

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054339.D
 Acq On : 31 May 2023 15:49
 Operator : JC/MD
 Sample : 02936-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 91BR-20230523

Quant Time: Jun 01 05:22:02 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)

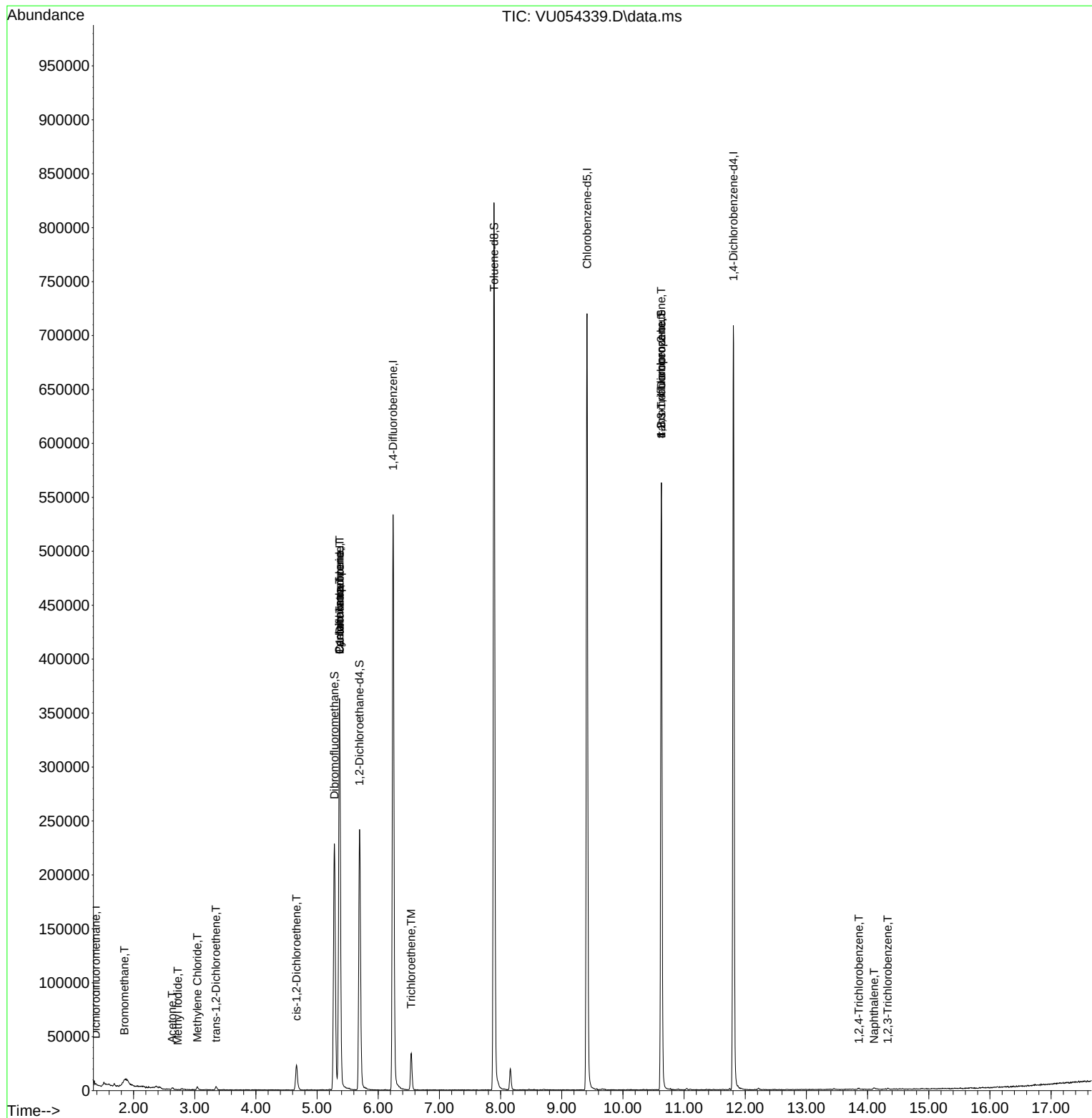
Internal Standards						
1) Pentafluorobenzene	5.369	168	268287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	454658	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	417202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	193146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	182099	51.777	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.560%	
35) Dibromofluoromethane	5.282	113	151100	51.607	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.220%	
50) Toluene-d8	7.893	98	554523	49.792	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.580%	
62) 4-Bromofluorobenzene	10.629	95	187952	43.525	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.060%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	929	0.310	ug/l	98
5) Bromomethane	1.851	94	585	0.282	ug/l #	59
10) Methyl Iodide	2.723	142	125	2.367	ug/l #	43
16) Acetone	2.629	43	1767	0.877	ug/l	98
20) Methylene Chloride	3.041	84	1391	0.382	ug/l	95
21) trans-1,2-Dichloroethene	3.346	96	1520	0.492	ug/l	97
27) cis-1,2-Dichloroethene	4.665	96	12794	3.722	ug/l	95
31) Cyclohexane	5.366	56	4988	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	20585	4.476	ug/l #	48
38) Carbon Tetrachloride	5.369	117	25657	5.451	ug/l #	16
44) Trichloroethene	6.539	130	12290	3.352	ug/l	97
76) 1,2,3-Trichloropropane	10.629	75	94668	16.794	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	94668	63.949	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.857	180	647	1.784	ug/l	88
95) Naphthalene	14.108	128	1984	2.125	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.330	180	490	1.363	ug/l #	61

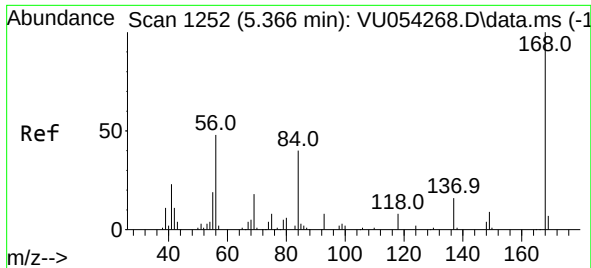
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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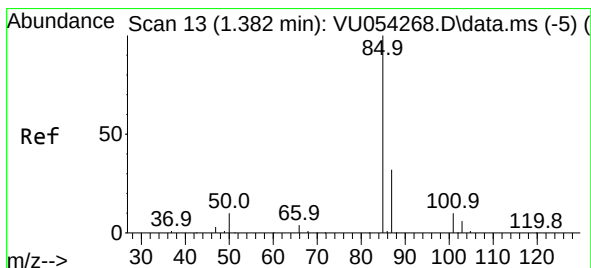
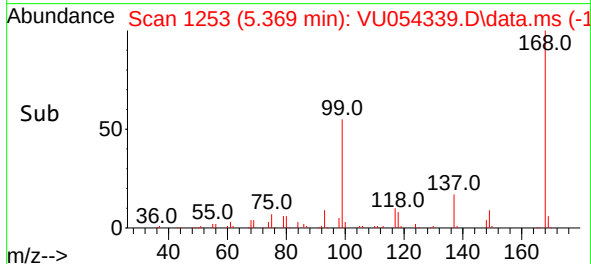
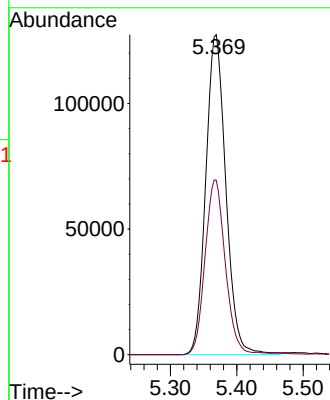
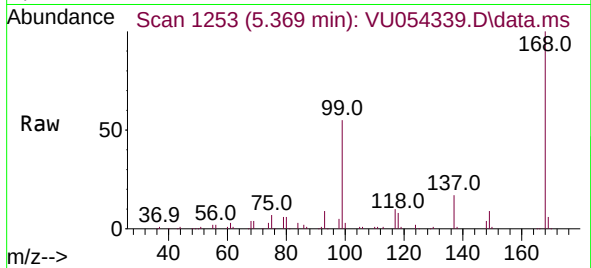




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

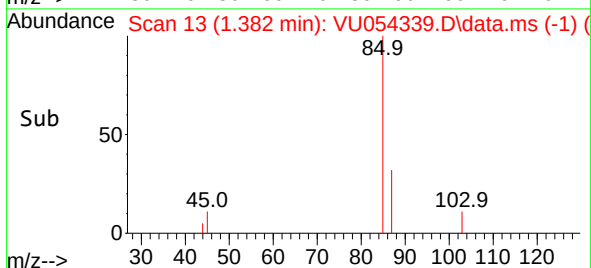
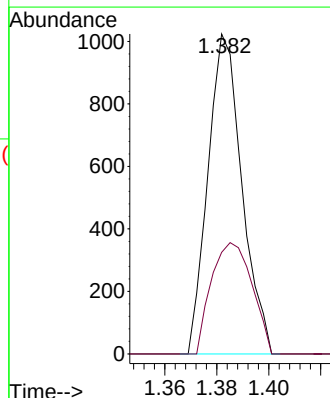
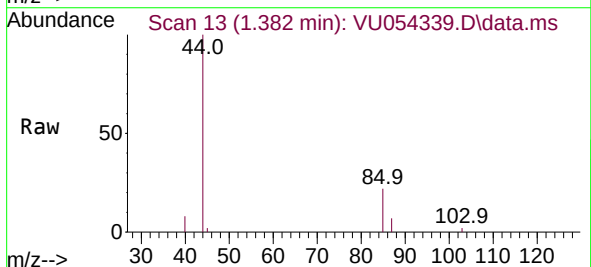
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

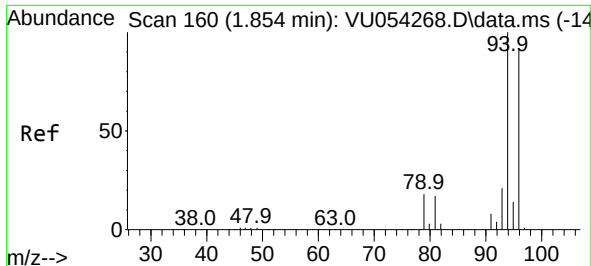
Tgt Ion:168 Resp: 268287
Ion Ratio Lower Upper
168 100
99 54.5 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.310 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion: 85 Resp: 929
Ion Ratio Lower Upper
85 100
87 31.7 16.4 49.2

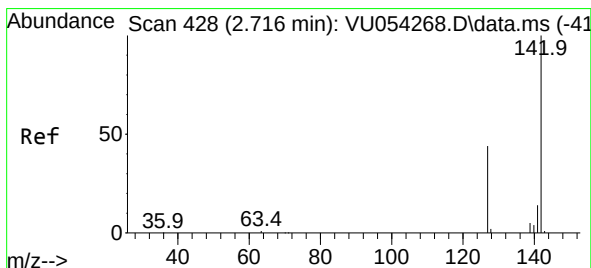
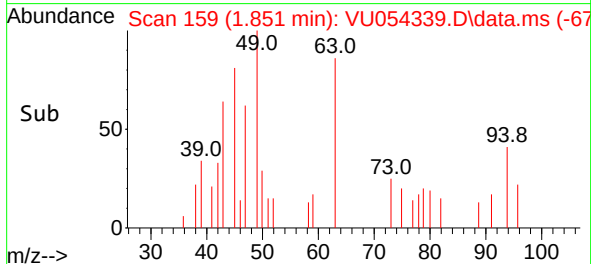
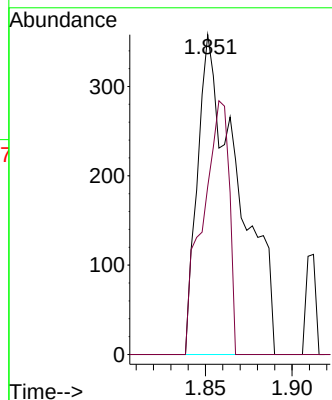
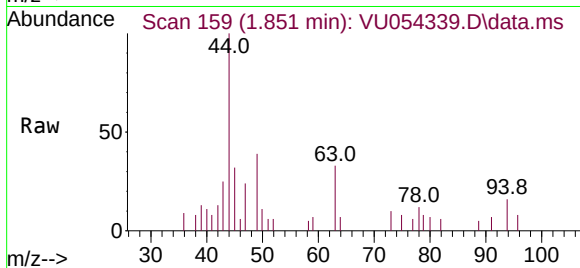




#5
Bromomethane
Concen: 0.282 ug/l
RT: 1.851 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

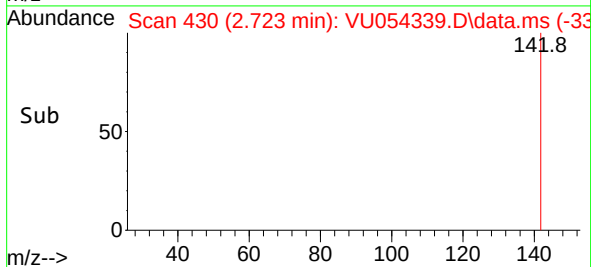
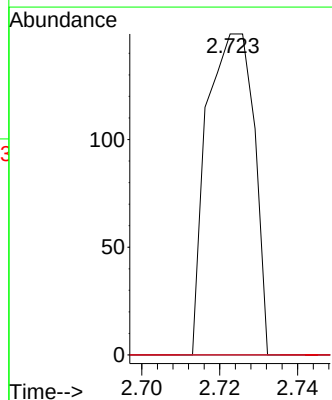
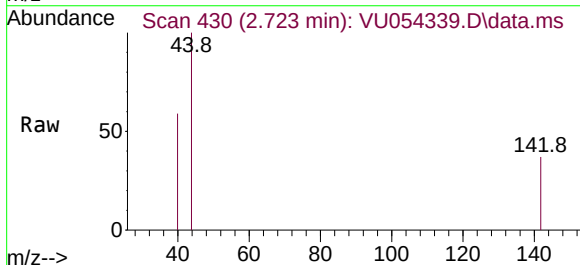
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

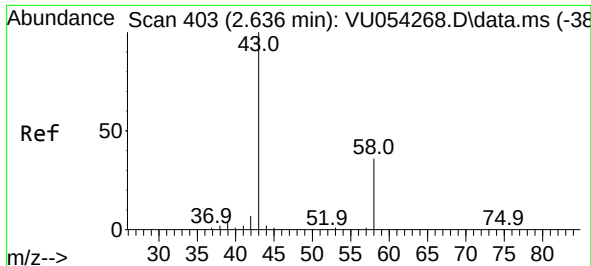
Tgt Ion: 94 Resp: 585
Ion Ratio Lower Upper
94 100
96 52.5 73.7 110.5#



#10
Methyl Iodide
Concen: 2.367 ug/l
RT: 2.723 min Scan# 430
Delta R.T. 0.007 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion:142 Resp: 125
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

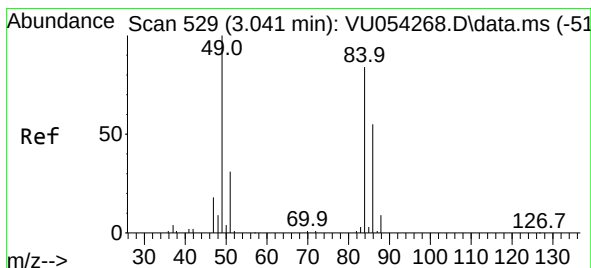
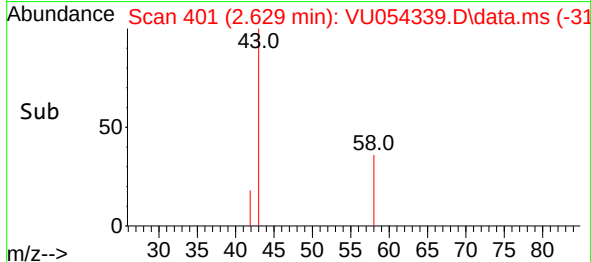
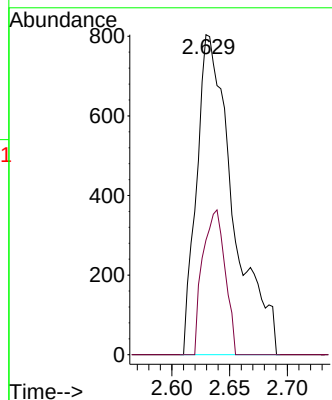
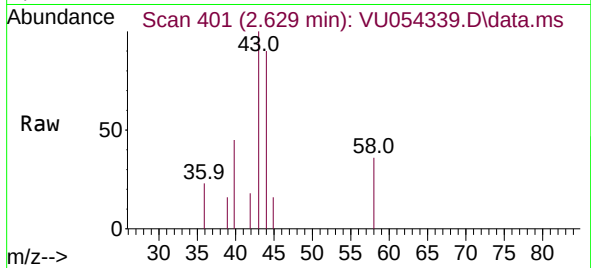




#16
Acetone
Concen: 0.877 ug/l
RT: 2.629 min Scan# 403
Delta R.T. -0.007 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

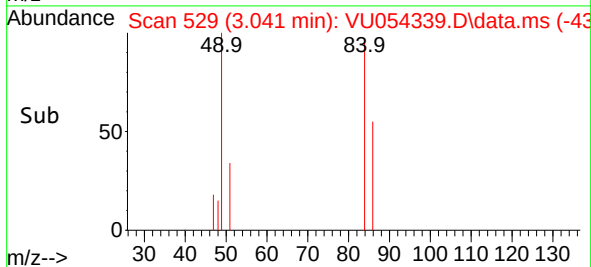
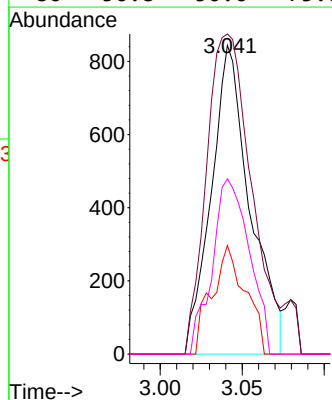
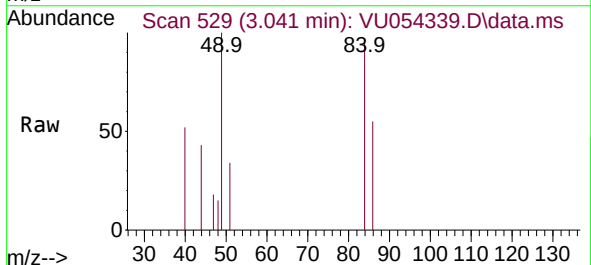
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

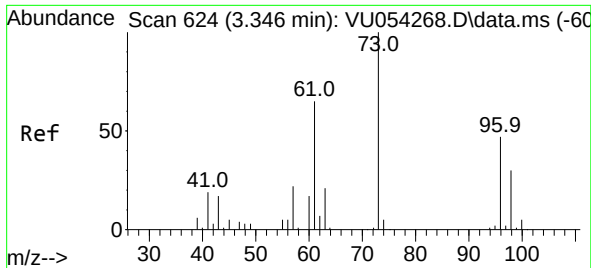
Tgt Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
58 35.8 27.5 41.3



#20
Methylene Chloride
Concen: 0.382 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion: 84 Resp: 1391
Ion Ratio Lower Upper
84 100
49 103.7 86.6 129.8
51 35.2 26.6 40.0
86 56.8 50.6 75.8

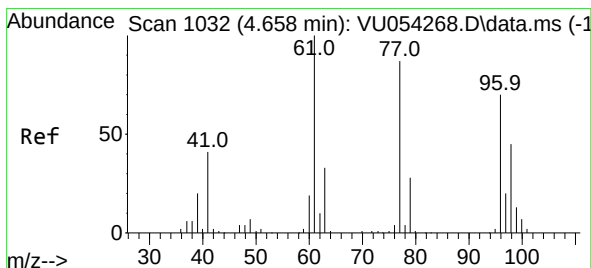
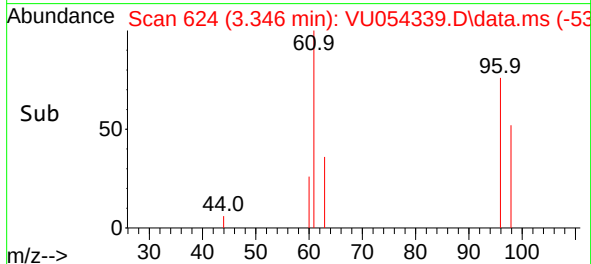
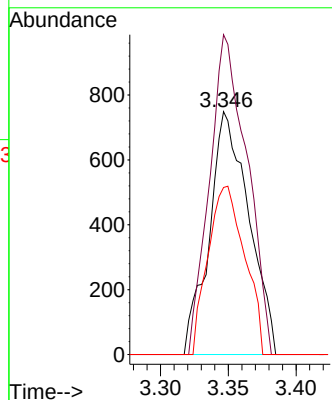
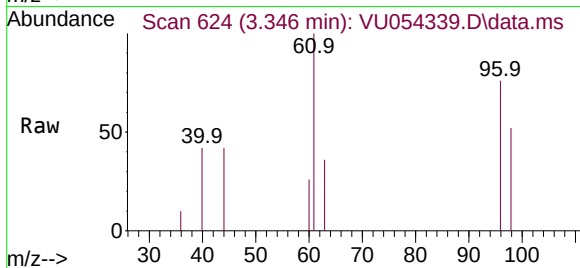




#21
trans-1,2-Dichloroethene
Concen: 0.492 ug/l
RT: 3.346 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

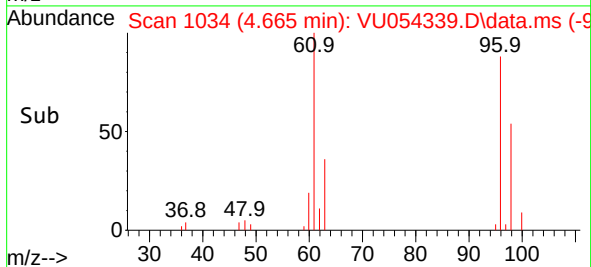
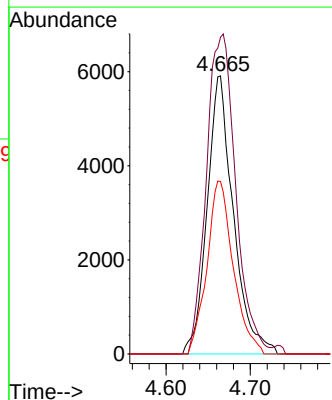
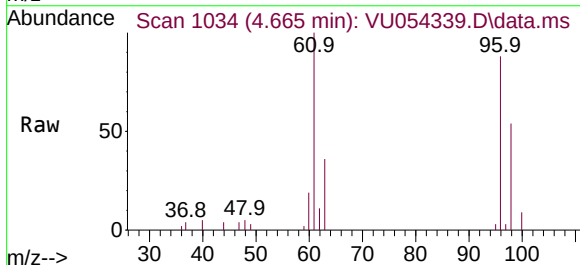
Instrument :
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ClientSampleId :
91BR-20230523

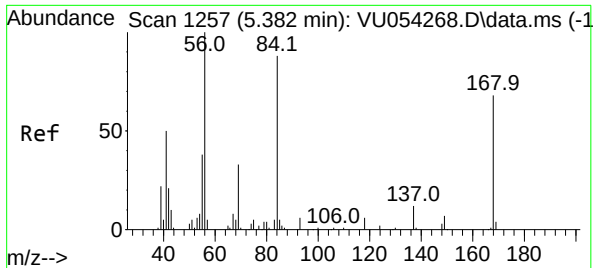
Tgt Ion: 96 Resp: 1520
Ion Ratio Lower Upper
96 100
61 131.6 106.1 159.1
98 68.8 50.8 76.2



#27
cis-1,2-Dichloroethene
Concen: 3.722 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. 0.007 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion: 96 Resp: 12794
Ion Ratio Lower Upper
96 100
61 128.5 0.0 271.6
98 62.4 0.0 128.2

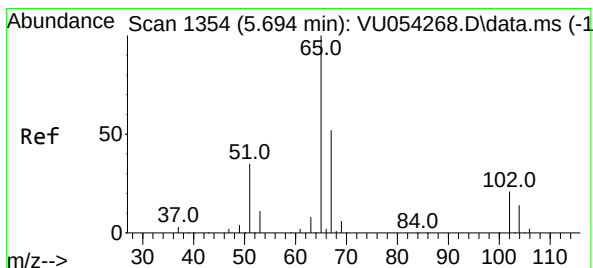
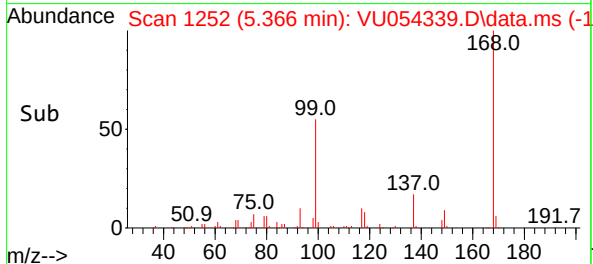
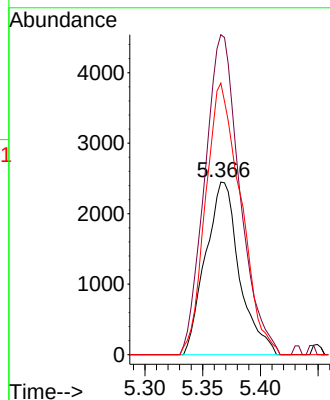
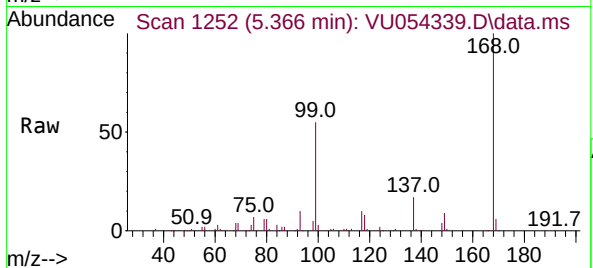




#31
Cyclohexane
Concen: 1.004 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

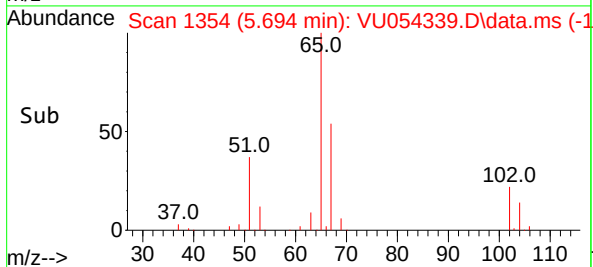
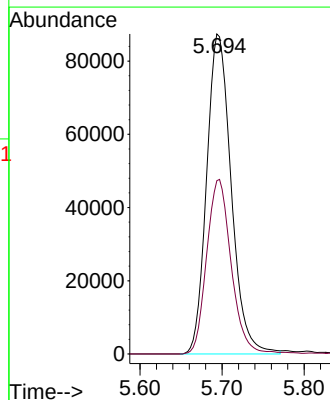
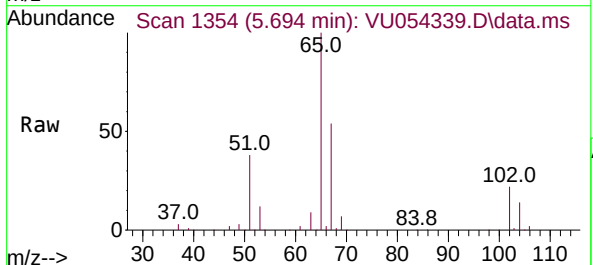
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

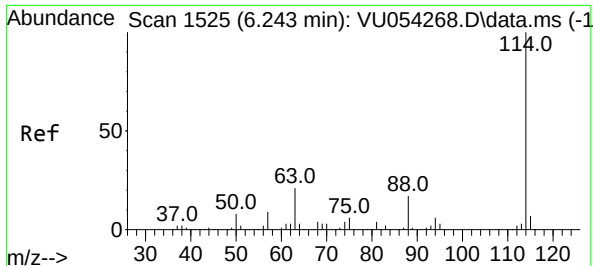
Tgt Ion: 56 Resp: 4988
Ion Ratio Lower Upper
56 100
69 185.3 27.8 41.8#
84 162.3 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 51.777 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion: 65 Resp: 182099
Ion Ratio Lower Upper
65 100
67 54.5 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: VU054339.D

Acq: 31 May 2023 15:49

Instrument :

MSVOA_U

ClientSampleId :

91BR-20230523

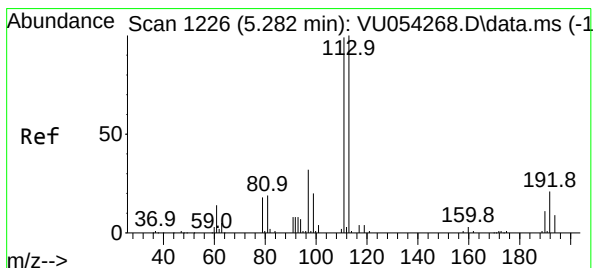
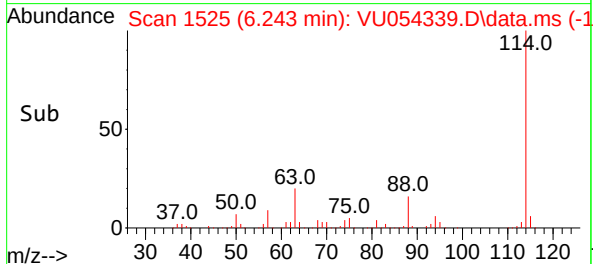
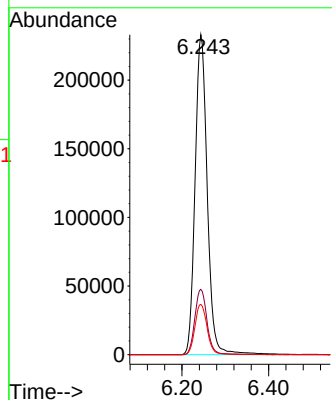
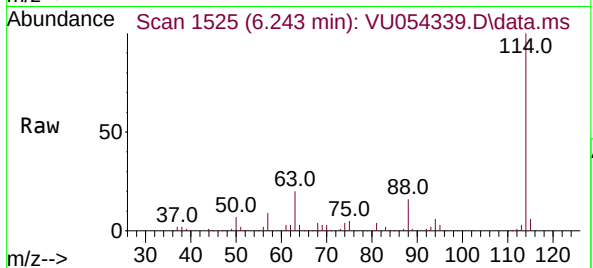
Tgt Ion:114 Resp: 454658

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.8

88 15.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 51.607 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054339.D

Acq: 31 May 2023 15:49

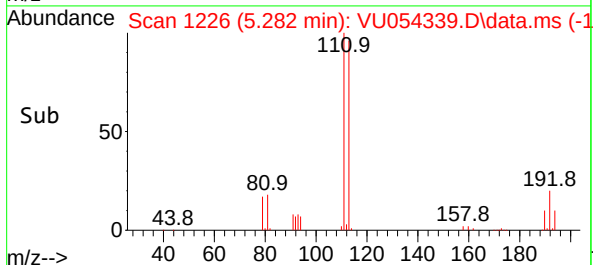
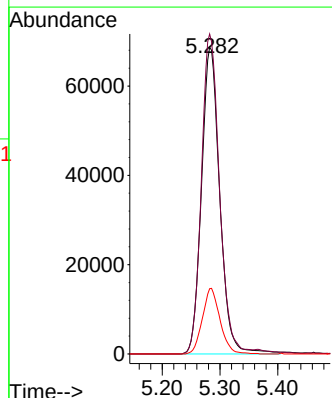
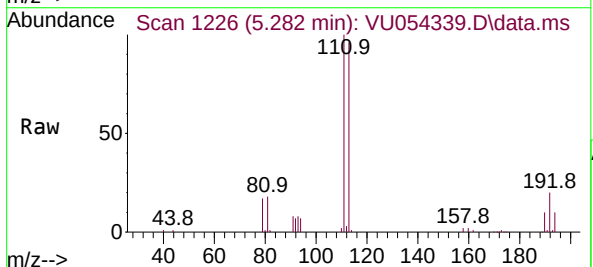
Tgt Ion:113 Resp: 151100

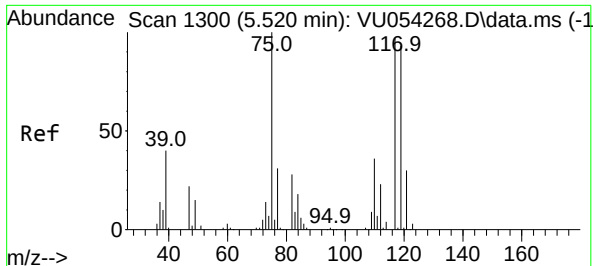
Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 20.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.476 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU054339.D

Acq: 31 May 2023 15:49

Instrument :

MSVOA_U

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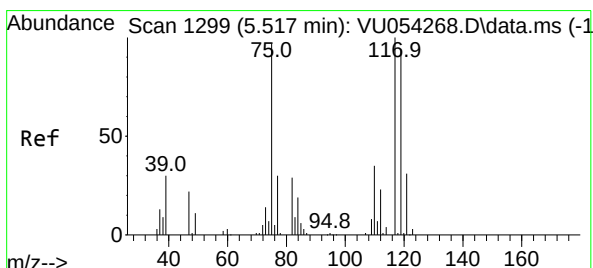
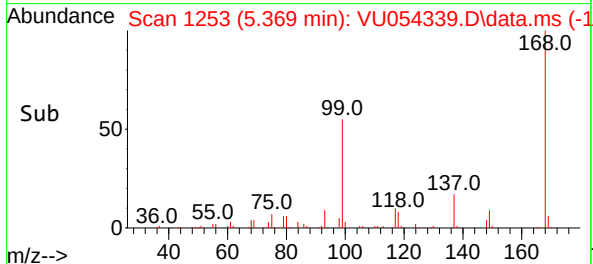
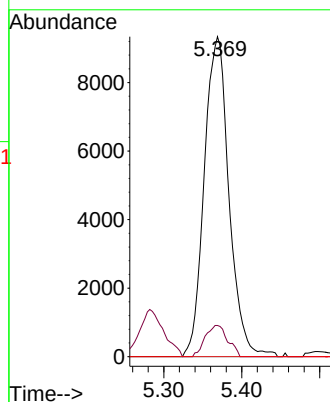
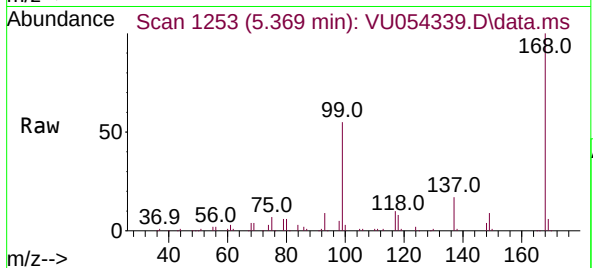
Tgt Ion: 75 Resp: 20585

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.451 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.148 min

Lab File: VU054339.D

Acq: 31 May 2023 15:49

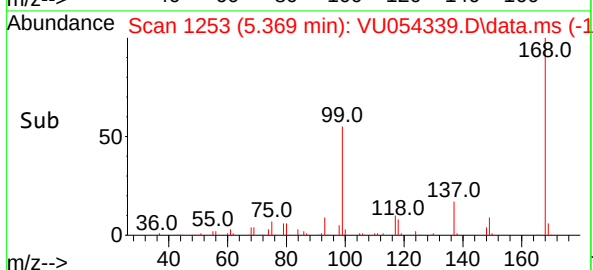
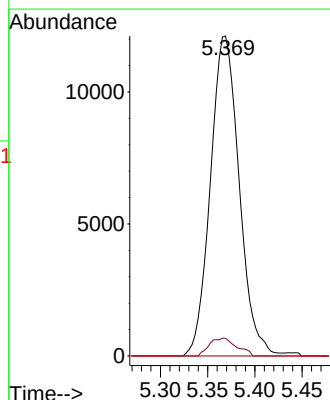
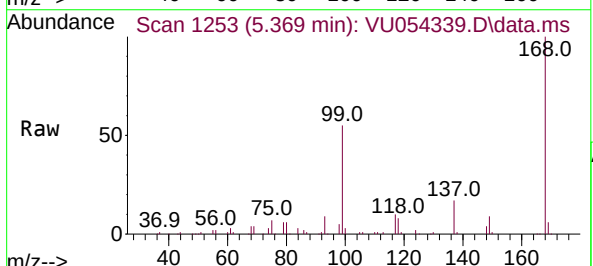
Tgt Ion: 117 Resp: 25657

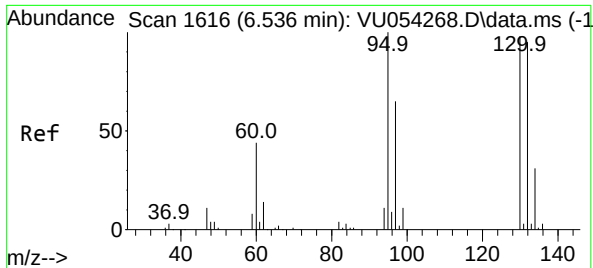
Ion Ratio Lower Upper

117 100

119 5.6 76.8 115.2#

121 0.0 24.7 37.1#

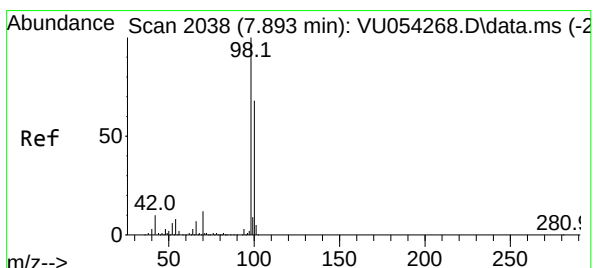
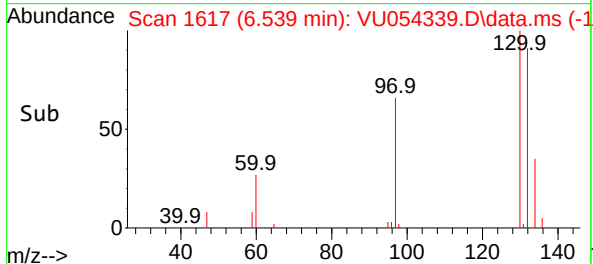
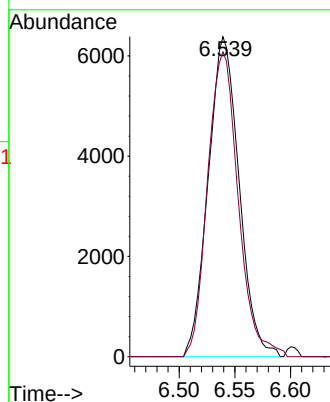
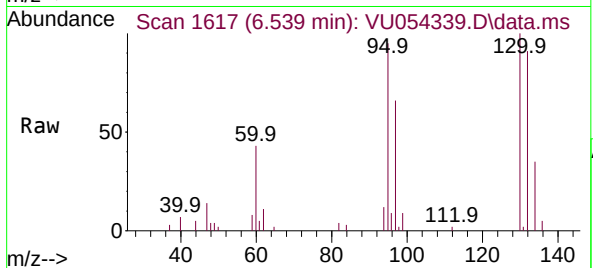




#44
 Trichloroethene
 Concen: 3.352 ug/l
 RT: 6.539 min Scan# 1
 Delta R.T. 0.003 min
 Lab File: VU054339.D
 Acq: 31 May 2023 15:49

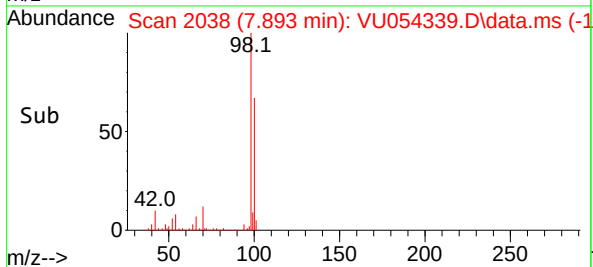
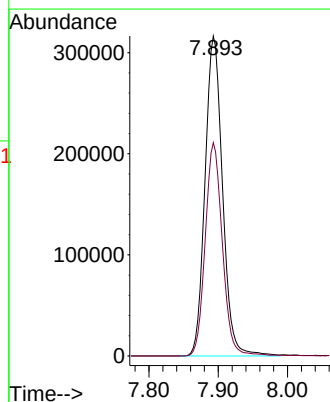
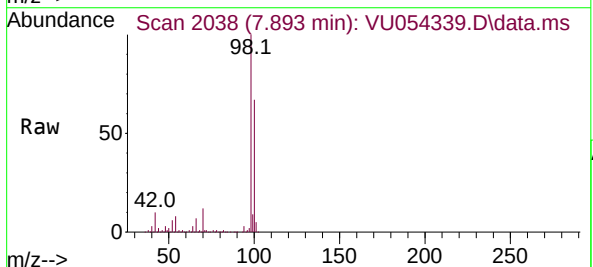
Instrument :
 MSVOA_U
 ClientSampleId :
 91BR-20230523

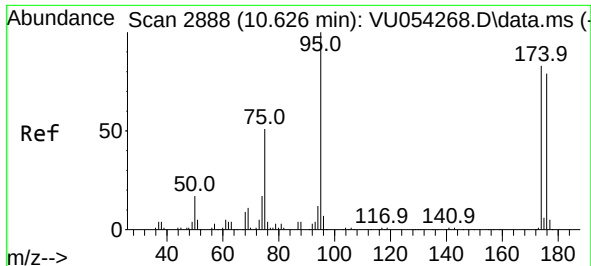
Tgt Ion:130 Resp: 12290
 Ion Ratio Lower Upper
 130 100
 95 95.2 0.0 184.6



#50
 Toluene-d8
 Concen: 49.792 ug/l
 RT: 7.893 min Scan# 2038
 Delta R.T. -0.000 min
 Lab File: VU054339.D
 Acq: 31 May 2023 15:49

Tgt Ion: 98 Resp: 554523
 Ion Ratio Lower Upper
 98 100
 100 65.3 51.7 77.5

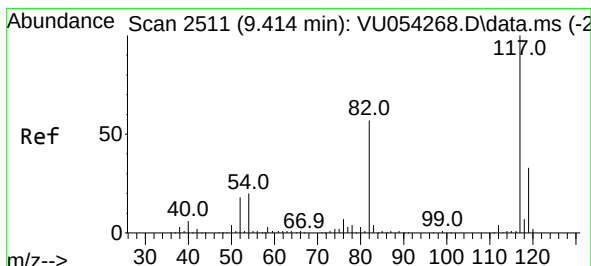
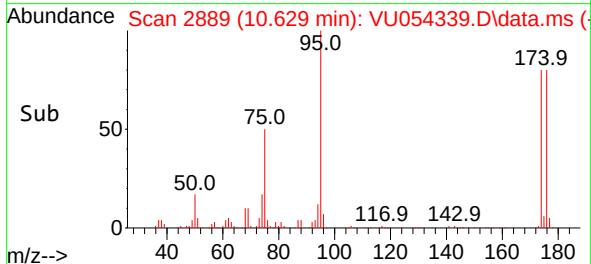
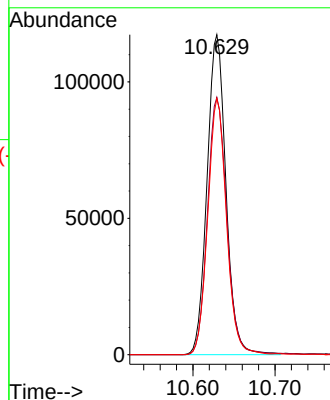
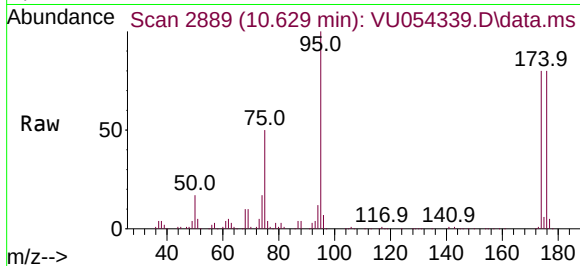




#62
4-Bromofluorobenzene
Concen: 43.525 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

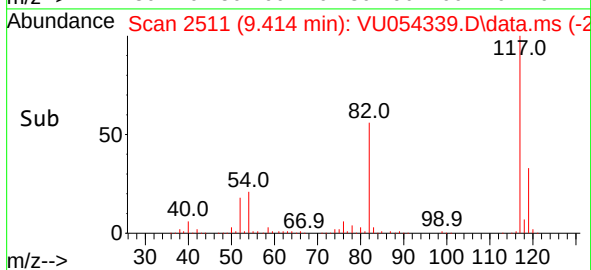
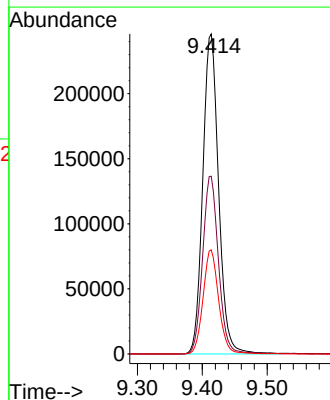
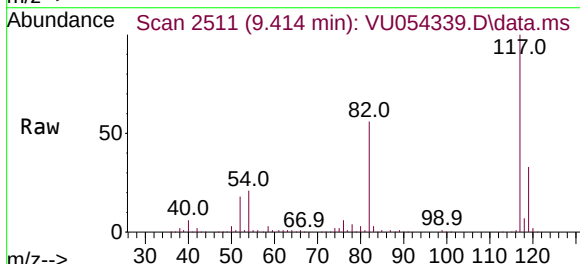
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

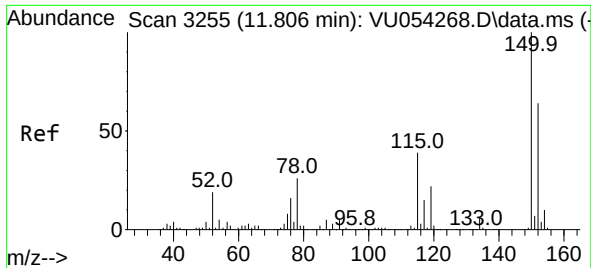
Tgt Ion: 95 Resp: 187952
Ion Ratio Lower Upper
95 100
174 82.7 0.0 182.0
176 79.3 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

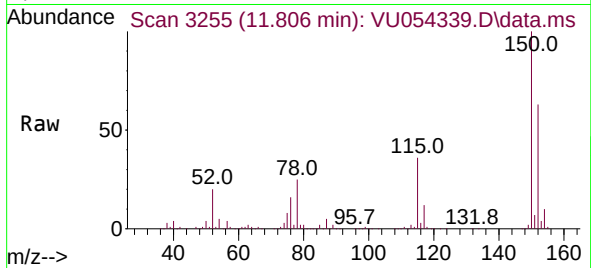
Tgt Ion: 117 Resp: 417202
Ion Ratio Lower Upper
117 100
82 55.6 41.7 62.5
119 32.6 25.7 38.5



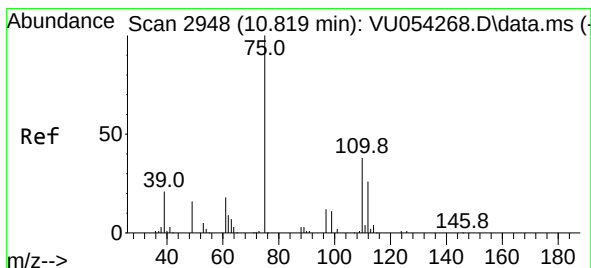
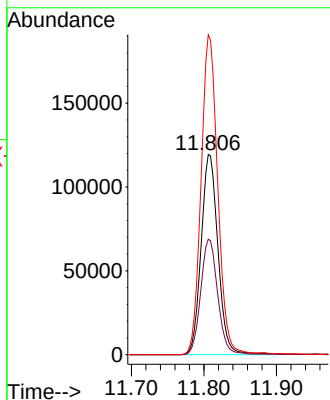
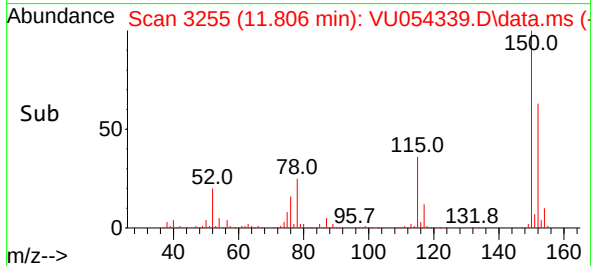


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

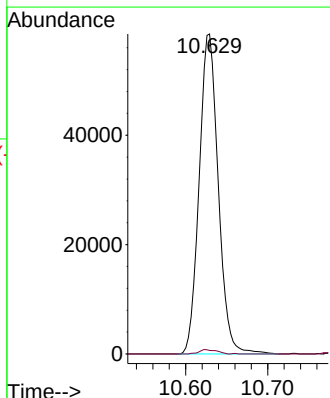
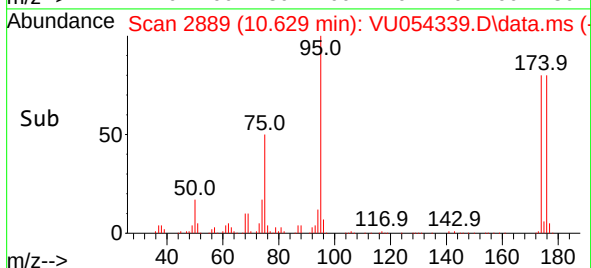
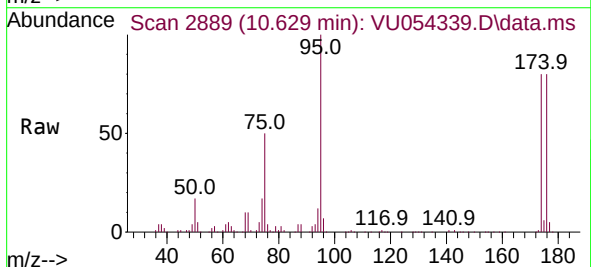


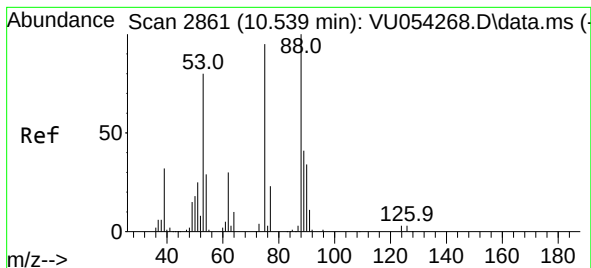
Tgt Ion:152 Resp: 193146
Ion Ratio Lower Upper
152 100
115 58.0 37.0 110.9
150 157.4 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 16.794 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion: 75 Resp: 94668
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#

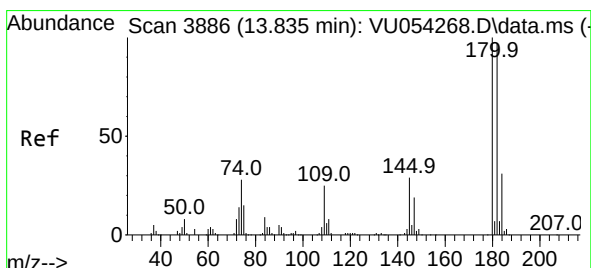
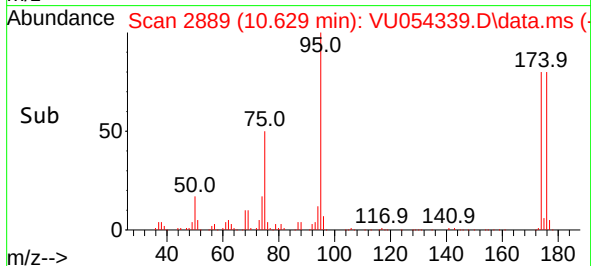
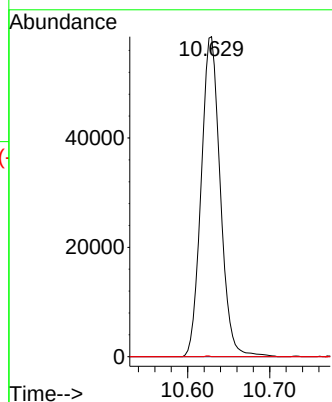
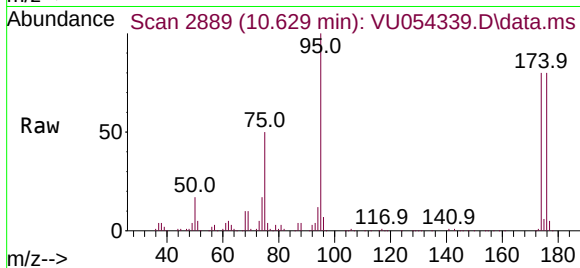




#81
trans-1,4-Dichloro-2-butene
Concen: 63.949 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.090 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

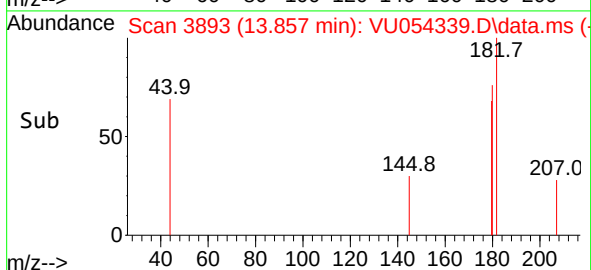
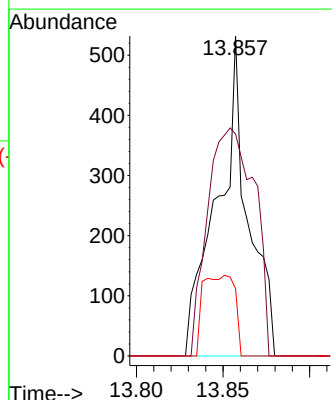
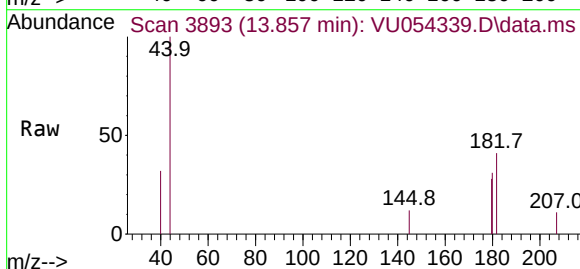
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

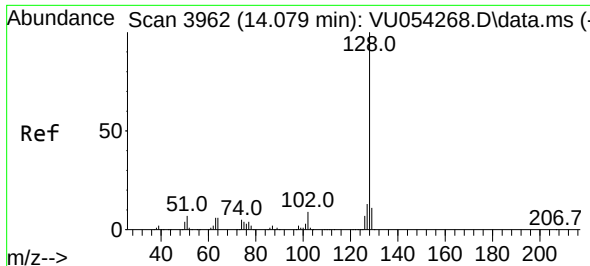
Tgt Ion: 75 Resp: 94668
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.1 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.784 ug/l
RT: 13.857 min Scan# 3893
Delta R.T. 0.022 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion:180 Resp: 647
Ion Ratio Lower Upper
180 100
182 110.0 47.9 143.6
145 26.4 14.0 41.9

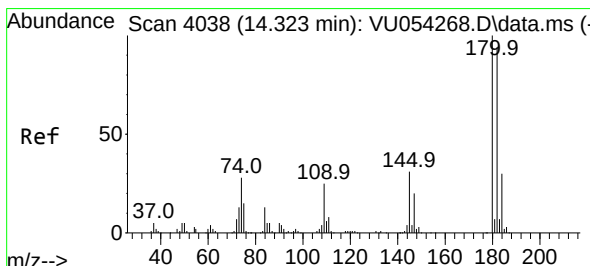
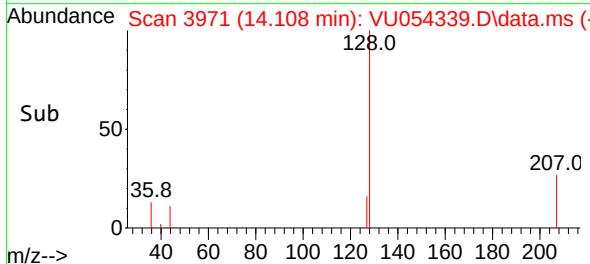
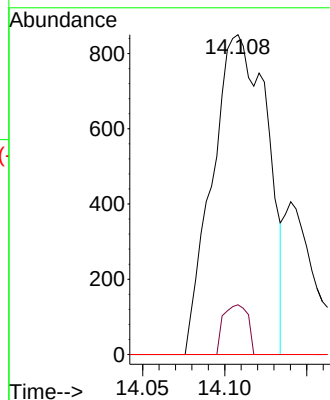
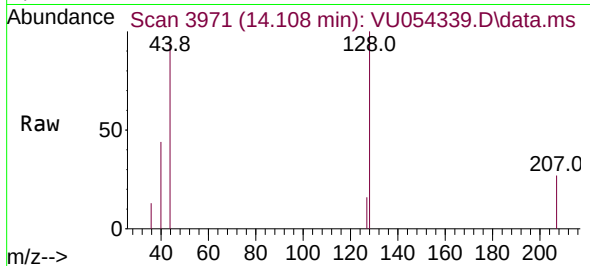




#95
Naphthalene
Concen: 2.125 ug/l
RT: 14.108 min Scan# 3962
Delta R.T. 0.029 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

Tgt Ion:128	Resp:	1984
Ion Ratio	Lower	Upper
128	100	
127	6.9	10.3 15.5#
129	0.0	8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.363 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.007 min
Lab File: VU054339.D
Acq: 31 May 2023 15:49

Tgt Ion:180	Resp:	490
Ion Ratio	Lower	Upper
180	100	
182	58.2	48.4 145.0
145	9.0	14.8 44.4#

