

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054290.D
 Acq On : 26 May 2023 17:01
 Operator : JC/MD
 Sample : 02936-12 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 15BR-20230524

Quant Time: May 30 00:03:47 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

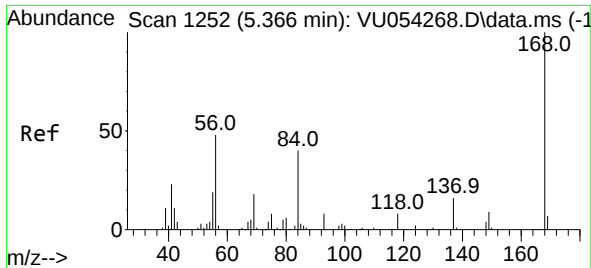
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.369	168	258798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	416522	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	390879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	197088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.693	65	172431	50.826	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.660%	
35) Dibromofluoromethane	5.282	113	142571	53.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.300%	
50) Toluene-d8	7.893	98	515885	50.564	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	10.626	95	183090	46.282	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.560%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	1399	0.484	ug/l	93
4) Vinyl Chloride	1.604	62	14864	4.118	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.575	101	1448	0.539	ug/l #	73
12) 1,1-Dichloroethene	2.575	96	1984	0.713	ug/l	90
16) Acetone	2.629	43	695	0.357	ug/l #	40
20) Methylene Chloride	3.041	84	2211	0.630	ug/l	90
21) trans-1,2-Dichloroethene	3.353	96	2516	0.844	ug/l #	80
27) cis-1,2-Dichloroethene	4.658	96	256031	77.225	ug/l	94
31) Cyclohexane	5.365	56	4727	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.365	75	19322	4.586	ug/l #	49
38) Carbon Tetrachloride	5.365	117	25255	5.857	ug/l #	16
39) Methylcyclohexane	6.533	83	4219	0.884	ug/l #	1
44) Trichloroethene	6.536	130	353396	105.201	ug/l	93
45) 1,2-Dichloropropane	6.536	63	1287	0.411	ug/l #	1
51) 4-Methyl-2-Pentanone	7.896	43	1888	0.399	ug/l #	1
76) 1,2,3-Trichloropropane	10.626	75	90856	15.795	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	90856	60.147	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.867	180	40	1.652	ug/l #	85
95) Naphthalene	14.121	128	762	2.041	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.343	180	50	1.266	ug/l #	1

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

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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

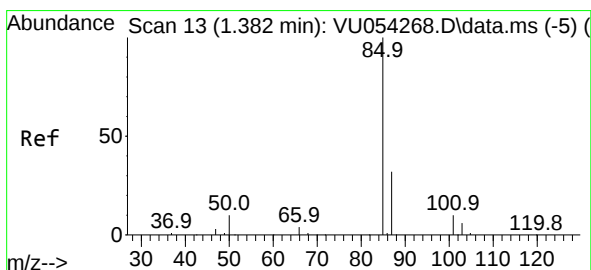
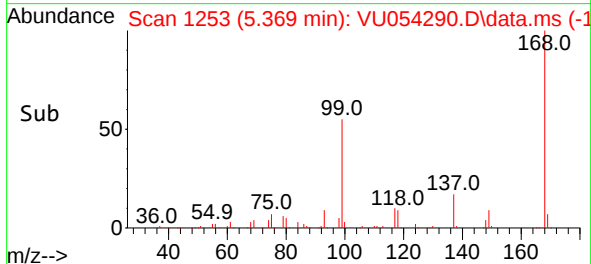
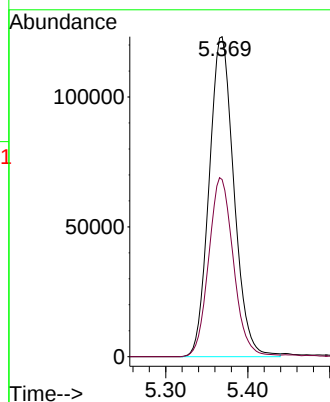
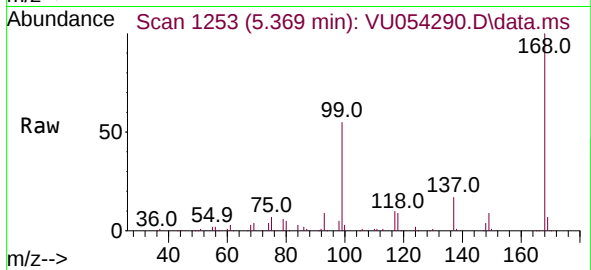




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

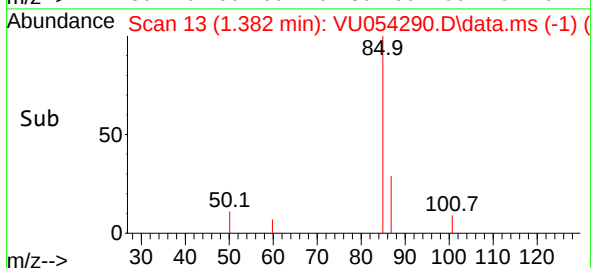
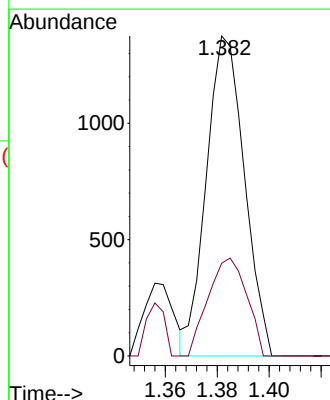
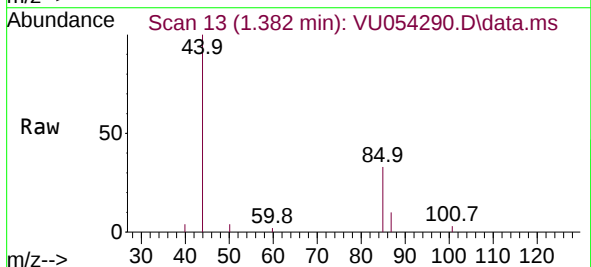
Instrument :
MSVOA_U
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15BR-20230524

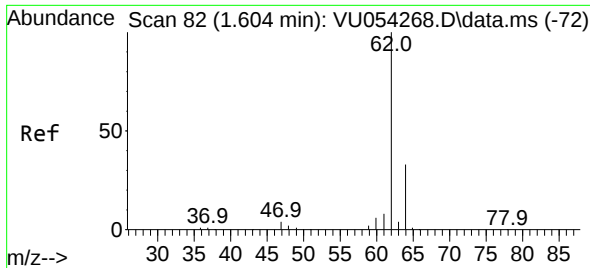
Tgt Ion:168 Resp: 258798
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.484 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 85 Resp: 1399
Ion Ratio Lower Upper
85 100
87 28.9 16.4 49.2

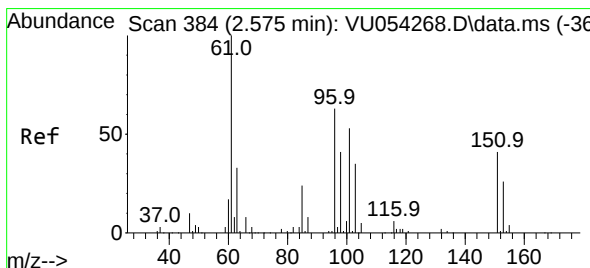
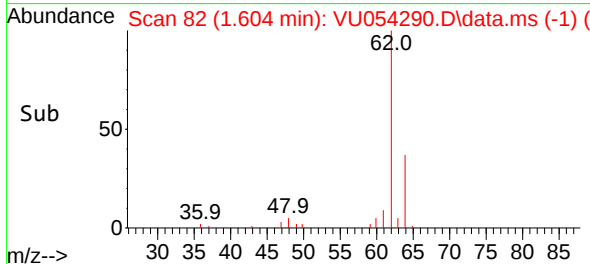
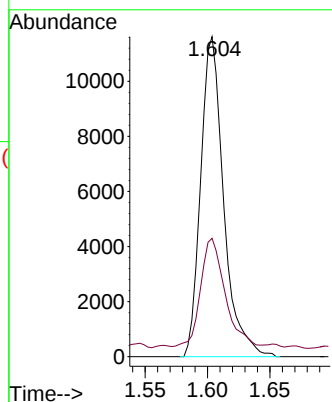
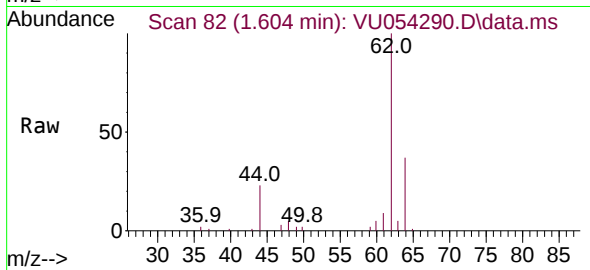




#4
 Vinyl Chloride
 Concen: 4.118 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

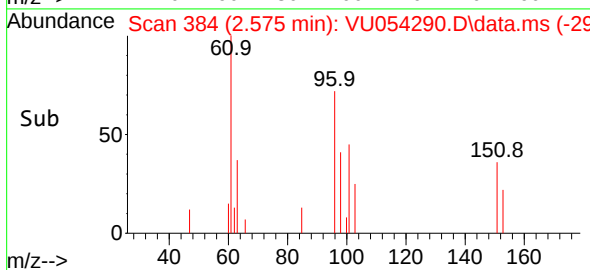
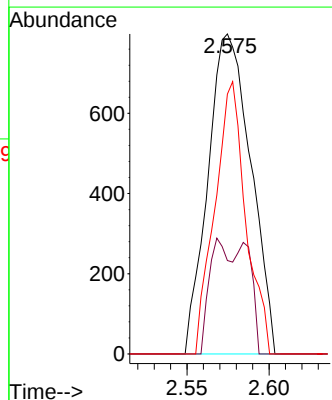
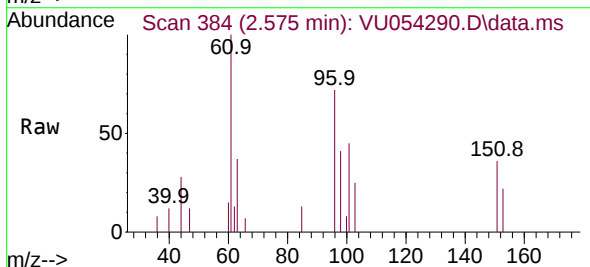
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 ClientSampleId :
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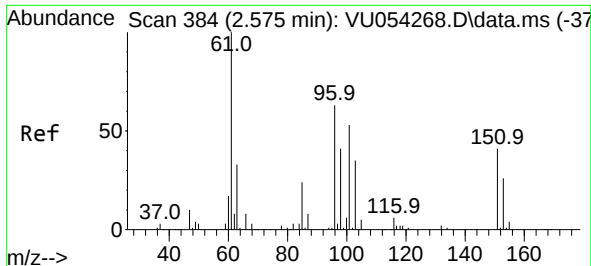
Tgt Ion: 62 Resp: 14864
 Ion Ratio Lower Upper
 62 100
 64 33.7 25.3 37.9



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.539 ug/l
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

Tgt Ion: 101 Resp: 1448
 Ion Ratio Lower Upper
 101 100
 85 18.5 33.9 50.9#
 151 61.5 64.0 96.0#

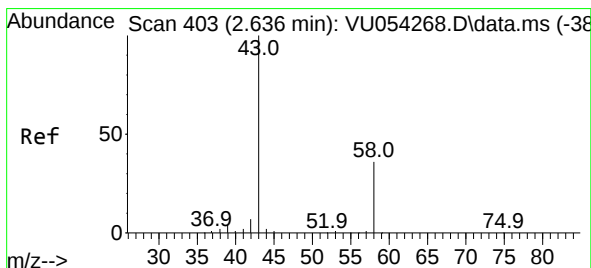
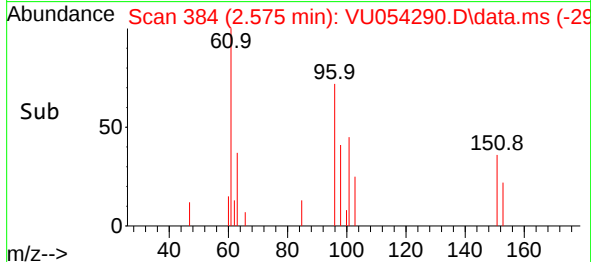
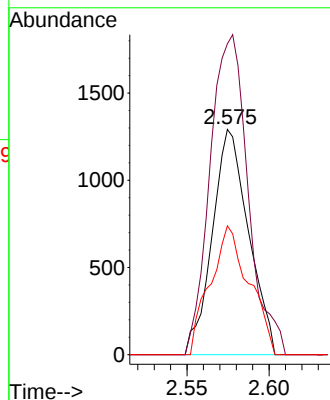
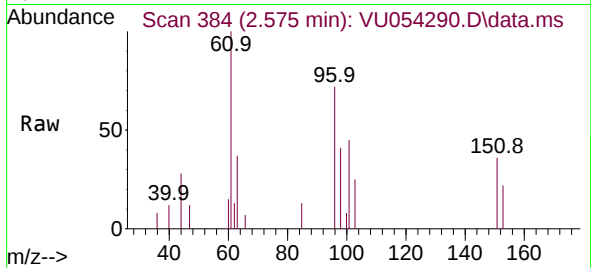




#12
1,1-Dichloroethene
Concen: 0.713 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

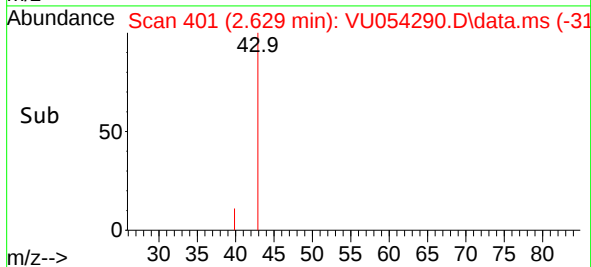
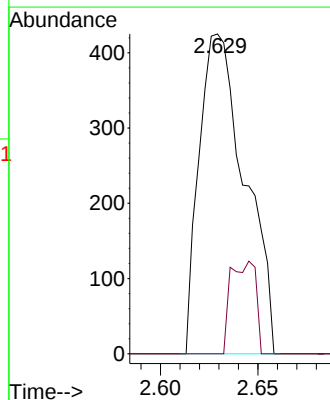
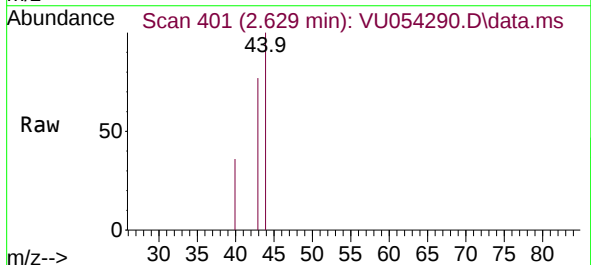
Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

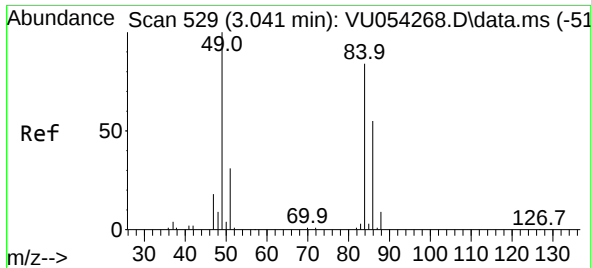
Tgt Ion: 96 Resp: 1984
Ion Ratio Lower Upper
96 100
61 138.0 122.2 183.2
98 57.2 50.7 76.1



#16
Acetone
Concen: 0.357 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.007 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



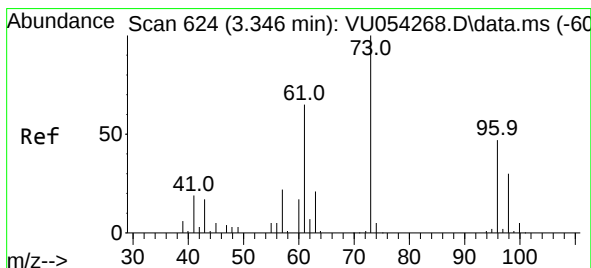
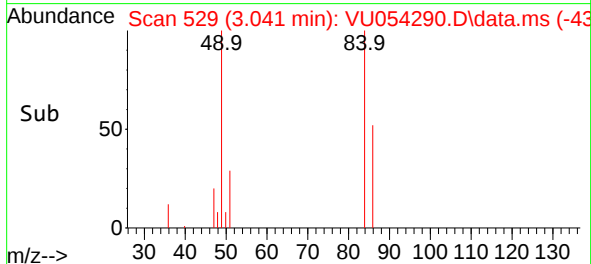
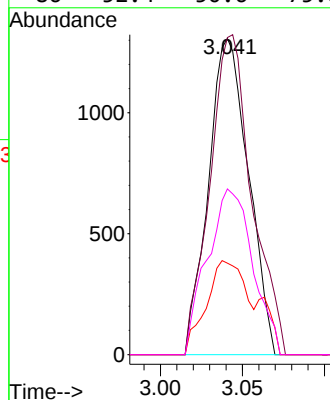
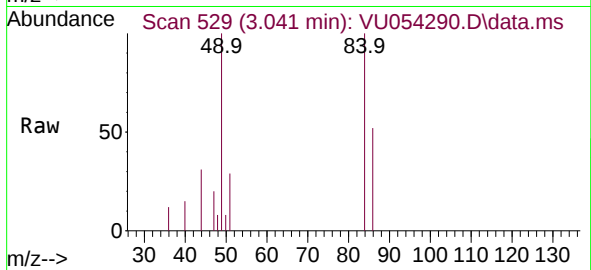


#20
Methylene Chloride
Concen: 0.630 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

Tgt Ion: 84 Resp: 2211

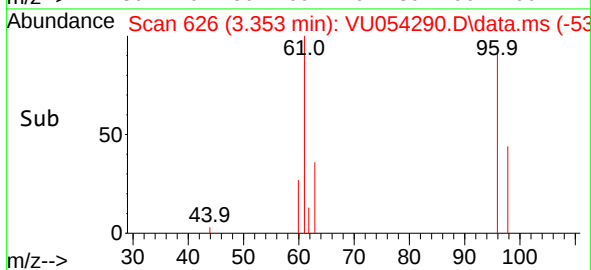
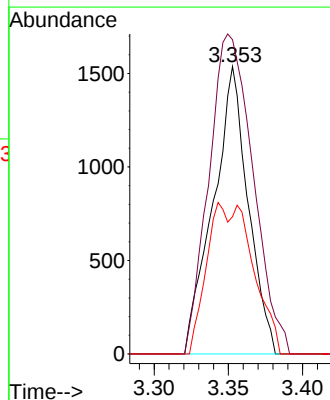
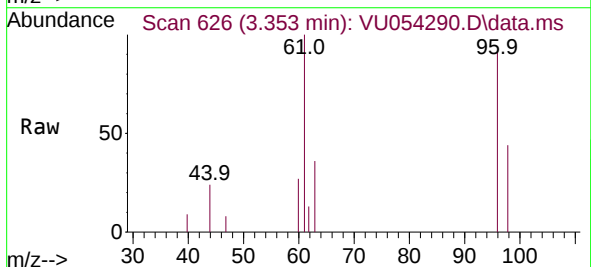
Ion	Ratio	Lower	Upper
84	100		
49	100.3	86.6	129.8
51	28.9	26.6	40.0
86	52.4	50.6	75.8

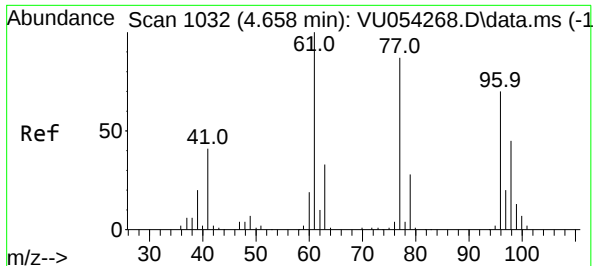


#21
trans-1,2-Dichloroethene
Concen: 0.844 ug/l
RT: 3.353 min Scan# 626
Delta R.T. 0.007 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 96 Resp: 2516

Ion	Ratio	Lower	Upper
96	100		
61	109.3	106.1	159.1
98	47.8	50.8	76.2

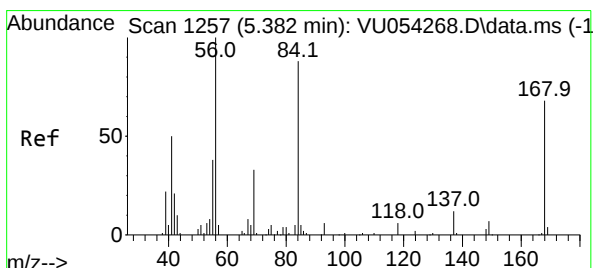
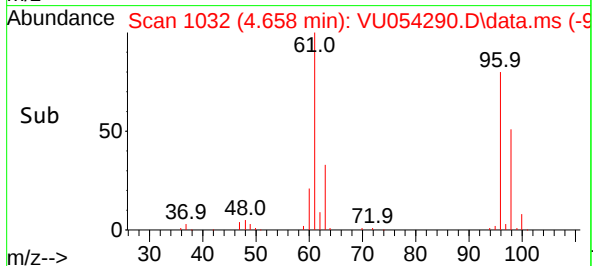
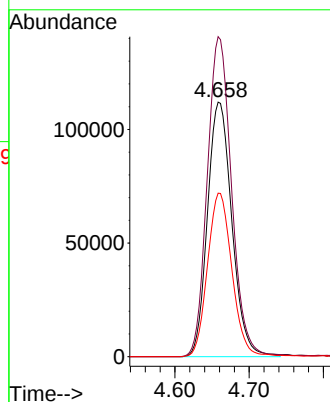
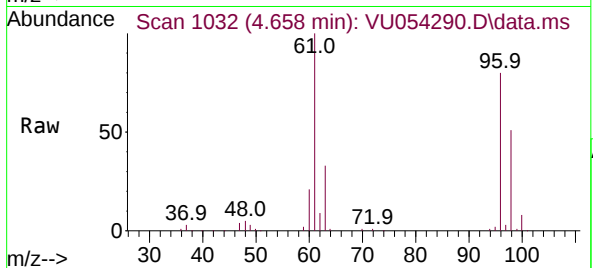




#27
 cis-1,2-Dichloroethene
 Concen: 77.225 ug/l
 RT: 4.658 min Scan# 1032
 Delta R.T. 0.000 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

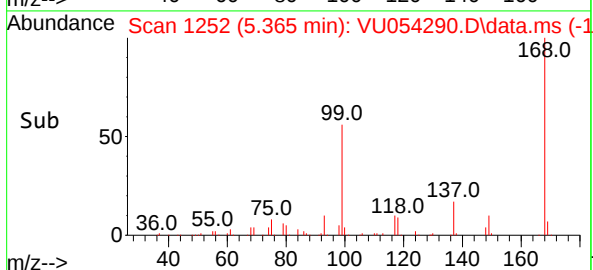
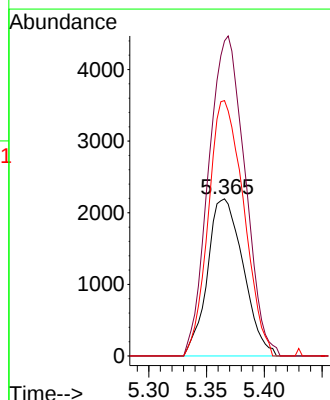
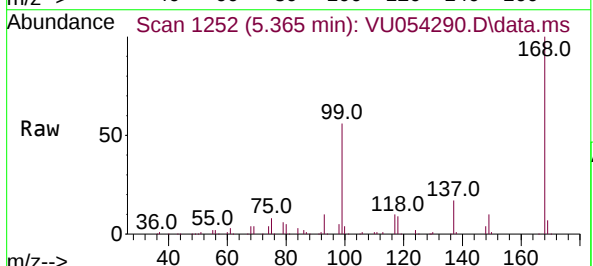
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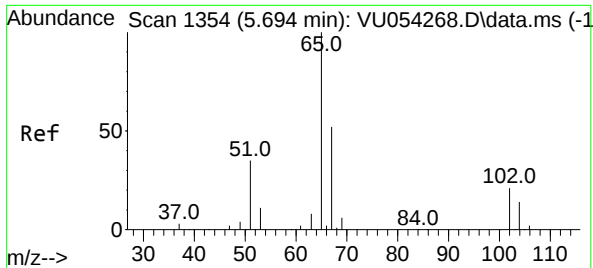
Tgt Ion: 96 Resp: 256031
 Ion Ratio Lower Upper
 96 100
 61 125.3 0.0 271.6
 98 64.3 0.0 128.2



#31
 Cyclohexane
 Concen: 0.987 ug/l
 RT: 5.365 min Scan# 1252
 Delta R.T. -0.017 min
 Lab File: VU054290.D
 Acq: 26 May 2023 17:01

Tgt Ion: 56 Resp: 4727
 Ion Ratio Lower Upper
 56 100
 69 200.4 27.8 41.8#
 84 162.5 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 50.826 ug/l

RT: 5.693 min Scan# 11

Delta R.T. -0.001 min

Lab File: VU054290.D

Acq: 26 May 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

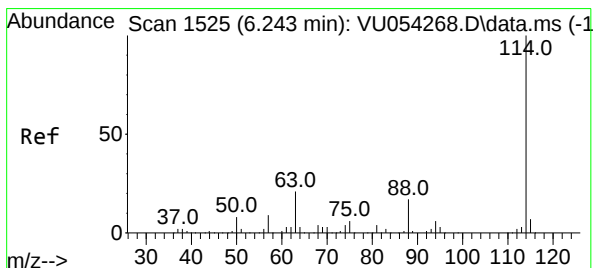
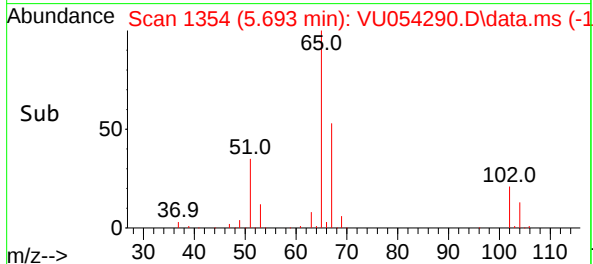
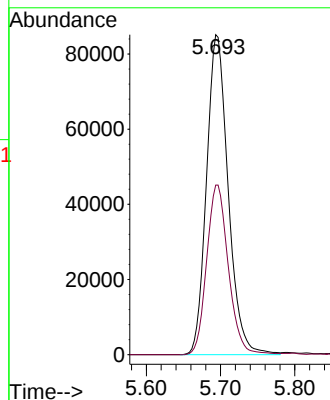
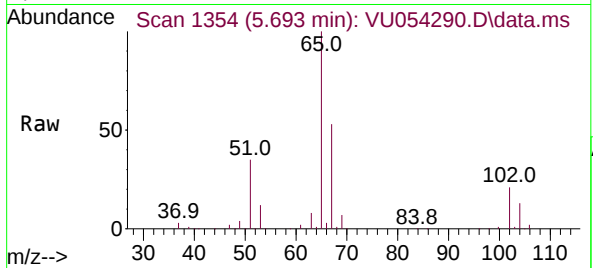
15BR-20230524

Tgt Ion: 65 Resp: 172431

Ion Ratio Lower Upper

65 100

67 53.0 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: VU054290.D

Acq: 26 May 2023 17:01

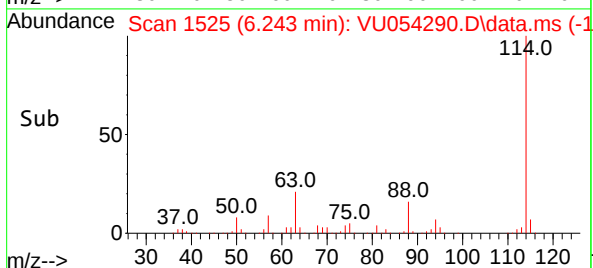
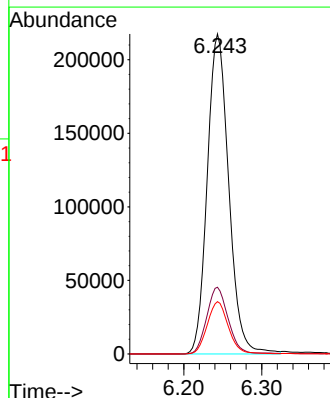
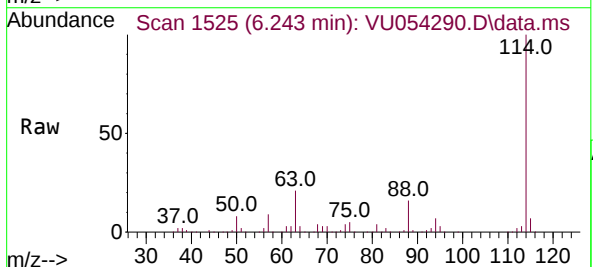
Tgt Ion:114 Resp: 416522

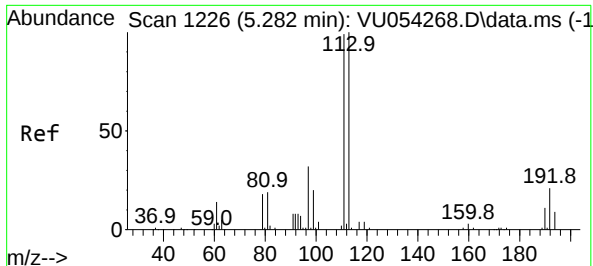
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.8

88 16.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.152 ug/l

RT: 5.282 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054290.D

Acq: 26 May 2023 17:01

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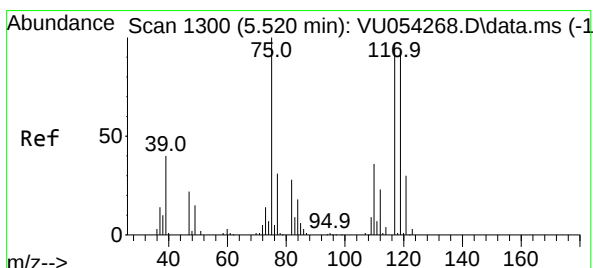
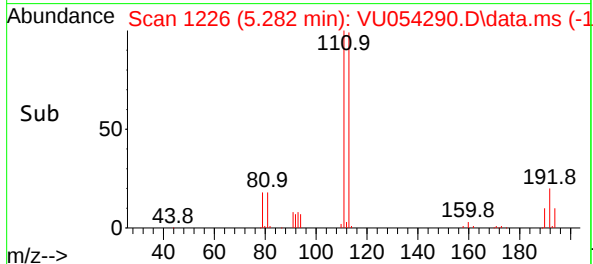
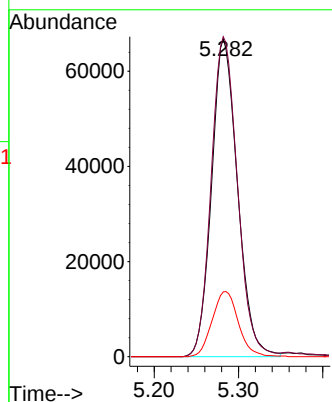
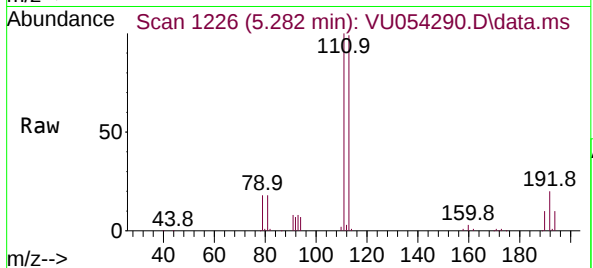
Tgt Ion:113 Resp: 142571

Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 20.8 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.586 ug/l

RT: 5.365 min Scan# 1252

Delta R.T. -0.155 min

Lab File: VU054290.D

Acq: 26 May 2023 17:01

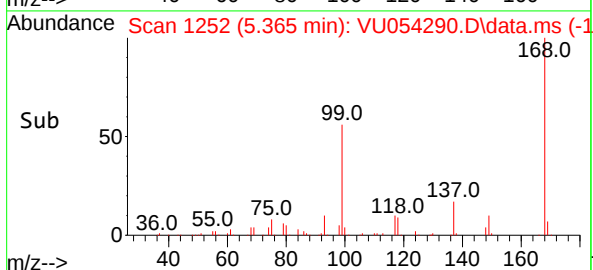
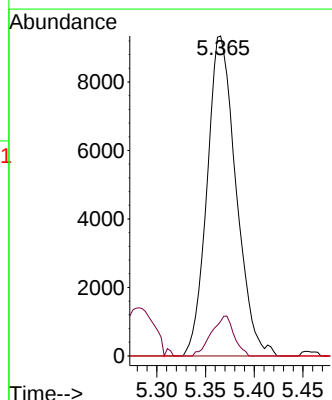
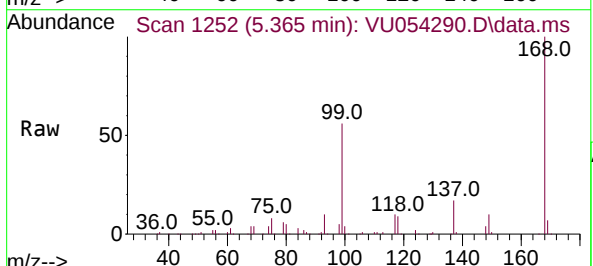
Tgt Ion: 75 Resp: 19322

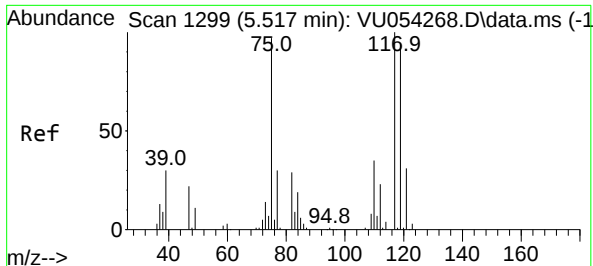
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 25.1 37.7#

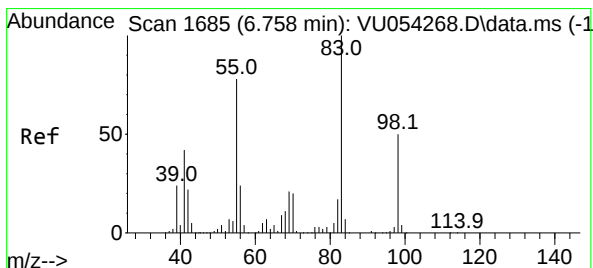
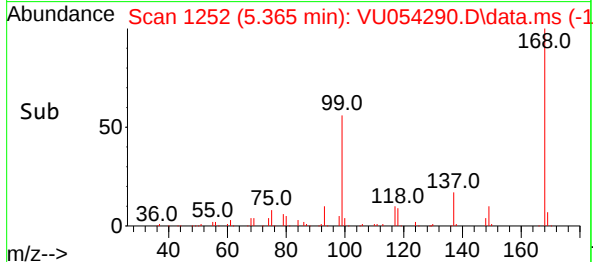
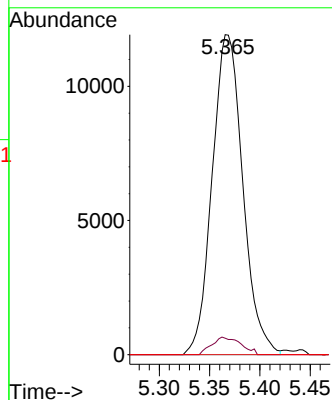
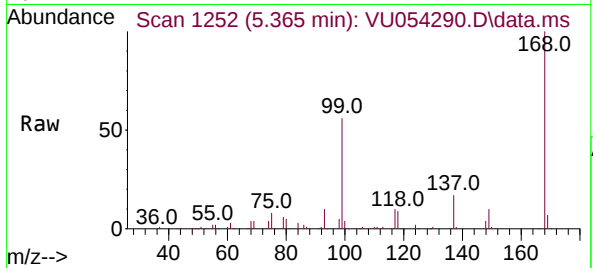




#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 5.365 min Scan# 11
Delta R.T. -0.152 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

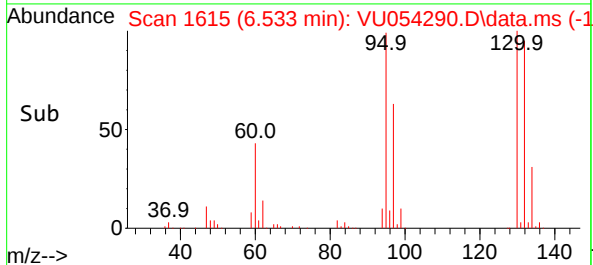
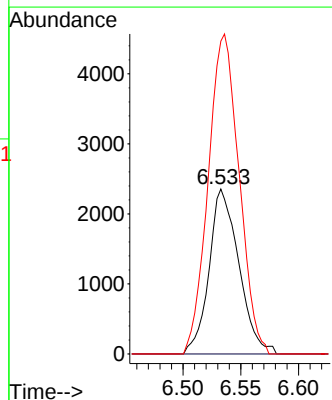
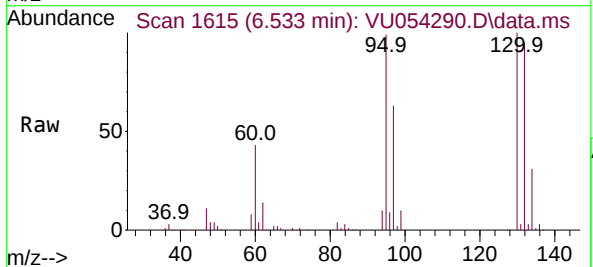
Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

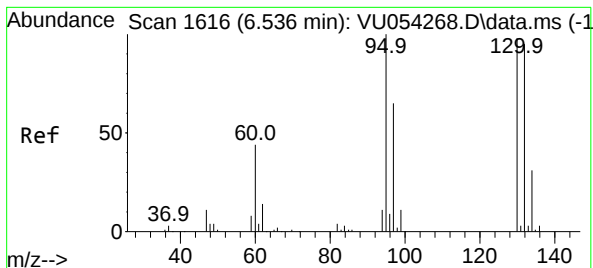
Tgt Ion:117 Resp: 25255
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.884 ug/l
RT: 6.533 min Scan# 1615
Delta R.T. -0.225 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 83 Resp: 4219
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 189.6 37.3 55.9#





#44

Trichloroethene

Concen: 105.201 ug/l

RT: 6.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054290.D

Acq: 26 May 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

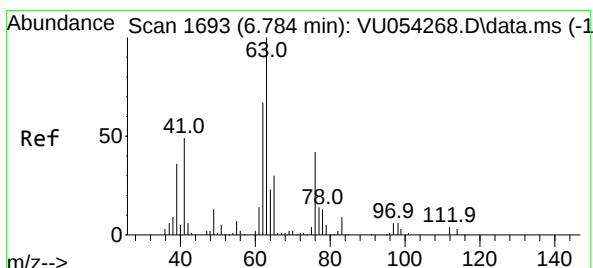
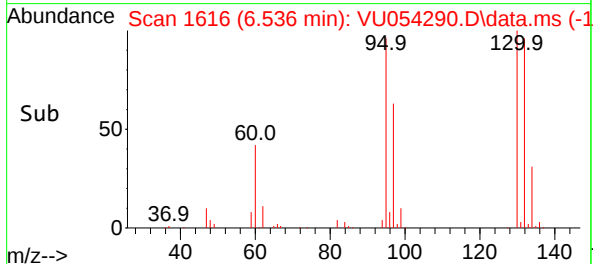
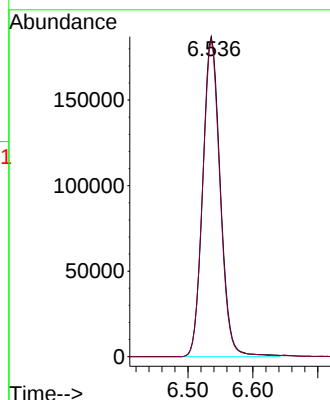
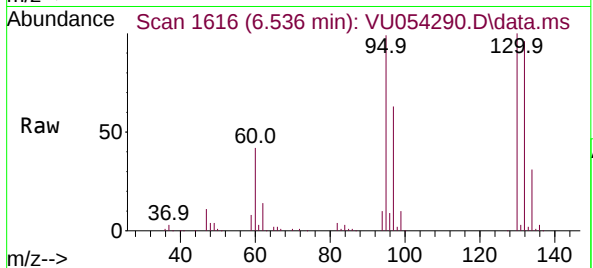
15BR-20230524

Tgt Ion:130 Resp: 353396

Ion Ratio Lower Upper

130 100

95 99.0 0.0 184.6



#45

1,2-Dichloropropane

Concen: 0.411 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. -0.248 min

Lab File: VU054290.D

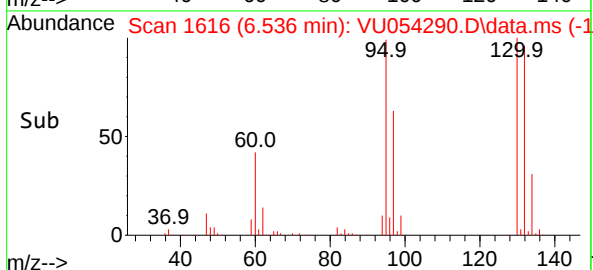
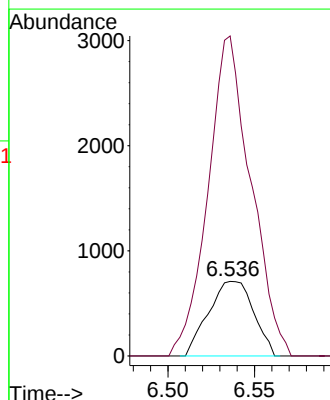
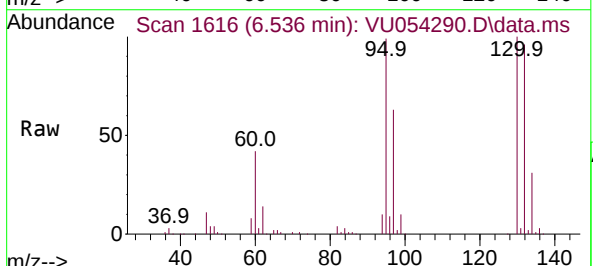
Acq: 26 May 2023 17:01

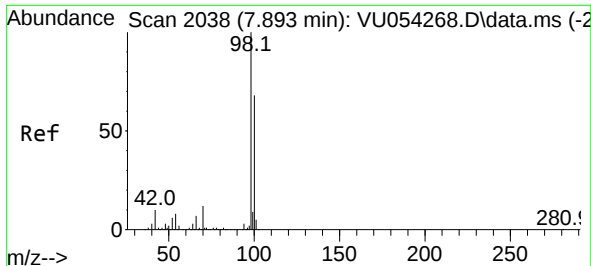
Tgt Ion: 63 Resp: 1287

Ion Ratio Lower Upper

63 100

65 403.7 25.0 37.4#

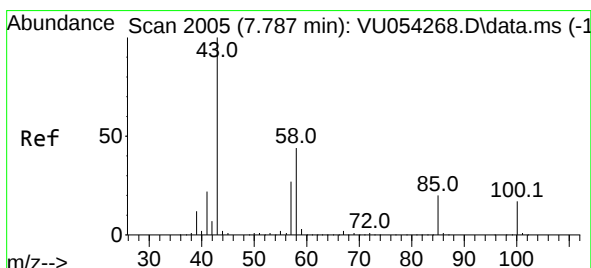
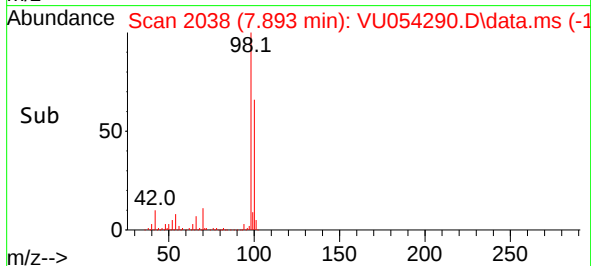
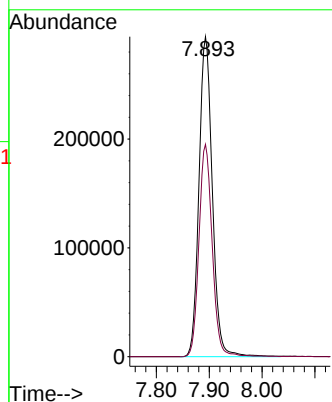
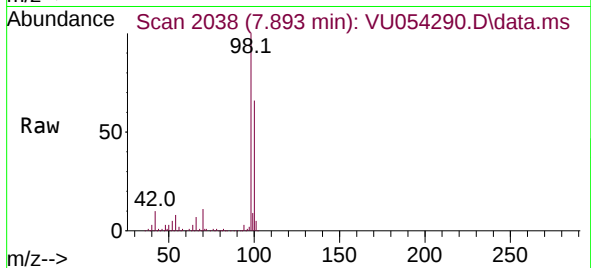




#50
Toluene-d8
Concen: 50.564 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

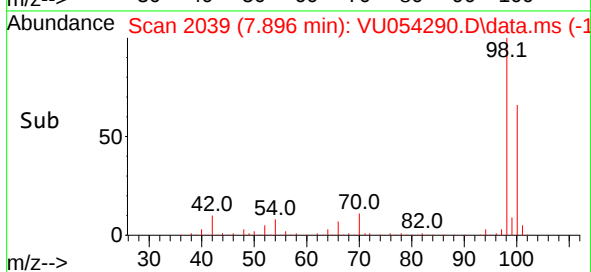
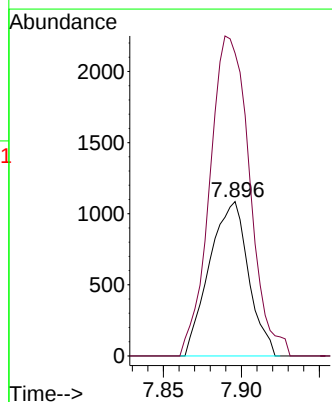
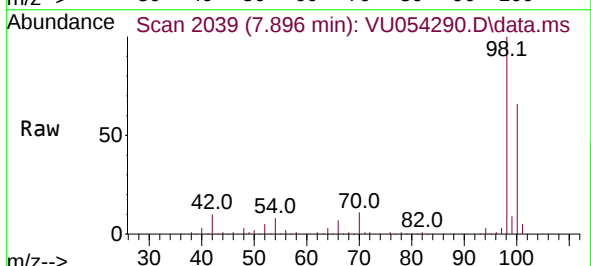
Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

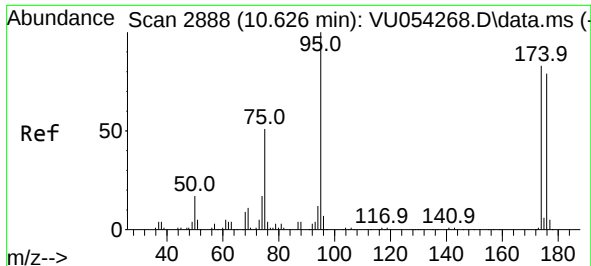
Tgt Ion: 98 Resp: 515885
Ion Ratio Lower Upper
98 100
100 65.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.399 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.109 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
58 211.2 34.7 52.1#

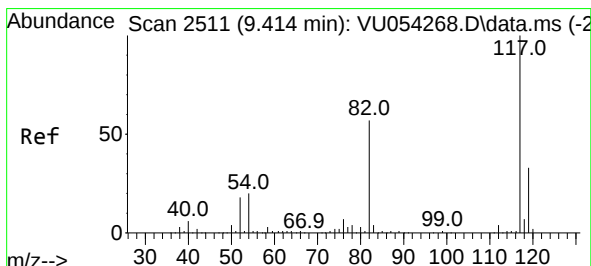
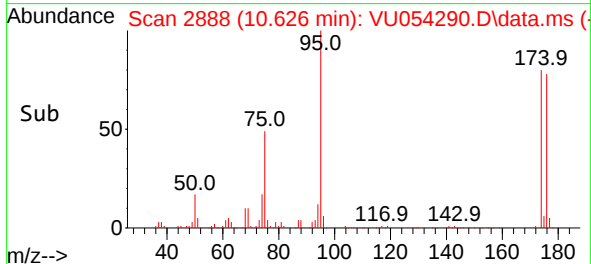
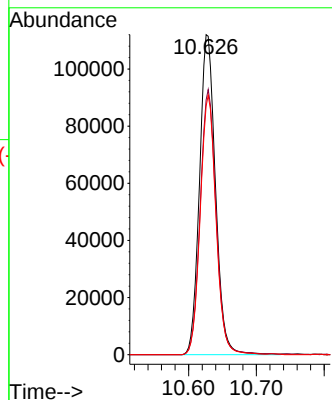
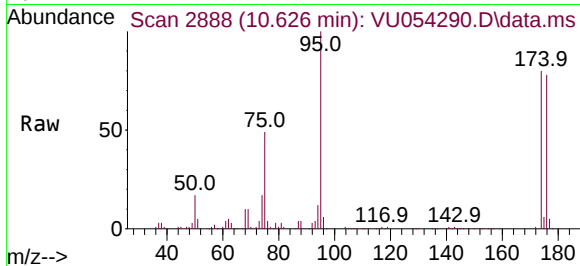




#62
4-Bromofluorobenzene
Concen: 46.282 ug/l
RT: 10.626 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

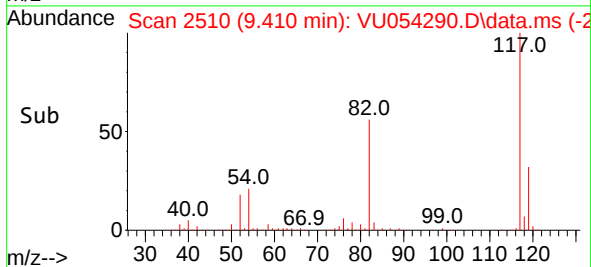
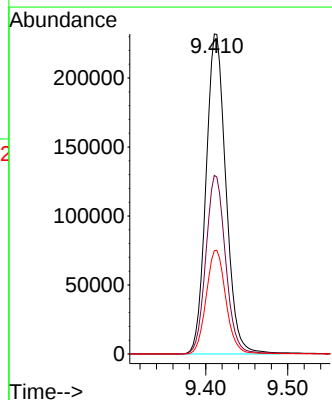
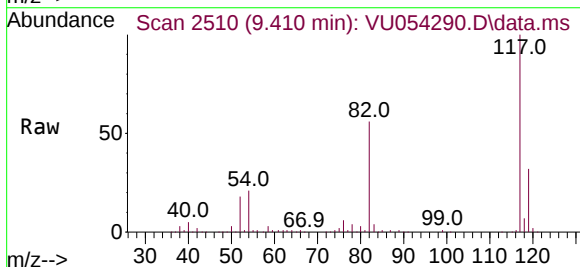
Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

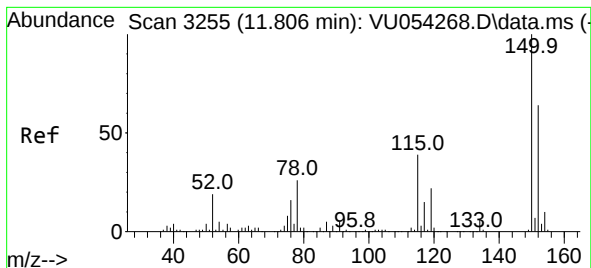
Tgt Ion: 95 Resp: 183090
Ion Ratio Lower Upper
95 100
174 82.6 0.0 182.0
176 80.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2510
Delta R.T. -0.004 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion: 117 Resp: 390879
Ion Ratio Lower Upper
117 100
82 55.8 41.7 62.5
119 32.3 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: VU054290.D

Acq: 26 May 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

15BR-20230524

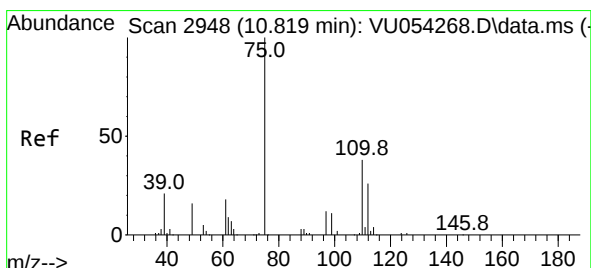
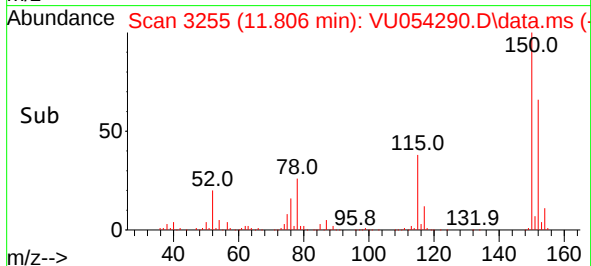
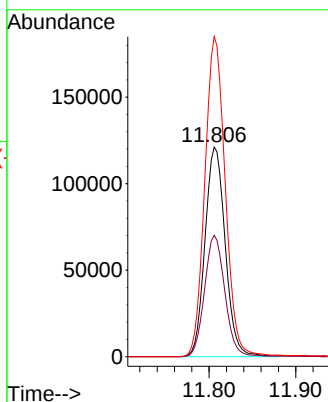
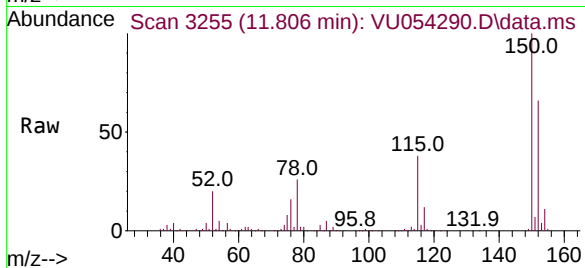
Tgt Ion:152 Resp: 197088

Ion Ratio Lower Upper

152 100

115 58.1 37.0 110.9

150 154.3 0.0 342.2



#76

1,2,3-Trichloropropane

Concen: 15.795 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.193 min

Lab File: VU054290.D

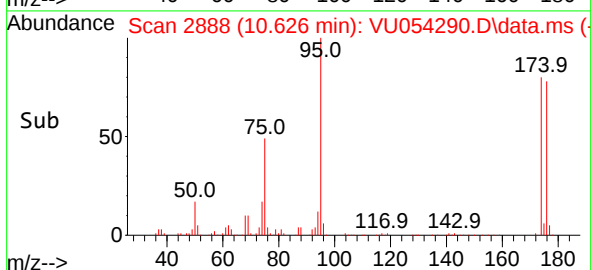
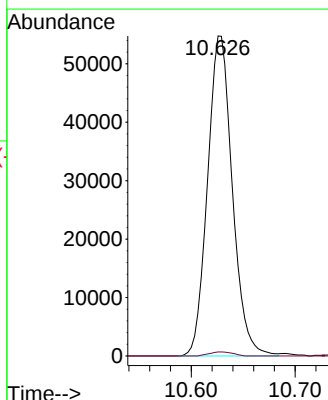
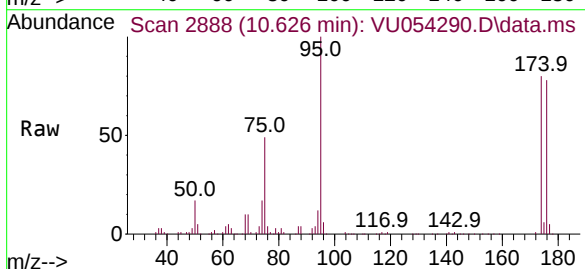
Acq: 26 May 2023 17:01

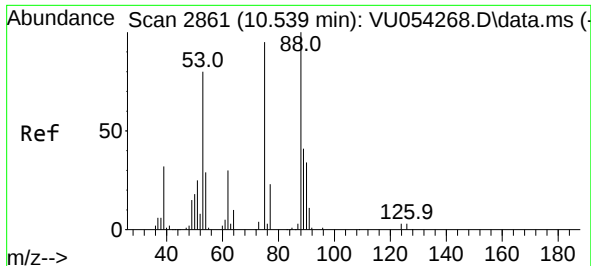
Tgt Ion: 75 Resp: 90856

Ion Ratio Lower Upper

75 100

77 1.2 15.8 47.3#

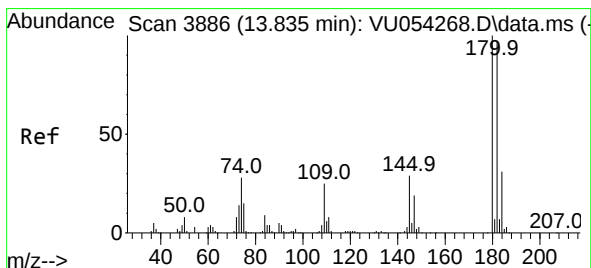
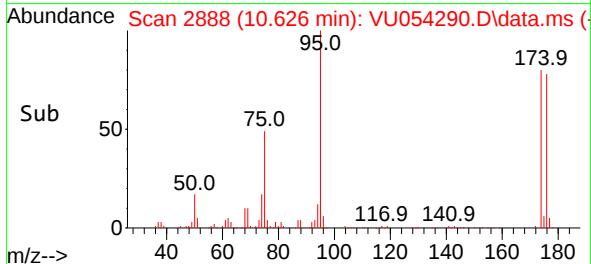
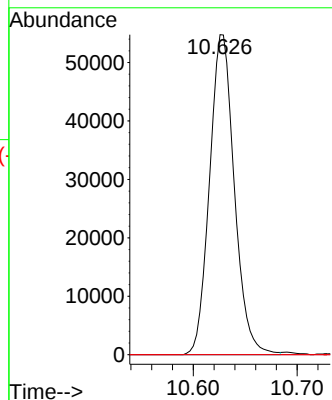
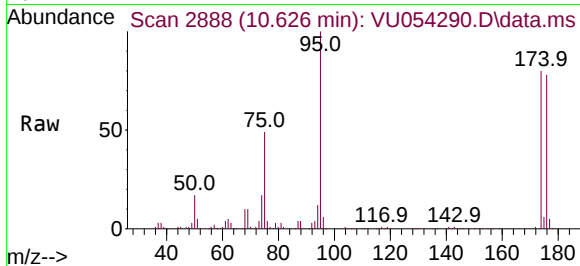




#81
trans-1,4-Dichloro-2-butene
Concen: 60.147 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

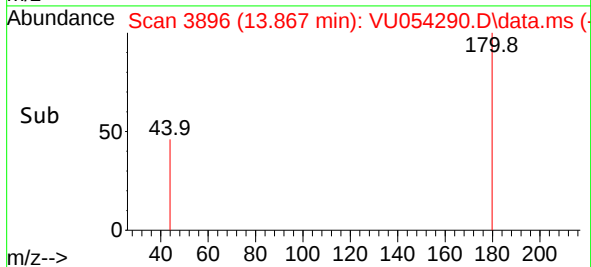
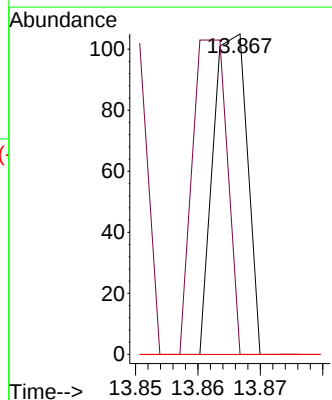
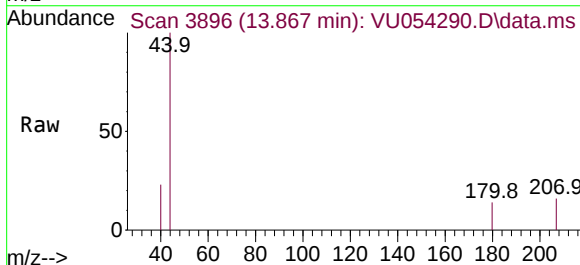
Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

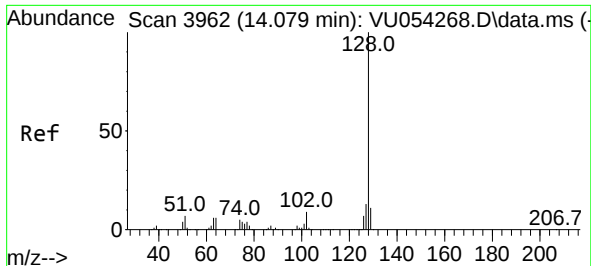
Tgt Ion: 75 Resp: 90856
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.652 ug/l
RT: 13.867 min Scan# 3896
Delta R.T. 0.032 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion:180 Resp: 40
Ion Ratio Lower Upper
180 100
182 100.0 47.9 143.6
145 0.0 14.0 41.9#

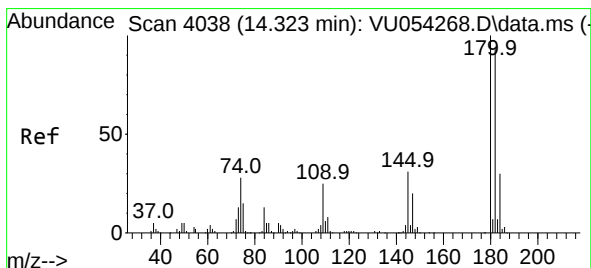
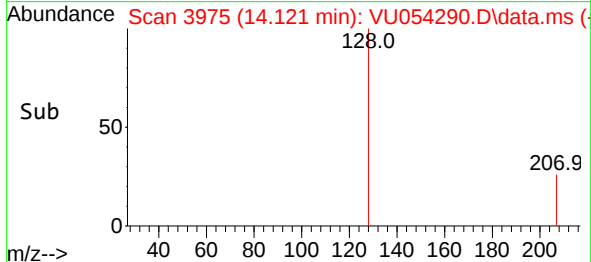
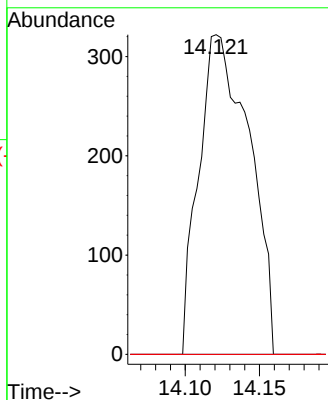
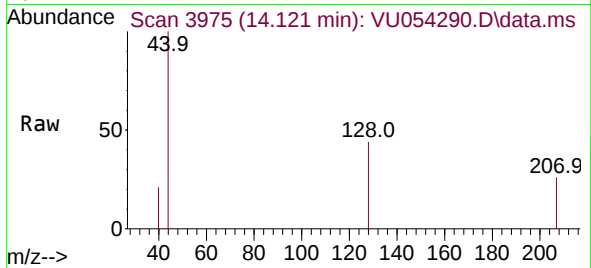




#95
Naphthalene
Concen: 2.041 ug/l
RT: 14.121 min Scan# 3962
Delta R.T. 0.042 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Instrument :
MSVOA_U
ClientSampleId :
15BR-20230524

Tgt Ion:	128	Resp:	762
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: 1.266 ug/l
RT: 14.343 min Scan# 4044
Delta R.T. 0.020 min
Lab File: VU054290.D
Acq: 26 May 2023 17:01

Tgt Ion:	180	Resp:	50
Ion Ratio	Lower	Upper	
180	100		
182	252.0	48.4	145.0#
145	0.0	14.8	44.4#

