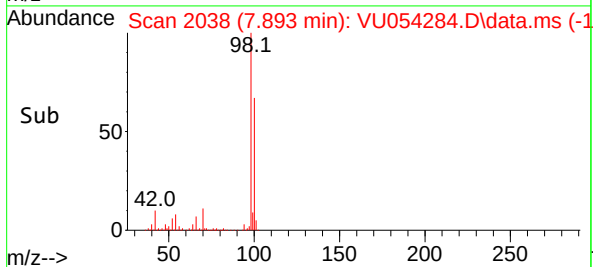
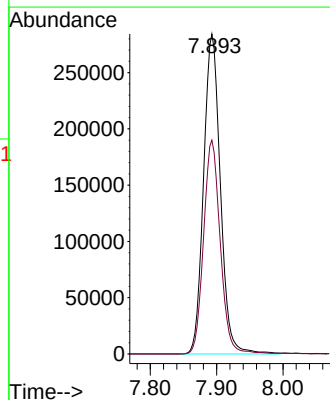
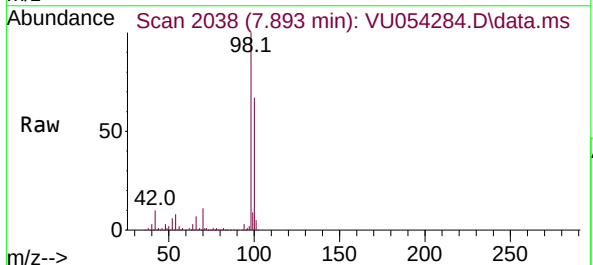
Instrument :
MSVOA_U
ClientSampleId :
48BR-20230524DL

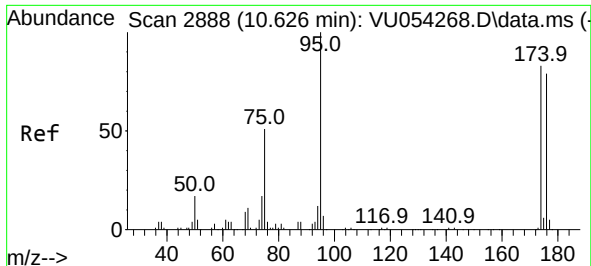
Tgt Ion:130 Resp: 159026
Ion Ratio Lower Upper
130 100
95 101.0 0.0 184.6



#50
Toluene-d8
Concen: 51.091 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 98 Resp: 500682
Ion Ratio Lower Upper
98 100
100 66.2 51.7 77.5

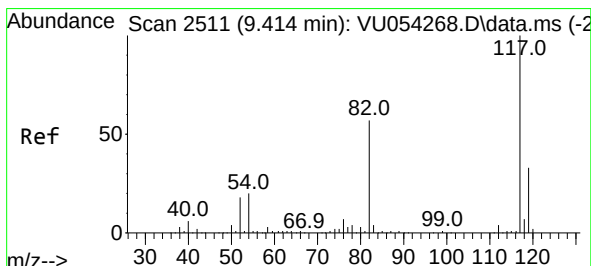
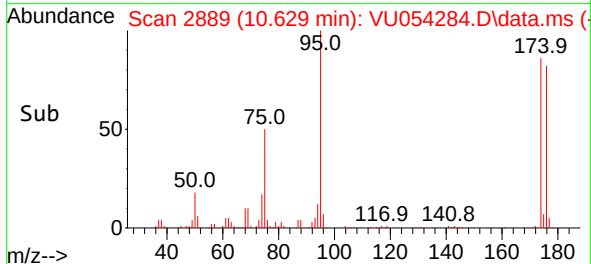
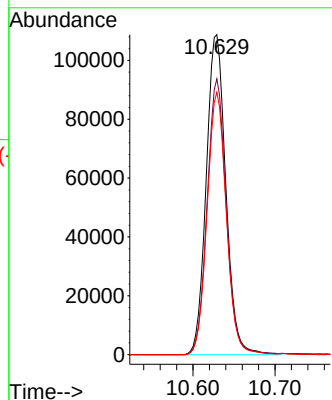
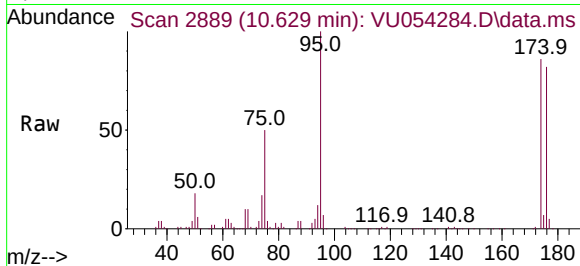




#62
4-Bromofluorobenzene
Concen: 47.605 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

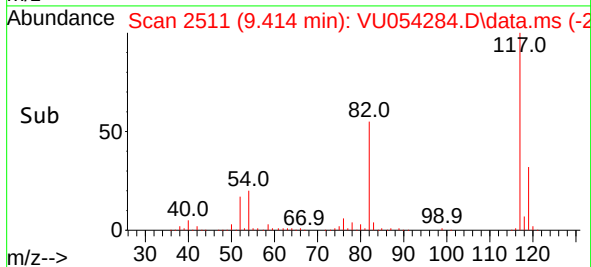
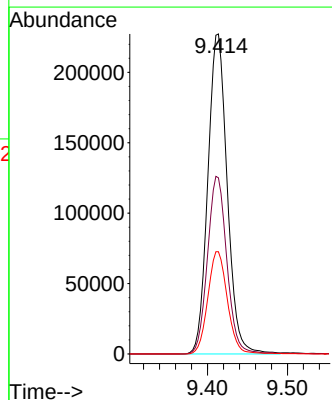
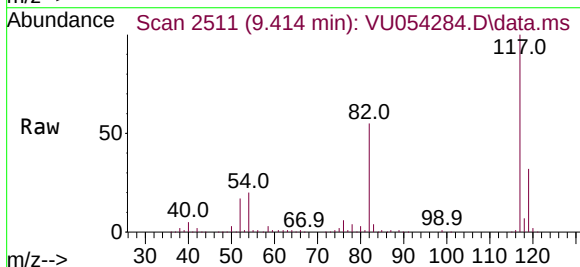
Instrument :
MSVOA_U
ClientSampleId :
48BR-20230524DL

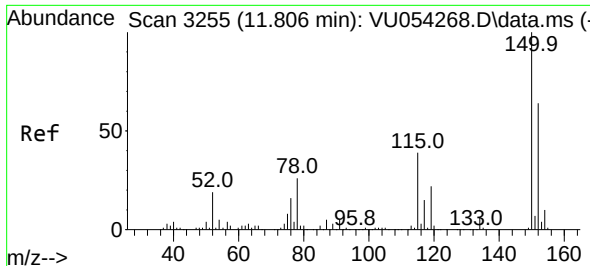
Tgt Ion: 95 Resp: 180889
Ion Ratio Lower Upper
95 100
174 84.4 0.0 182.0
176 80.3 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion: 117 Resp: 382964
Ion Ratio Lower Upper
117 100
82 55.0 41.7 62.5
119 32.0 25.7 38.5

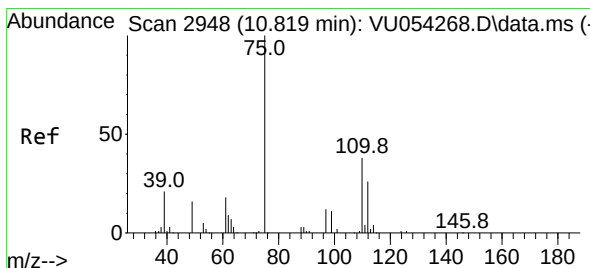
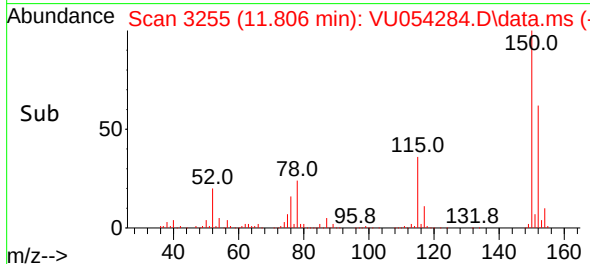
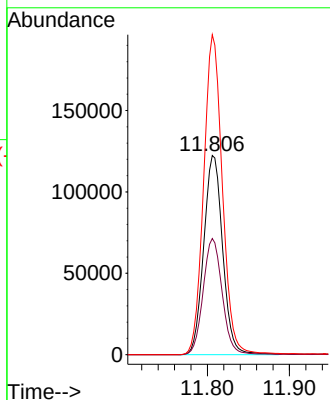
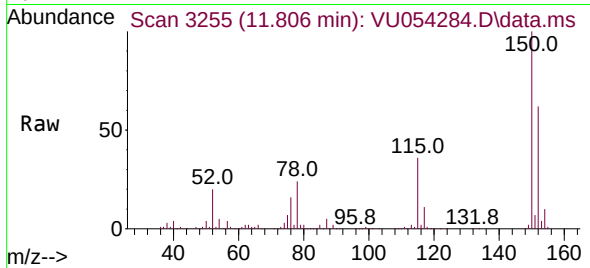




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054284.D
 Acq: 26 May 2023 14:39

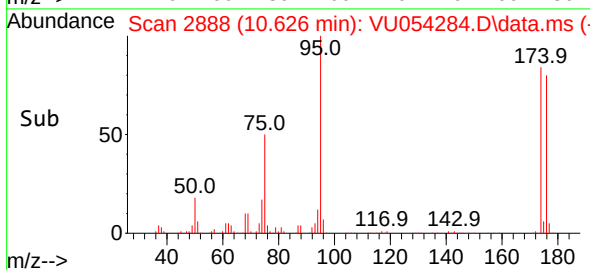
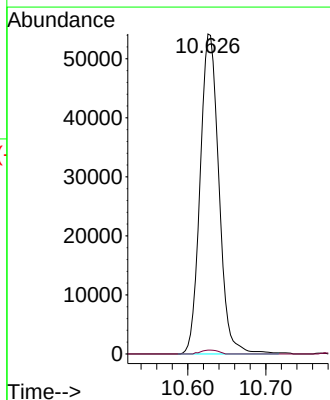
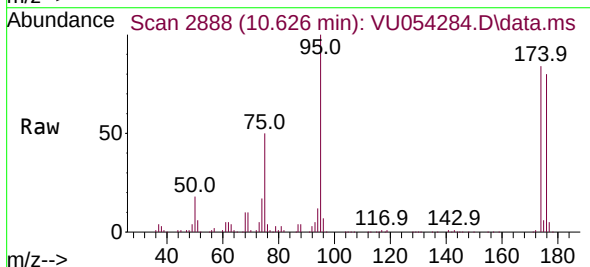
Instrument :
 MSVOA_U
 ClientSampleId :
 48BR-20230524DL

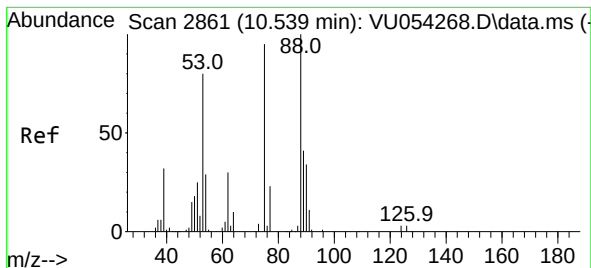
Tgt Ion:152 Resp: 197148
 Ion Ratio Lower Upper
 152 100
 115 58.5 37.0 110.9
 150 158.5 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.763 ug/l
 RT: 10.626 min Scan# 2888
 Delta R.T. -0.193 min
 Lab File: VU054284.D
 Acq: 26 May 2023 14:39

Tgt Ion: 75 Resp: 90697
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

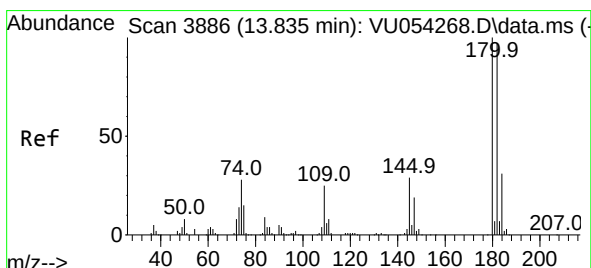
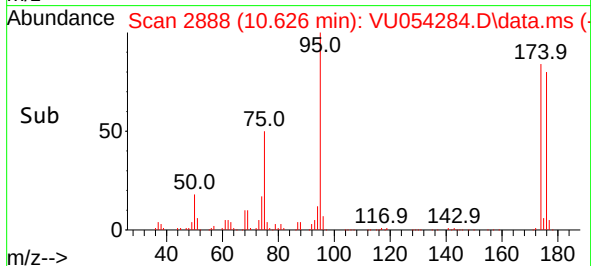
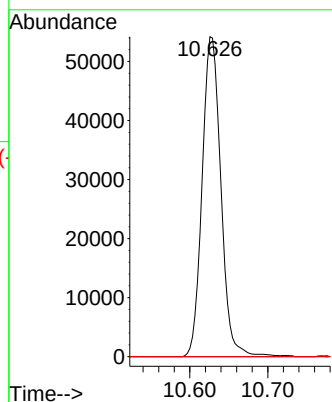
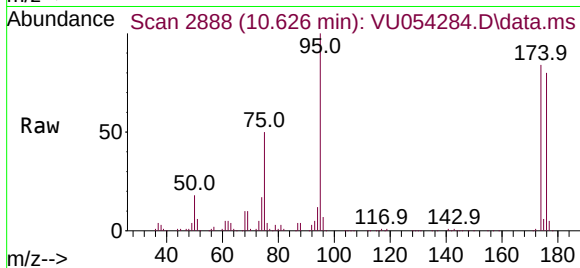




#81
trans-1,4-Dichloro-2-butene
Concen: 60.023 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

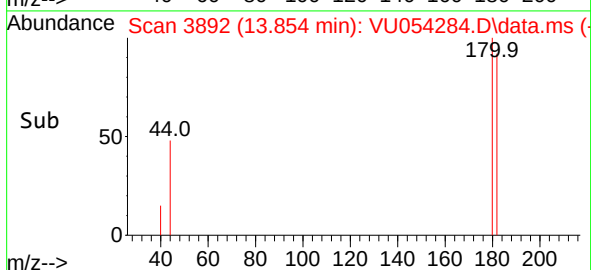
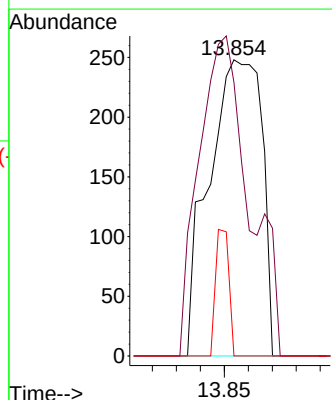
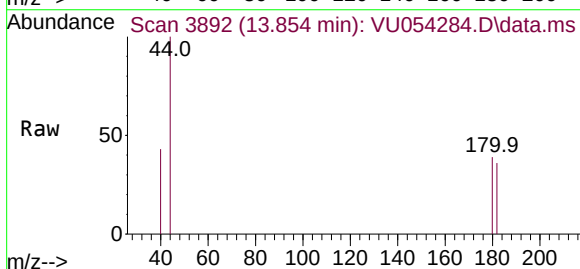
Instrument :
MSVOA_U
ClientSampleId :
48BR-20230524DL

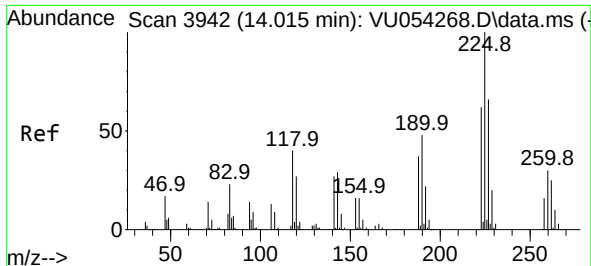
Tgt Ion: 75 Resp: 90697
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.724 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.019 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt Ion:180 Resp: 380
Ion Ratio Lower Upper
180 100
182 102.6 47.9 143.6
145 10.8 14.0 41.9#

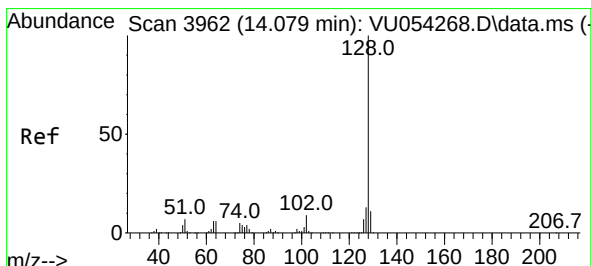
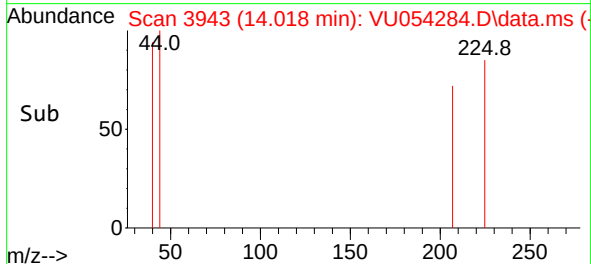
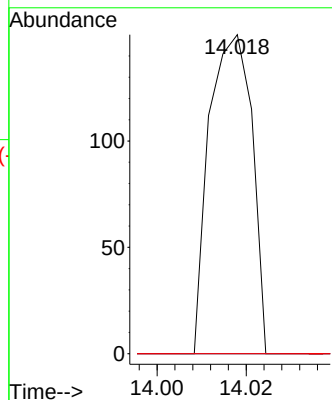
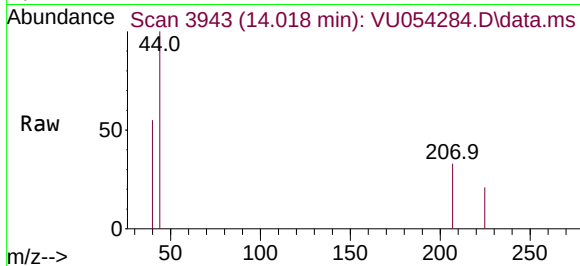




#94
Hexachlorobutadiene
Concen: 0.867 ug/l
RT: 14.018 min Scan# 3942
Delta R.T. 0.003 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

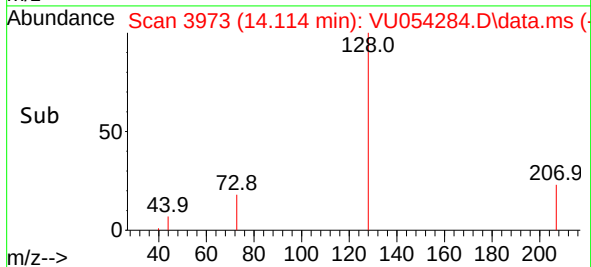
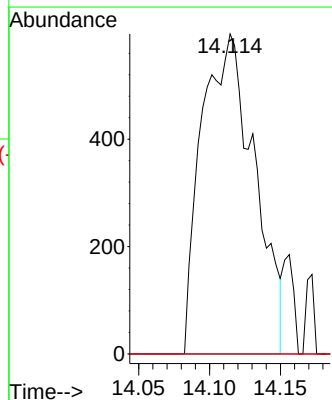
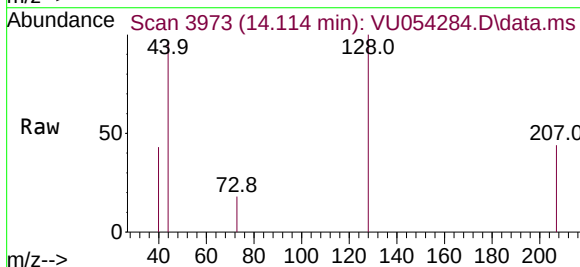
Instrument :
MSVOA_U
ClientSampleId :
48BR-20230524DL

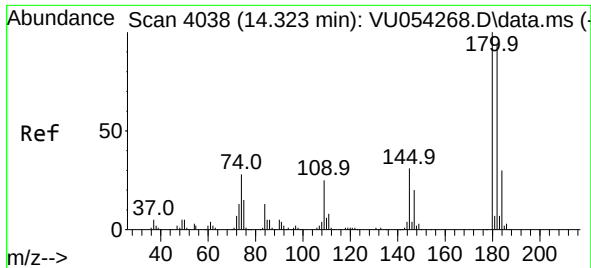
Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.3	93.9#
227	0.0	32.0	96.2#



#95
Naphthalene
Concen: 2.093 ug/l
RT: 14.114 min Scan# 3973
Delta R.T. 0.035 min
Lab File: VU054284.D
Acq: 26 May 2023 14:39

Tgt 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: 1.306 ug/l

RT: 14.343 min Scan# 40

Delta R.T. 0.020 min

Lab File: VU054284.D

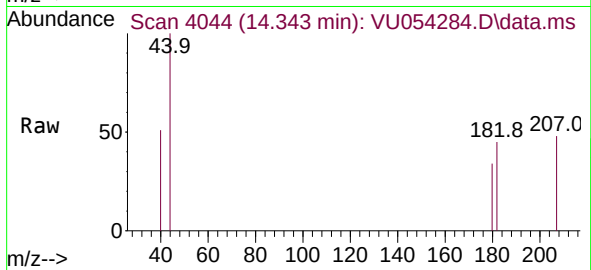
Acq: 26 May 2023 14:39

Instrument :

MSVOA_U

ClientSampleId :

48BR-20230524DL



Tgt Ion:180 Resp: 237

Ion Ratio Lower Upper

180 100

182 148.1 48.4 145.0#

145 0.0 14.8 44.4#

