

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076777.D
 Acq On : 22 Feb 2023 17:40
 Operator : JC\MD
 Sample : 01655-09 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31962

Quant Time: Feb 22 23:58:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

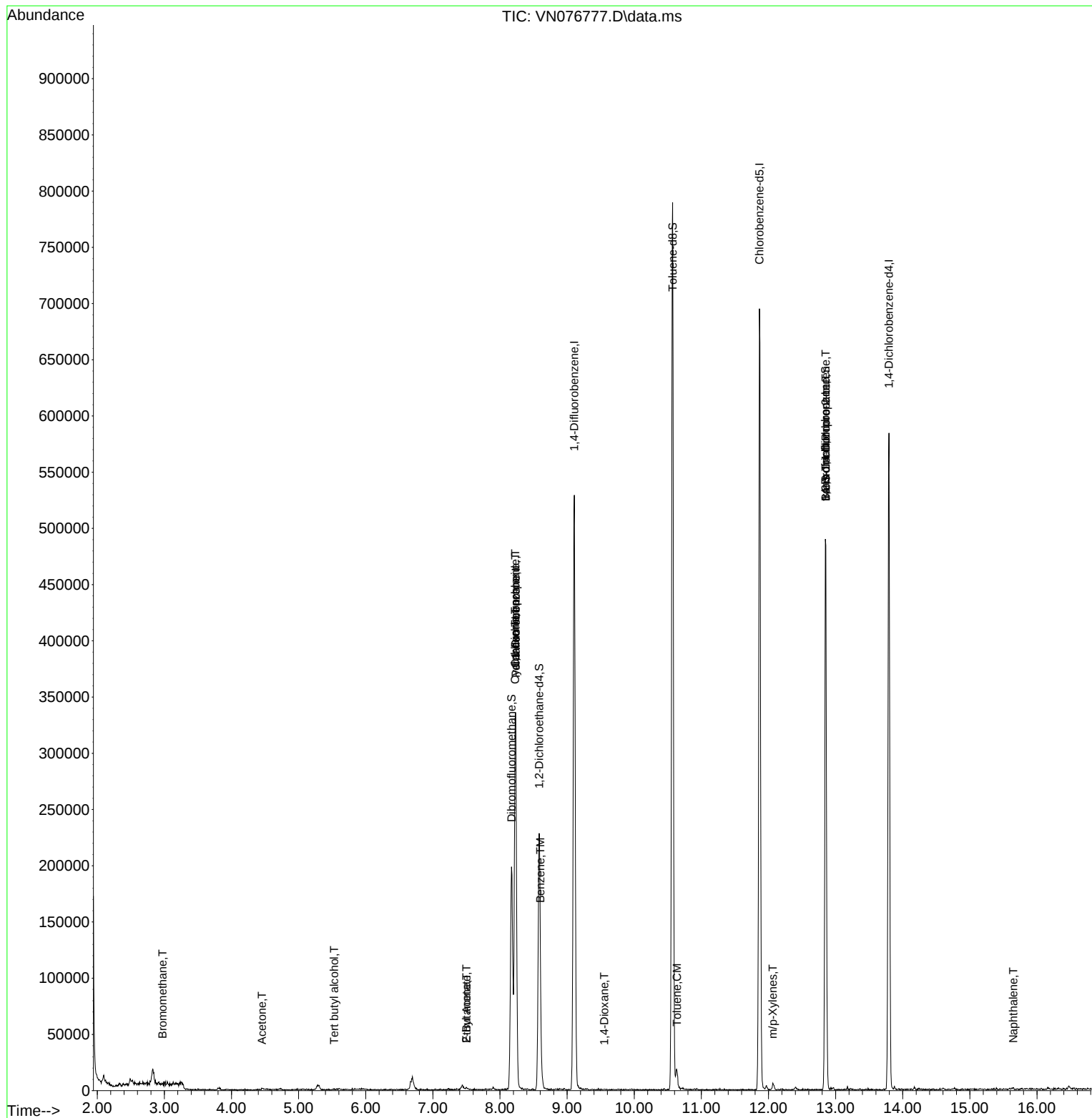
Internal Standards						
1) Pentafluorobenzene	8.236	168	245062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	437596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	381348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	148152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	177953	52.587	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.180%	
35) Dibromofluoromethane	8.172	113	133828	46.699	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.400%	
50) Toluene-d8	10.572	98	534836	49.974	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.940%	
62) 4-Bromofluorobenzene	12.848	95	155180	43.779	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.560%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	642	0.317	ug/l #	71
11) Tert butyl alcohol	5.531	59	189	0.423	ug/l #	25
16) Acetone	4.454	43	2487	1.645	ug/l #	81
25) 2-Butanone	7.501	43	3189	1.430	ug/l #	35
31) Cyclohexane	8.225	56	7853	1.479	ug/l #	27
36) 1,1-Dichloropropene	8.231	75	24757	5.979	ug/l #	50
37) Ethyl Acetate	7.501	43	3189	0.732	ug/l #	71
38) Carbon Tetrachloride	8.231	117	26266	6.288	ug/l #	18
40) Benzene	8.601	78	11558	0.909	ug/l #	87
49) 1,4-Dioxane	9.554	88	66	1.134	ug/l #	1
52) Toluene	10.636	92	7164	0.933	ug/l	97
68) m/p-Xylenes	12.066	106	1587	0.299	ug/l #	72
71) Bromoform	12.854	173	1769	0.822	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	90664	30.270	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	90664	88.162	ug/l #	4
95) Naphthalene	15.648	128	1706	0.215	ug/l #	85

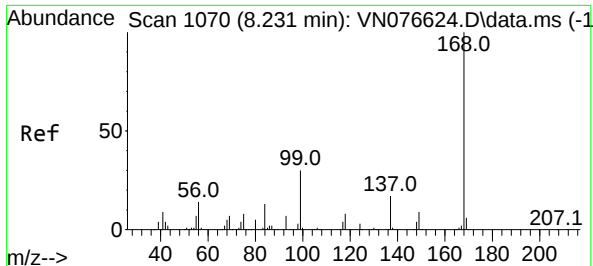
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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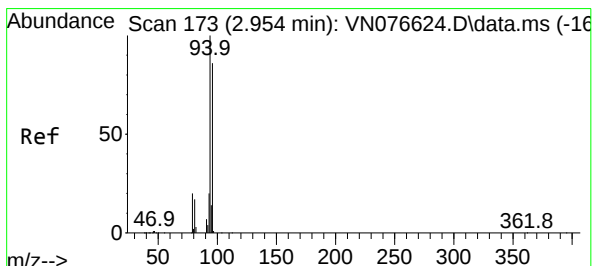
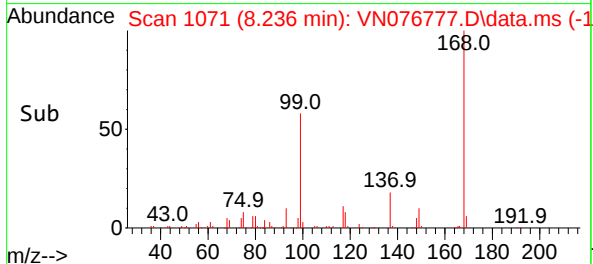
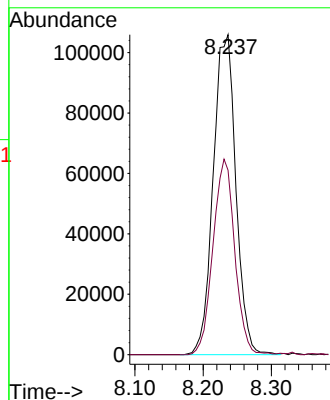
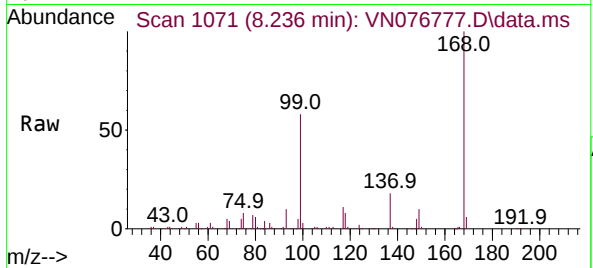




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

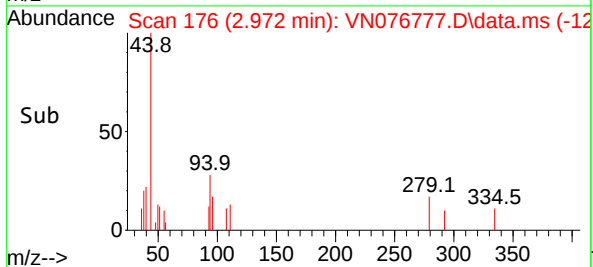
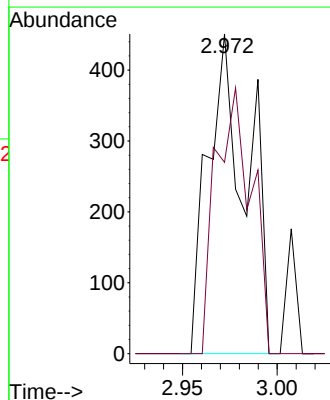
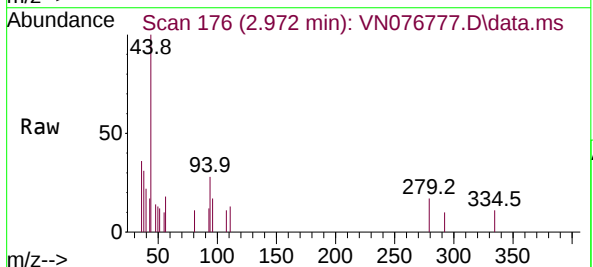
Instrument :
MSVOA_N
ClientSampleId :
31962

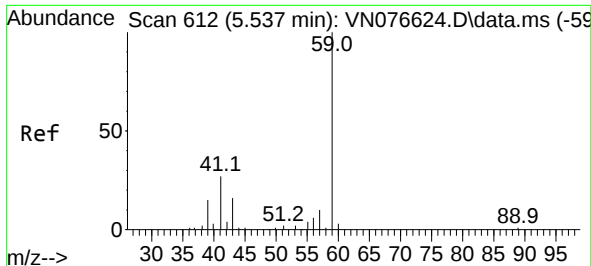
Tgt Ion:168 Resp: 245062
Ion Ratio Lower Upper
168 100
99 57.6 44.8 67.2



#5
Bromomethane
Concen: 0.317 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

Tgt Ion: 94 Resp: 642
Ion Ratio Lower Upper
94 100
96 59.9 69.0 103.4#





#11

Tert butyl alcohol

Concen: 0.423 ug/l

RT: 5.531 min Scan# 611

Delta R.T. -0.006 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

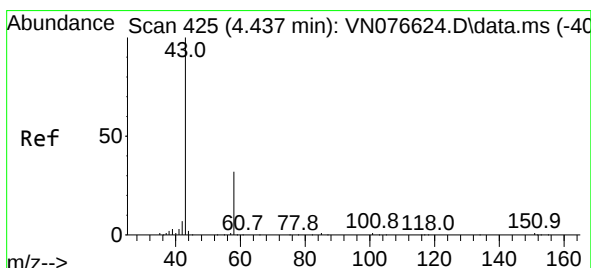
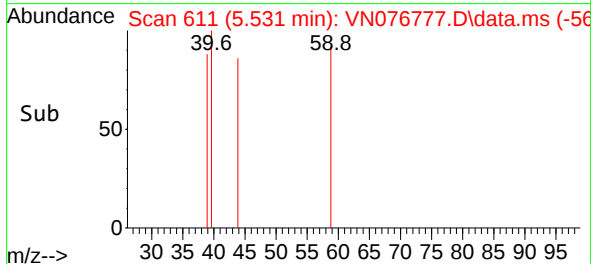
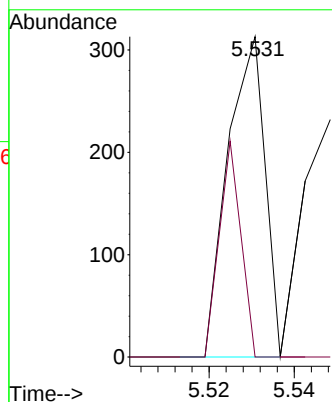
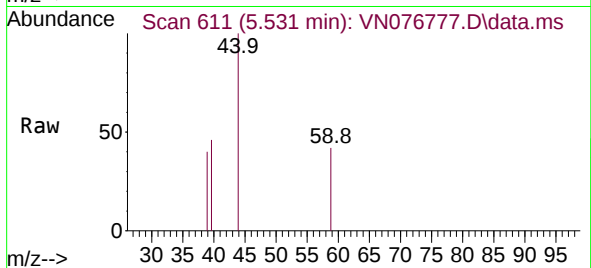
31962

Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

59 100

57 39.2 8.7 13.1#



#16

Acetone

Concen: 1.645 ug/l

RT: 4.454 min Scan# 428

Delta R.T. 0.017 min

Lab File: VN076777.D

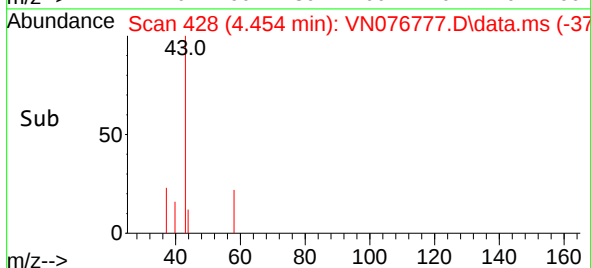
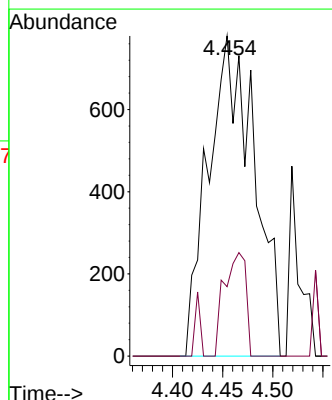
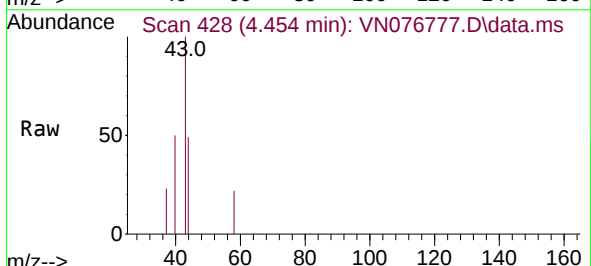
Acq: 22 Feb 2023 17:40

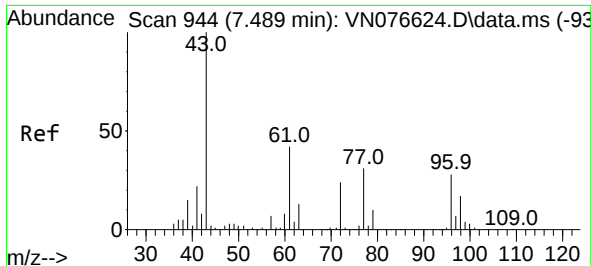
Tgt Ion: 43 Resp: 2487

Ion Ratio Lower Upper

43 100

58 21.7 25.9 38.9#

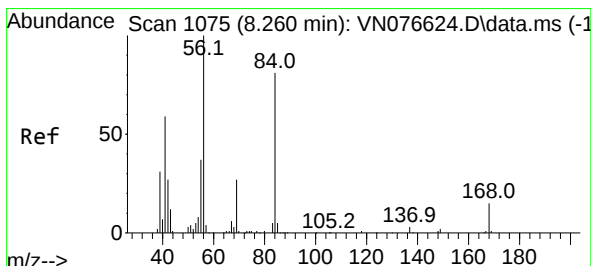
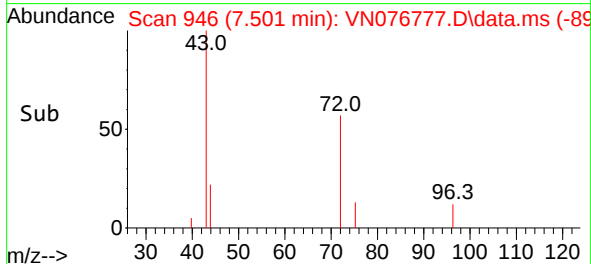
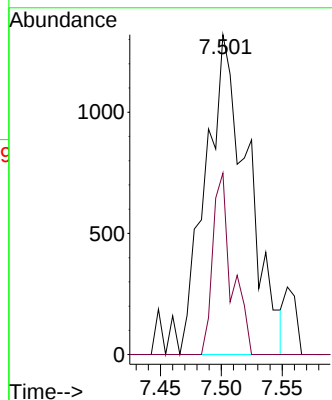
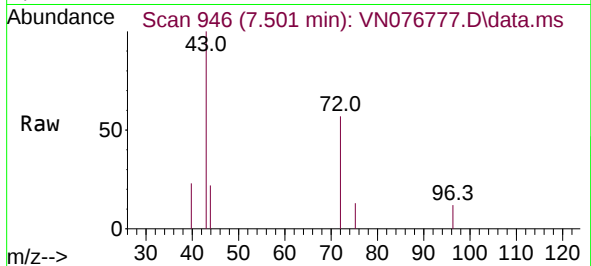




#25
2-Butanone
Concen: 1.430 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

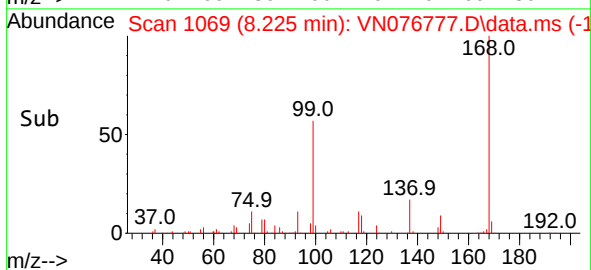
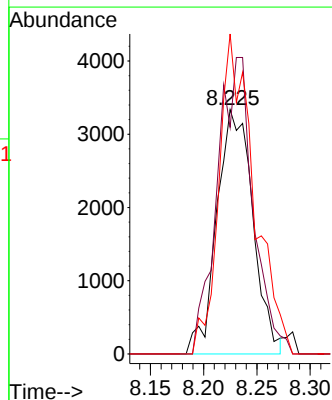
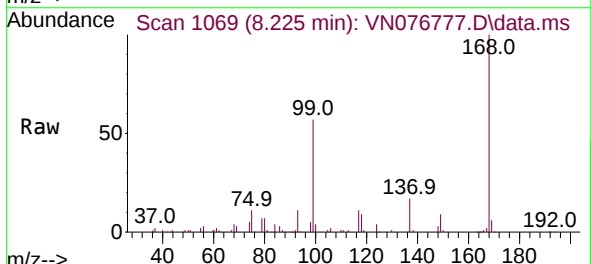
Instrument :
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31962

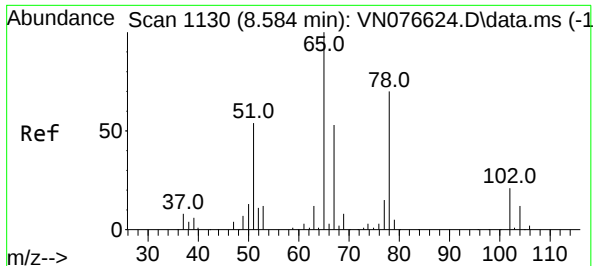
Tgt Ion: 43 Resp: 3189
Ion Ratio Lower Upper
43 100
72 56.7 19.4 29.2#



#31
Cyclohexane
Concen: 1.479 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

Tgt Ion: 56 Resp: 7853
Ion Ratio Lower Upper
56 100
69 92.7 21.6 32.4#
84 131.0 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 52.587 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

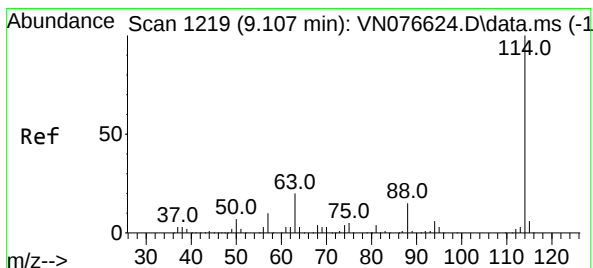
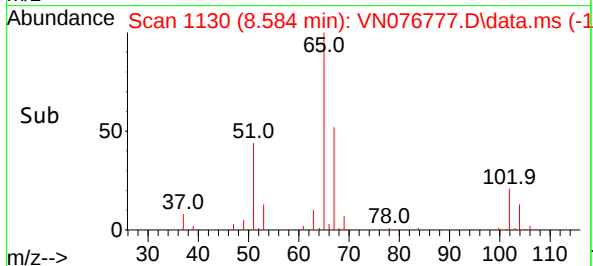
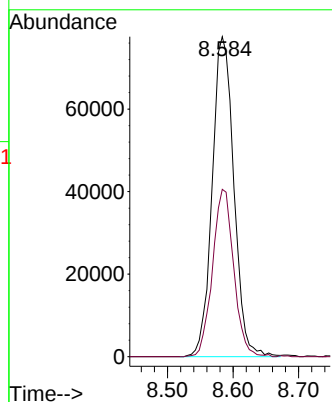
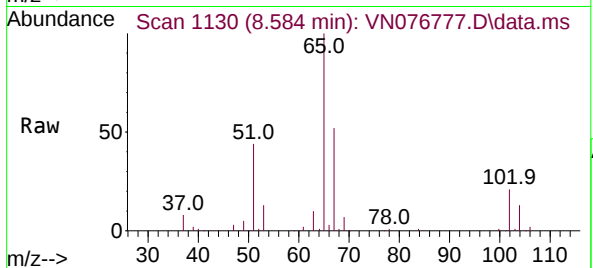
31962

Tgt Ion: 65 Resp: 177953

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

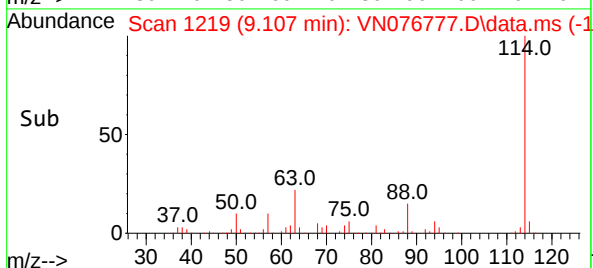
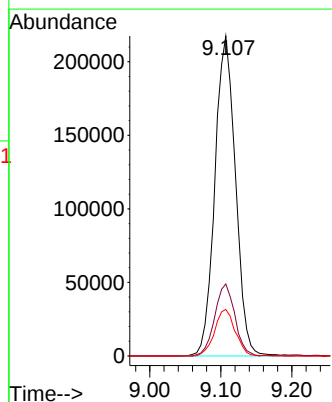
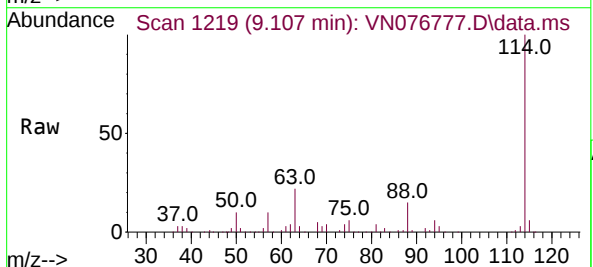
Tgt Ion: 114 Resp: 437596

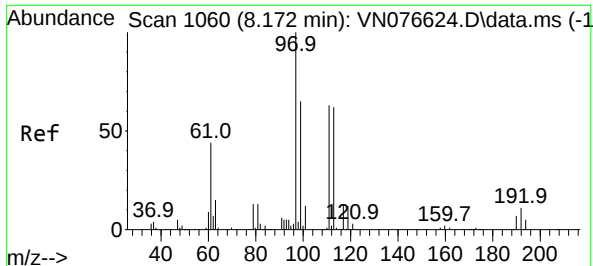
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 46.699 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

Instrument :

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ClientSampleId :

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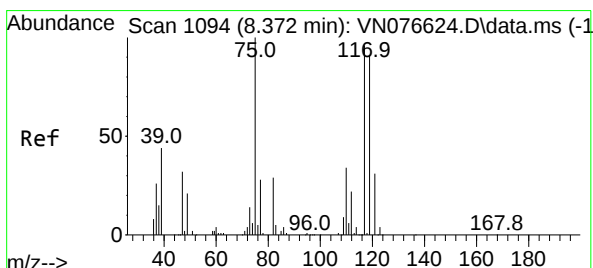
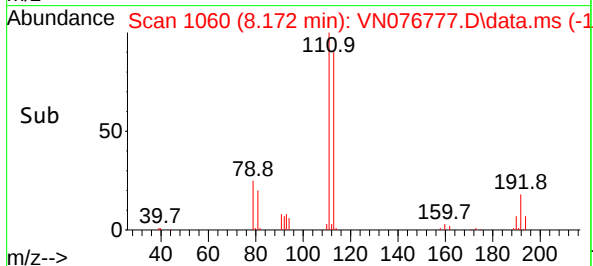
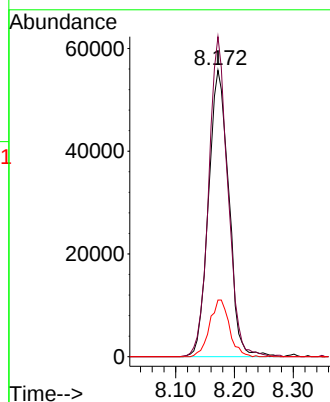
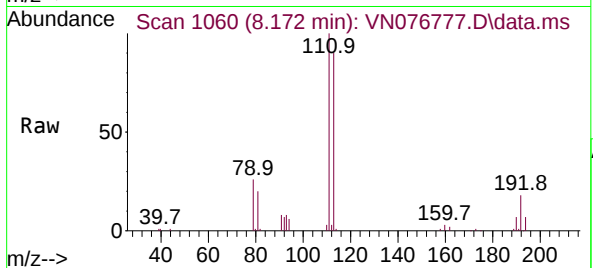
Tgt Ion:113 Resp: 133828

Ion Ratio Lower Upper

113 100

111 105.4 83.1 124.7

192 19.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.979 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

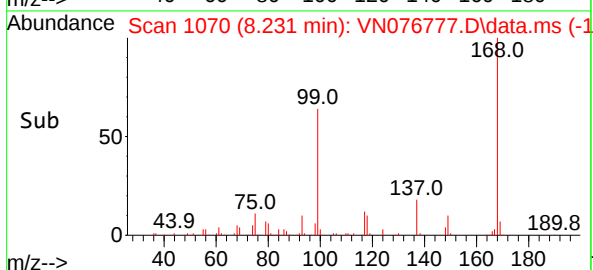
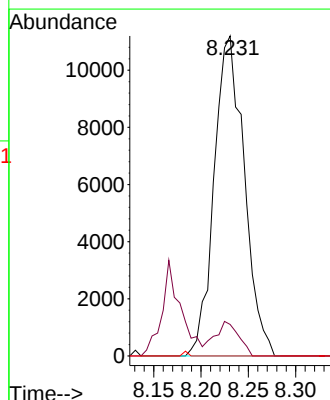
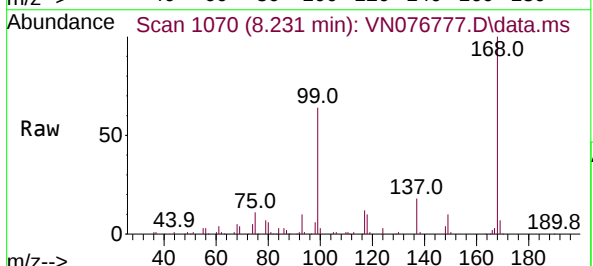
Tgt Ion: 75 Resp: 24757

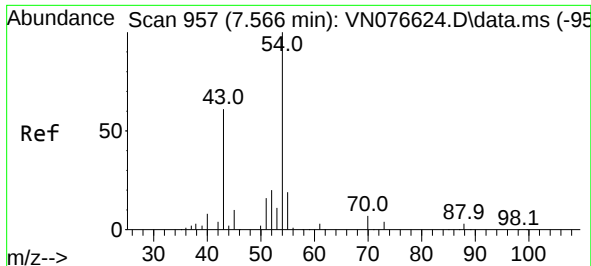
Ion Ratio Lower Upper

75 100

110 8.6 17.5 52.5#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.732 ug/l

RT: 7.501 min Scan# 94

Delta R.T. -0.065 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

Instrument :

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31962

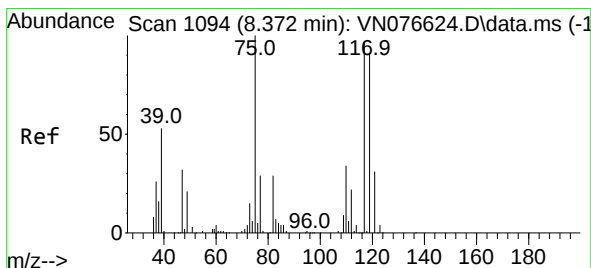
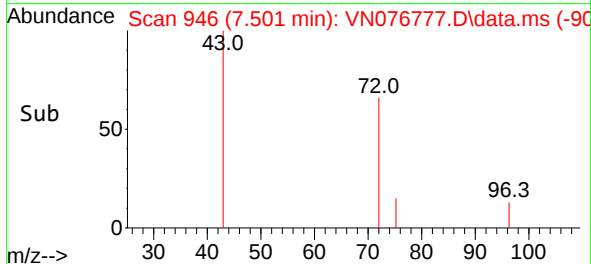
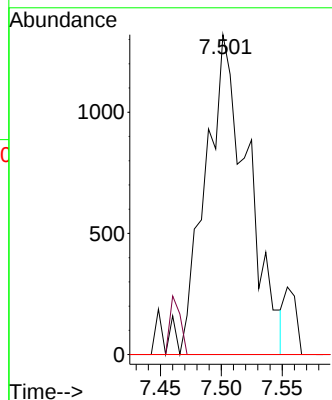
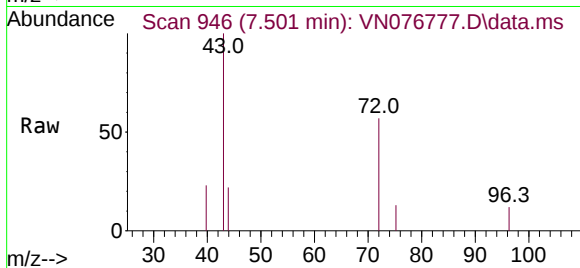
Tgt Ion: 43 Resp: 3189

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 6.288 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

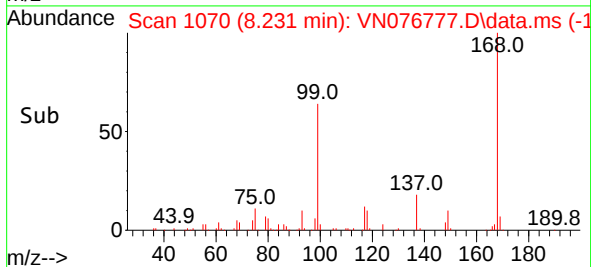
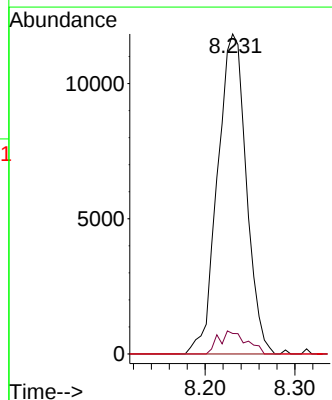
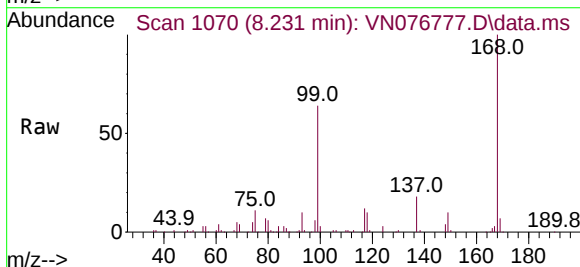
Tgt Ion: 117 Resp: 26266

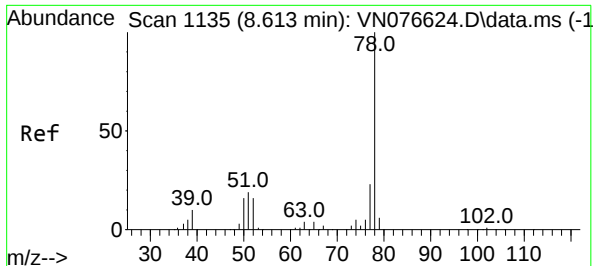
Ion Ratio Lower Upper

117 100

119 6.4 75.4 113.0#

121 0.0 26.0 39.0#

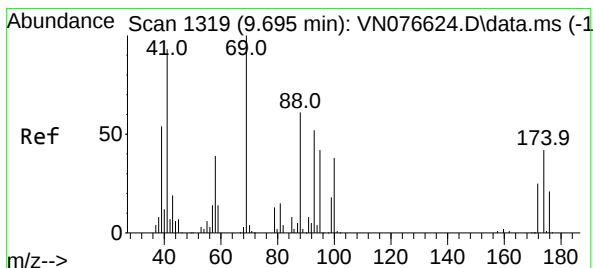
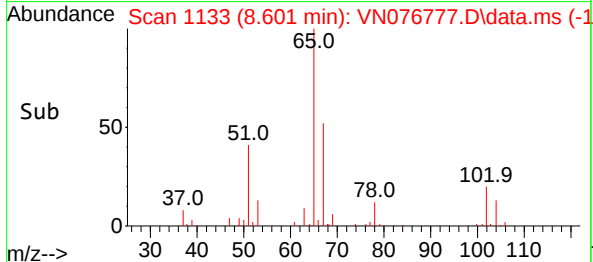
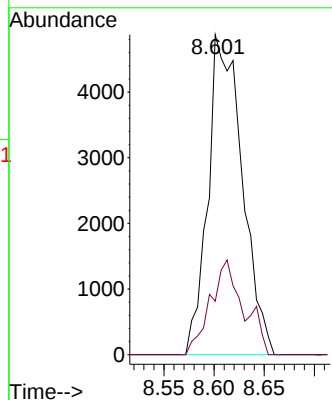
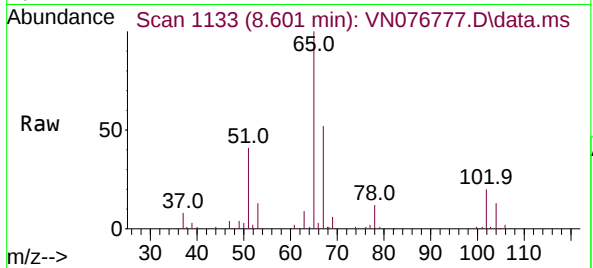




#40
Benzene
Concen: 0.909 ug/l
RT: 8.601 min Scan# 1135
Delta R.T. -0.012 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

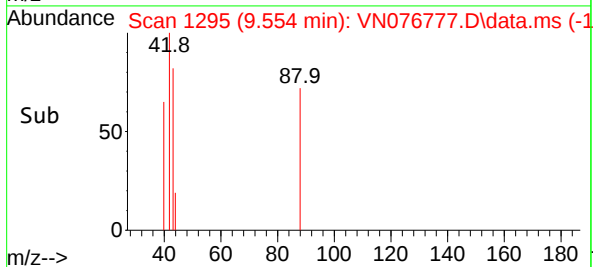
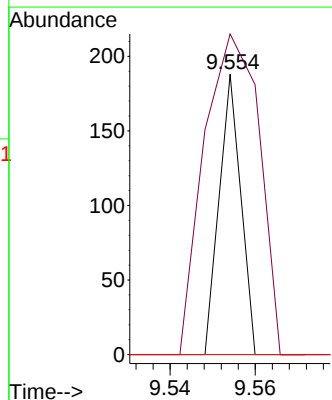
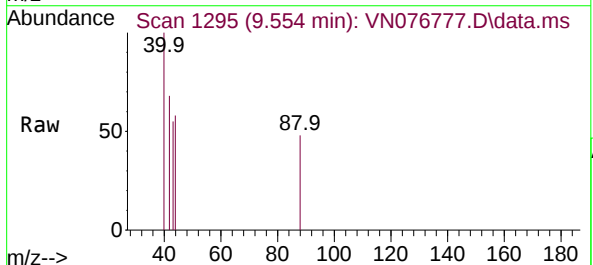
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MSVOA_N
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31962

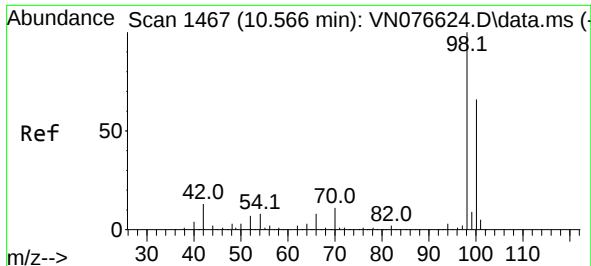
Tgt Ion: 78 Resp: 11558
Ion Ratio Lower Upper
78 100
77 16.7 18.2 27.4#



#49
1,4-Dioxane
Concen: 1.134 ug/l
RT: 9.554 min Scan# 1295
Delta R.T. -0.141 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 292.4 22.6 33.8#
58 0.0 57.6 86.4#

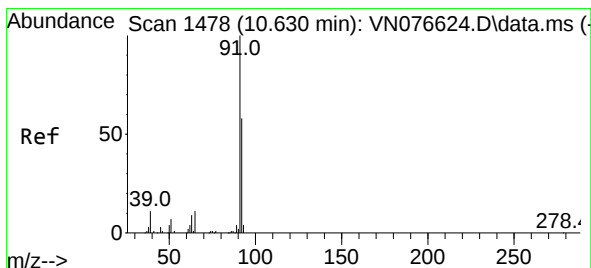
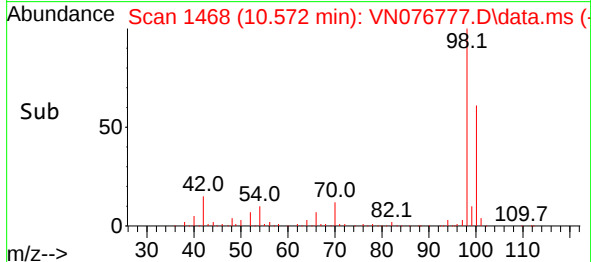
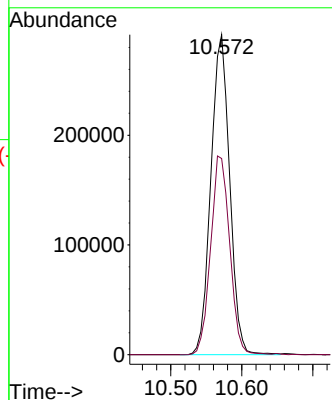
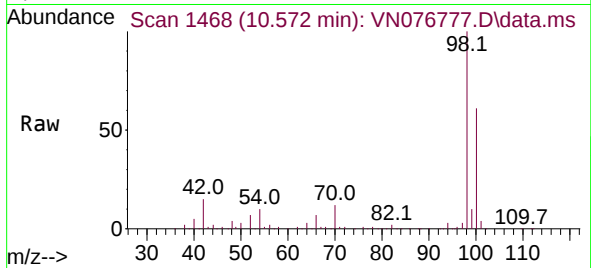




#50
Toluene-d8
Concen: 49.974 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

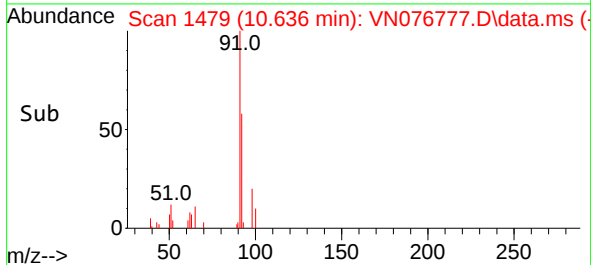
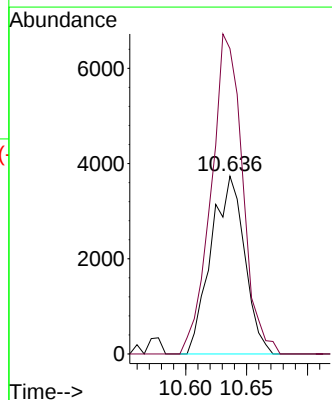
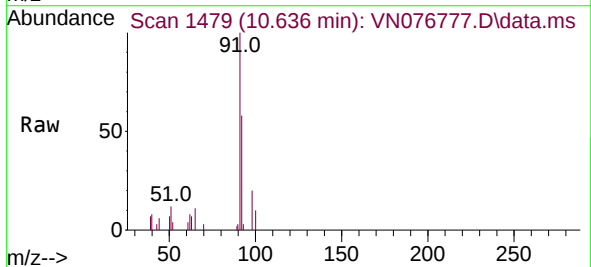
Instrument :
MSVOA_N
ClientSampleId :
31962

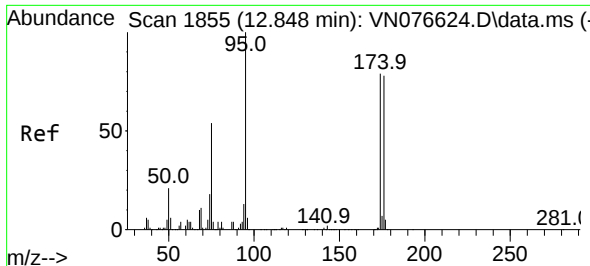
Tgt Ion: 98 Resp: 534836
Ion Ratio Lower Upper
98 100
100 63.1 52.9 79.3



#52
Toluene
Concen: 0.933 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

Tgt Ion: 92 Resp: 7164
Ion Ratio Lower Upper
92 100
91 168.6 138.0 207.0

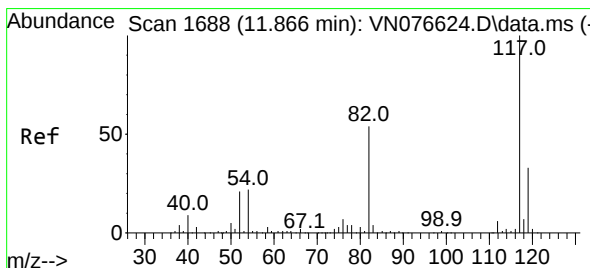
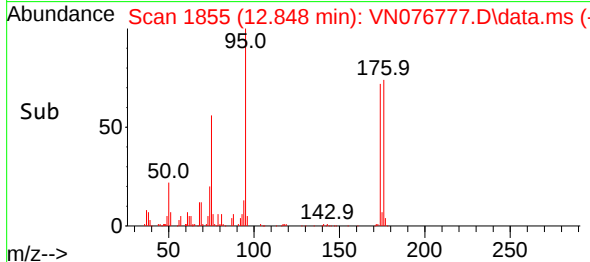
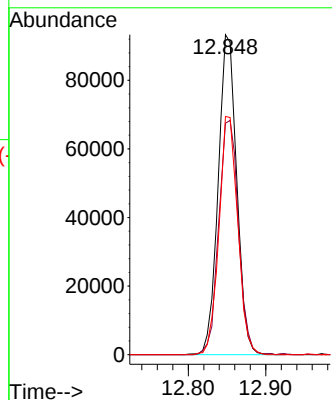
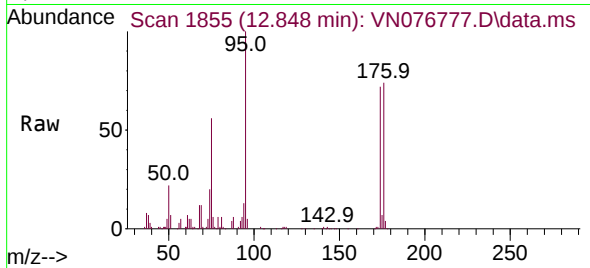




#62
4-Bromofluorobenzene
Concen: 43.779 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

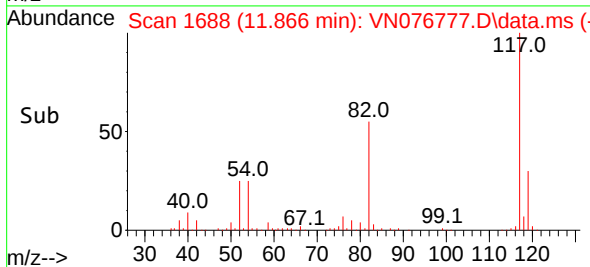
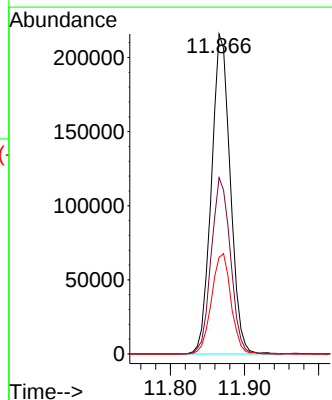
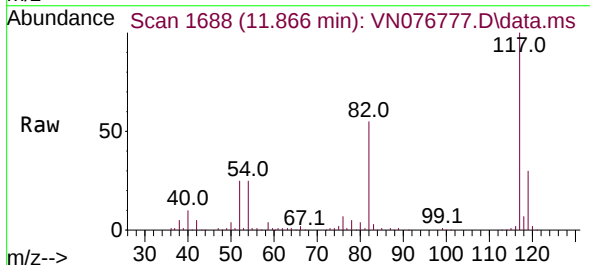
Instrument :
MSVOA_N
ClientSampleId :
31962

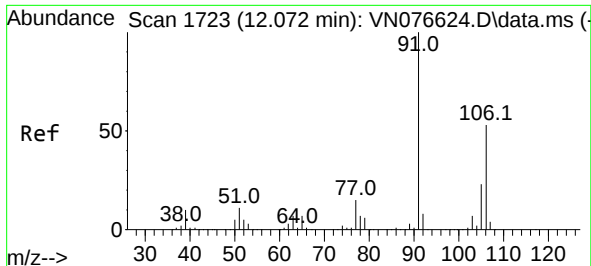
Tgt Ion: 95 Resp: 155180
Ion Ratio Lower Upper
95 100
174 77.7 0.0 169.2
176 75.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

Tgt Ion: 117 Resp: 381348
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.2
119 30.2 26.1 39.1

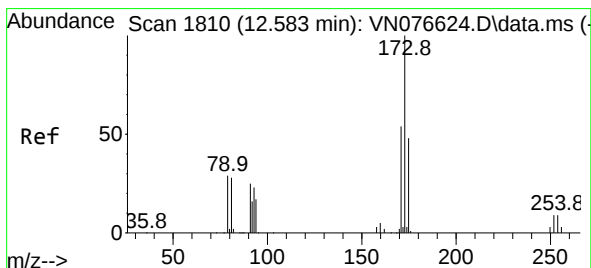
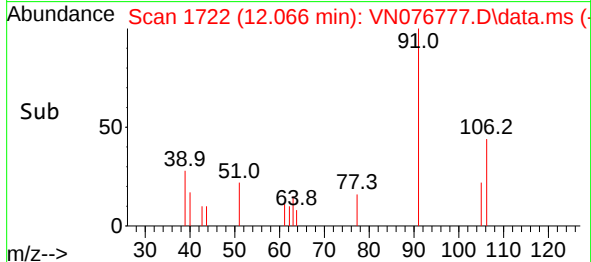
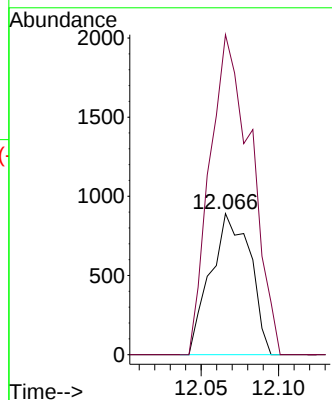
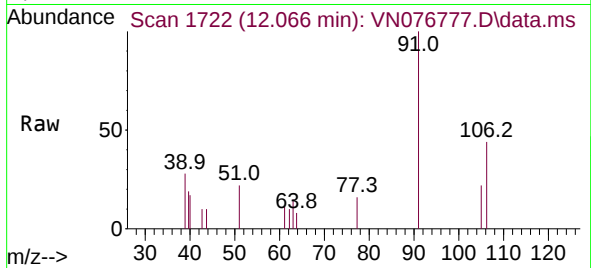




#68
m/p-Xylenes
Concen: 0.299 ug/l
RT: 12.066 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

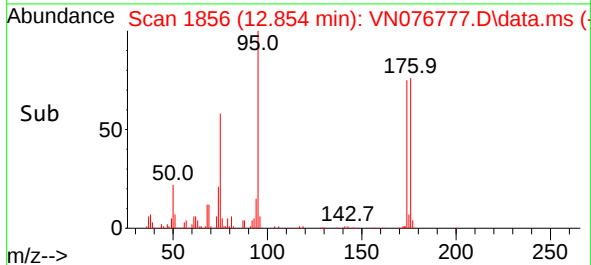
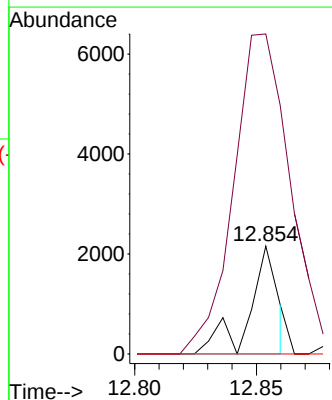
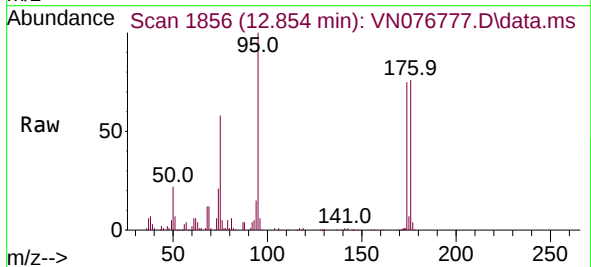
Instrument :
MSVOA_N
ClientSampleId :
31962

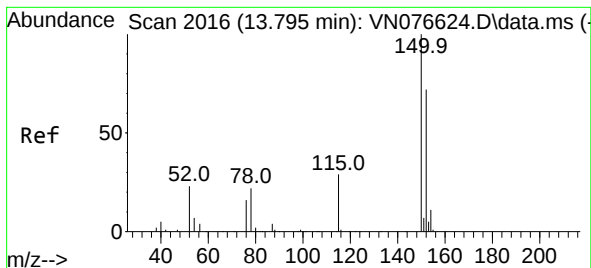
Tgt Ion:106 Resp: 1587
Ion Ratio Lower Upper
106 100
91 235.2 154.7 232.1#



#71
Bromoform
Concen: 0.822 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076777.D
Acq: 22 Feb 2023 17:40

Tgt Ion:173 Resp: 1769
Ion Ratio Lower Upper
173 100
175 488.1 24.9 74.7#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076777.D

Acq: 22 Feb 2023 17:40

Instrument :

MSVOA_N

ClientSampleId :

31962

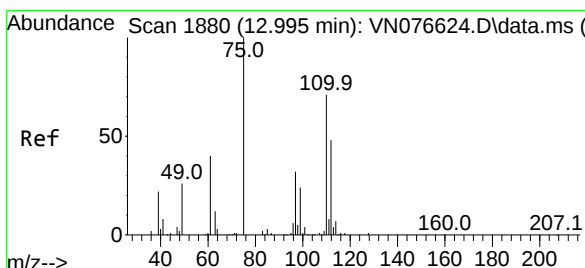
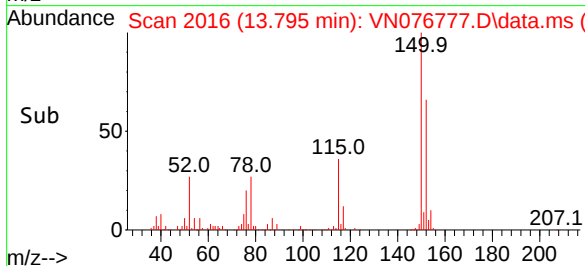
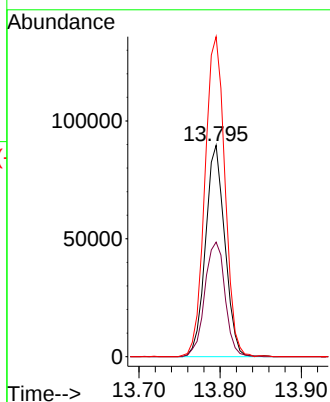
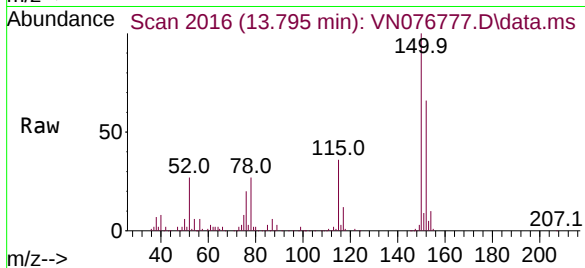
Tgt Ion:152 Resp: 148152

Ion Ratio Lower Upper

152 100

115 56.9 29.3 87.9

150 156.5 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 30.270 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN076777.D

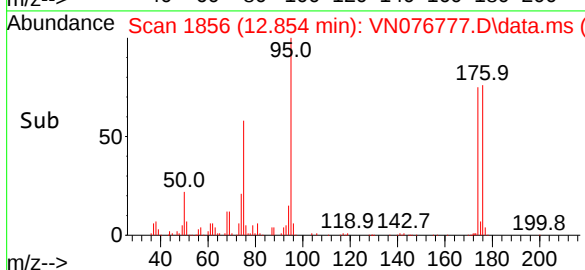
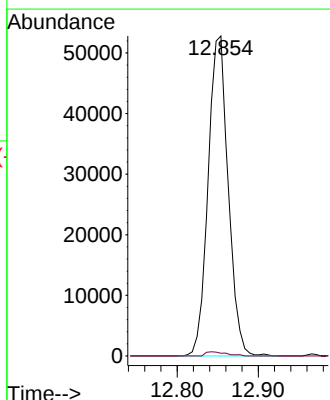
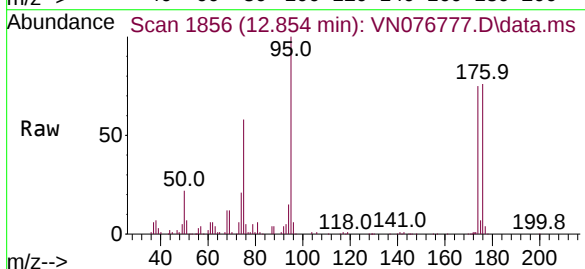
Acq: 22 Feb 2023 17:40

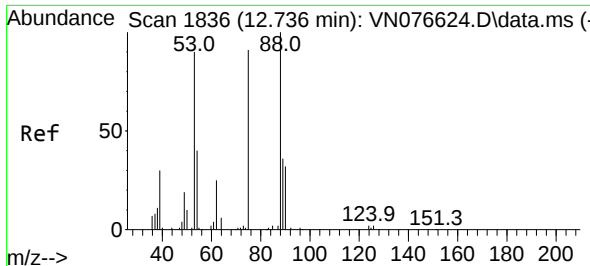
Tgt Ion: 75 Resp: 90664

Ion Ratio Lower Upper

75 100

77 1.4 93.1 279.3#

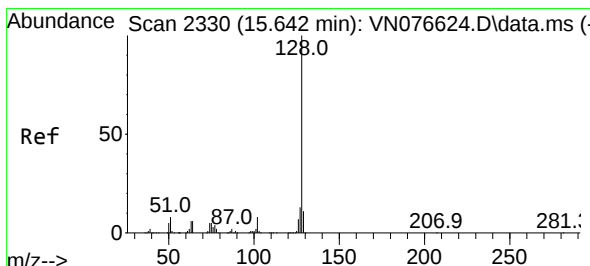
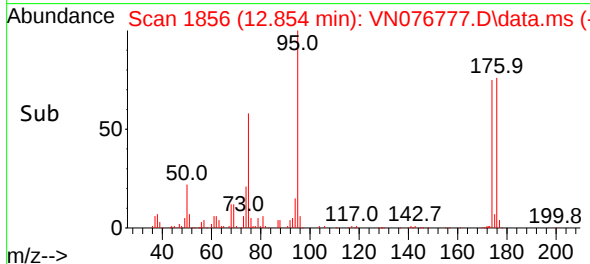
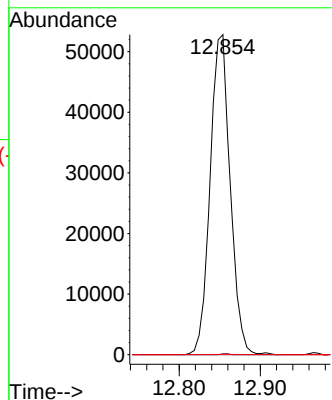
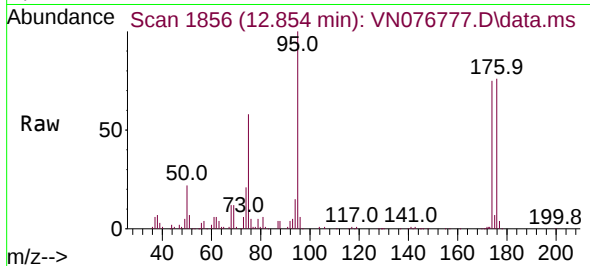




#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.162 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. 0.118 min
 Lab File: VN076777.D
 Acq: 22 Feb 2023 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 31962

Tgt Ion: 75 Resp: 90664
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.1 138.1#
 89 0.0 37.5 56.3#



#95
 Naphthalene
 Concen: 0.215 ug/l
 RT: 15.648 min Scan# 2331
 Delta R.T. 0.006 min
 Lab File: VN076777.D
 Acq: 22 Feb 2023 17:40

Tgt Ion: 128 Resp: 1706
 Ion Ratio Lower Upper
 128 100
 127 11.5 10.6 16.0
 129 0.0 8.6 13.0#

