

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054291.D
 Acq On : 26 May 2023 17:24
 Operator : JC/MD
 Sample : 02936-13 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 7BR-20230524

Quant Time: May 30 00:04:07 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)

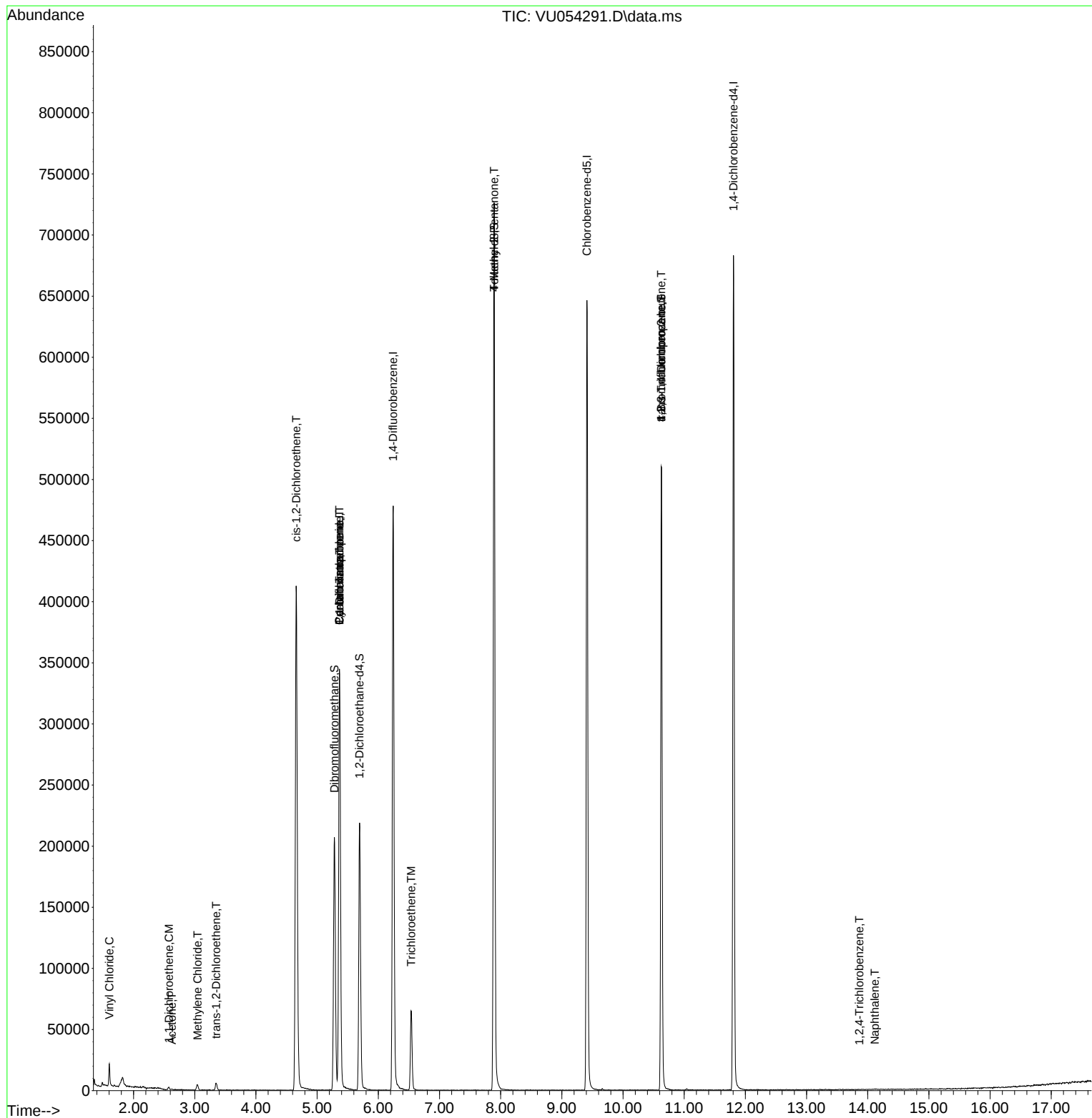
Internal Standards						
1) Pentafluorobenzene	5.366	168	252773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	402059	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	375015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	187348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	163782	49.427	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.860%		
35) Dibromofluoromethane	5.282	113	133486	51.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.120%		
50) Toluene-d8	7.893	98	489210	49.674	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.340%		
62) 4-Bromofluorobenzene	10.626	95	170840	44.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.480%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.604	62	13728	3.894	ug/l	96
12) 1,1-Dichloroethene	2.578	96	705	0.259	ug/l	90
16) Acetone	2.623	43	575	0.303	ug/l #	66
20) Methylene Chloride	3.044	84	2310	0.674	ug/l	96
21) trans-1,2-Dichloroethene	3.350	96	2293	0.788	ug/l	95
27) cis-1,2-Dichloroethene	4.658	96	223743	69.094	ug/l	95
31) Cyclohexane	5.366	56	4657	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19424	4.776	ug/l #	48
38) Carbon Tetrachloride	5.366	117	24470	5.879	ug/l #	16
44) Trichloroethene	6.536	130	23581	7.272	ug/l	93
51) 4-Methyl-2-Pentanone	7.893	43	1838	0.403	ug/l #	1
76) 1,2,3-Trichloropropane	10.626	75	86378	15.797	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	86378	60.155	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.864	180	70	1.659	ug/l #	83
95) Naphthalene	14.115	128	287	2.011	ug/l #	69

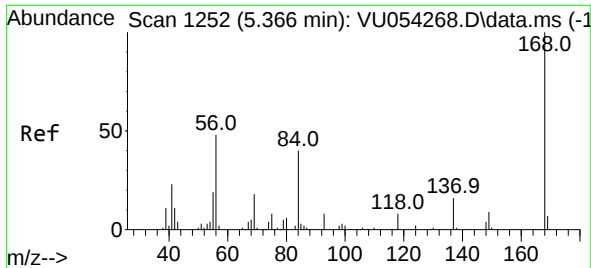
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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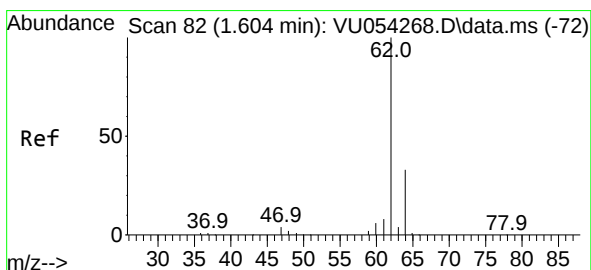
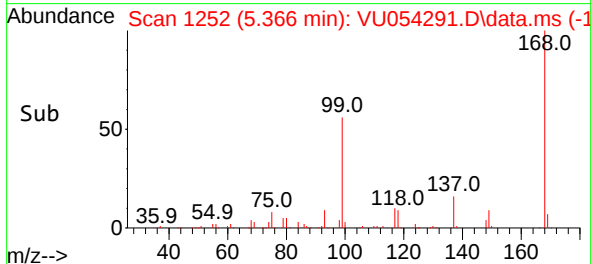
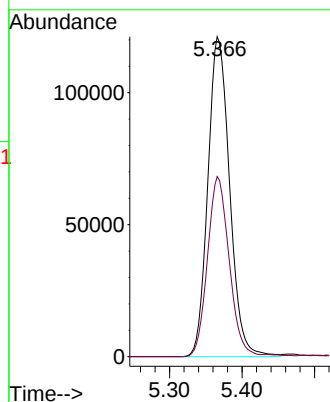
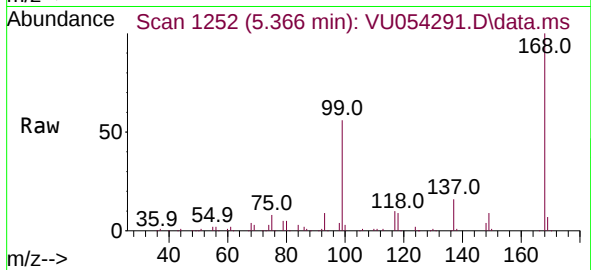




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

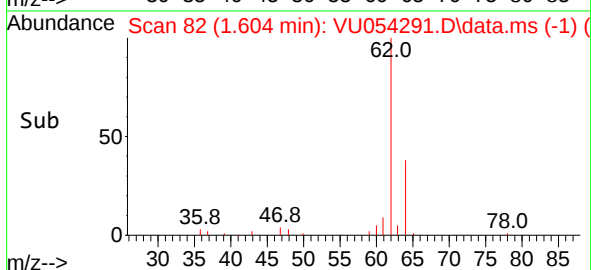
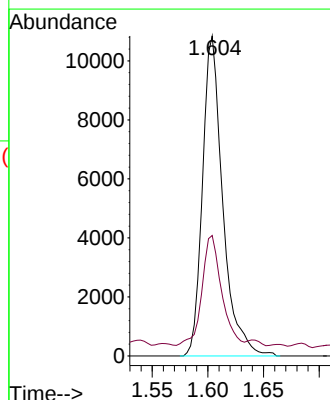
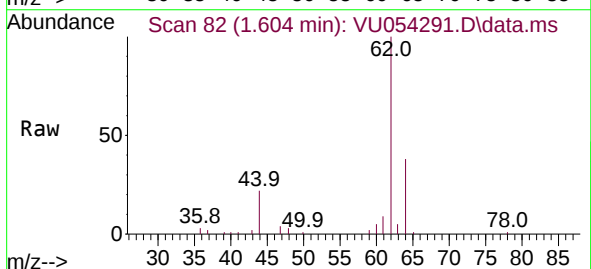
Instrument :
MSVOA_U
ClientSampleId :
7BR-20230524

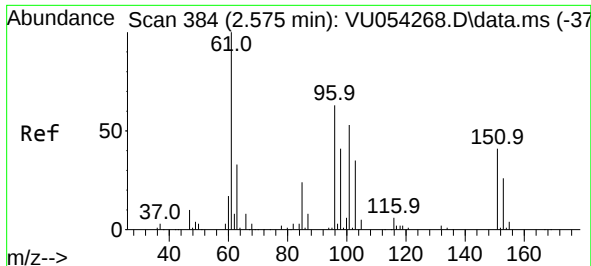
Tgt Ion:168 Resp: 252773
Ion Ratio Lower Upper
168 100
99 56.3 39.3 58.9



#4
Vinyl Chloride
Concen: 3.894 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Tgt Ion: 62 Resp: 13728
Ion Ratio Lower Upper
62 100
64 34.0 25.3 37.9





#12

1,1-Dichloroethene

Concen: 0.259 ug/l

RT: 2.578 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054291.D

Acq: 26 May 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

7BR-20230524

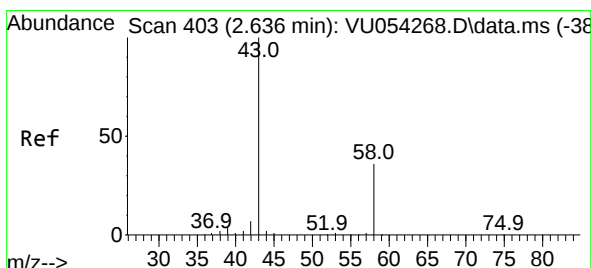
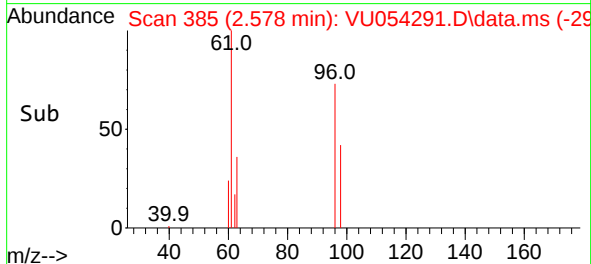
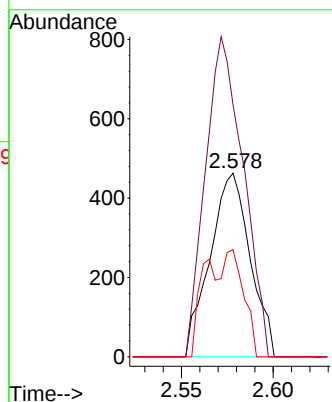
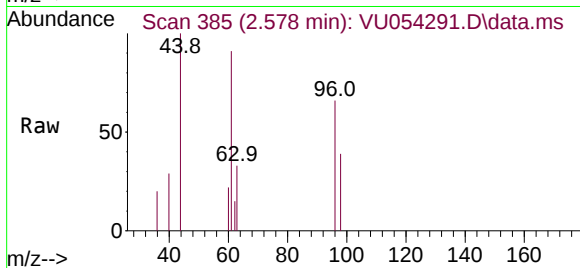
Tgt Ion: 96 Resp: 705

Ion Ratio Lower Upper

96 100

61 137.4 122.2 183.2

98 58.3 50.7 76.1



#16

Acetone

Concen: 0.303 ug/l

RT: 2.623 min Scan# 399

Delta R.T. -0.013 min

Lab File: VU054291.D

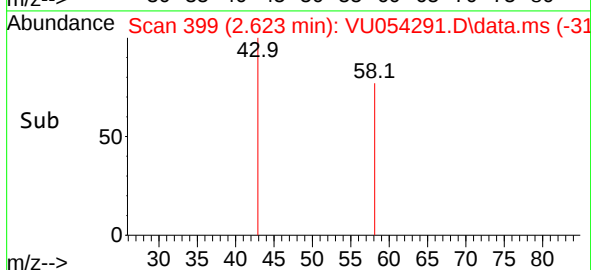
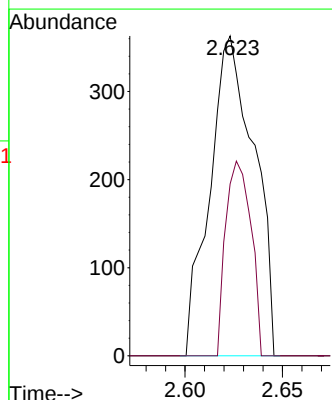
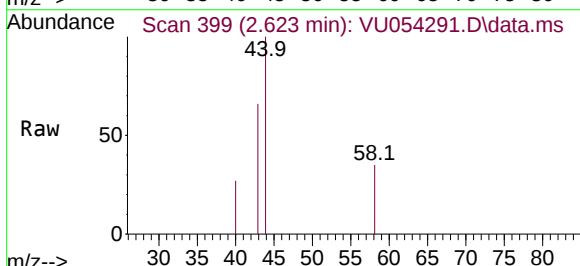
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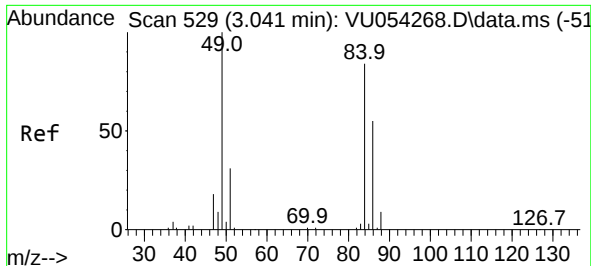
Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

58 53.7 27.5 41.3#



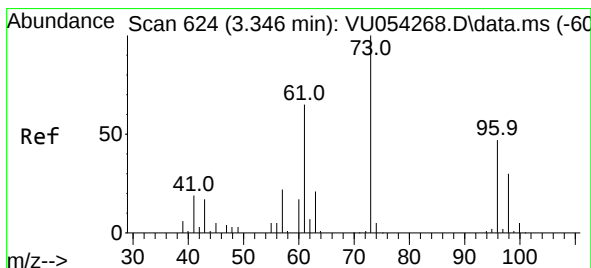
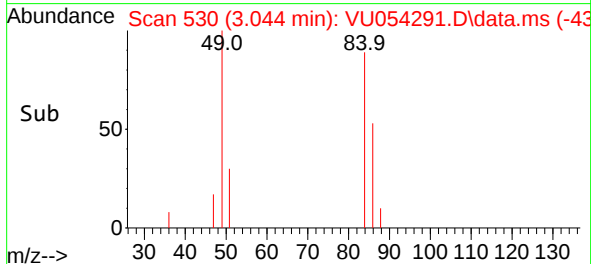
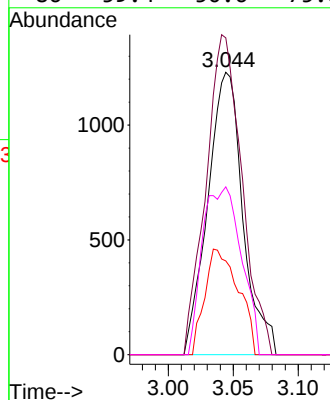
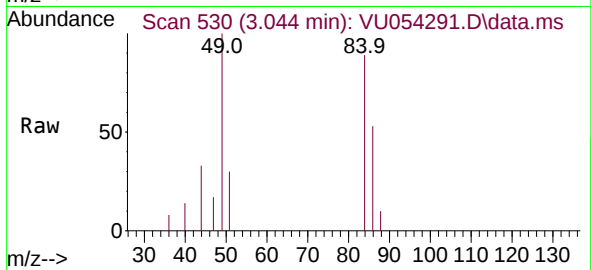


#20
Methylene Chloride
Concen: 0.674 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :
7BR-20230524

Tgt Ion: 84 Resp: 2310

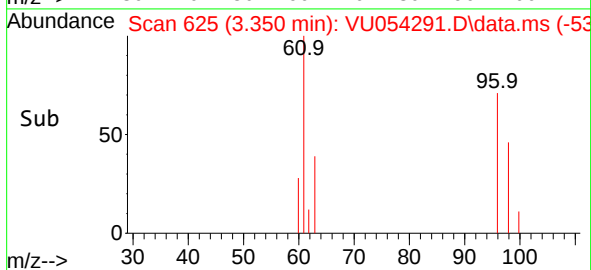
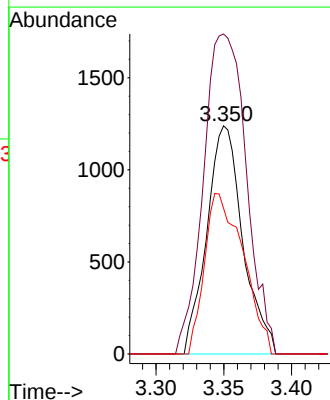
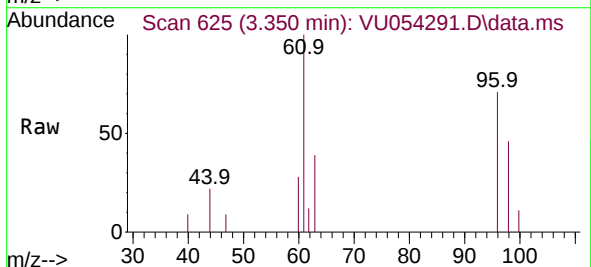
Ion	Ratio	Lower	Upper
84	100		
49	112.2	86.6	129.8
51	33.2	26.6	40.0
86	59.4	50.6	75.8

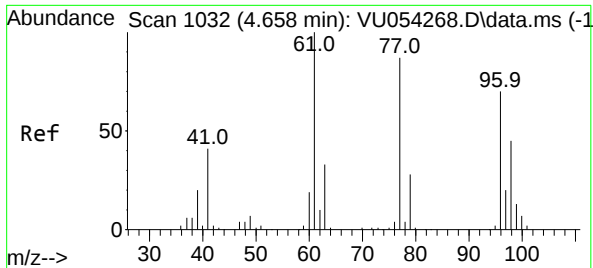


#21
trans-1,2-Dichloroethene
Concen: 0.788 ug/l
RT: 3.350 min Scan# 625
Delta R.T. 0.004 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Tgt Ion: 96 Resp: 2293

Ion	Ratio	Lower	Upper
96	100		
61	140.3	106.1	159.1
98	63.8	50.8	76.2

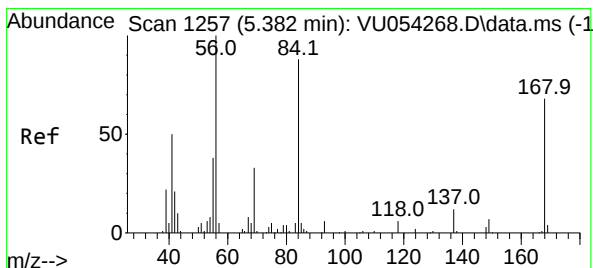
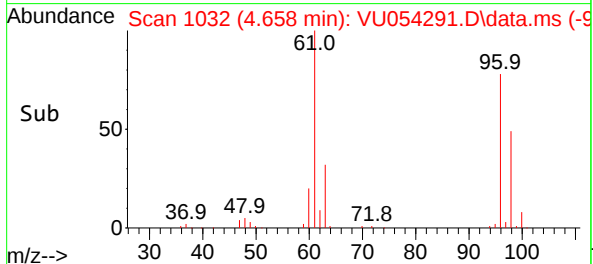
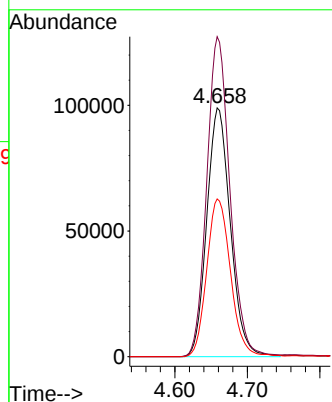
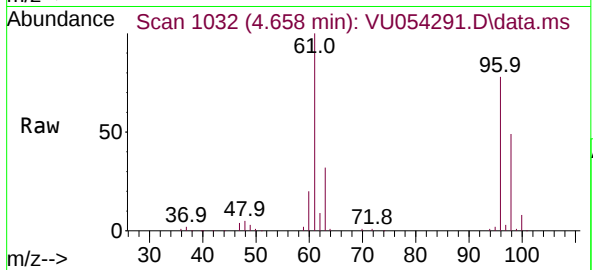




#27
 cis-1,2-Dichloroethene
 Concen: 69.094 ug/l
 RT: 4.658 min Scan# 1032
 Delta R.T. 0.000 min
 Lab File: VU054291.D
 Acq: 26 May 2023 17:24

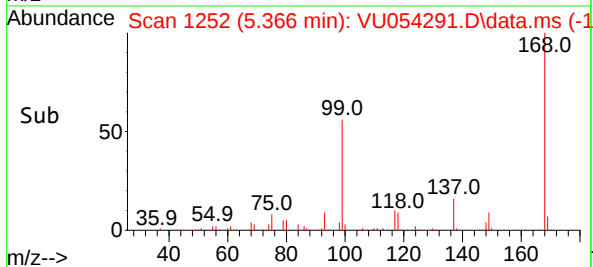
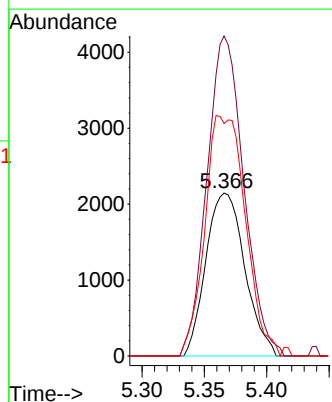
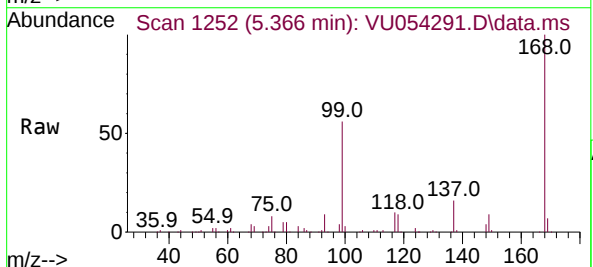
Instrument :
 MSVOA_U
 ClientSampleId :
 7BR-20230524

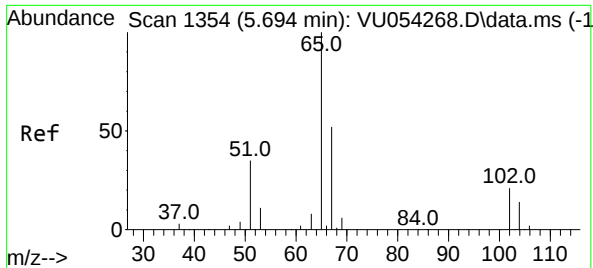
Tgt Ion: 96 Resp: 223743
 Ion Ratio Lower Upper
 96 100
 61 126.6 0.0 271.6
 98 64.0 0.0 128.2



#31
 Cyclohexane
 Concen: 0.995 ug/l
 RT: 5.366 min Scan# 1252
 Delta R.T. -0.016 min
 Lab File: VU054291.D
 Acq: 26 May 2023 17:24

Tgt Ion: 56 Resp: 4657
 Ion Ratio Lower Upper
 56 100
 69 196.5 27.8 41.8#
 84 142.8 74.2 111.4#

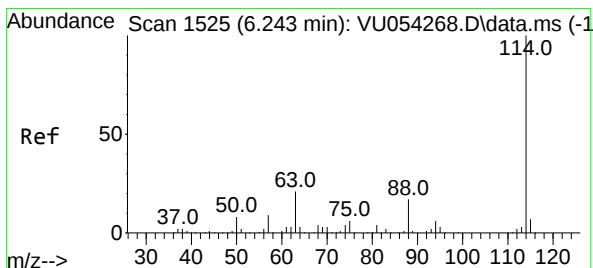
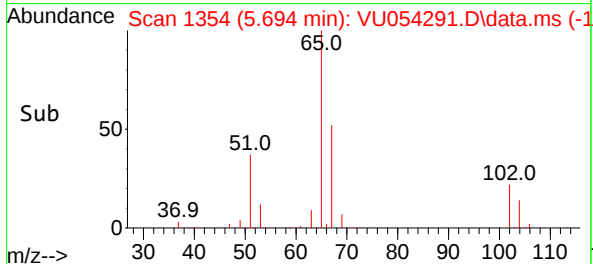
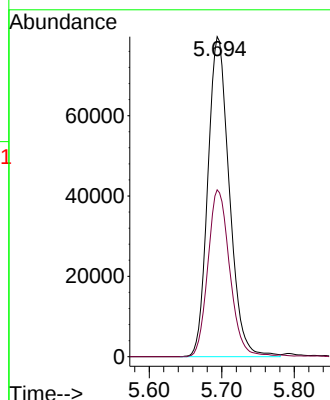
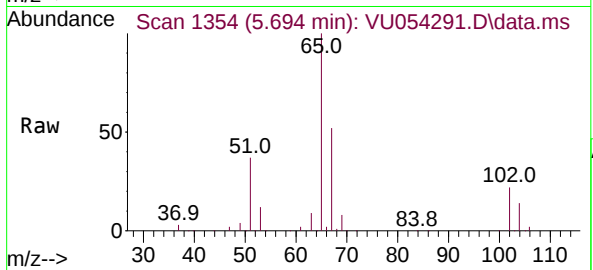




#33
 1,2-Dichloroethane-d4
 Concen: 49.427 ug/l
 RT: 5.694 min Scan# 1354
 Delta R.T. -0.000 min
 Lab File: VU054291.D
 Acq: 26 May 2023 17:24

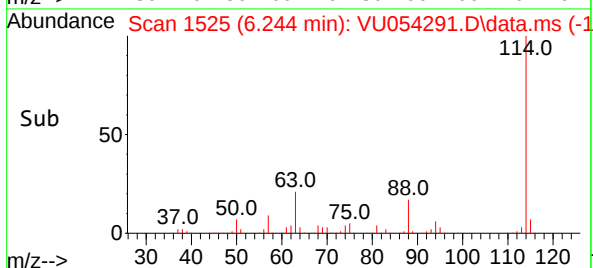
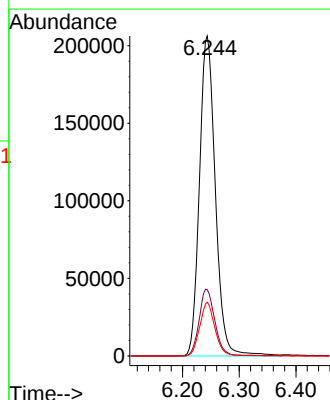
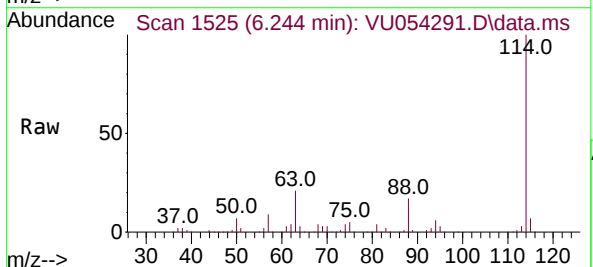
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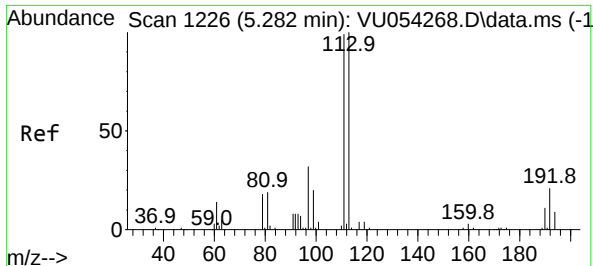
Tgt Ion: 65 Resp: 163782
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.244 min Scan# 1525
 Delta R.T. 0.001 min
 Lab File: VU054291.D
 Acq: 26 May 2023 17:24

Tgt Ion: 114 Resp: 402059
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.8
 88 16.8 0.0 29.2

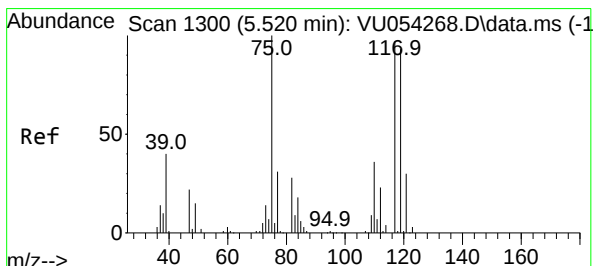
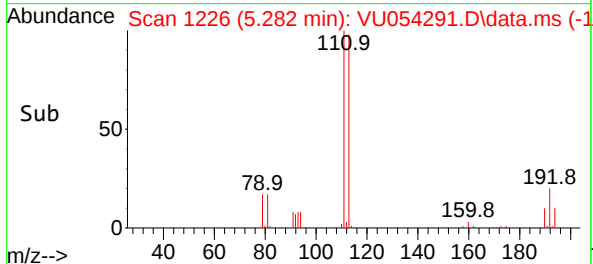
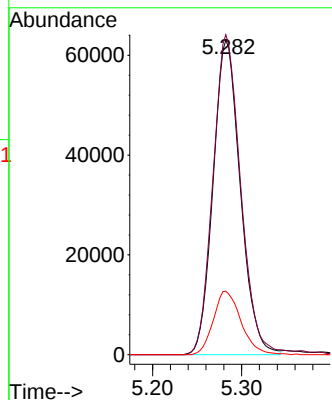
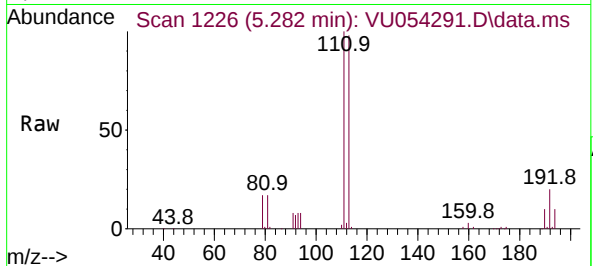




#35
Dibromofluoromethane
Concen: 51.556 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

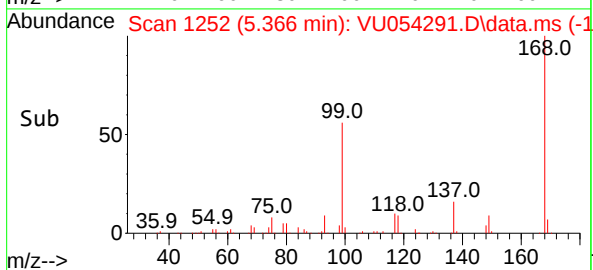
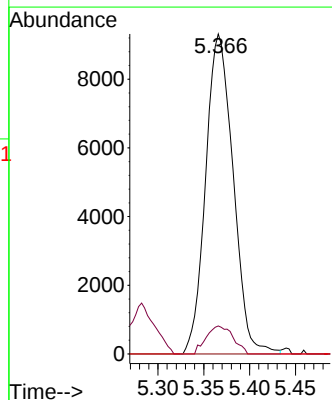
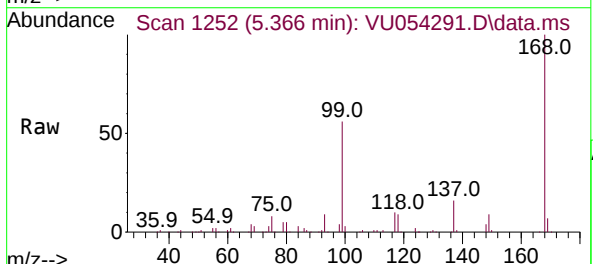
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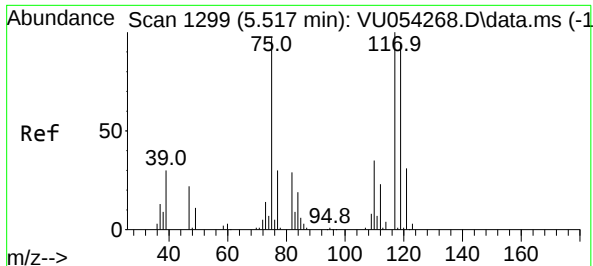
Tgt Ion:113 Resp: 133486
Ion Ratio Lower Upper
113 100
111 103.9 82.1 123.1
192 20.6 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.776 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

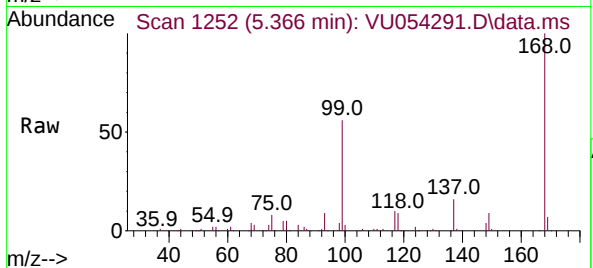
Tgt Ion: 75 Resp: 19424
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 25.1 37.7#



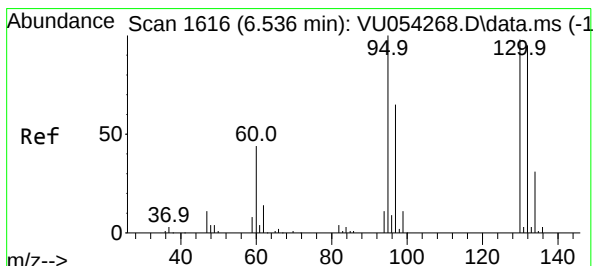
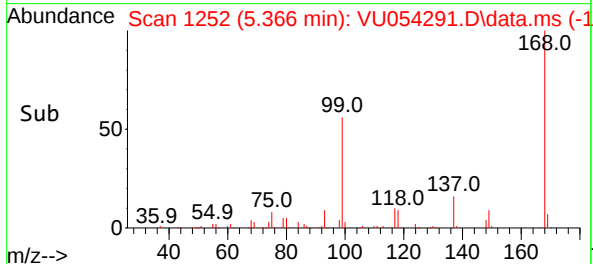
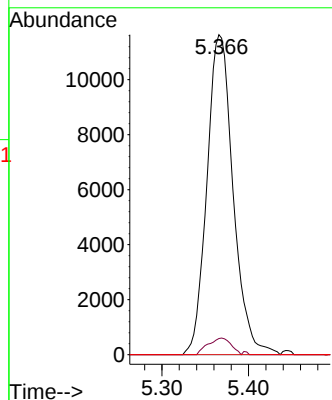


#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :
7BR-20230524

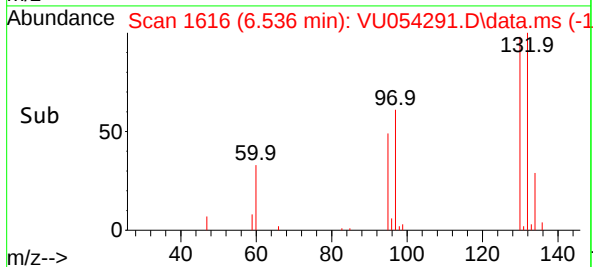
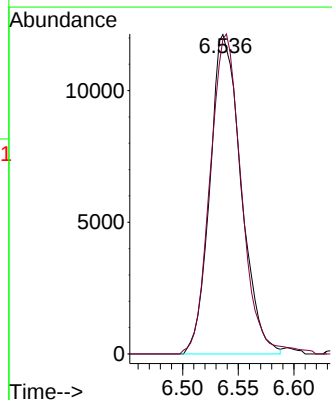
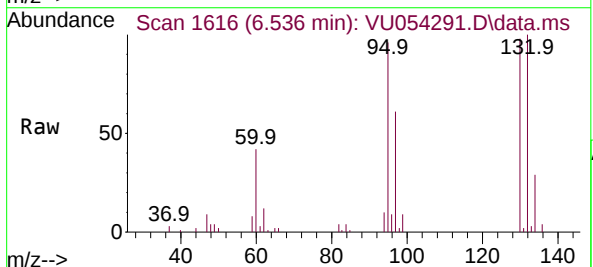


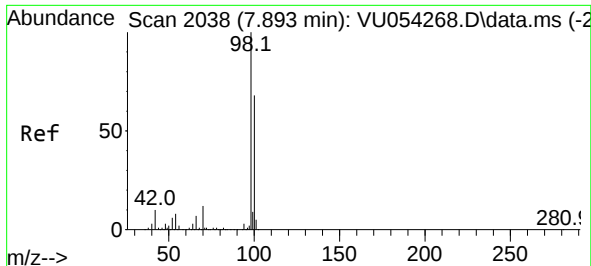
Tgt Ion:117 Resp: 24470
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 7.272 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Tgt Ion:130 Resp: 23581
Ion Ratio Lower Upper
130 100
95 98.6 0.0 184.6

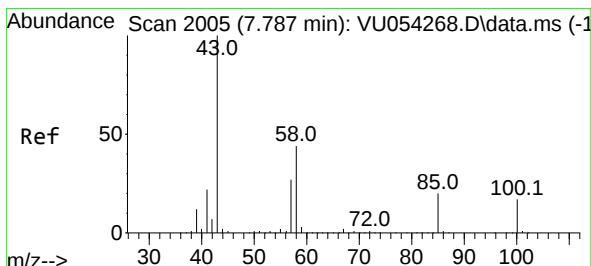
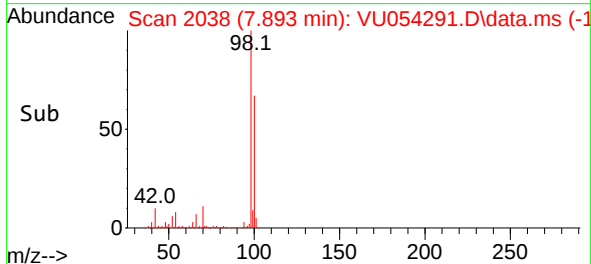
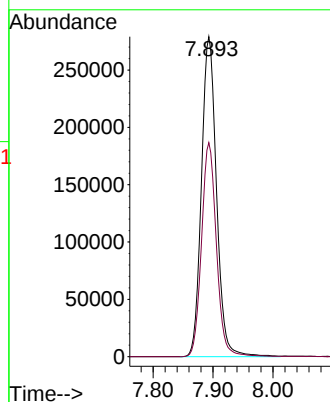
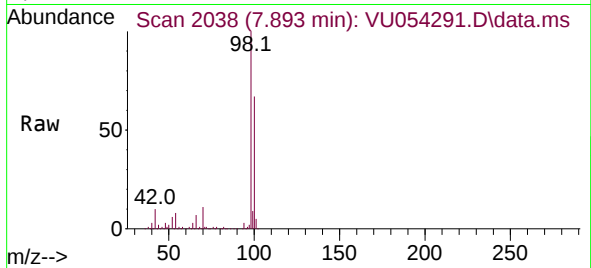




#50
Toluene-d8
Concen: 49.674 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

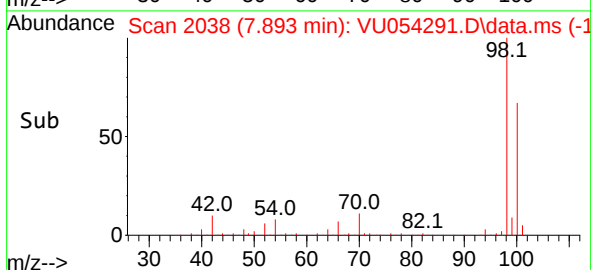
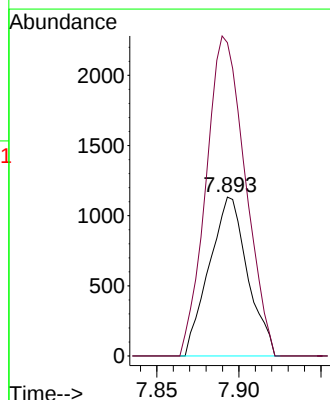
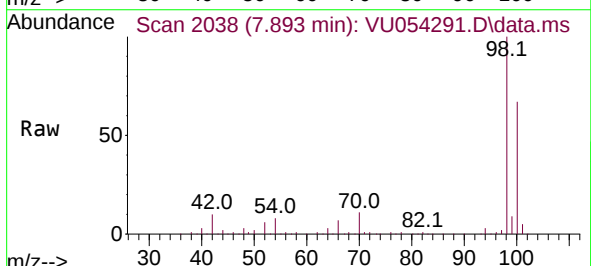
Instrument :
MSVOA_U
ClientSampleId :
7BR-20230524

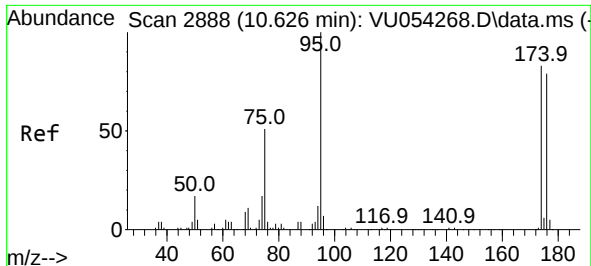
Tgt Ion: 98 Resp: 489210
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.403 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. 0.106 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 205.4 34.7 52.1#

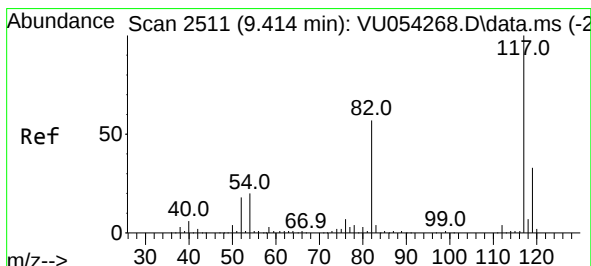
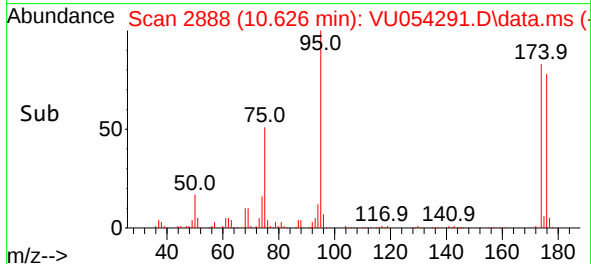
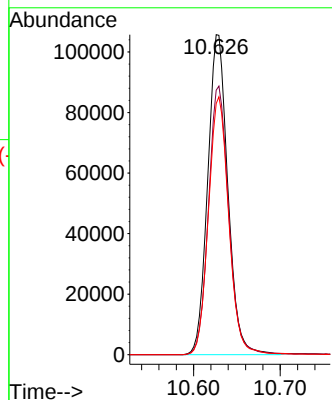
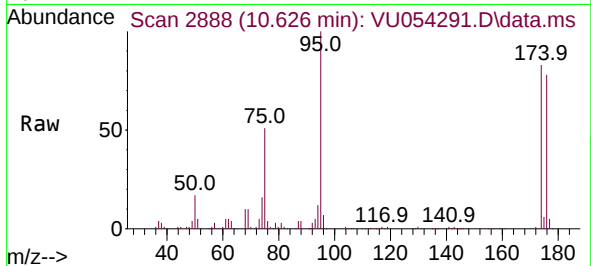




#62
4-Bromofluorobenzene
Concen: 44.738 ug/l
RT: 10.626 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

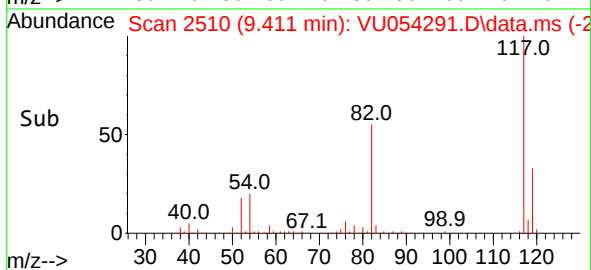
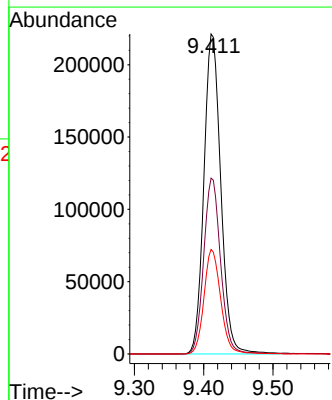
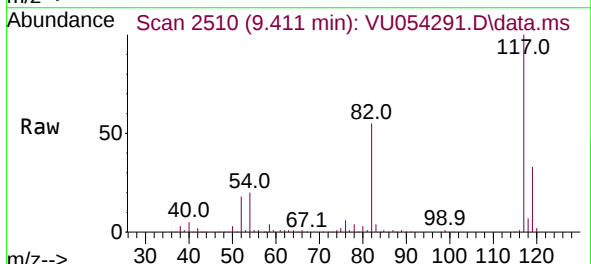
Instrument :
MSVOA_U
ClientSampleId :
7BR-20230524

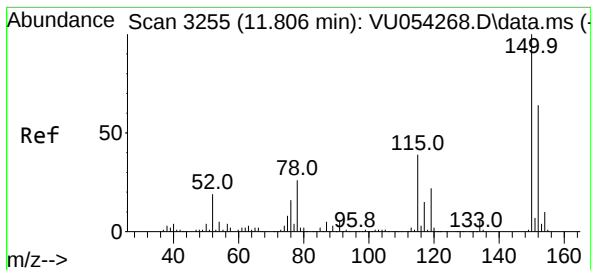
Tgt Ion: 95 Resp: 170840
Ion Ratio Lower Upper
95 100
174 84.5 0.0 182.0
176 81.5 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2510
Delta R.T. -0.003 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Tgt Ion: 117 Resp: 375015
Ion Ratio Lower Upper
117 100
82 54.9 41.7 62.5
119 32.7 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: VU054291.D

Acq: 26 May 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

7BR-20230524

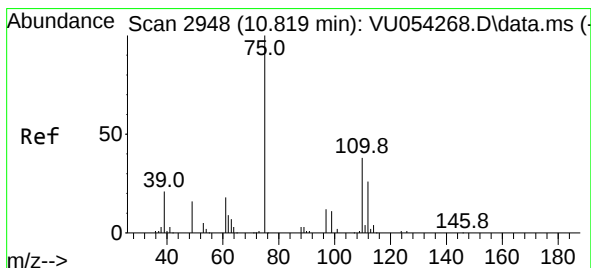
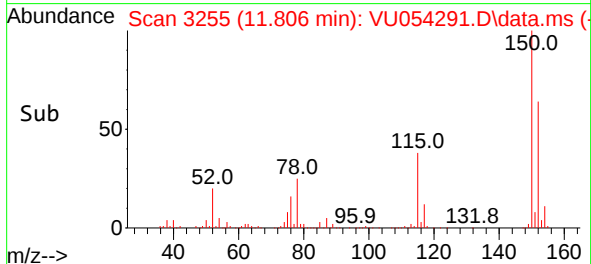
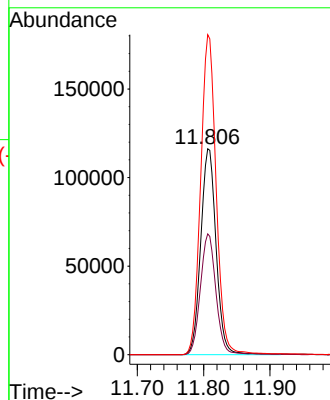
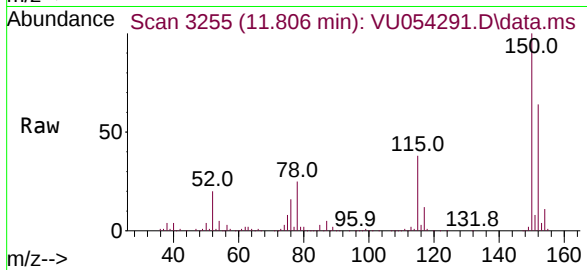
Tgt Ion:152 Resp: 187348

Ion Ratio Lower Upper

152 100

115 58.8 37.0 110.9

150 156.2 0.0 342.2



#76

1,2,3-Trichloropropane

Concen: 15.797 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.193 min

Lab File: VU054291.D

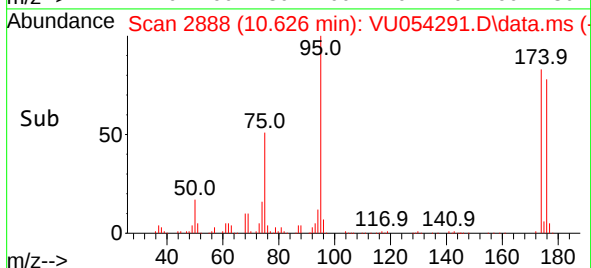
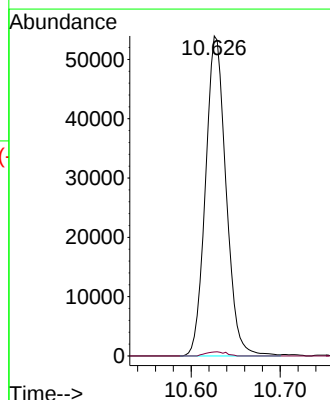
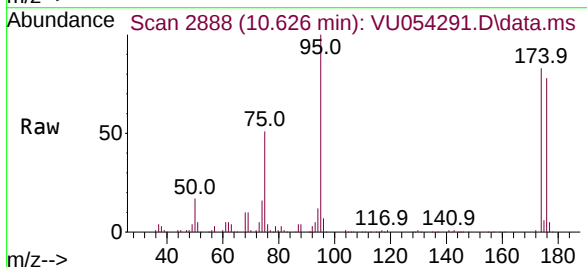
Acq: 26 May 2023 17:24

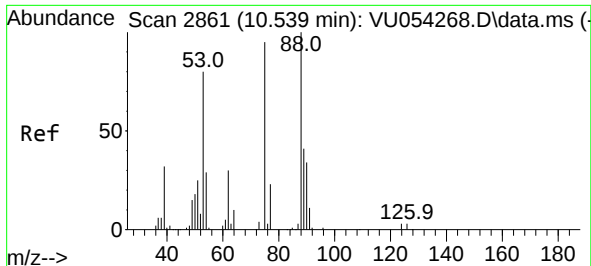
Tgt Ion: 75 Resp: 86378

Ion Ratio Lower Upper

75 100

77 1.3 15.8 47.3#

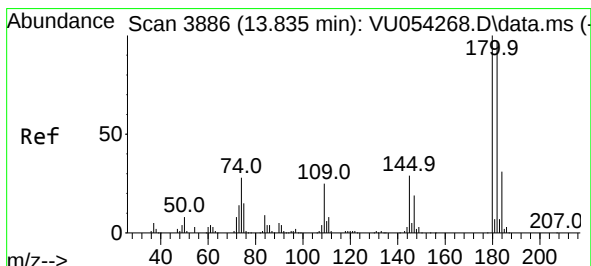
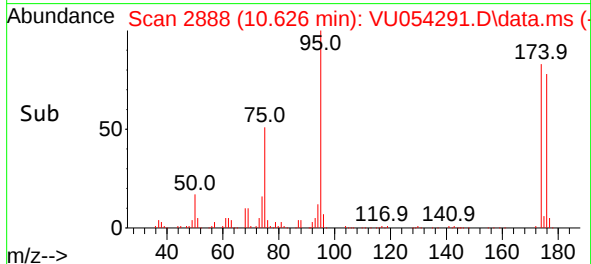
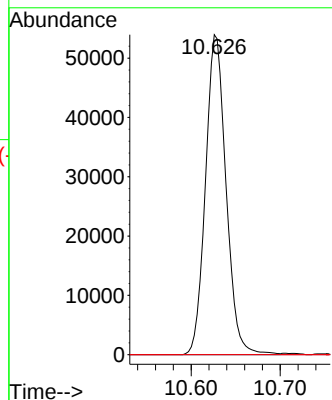
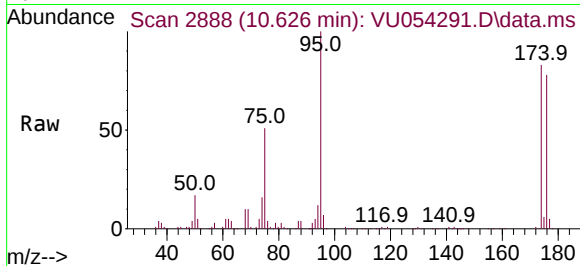




#81
trans-1,4-Dichloro-2-butene
Concen: 60.155 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

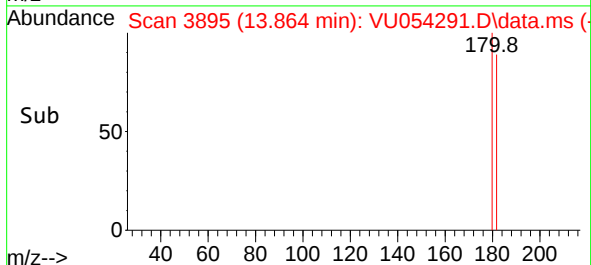
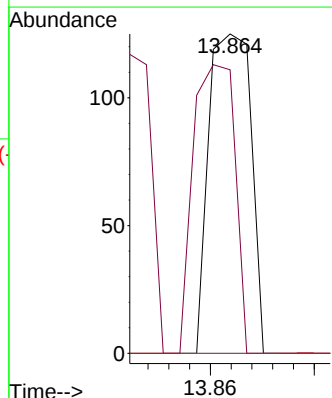
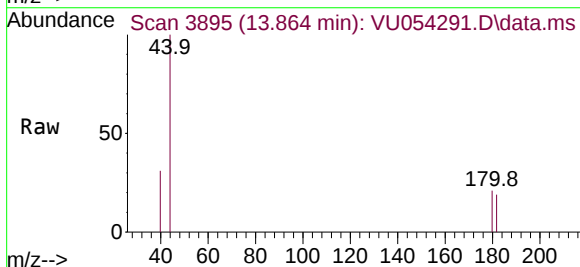
Instrument :
MSVOA_U
ClientSampleId :
7BR-20230524

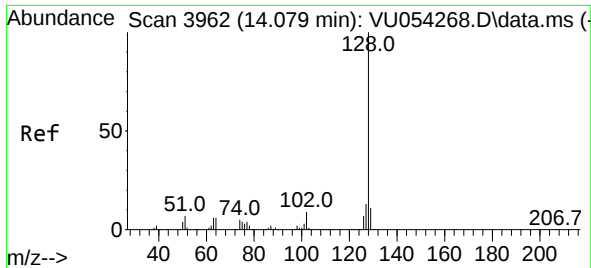
Tgt Ion: 75 Resp: 86378
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.659 ug/l
RT: 13.864 min Scan# 3895
Delta R.T. 0.029 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

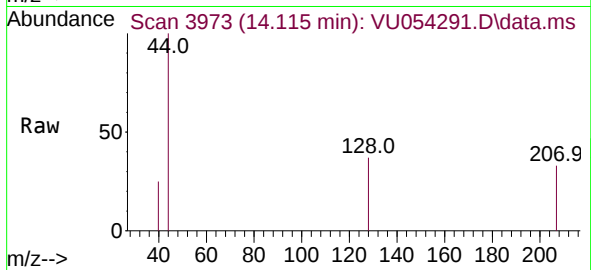
Tgt Ion:180 Resp: 70
Ion Ratio Lower Upper
180 100
182 90.0 47.9 143.6
145 0.0 14.0 41.9#





#95
Naphthalene
Concen: 2.011 ug/l
RT: 14.115 min Scan# 3962
Delta R.T. 0.036 min
Lab File: VU054291.D
Acq: 26 May 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :
7BR-20230524



Tgt Ion:128 Resp: 287
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

