

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054278.D
 Acq On : 26 May 2023 12:17
 Operator : JC/MD
 Sample : 02936-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 91BR-20230523

Quant Time: May 29 23:59:48 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	262922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	419791	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	393155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	202390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	168985	49.029	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.060%
35) Dibromofluoromethane	5.282	113	136151	50.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.720%
50) Toluene-d8	7.893	98	507584	49.363	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.720%
62) 4-Bromofluorobenzene	10.626	95	183866	46.116	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.240%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.382	85	1683	0.573	ug/l	72
3) Chloromethane	1.520	50	923	0.240	ug/l	95
4) Vinyl Chloride	1.604	62	1180	0.322	ug/l	98
5) Bromomethane	1.858	94	630	0.310	ug/l	90
10) Methyl Iodide	2.719	142	509	2.480	ug/l #	69
12) 1,1-Dichloroethene	2.575	96	574	0.203	ug/l #	80
13) Acrolein	2.478	56	239	0.247	ug/l #	36
16) Acetone	2.639	43	1610	0.815	ug/l	92
17) Carbon Disulfide	2.790	76	3570	0.427	ug/l	96
20) Methylene Chloride	3.047	84	1607	0.451	ug/l #	89
21) trans-1,2-Dichloroethene	3.346	96	2041	0.674	ug/l #	83
27) cis-1,2-Dichloroethene	4.665	96	11109	3.298	ug/l	93
31) Cyclohexane	5.366	56	4944	1.016	ug/l #	1
36) 1,1-Dichloropropene	5.526	75	1042	0.245	ug/l #	64
38) Carbon Tetrachloride	5.366	117	25299	5.821	ug/l #	16
44) Trichloroethene	6.539	130	11571	3.418	ug/l	96
49) 1,4-Dioxane	7.009	88	44	0.481	ug/l #	58
51) 4-Methyl-2-Pentanone	7.793	43	3016	0.633	ug/l	91
59) 2-Hexanone	8.690	43	4610	1.225	ug/l	91
64) Tetrachloroethene	8.546	164	624	0.211	ug/l	93
65) Chlorobenzene	9.443	112	2165	0.263	ug/l	95
68) m/p-Xylenes	9.697	106	2020	0.379	ug/l	95
70) Styrene	10.115	104	2205	0.258	ug/l #	80
74) N-amyl acetate	10.320	43	2985	0.561	ug/l #	89
76) 1,2,3-Trichloropropane	10.626	75	92559	15.670	ug/l #	45
77) Bromobenzene	10.783	156	1232	0.358	ug/l	90
78) n-propylbenzene	10.902	91	4654	0.303	ug/l	99
79) 2-Chlorotoluene	10.989	91	2487	0.268	ug/l	82
81) trans-1,4-Dichloro-2-b...	10.626	75	92559	59.669	ug/l #	15
82) 4-Chlorotoluene	11.099	91	3613	0.331	ug/l	98
84) 1,2,4-Trimethylbenzene	11.468	105	2682	0.253	ug/l	90
85) sec-Butylbenzene	11.639	105	4184	0.309	ug/l	92
86) p-Isopropyltoluene	11.790	119	3521	0.310	ug/l #	80
87) 1,3-Dichlorobenzene	11.742	146	3118	0.468	ug/l	95
88) 1,4-Dichlorobenzene	11.742	146	3118	0.448	ug/l	95
89) n-Butylbenzene	12.208	91	5816	0.543	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration

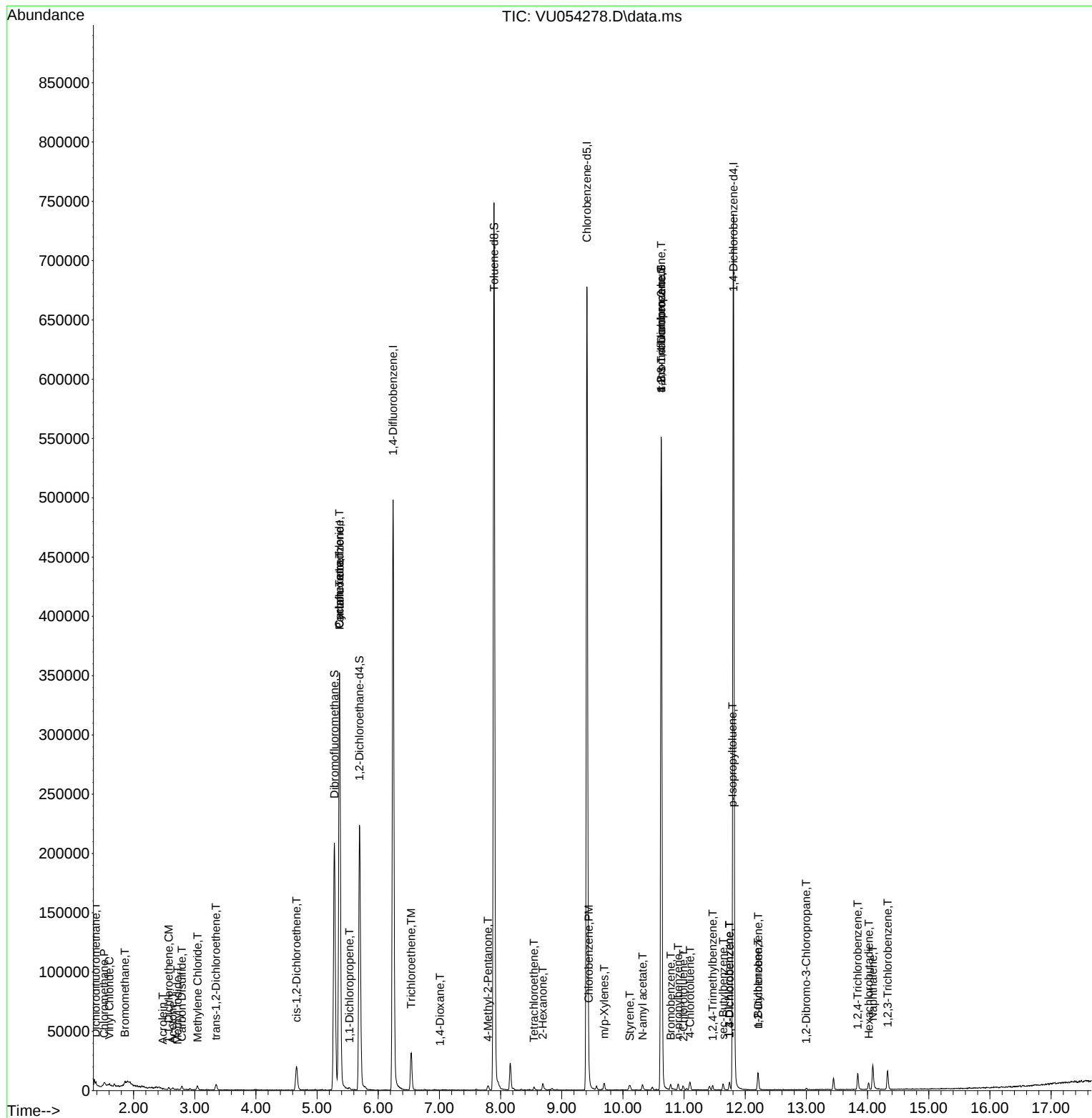
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	12.211	146	2598	0.396	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	12.996	75	275	0.238	ug/l	87
93) 1,2,4-Trichlorobenzene	13.838	180	5006	2.683	ug/l	98
94) Hexachlorobutadiene	14.021	225	1466	1.489	ug/l	86
95) Naphthalene	14.086	128	20378	3.298	ug/l	97
96) 1,2,3-Trichlorobenzene	14.330	180	5684	2.456	ug/l	98

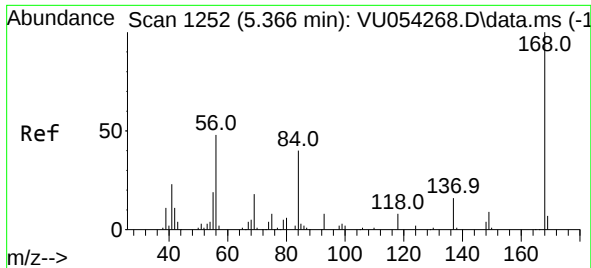
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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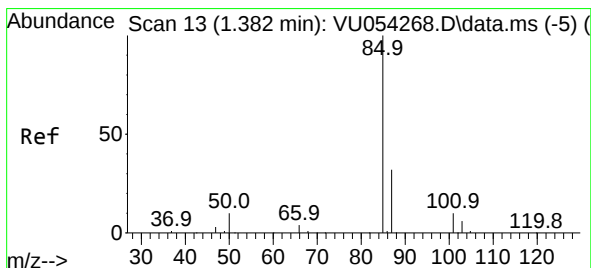
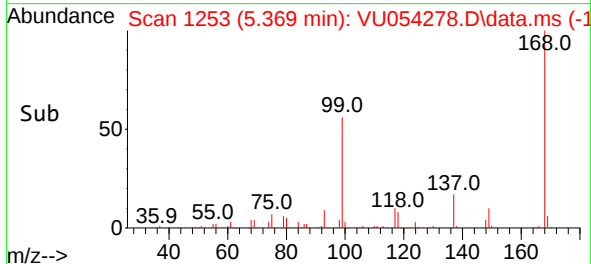
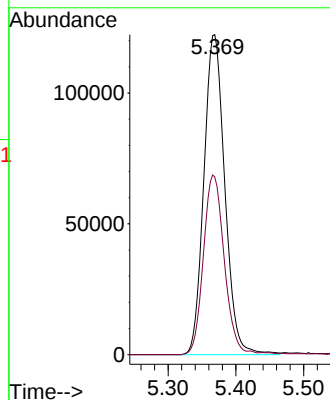
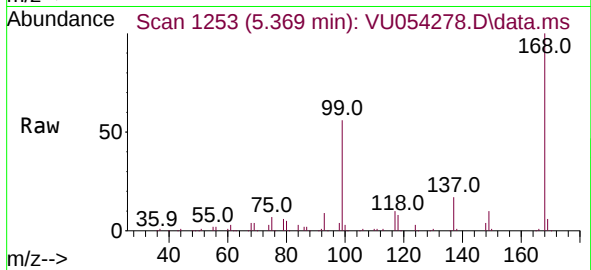




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

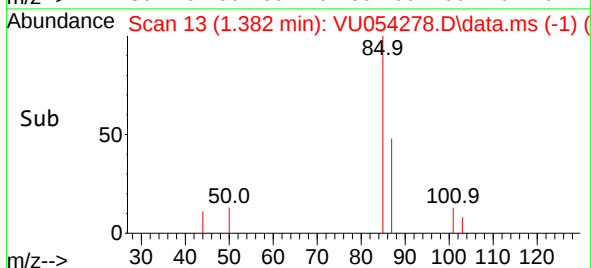
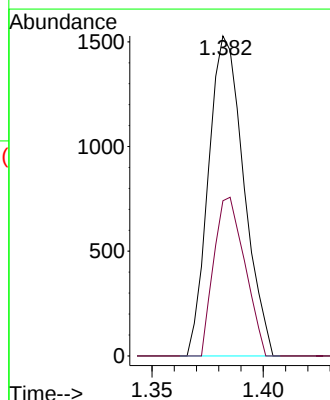
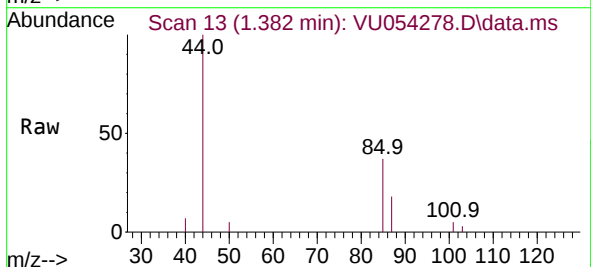
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

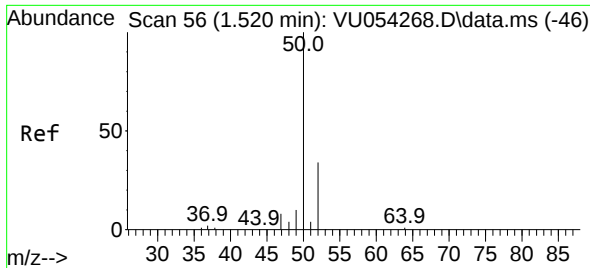
Tgt Ion:168 Resp: 262922
Ion Ratio Lower Upper
168 100
99 55.6 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.573 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 85 Resp: 1683
Ion Ratio Lower Upper
85 100
87 48.5 16.4 49.2

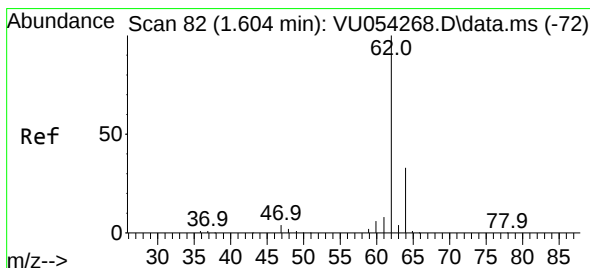
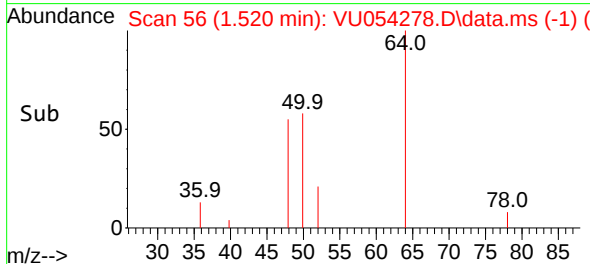
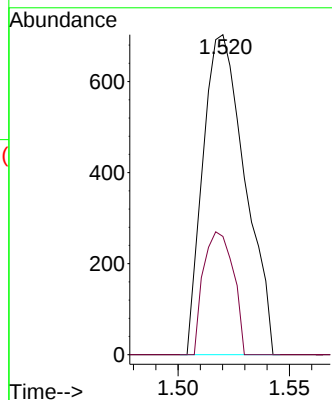
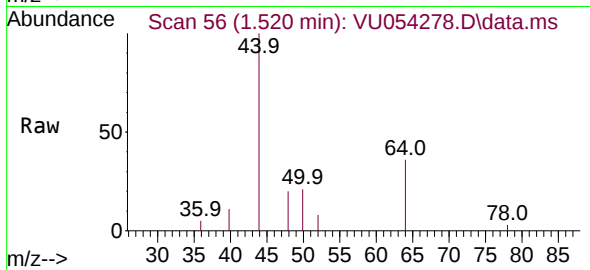




#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

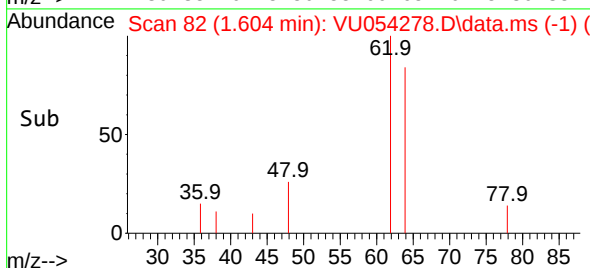
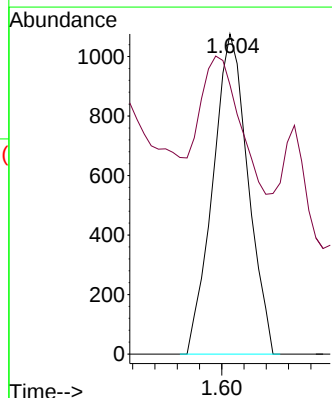
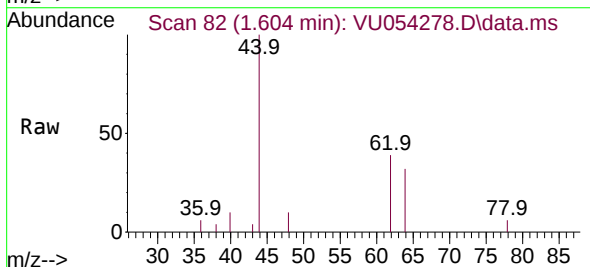
Instrument :
MSVOA_U
ClientSampleId :
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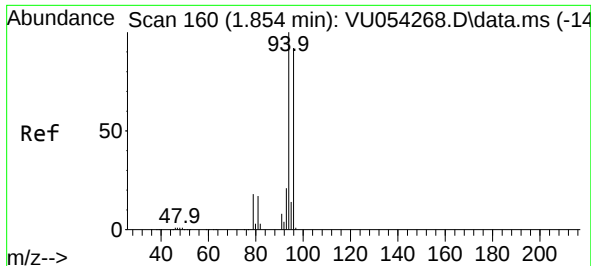
Tgt Ion: 50 Resp: 923
Ion Ratio Lower Upper
50 100
52 37.0 27.4 41.2



#4
Vinyl Chloride
Concen: 0.322 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 62 Resp: 1180
Ion Ratio Lower Upper
62 100
64 30.7 25.3 37.9

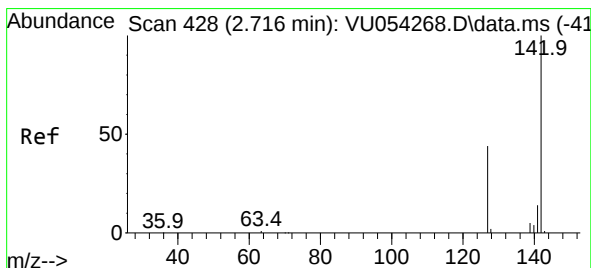
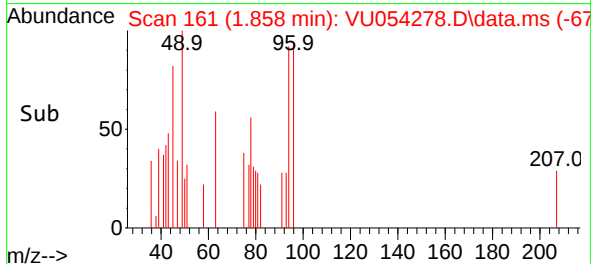
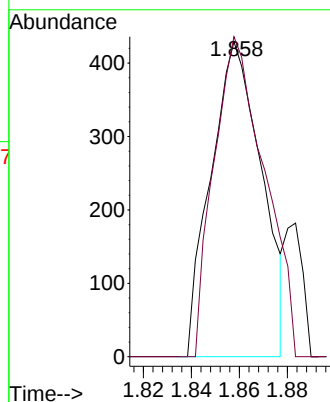
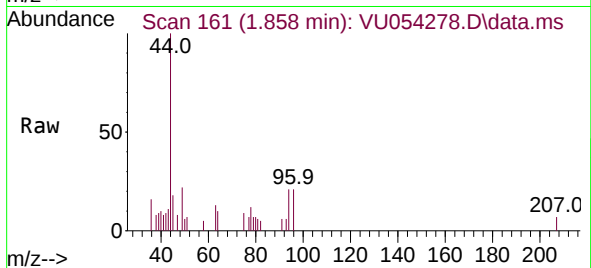




#5
Bromomethane
Concen: 0.310 ug/l
RT: 1.858 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

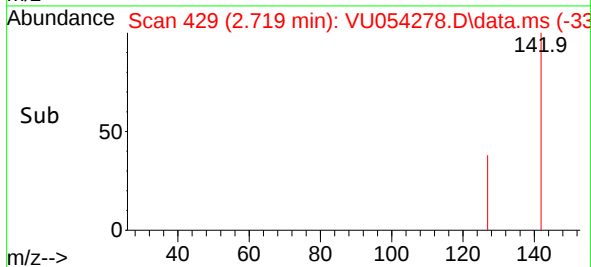
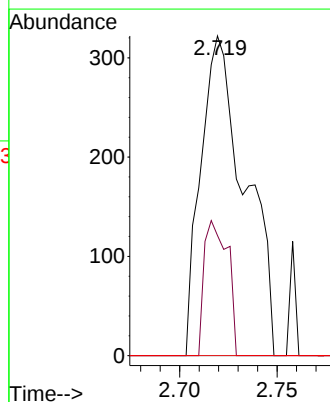
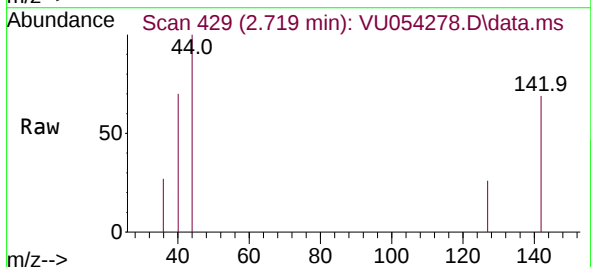
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

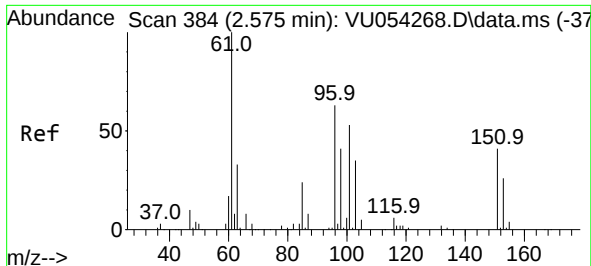
Tgt Ion: 94 Resp: 630
Ion Ratio Lower Upper
94 100
96 101.6 73.7 110.5



#10
Methyl Iodide
Concen: 2.480 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.003 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion:142 Resp: 509
Ion Ratio Lower Upper
142 100
127 22.4 32.5 48.7#
141 0.0 11.4 17.0#

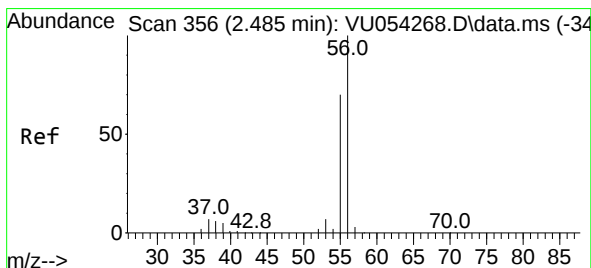
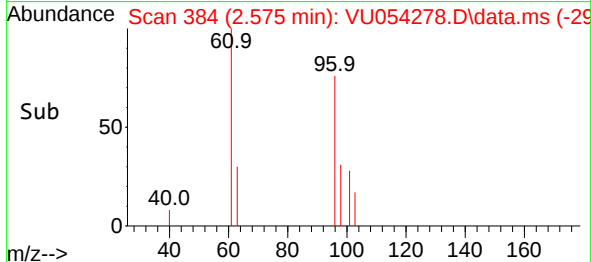
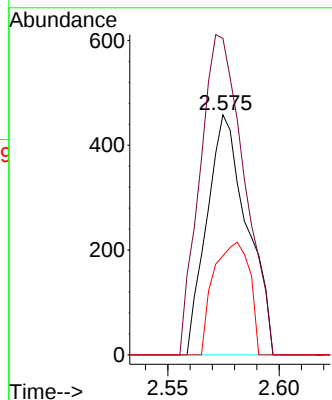
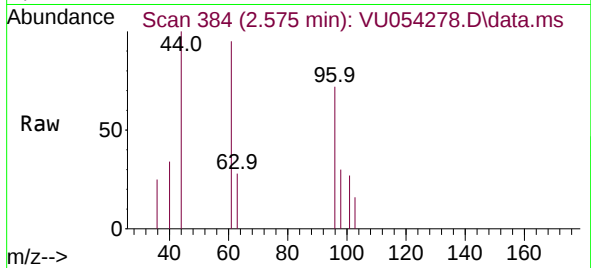




#12
1,1-Dichloroethene
Concen: 0.203 ug/l
RT: 2.575 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

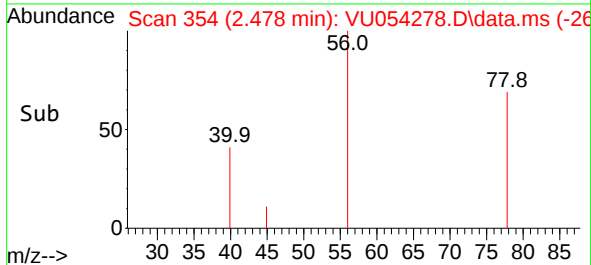
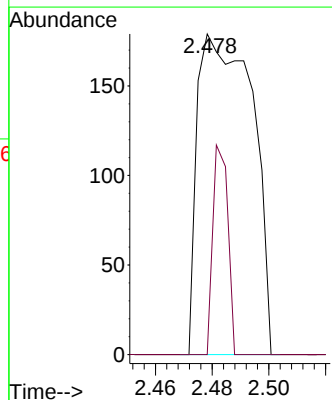
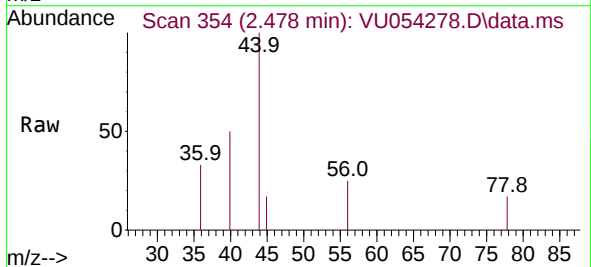
Instrument :
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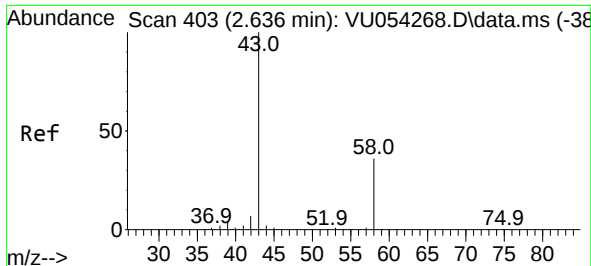
Tgt Ion: 96 Resp: 574
Ion Ratio Lower Upper
96 100
61 131.9 122.2 183.2
98 41.3 50.7 76.1#



#13
Acrolein
Concen: 0.247 ug/l
RT: 2.478 min Scan# 354
Delta R.T. -0.007 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 18.0 56.6 85.0#





#16

Acetone

Concen: 0.815 ug/l

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

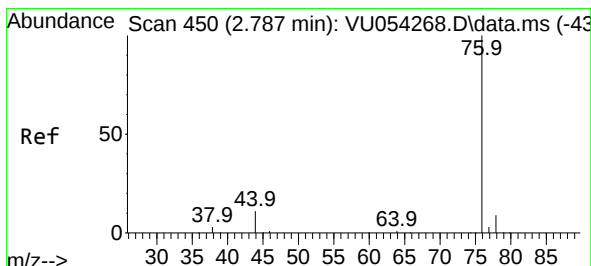
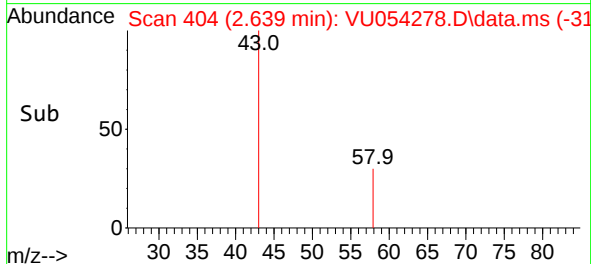
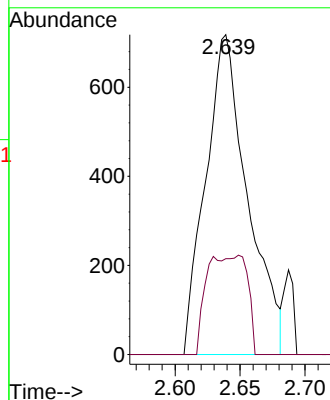
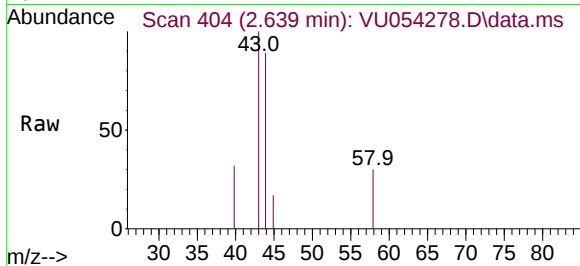
91BR-20230523

Tgt Ion: 43 Resp: 1610

Ion Ratio Lower Upper

43 100

58 29.9 27.5 41.3



#17

Carbon Disulfide

Concen: 0.427 ug/l

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU054278.D

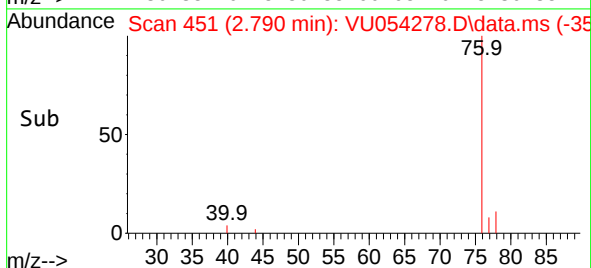
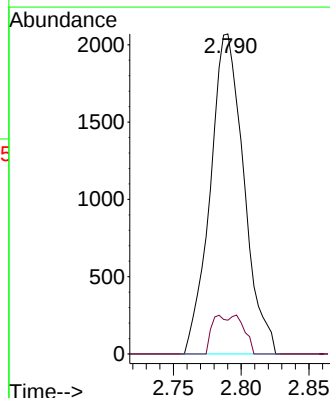
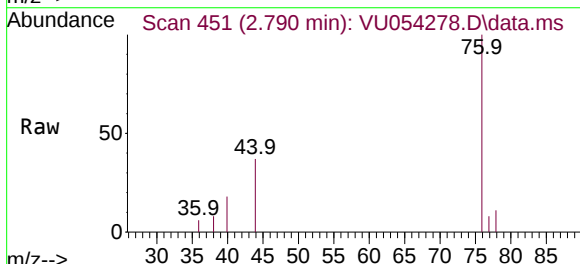
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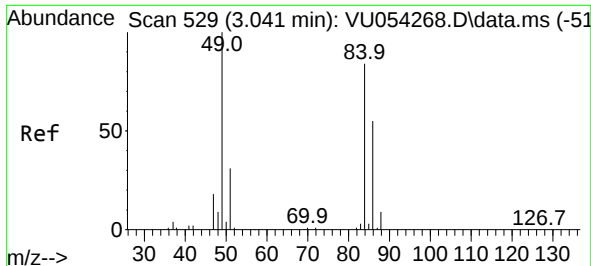
Tgt Ion: 76 Resp: 3570

Ion Ratio Lower Upper

76 100

78 10.5 7.3 10.9

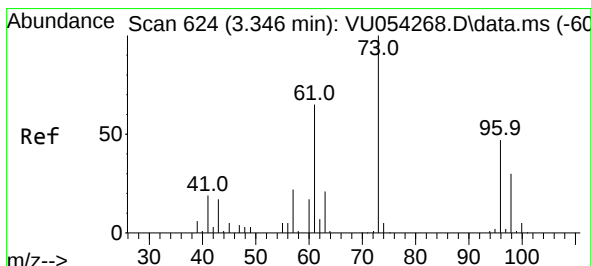
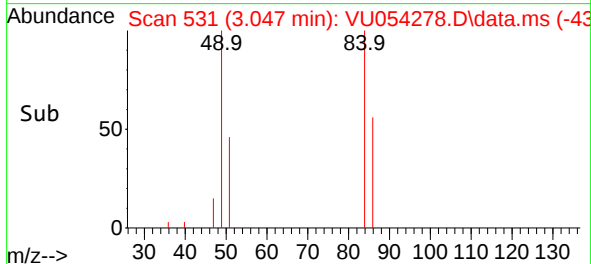
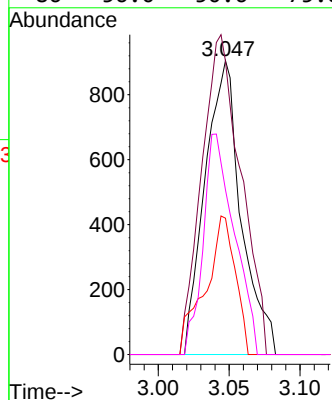
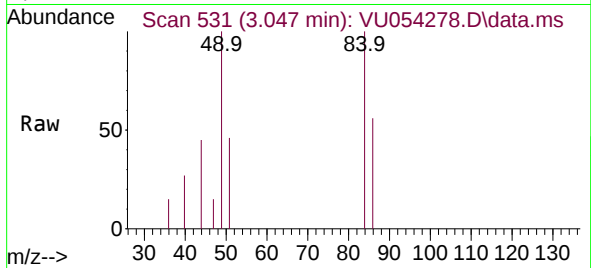




#20
Methylene Chloride
Concen: 0.451 ug/l
RT: 3.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

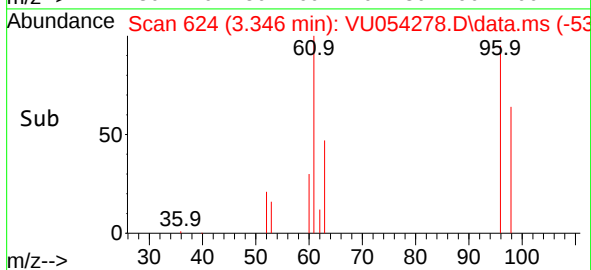
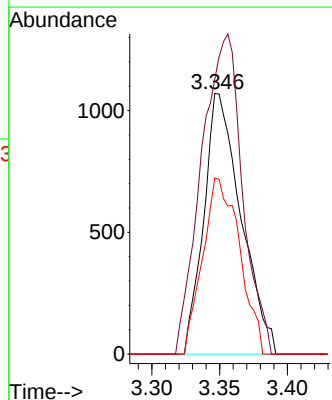
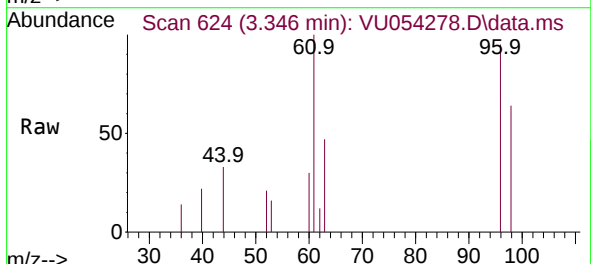
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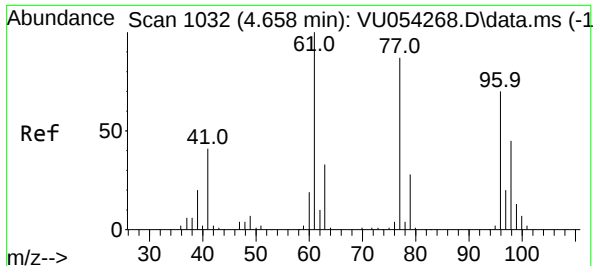
Tgt Ion:	84	Resp:	1607
Ion	Ratio	Lower	Upper
84	100		
49	99.8	86.6	129.8
51	46.4	26.6	40.0#
86	56.0	50.6	75.8



#21
trans-1,2-Dichloroethene
Concen: 0.674 ug/l
RT: 3.346 min Scan# 624
Delta R.T. 0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion:	96	Resp:	2041
Ion	Ratio	Lower	Upper
96	100		
61	105.4	106.1	159.1#
98	67.5	50.8	76.2

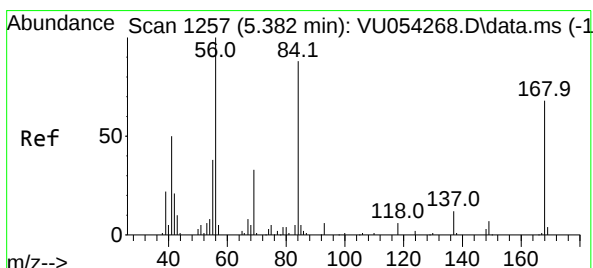
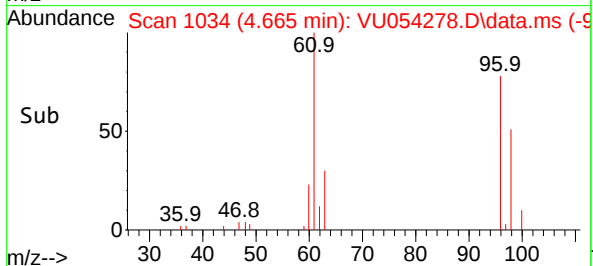
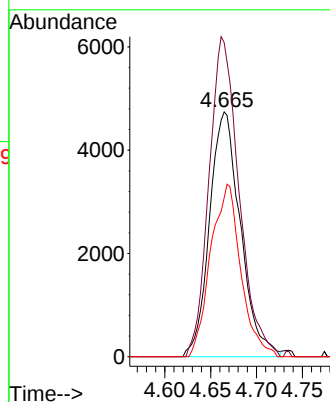
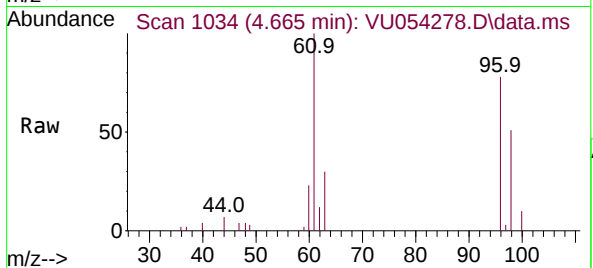




#27
 cis-1,2-Dichloroethene
 Concen: 3.298 ug/l
 RT: 4.665 min Scan# 1032
 Delta R.T. 0.007 min
 Lab File: VU054278.D
 Acq: 26 May 2023 12:17

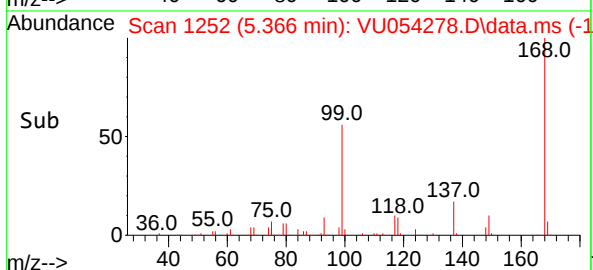
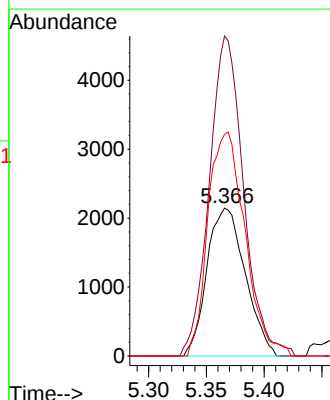
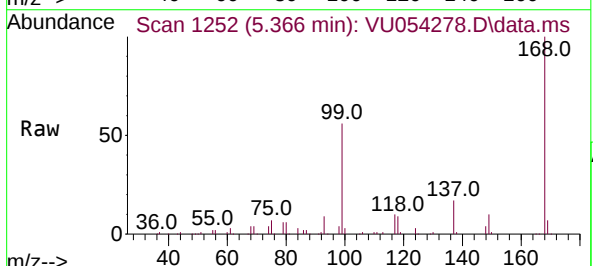
Instrument :
 MSVOA_U
 ClientSampleId :
 91BR-20230523

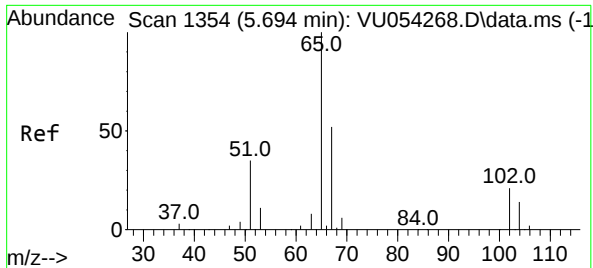
Tgt Ion: 96	Resp: 11109
Ion Ratio	Lower Upper
96 100	
61 126.4	0.0 271.6
98 68.5	0.0 128.2



#31
 Cyclohexane
 Concen: 1.016 ug/l
 RT: 5.366 min Scan# 1252
 Delta R.T. -0.016 min
 Lab File: VU054278.D
 Acq: 26 May 2023 12:17

Tgt Ion: 56	Resp: 4944
Ion Ratio	Lower Upper
56 100	
69 216.5	27.8 41.8#
84 149.9	74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 49.029 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

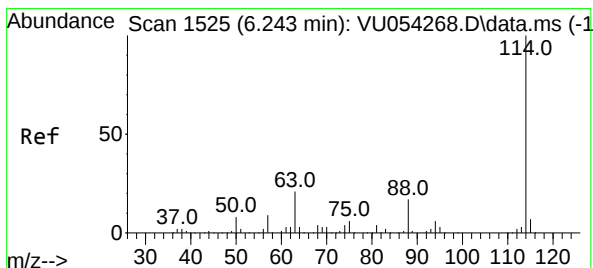
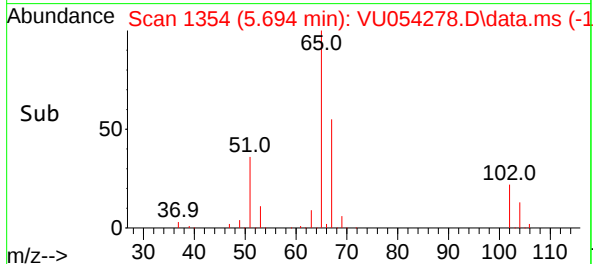
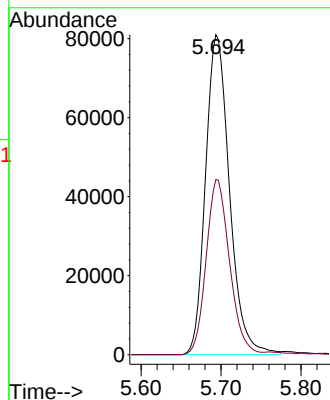
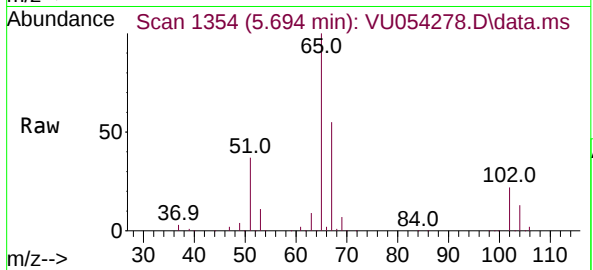
91BR-20230523

Tgt Ion: 65 Resp: 168985

Ion Ratio Lower Upper

65 100

67 53.4 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: VU054278.D

Acq: 26 May 2023 12:17

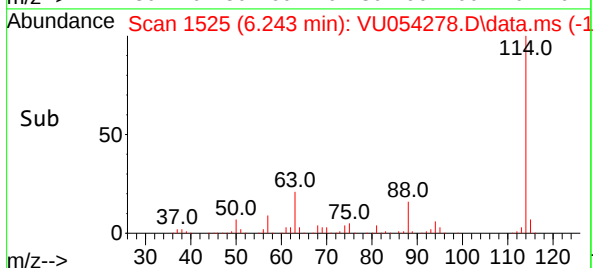
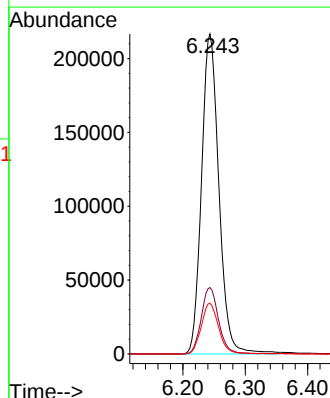
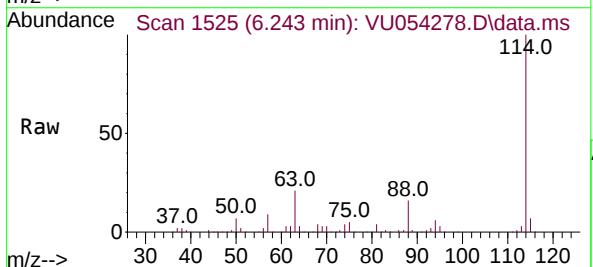
Tgt Ion: 114 Resp: 419791

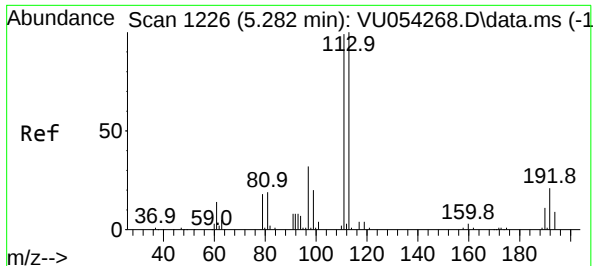
Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.8

88 15.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 50.364 ug/l

RT: 5.282 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

91BR-20230523

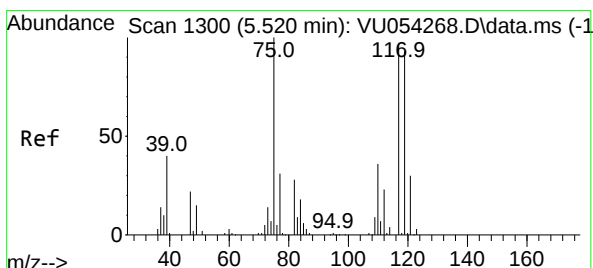
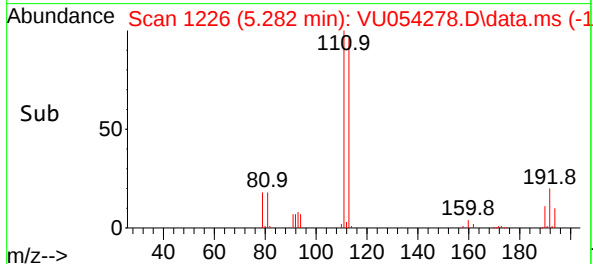
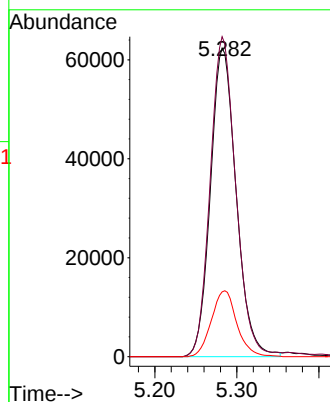
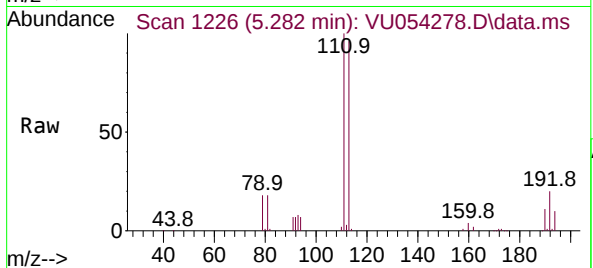
Tgt Ion:113 Resp: 136151

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

192 21.2 18.0 27.0



#36

1,1-Dichloropropene

Concen: 0.245 ug/l

RT: 5.526 min Scan# 1302

Delta R.T. 0.006 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

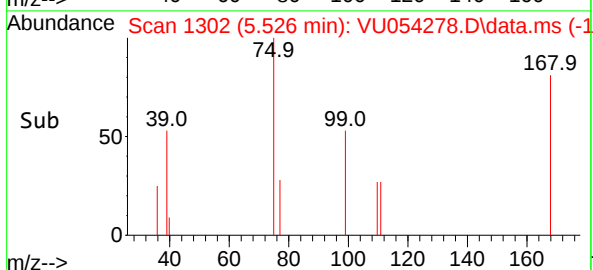
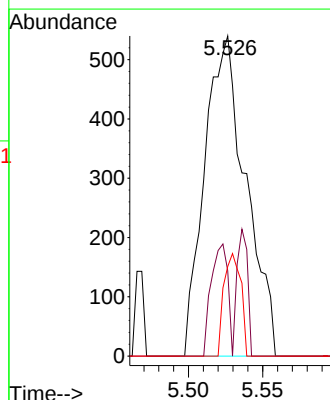
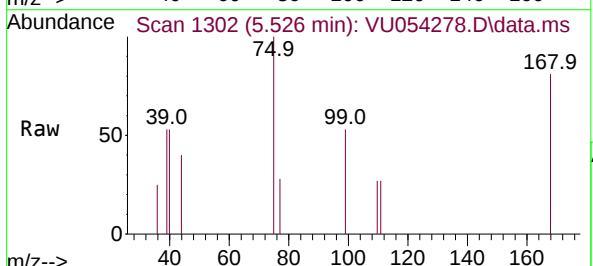
Tgt Ion: 75 Resp: 1042

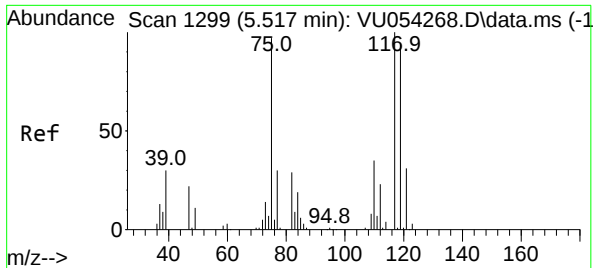
Ion Ratio Lower Upper

75 100

110 14.0 18.4 55.2#

77 13.1 25.1 37.7#

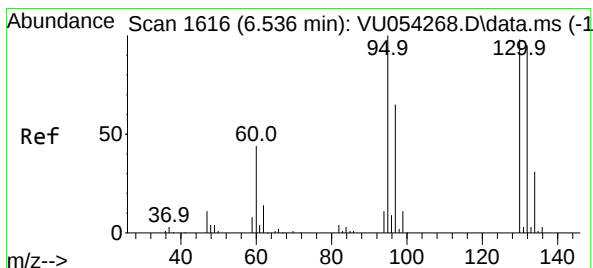
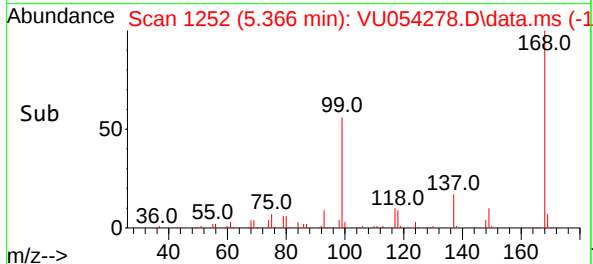
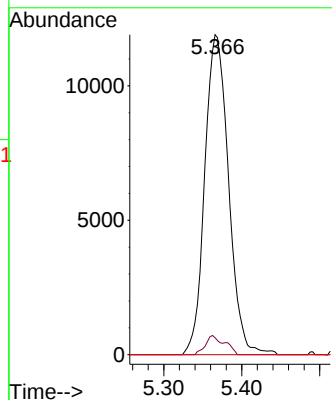
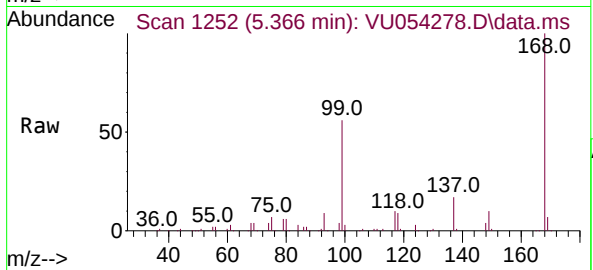




#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

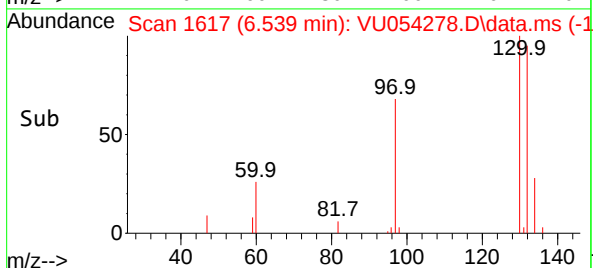
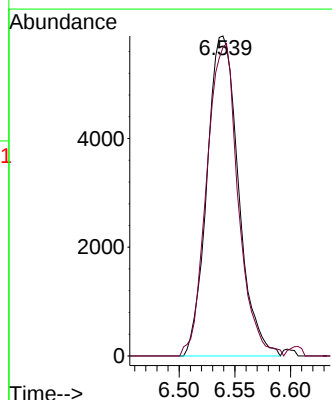
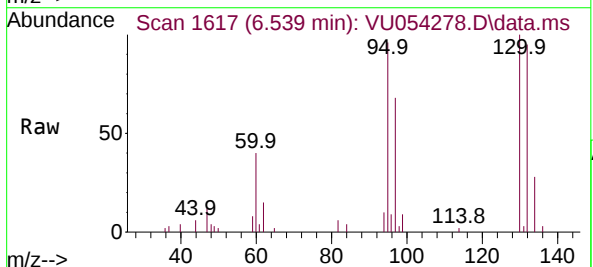
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

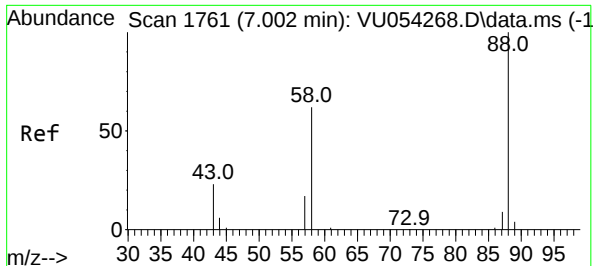
Tgt Ion:117 Resp: 25299
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 3.418 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion:130 Resp: 11571
Ion Ratio Lower Upper
130 100
95 96.3 0.0 184.6





#49

1,4-Dioxane

Concen: 0.481 ug/l

RT: 7.009 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

91BR-20230523

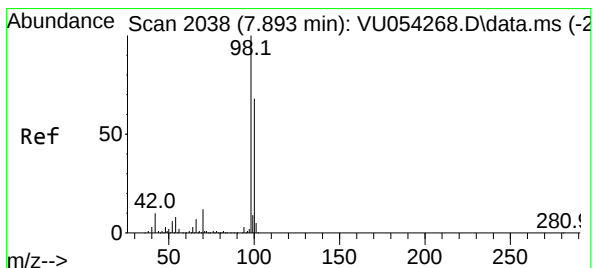
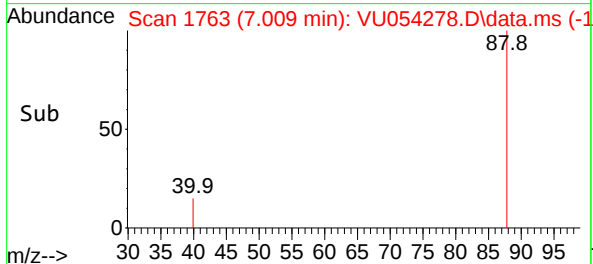
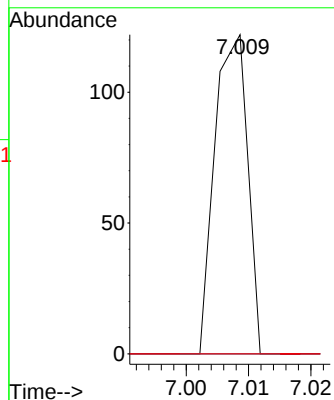
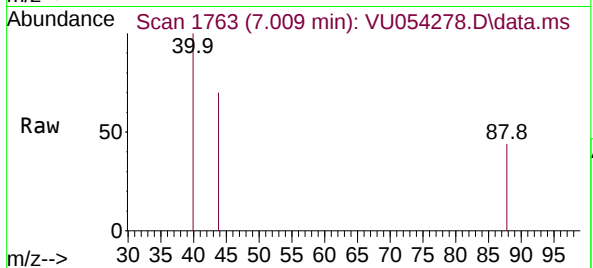
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 15.4 23.0#



#50

Toluene-d8

Concen: 49.363 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054278.D

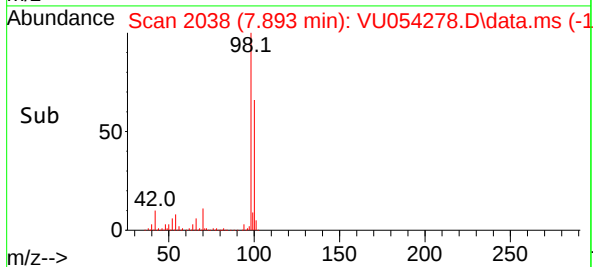
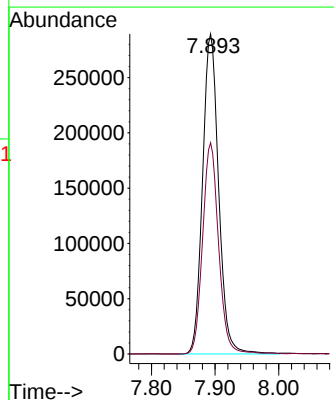
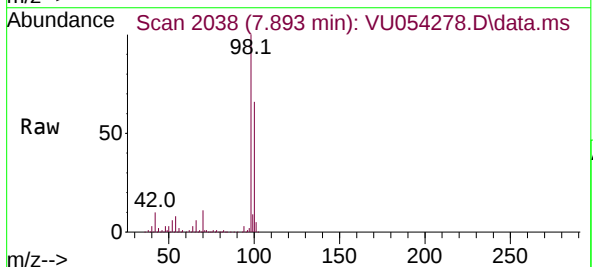
Acq: 26 May 2023 12:17

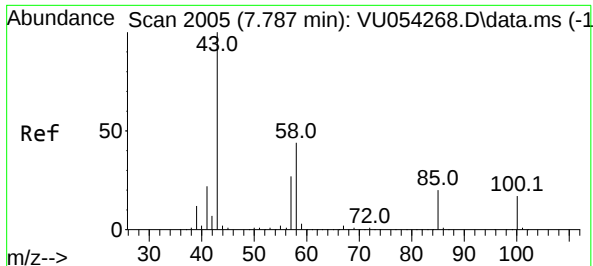
Tgt Ion: 98 Resp: 507584

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5

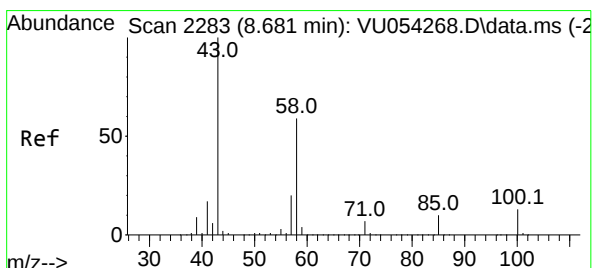
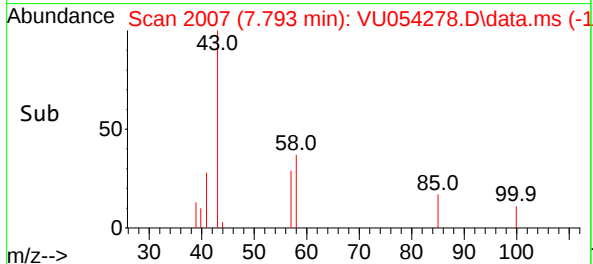
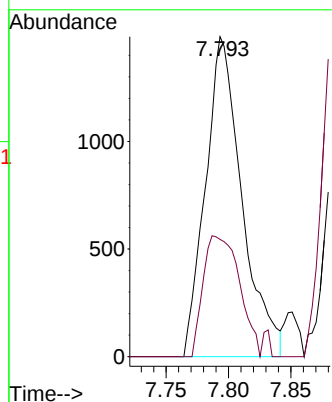
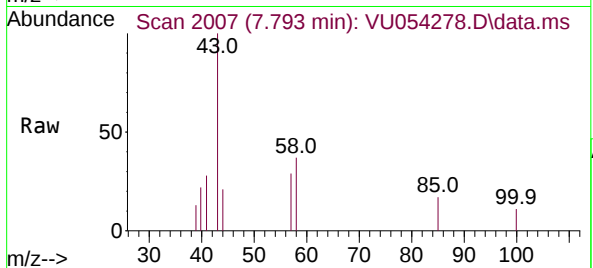




#51
4-Methyl-2-Pentanone
Concen: 0.633 ug/l
RT: 7.793 min Scan# 2005
Delta R.T. 0.006 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

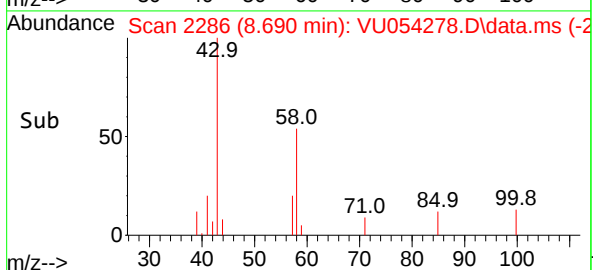
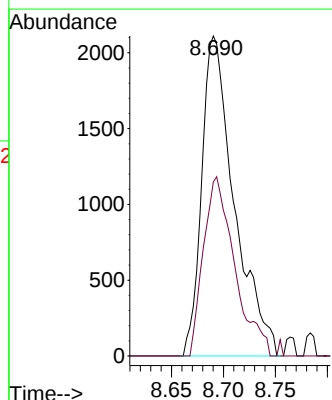
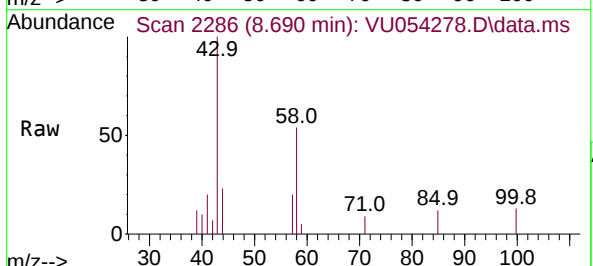
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

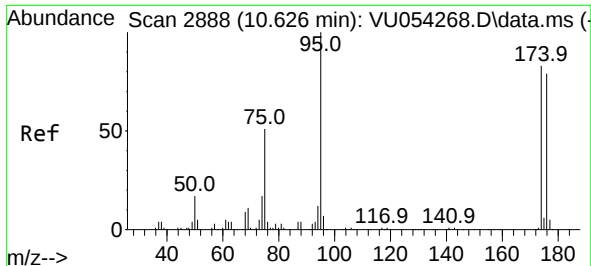
Tgt Ion: 43 Resp: 3016
Ion Ratio Lower Upper
43 100
58 37.7 34.7 52.1



#59
2-Hexanone
Concen: 1.225 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.009 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 43 Resp: 4610
Ion Ratio Lower Upper
43 100
58 53.6 30.3 90.8

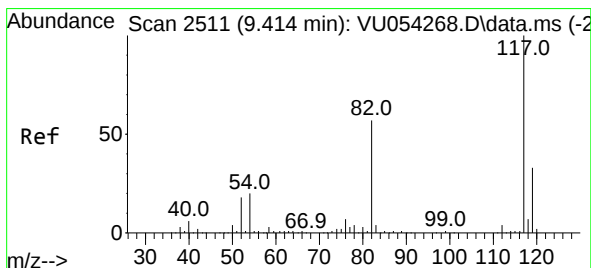
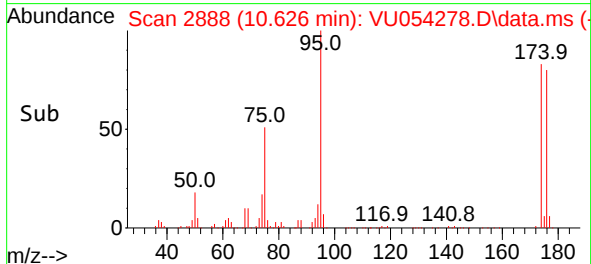
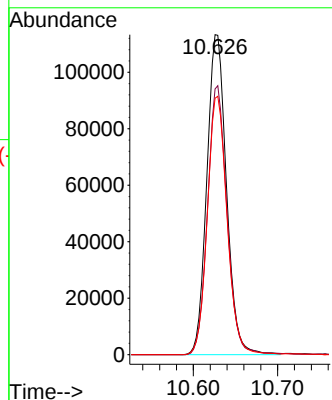
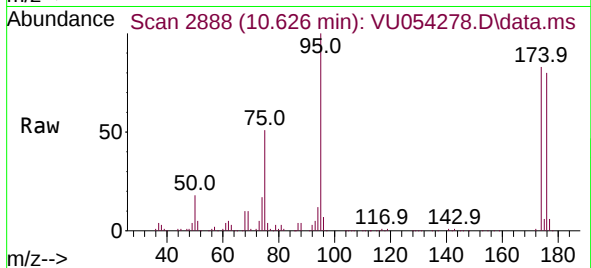




#62
4-Bromofluorobenzene
Concen: 46.116 ug/l
RT: 10.626 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

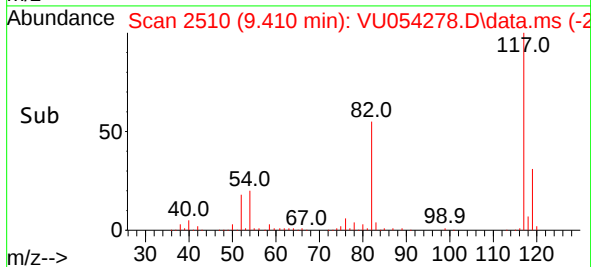
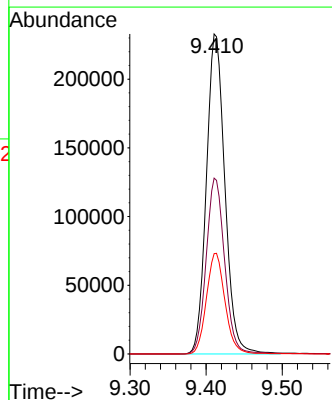
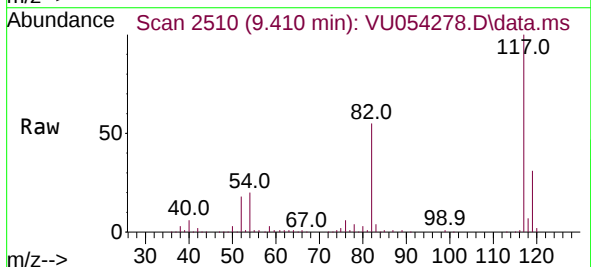
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

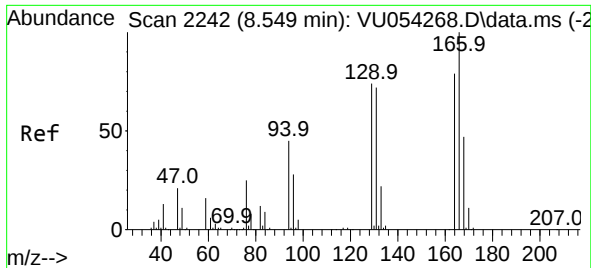
Tgt Ion: 95 Resp: 183866
Ion Ratio Lower Upper
95 100
174 83.4 0.0 182.0
176 81.1 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2510
Delta R.T. -0.004 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 117 Resp: 393155
Ion Ratio Lower Upper
117 100
82 55.0 41.7 62.5
119 31.4 25.7 38.5





#64

Tetrachloroethene

Concen: 0.211 ug/l

RT: 8.546 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054278.D

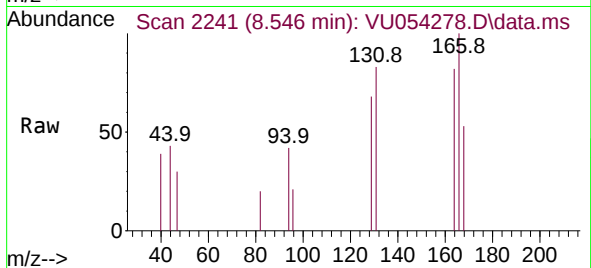
Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

91BR-20230523



Tgt Ion:164 Resp: 624

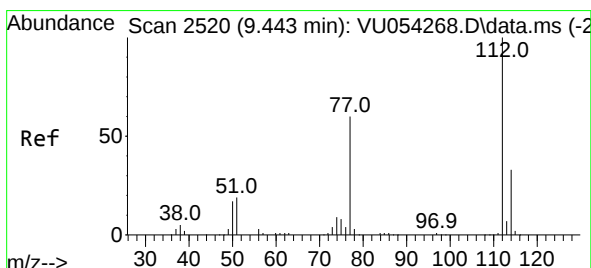
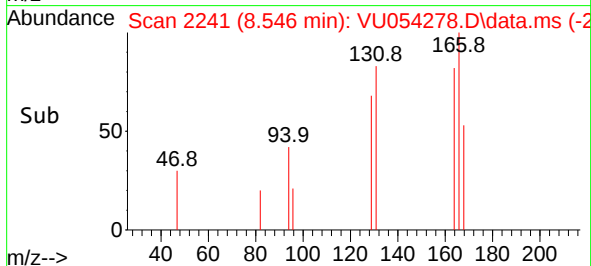
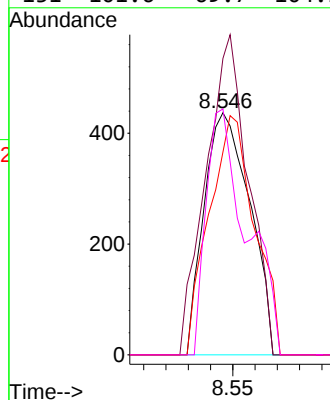
Ion Ratio Lower Upper

164 100

166 122.4 100.0 150.0

129 83.8 72.0 108.0

131 101.6 69.7 104.5



#65

Chlorobenzene

Concen: 0.263 ug/l

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU054278.D

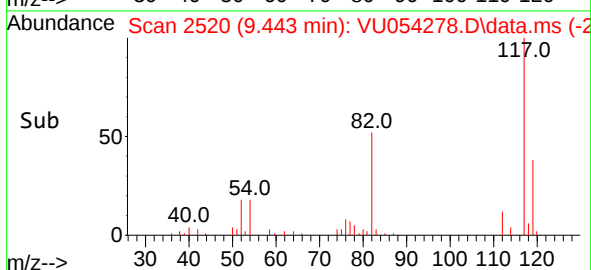
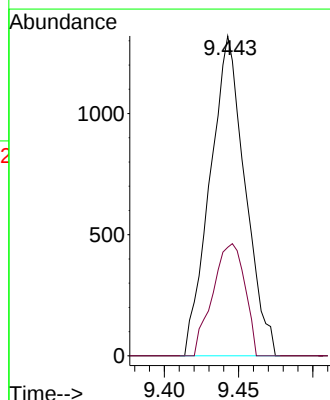
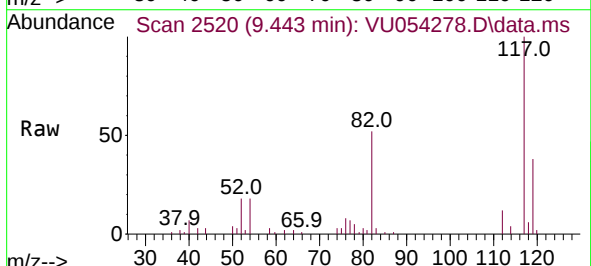
Acq: 26 May 2023 12:17

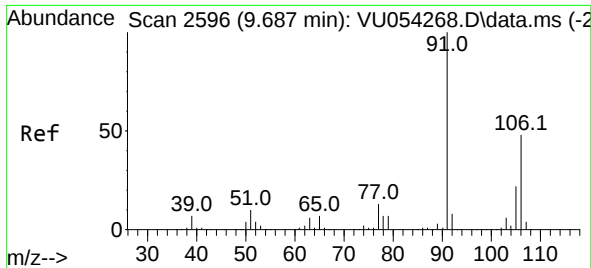
Tgt Ion:112 Resp: 2165

Ion Ratio Lower Upper

112 100

114 33.9 24.9 37.3

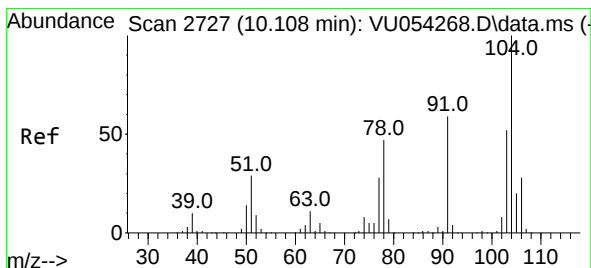
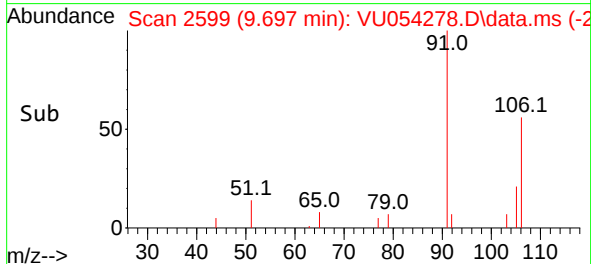
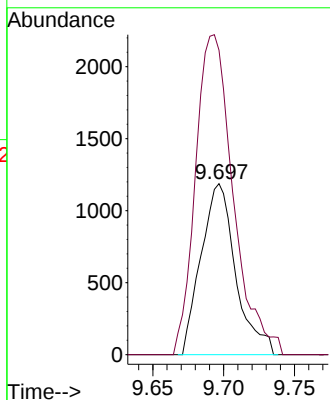
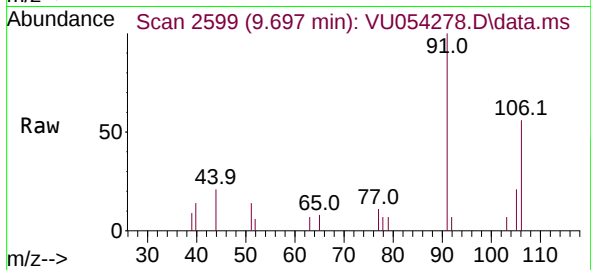




#68
m/p-Xylenes
Concen: 0.379 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

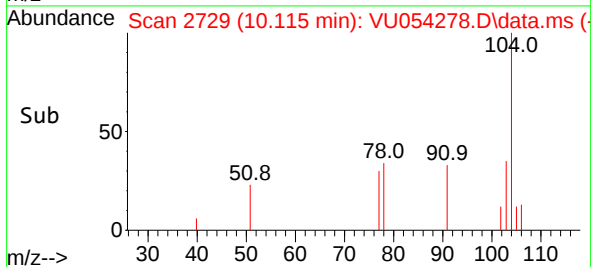
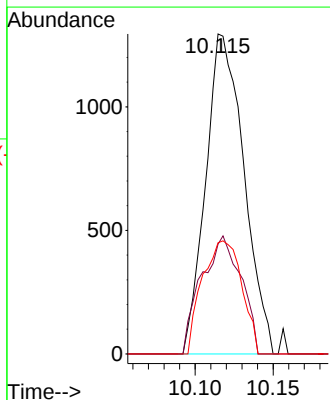
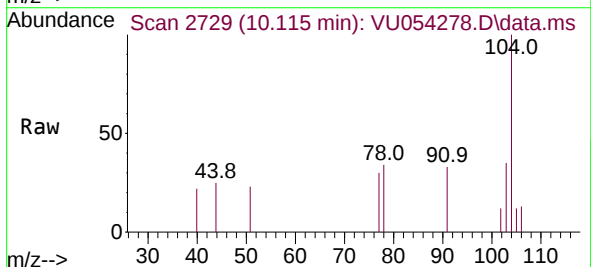
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

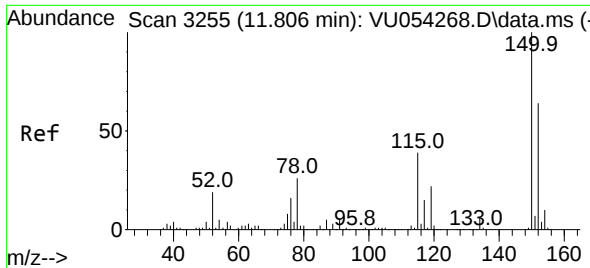
Tgt Ion:106 Resp: 2020
Ion Ratio Lower Upper
106 100
91 203.4 157.2 235.8



#70
Styrene
Concen: 0.258 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. 0.007 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion:104 Resp: 2205
Ion Ratio Lower Upper
104 100
78 38.4 38.0 57.0
103 36.3 43.9 65.9#

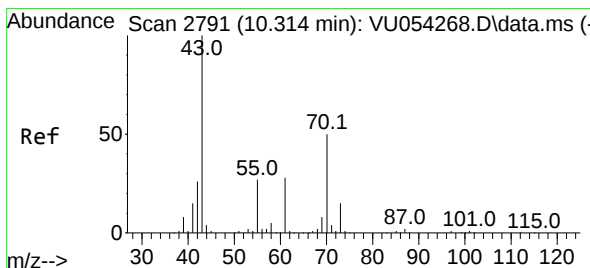
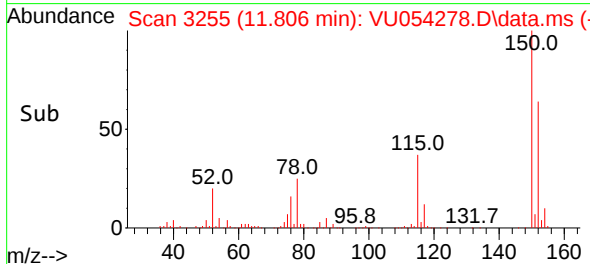
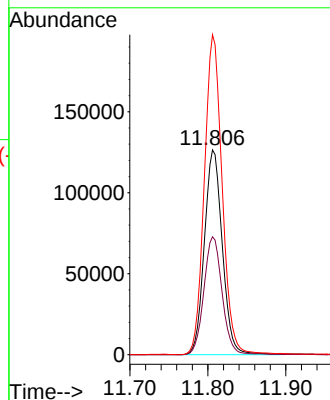
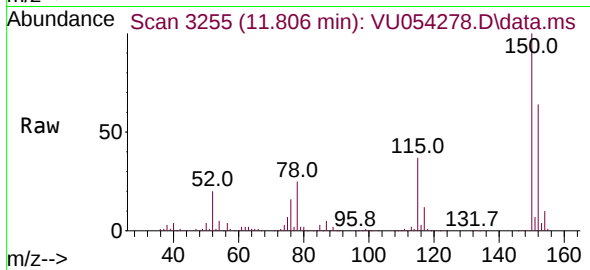




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

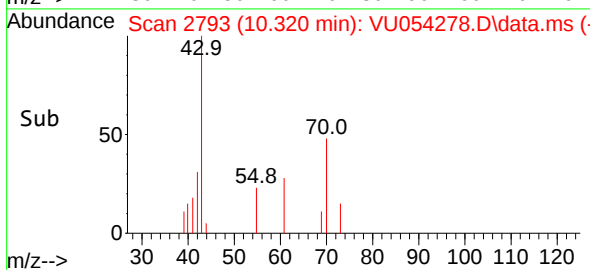
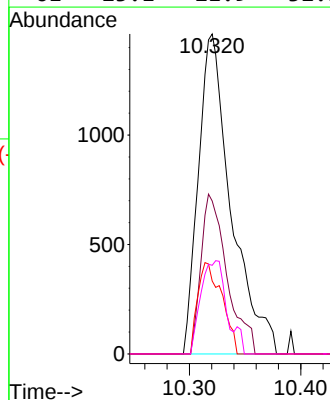
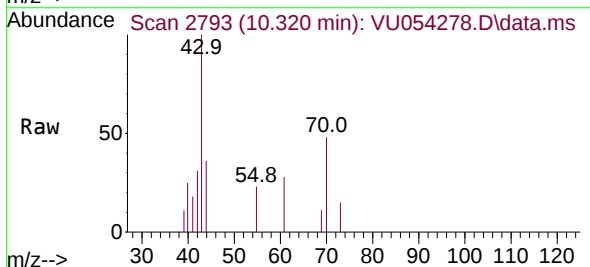
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

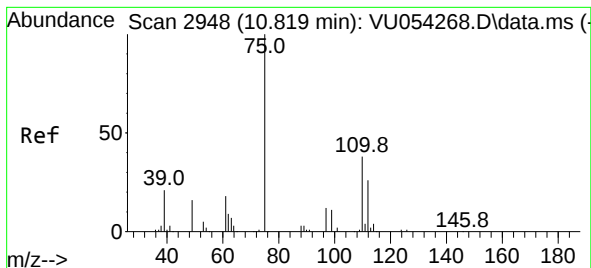
Tgt Ion:152 Resp: 202390
Ion Ratio Lower Upper
152 100
115 58.1 37.0 110.9
150 155.2 0.0 342.2



#74
N-ethyl acetate
Concen: 0.561 ug/l
RT: 10.320 min Scan# 2793
Delta R.T. 0.006 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 43 Resp: 2985
Ion Ratio Lower Upper
43 100
70 39.7 38.7 58.1
55 21.0 21.8 32.8#
61 23.1 21.9 32.9





#76

1,2,3-Trichloropropane

Concen: 15.670 ug/l

RT: 10.626 min Scan# 21

Delta R.T. -0.193 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

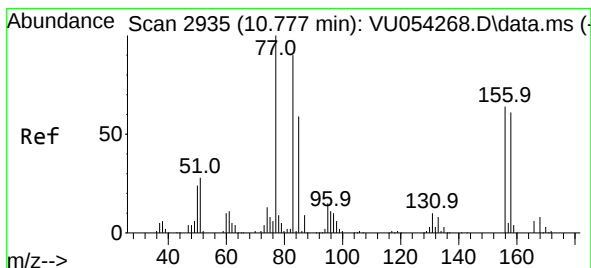
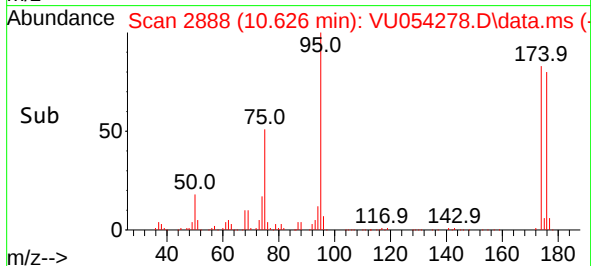
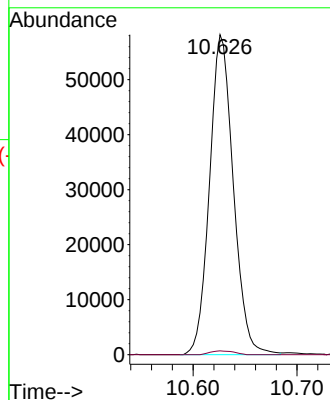
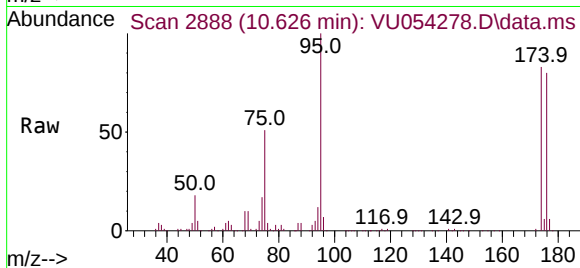
91BR-20230523

Tgt Ion: 75 Resp: 92559

Ion Ratio Lower Upper

75 100

77 1.2 15.8 47.3#



#77

Bromobenzene

Concen: 0.358 ug/l

RT: 10.783 min Scan# 2937

Delta R.T. 0.006 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

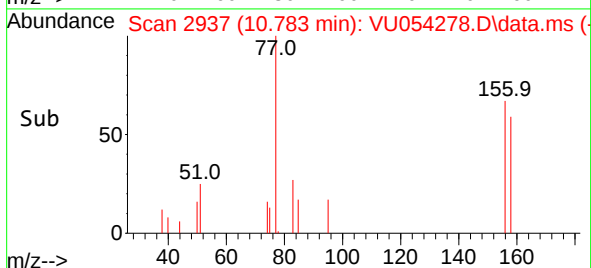
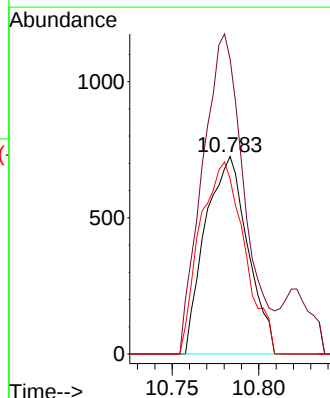
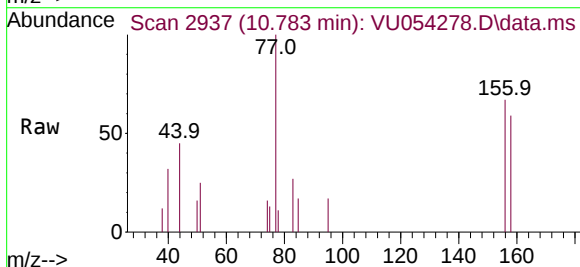
Tgt Ion:156 Resp: 1232

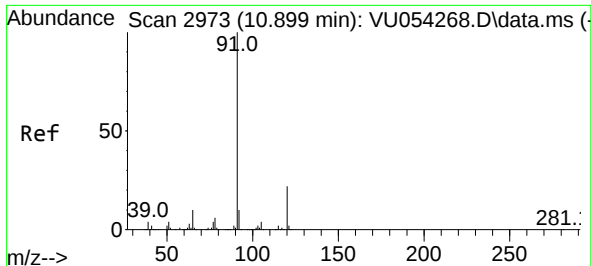
Ion Ratio Lower Upper

156 100

77 160.0 71.9 215.6

158 102.4 48.9 146.8

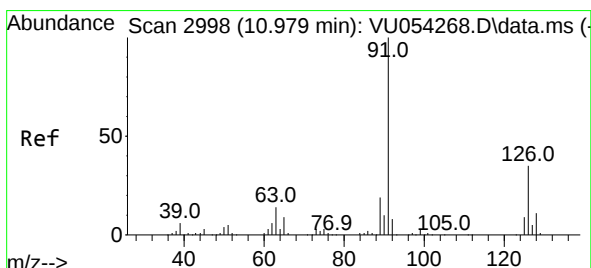
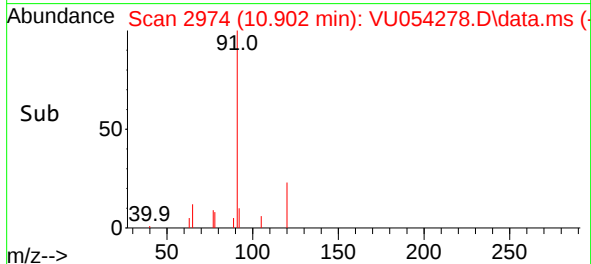
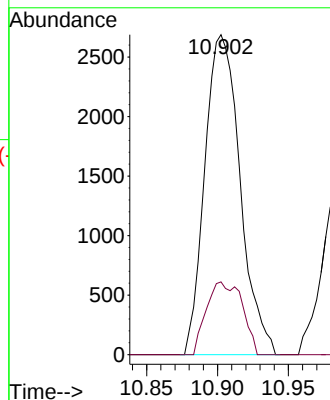
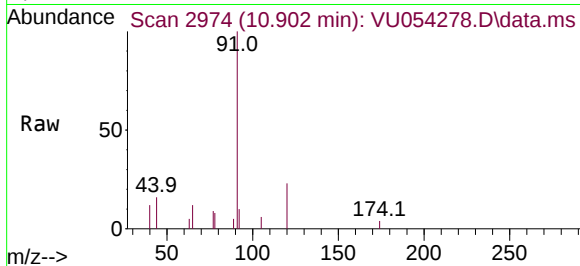




#78
n-propylbenzene
Concen: 0.303 ug/l
RT: 10.902 min Scan# 2974
Delta R.T. 0.003 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

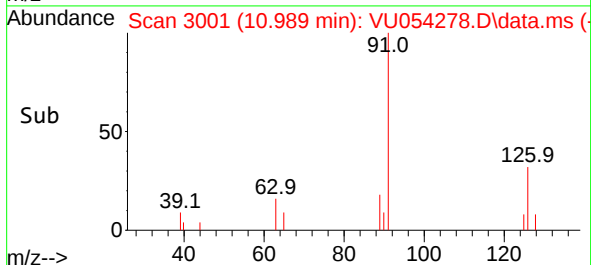
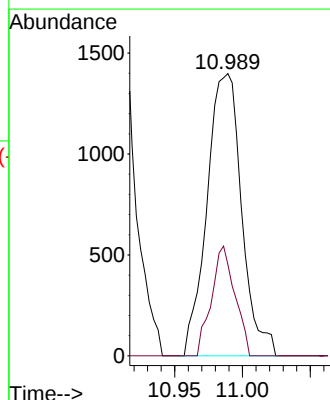
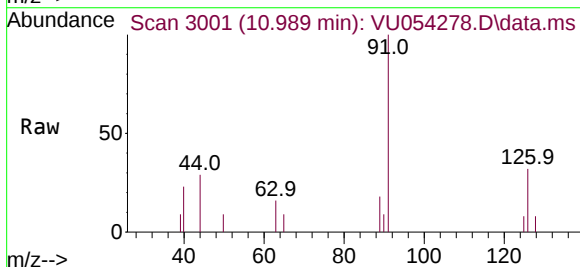
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

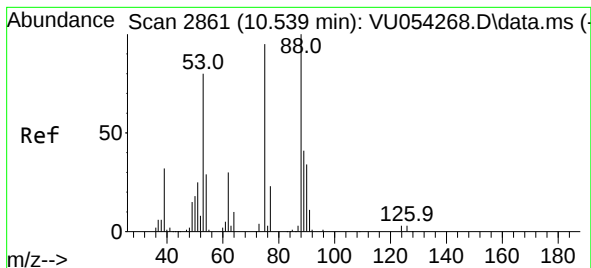
Tgt Ion: 91 Resp: 4654
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.268 ug/l
RT: 10.989 min Scan# 3001
Delta R.T. 0.010 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 91 Resp: 2487
Ion Ratio Lower Upper
91 100
126 26.3 18.4 55.0

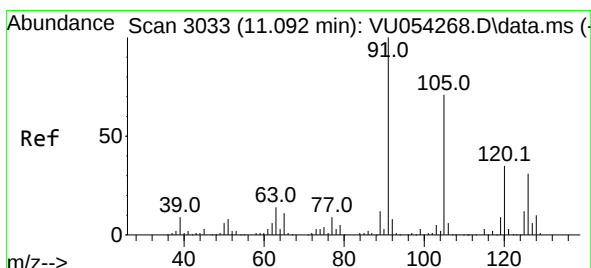
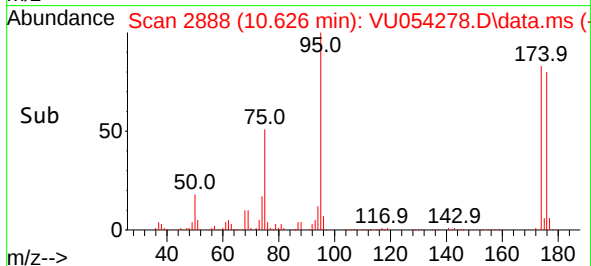
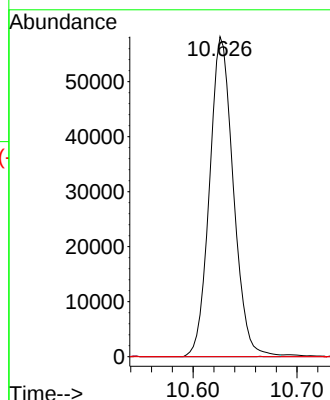
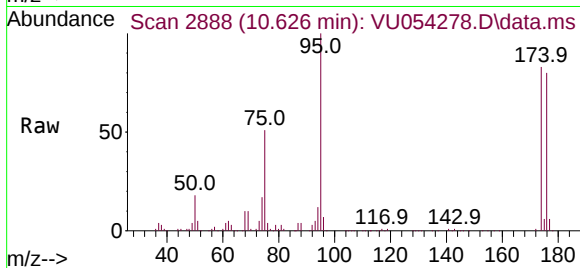




#81
trans-1,4-Dichloro-2-butene
Concen: 59.669 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

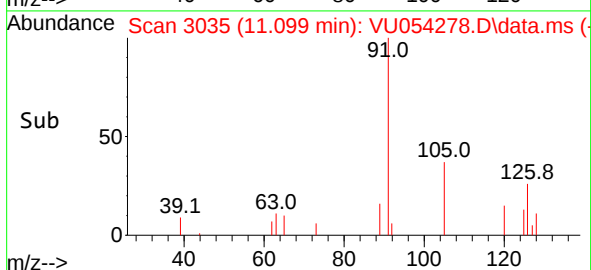
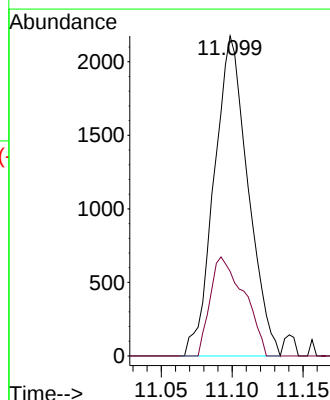
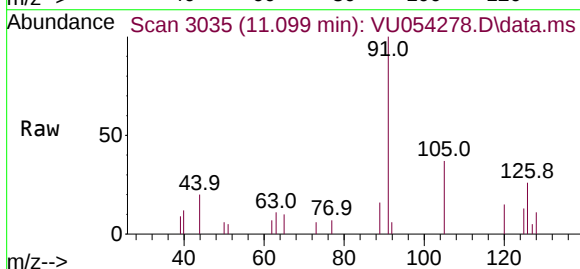
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

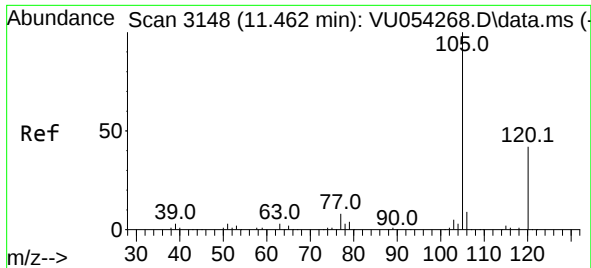
Tgt Ion: 75 Resp: 92559
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 0.331 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. 0.006 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 91 Resp: 3613
Ion Ratio Lower Upper
91 100
126 31.1 16.1 48.2

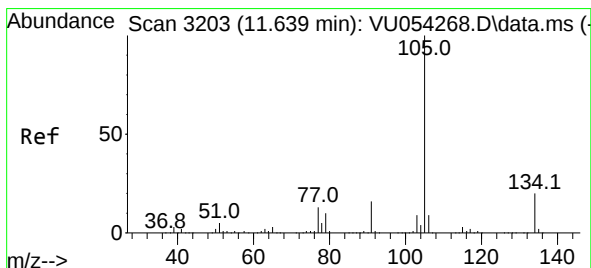
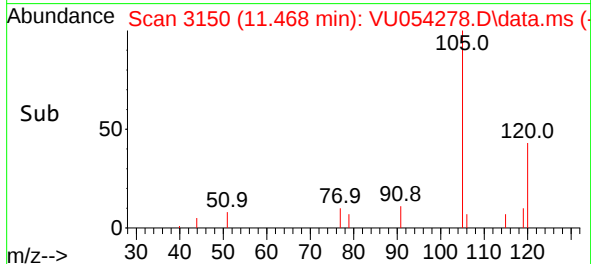
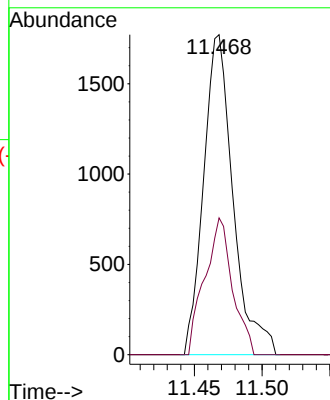
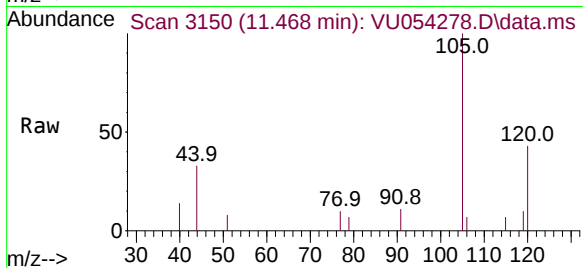




#84
1,2,4-Trimethylbenzene
Concen: 0.253 ug/l
RT: 11.468 min Scan# 3148
Delta R.T. 0.006 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

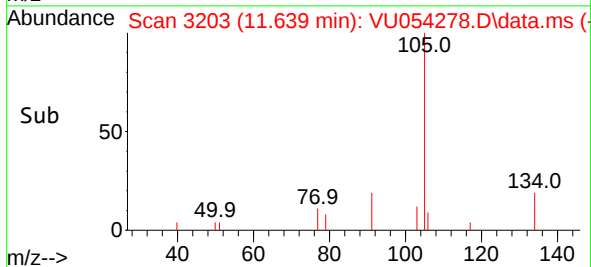
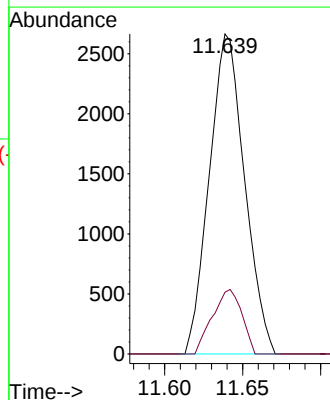
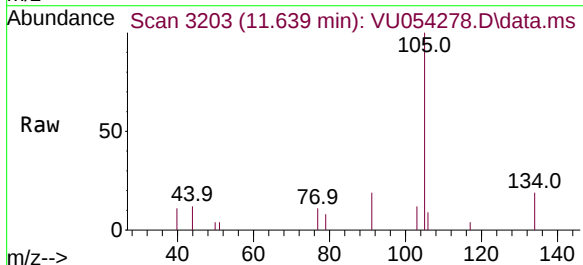
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

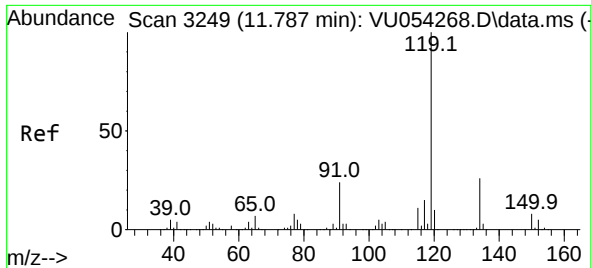
Tgt Ion:105 Resp: 2682
Ion Ratio Lower Upper
105 100
120 40.2 23.4 70.3



#85
sec-Butylbenzene
Concen: 0.309 ug/l
RT: 11.639 min Scan# 3203
Delta R.T. -0.000 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion:105 Resp: 4184
Ion Ratio Lower Upper
105 100
134 16.8 10.4 31.1

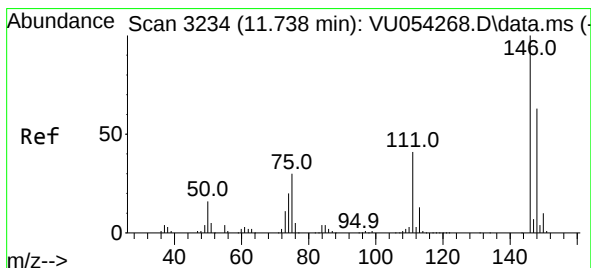
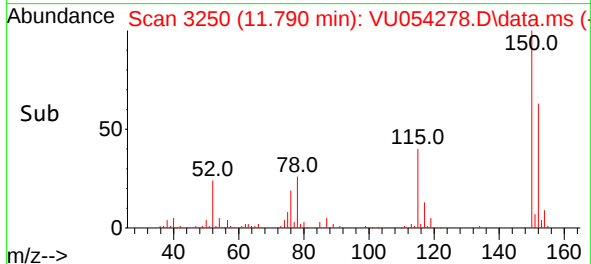
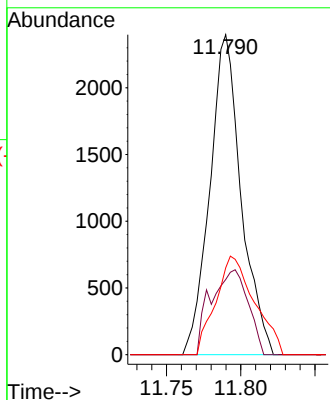
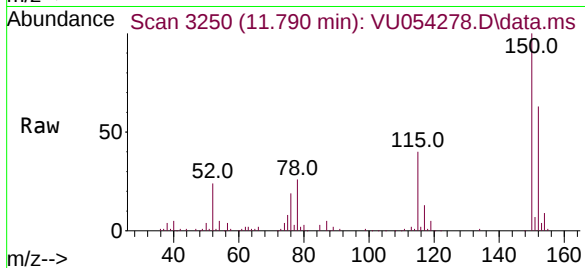




#86
p-Isopropyltoluene
Concen: 0.310 ug/l
RT: 11.790 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

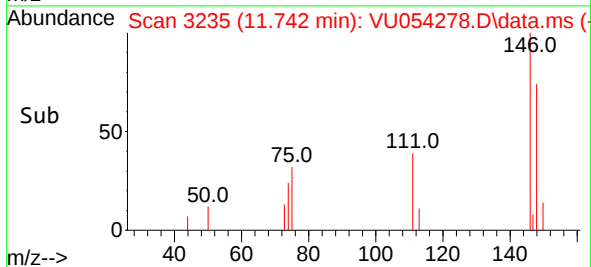
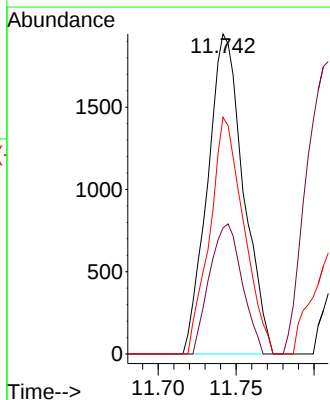
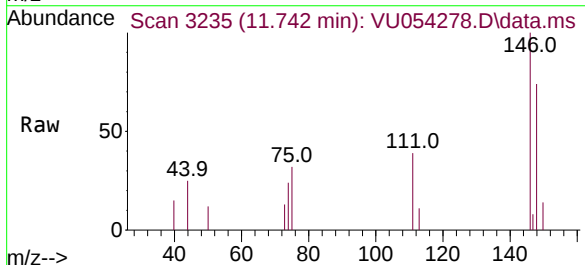
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

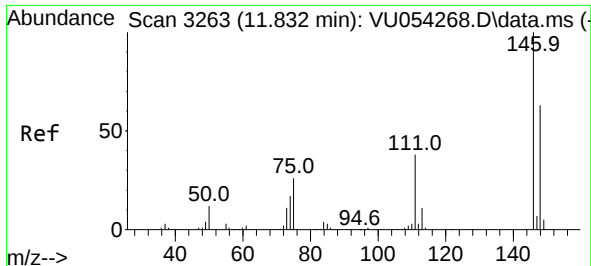
Tgt Ion:119 Resp: 3521
Ion Ratio Lower Upper
119 100
134 31.5 13.5 40.4
91 38.0 11.2 33.5#



#87
1,3-Dichlorobenzene
Concen: 0.468 ug/l
RT: 11.742 min Scan# 3235
Delta R.T. 0.004 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion:146 Resp: 3118
Ion Ratio Lower Upper
146 100
111 36.9 18.9 56.5
148 69.9 31.9 95.9





#88

1,4-Dichlorobenzene

Concen: 0.448 ug/l

RT: 11.742 min Scan# 31

Delta R.T. -0.090 min

Lab File: VU054278.D

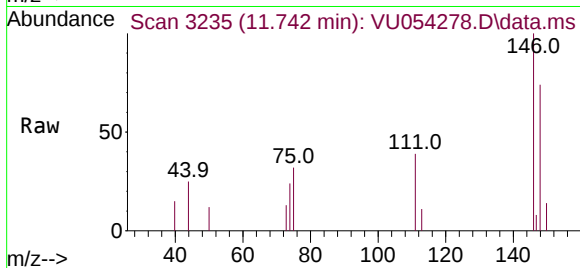
Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

91BR-20230523



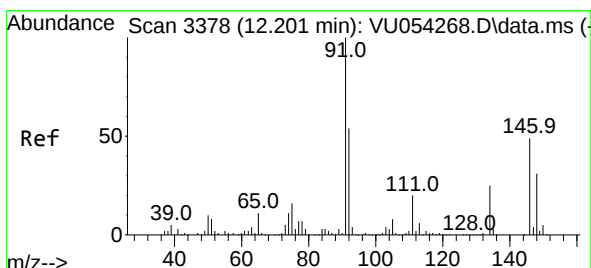
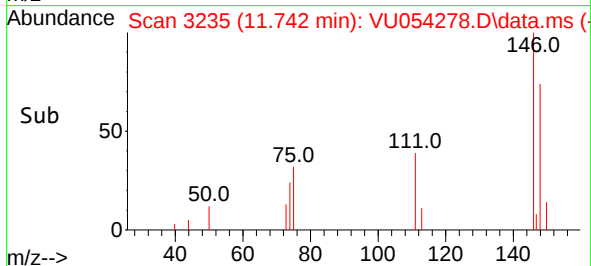
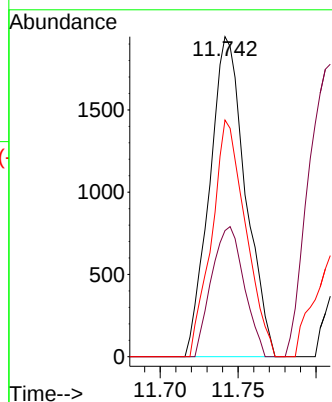
Tgt Ion:146 Resp: 3118

Ion Ratio Lower Upper

146 100

111 36.9 18.5 55.5

148 69.9 31.9 95.7



#89

n-Butylbenzene

Concen: 0.543 ug/l

RT: 12.208 min Scan# 3380

Delta R.T. 0.007 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

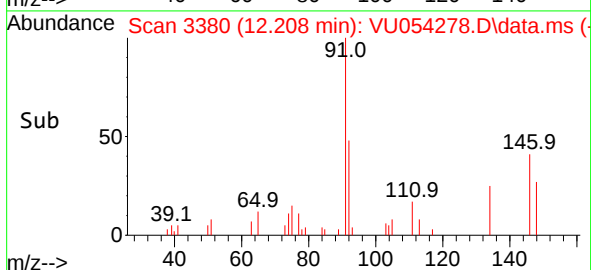
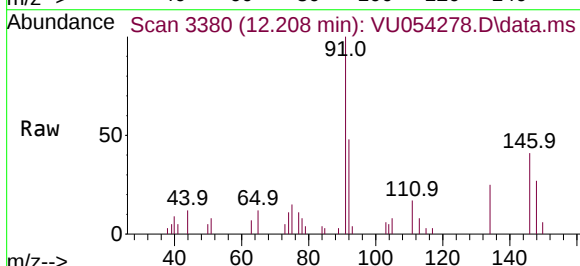
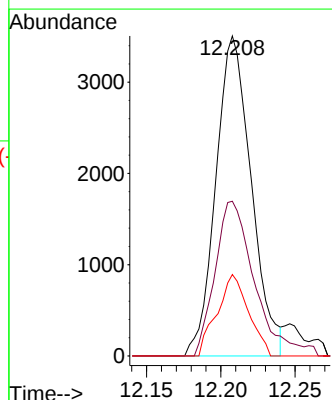
Tgt Ion: 91 Resp: 5816

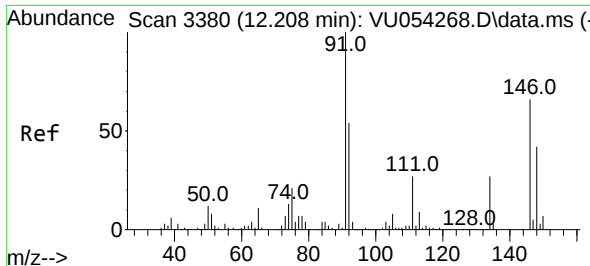
Ion Ratio Lower Upper

91 100

92 54.0 26.2 78.6

134 22.6 13.5 40.4

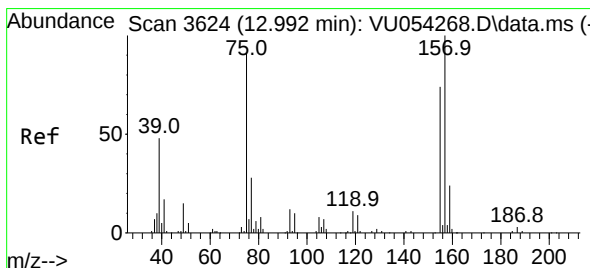
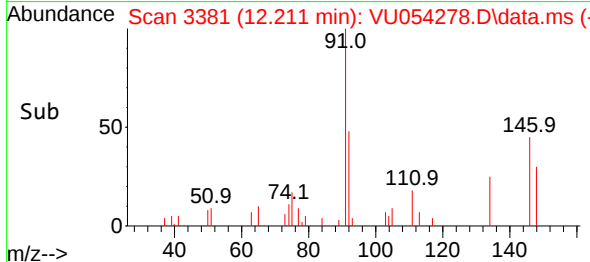
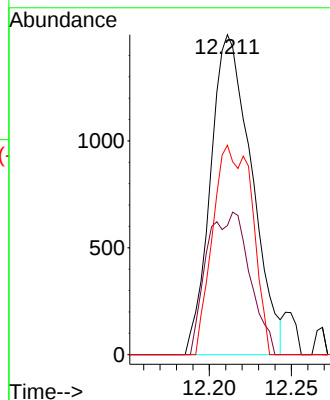
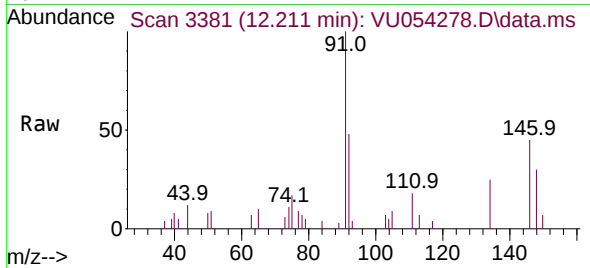




#91
1,2-Dichlorobenzene
Concen: 0.396 ug/l
RT: 12.211 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

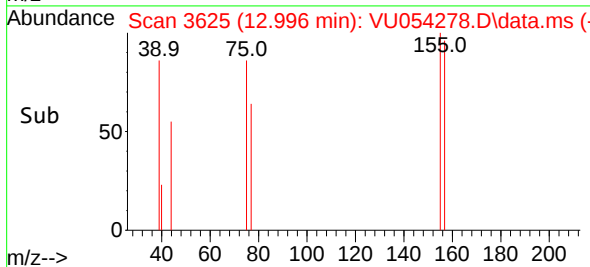
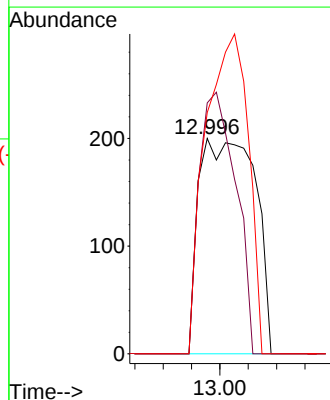
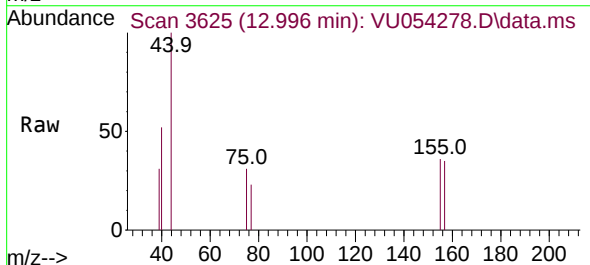
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

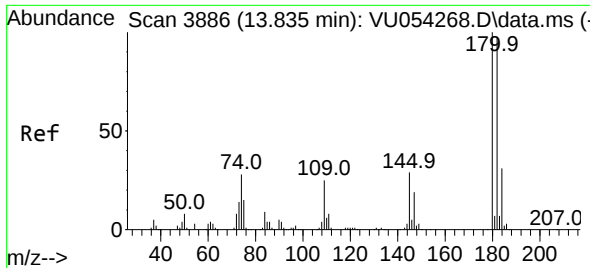
Tgt Ion:146 Resp: 2598
Ion Ratio Lower Upper
146 100
111 20.2 19.9 59.6
148 62.9 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.238 ug/l
RT: 12.996 min Scan# 3625
Delta R.T. 0.004 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion: 75 Resp: 275
Ion Ratio Lower Upper
75 100
155 79.3 47.8 143.4
157 113.5 62.2 186.5

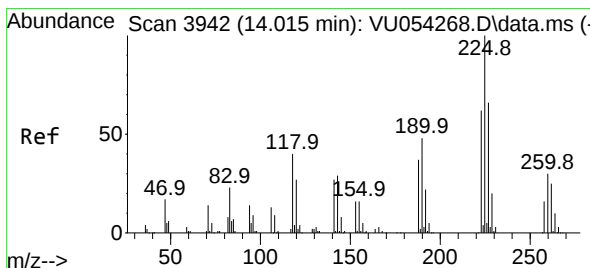
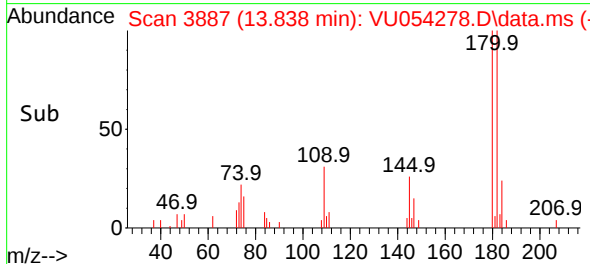
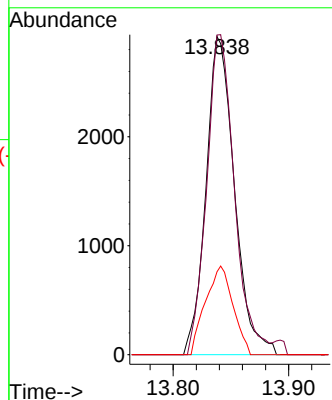
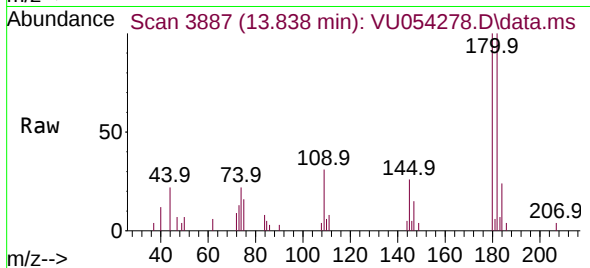




#93
1,2,4-Trichlorobenzene
Concen: 2.683 ug/l
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

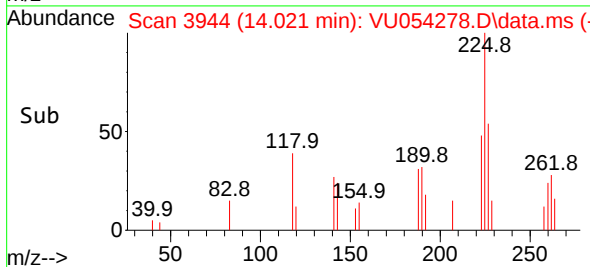
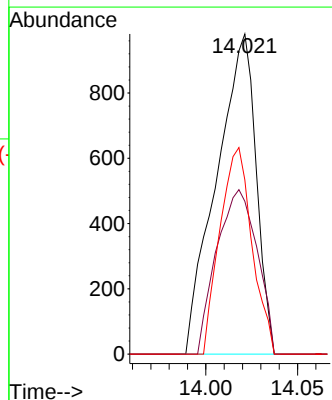
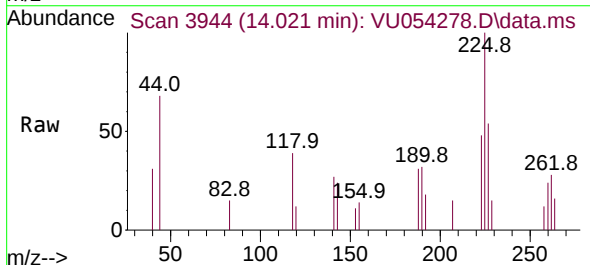
Instrument :
MSVOA_U
ClientSampleId :
91BR-20230523

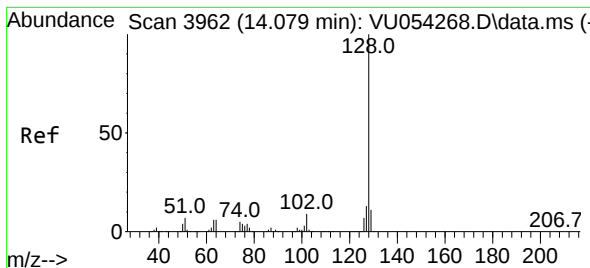
Tgt Ion:180 Resp: 5006
Ion Ratio Lower Upper
180 100
182 97.9 47.9 143.6
145 26.8 14.0 41.9



#94
Hexachlorobutadiene
Concen: 1.489 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.006 min
Lab File: VU054278.D
Acq: 26 May 2023 12:17

Tgt Ion:225 Resp: 1466
Ion Ratio Lower Upper
225 100
223 52.7 31.3 93.9
227 52.5 32.0 96.2





#95

Naphthalene

Concen: 3.298 ug/l

RT: 14.086 min Scan# 3962

Delta R.T. 0.007 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

Instrument :

MSVOA_U

ClientSampleId :

91BR-20230523

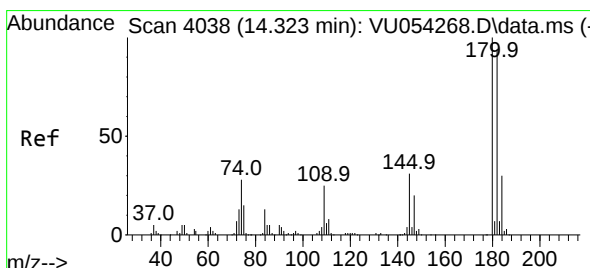
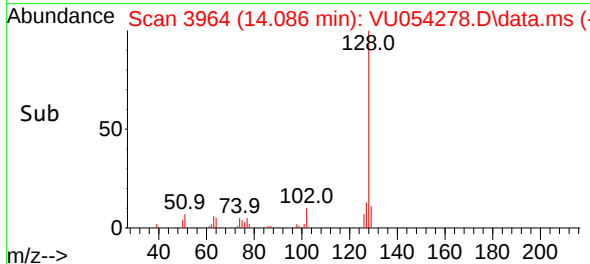
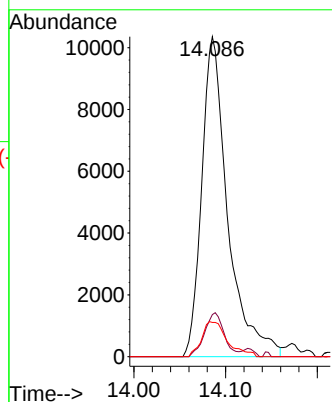
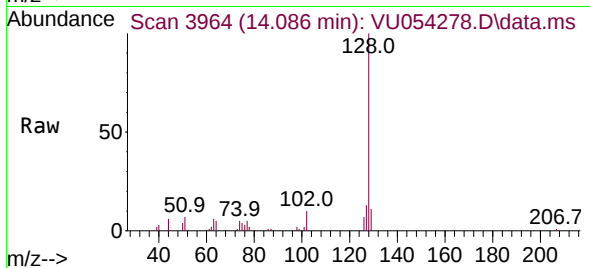
Tgt Ion:128 Resp: 20378

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.456 ug/l

RT: 14.330 min Scan# 4040

Delta R.T. 0.007 min

Lab File: VU054278.D

Acq: 26 May 2023 12:17

Tgt Ion:180 Resp: 5684

Ion Ratio Lower Upper

180 100

182 99.1 48.4 145.0

145 30.9 14.8 44.4

