

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022423\
 Data File : VN076800.D
 Acq On : 24 Feb 2023 11:17
 Operator : JC\MD
 Sample : VN0224MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224MBL01

Quant Time: Feb 25 01:41:05 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)

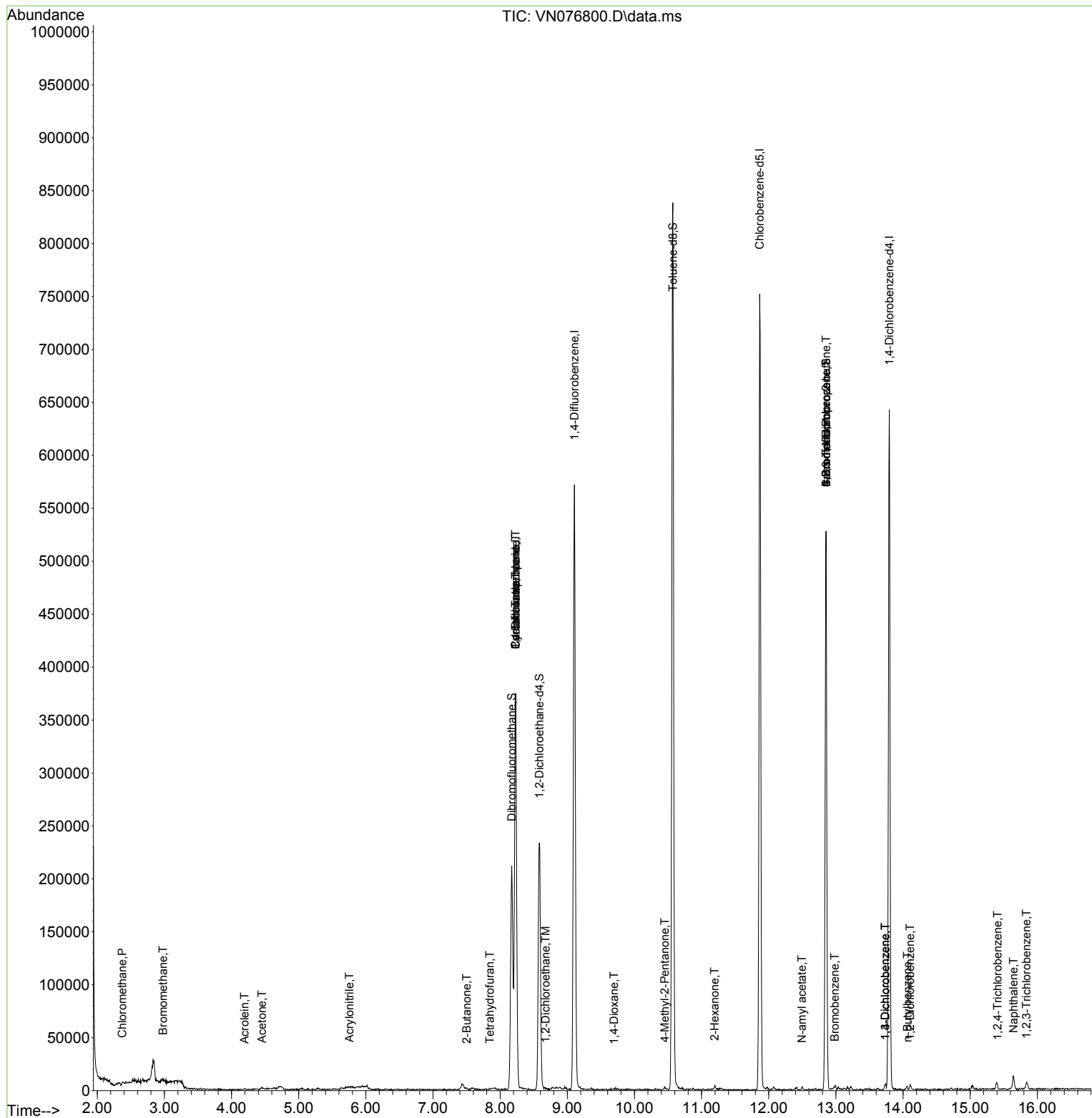
Internal Standards						
1) Pentafluorobenzene	8.230	168	264012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	468294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	412256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	159821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	188370	51.670	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.340%			
35) Dibromofluoromethane	8.172	113	146085	47.635	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.260%			
50) Toluene-d8	10.571	98	570280	49.793	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.580%			
62) 4-Bromofluorobenzene	12.854	95	168945	44.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.080%			
Target Compounds						Qvalue
3) Chloromethane	2.372	50	911	0.249	ug/l	95
5) Bromomethane	2.978	94	1314	0.602	ug/l #	43
13) Acrolein	4.195	56	914	1.265	ug/l	96
15) Acrylonitrile	5.754	53	2118	1.240	ug/l #	59
16) Acetone	4.454	43	2152	1.321	ug/l #	42
25) 2-Butanone	7.501	43	1106	0.460	ug/l #	51
29) Tetrahydrofuran	7.848	42	656	0.418	ug/l #	43
31) Cyclohexane	8.230	56	7543	1.319	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	22752	5.135	ug/l #	51
38) Carbon Tetrachloride	8.230	117	28066	6.279	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	1035	0.218	ug/l #	74
49) 1,4-Dioxane	9.695	88	131	2.104	ug/l #	7
51) 4-Methyl-2-Pentanone	10.454	43	2114	0.438	ug/l #	55
59) 2-Hexanone	11.195	43	3461	0.994	ug/l	77
71) Bromoform	12.854	173	2503	1.075	ug/l #	1
74) N-amyl acetate	12.495	43	1512	0.286	ug/l #	72
76) 1,2,3-Trichloropropane	12.854	75	93825	29.038	ug/l #	1
77) Bromobenzene	12.983	156	915	0.313	ug/l	79
81) trans-1,4-Dichloro-2-b...	12.854	75	93825	84.575	ug/l #	4
87) 1,3-Dichlorobenzene	13.736	146	1701	0.308	ug/l	87
88) 1,4-Dichlorobenzene	13.736	146	1701	0.309	ug/l	88
89) n-Butylbenzene	14.065	91	1702	0.200	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	1855	0.328	ug/l	96
93) 1,2,4-Trichlorobenzene	15.406	180	2263	0.801	ug/l	90
95) Naphthalene	15.648	128	10185	1.188	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.836	180	2834	1.035	ug/l	87

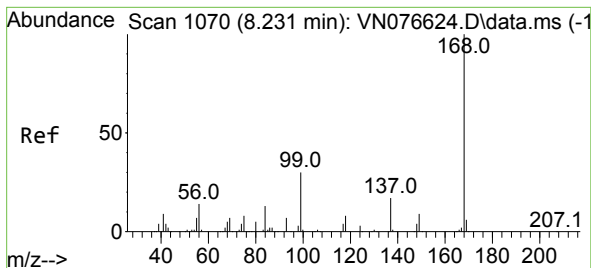
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022423\
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QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076800.D

Acq: 24 Feb 2023 11:17

Instrument :

MSVOA_N

ClientSampleId :

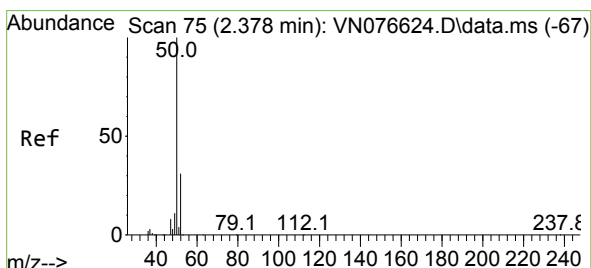
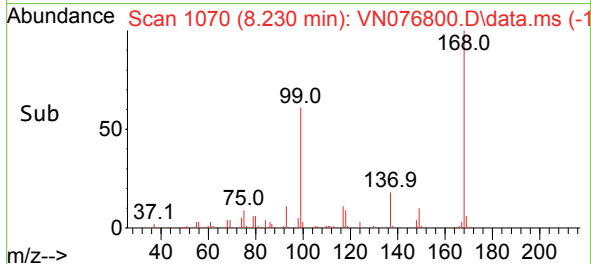
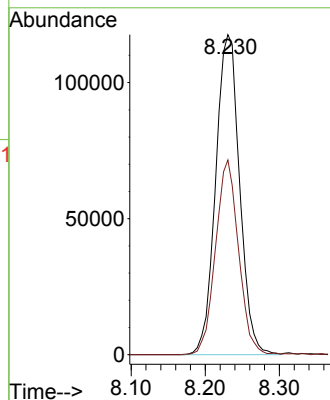
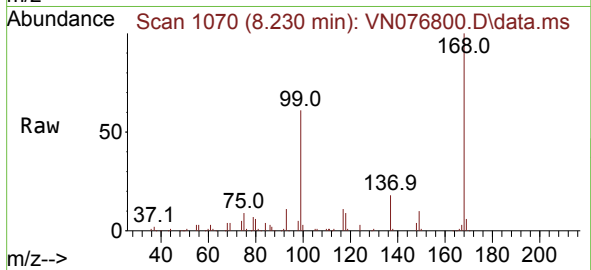
VN0224MBL01

Tgt Ion:168 Resp: 264012

Ion Ratio Lower Upper

168 100

99 60.8 44.8 67.2



#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.372 min Scan# 74

Delta R.T. -0.006 min

Lab File: VN076800.D

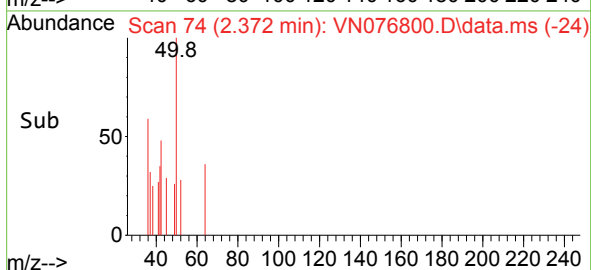
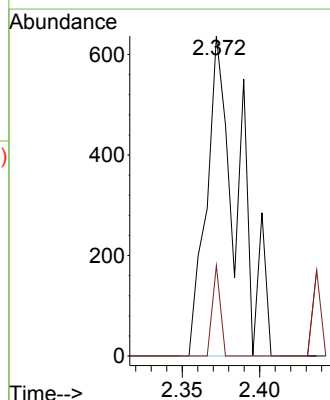
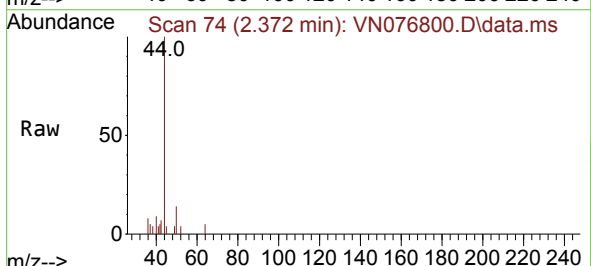
Acq: 24 Feb 2023 11:17

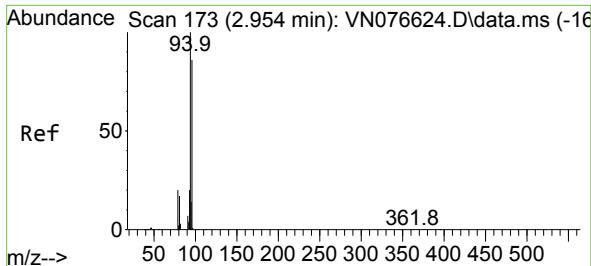
Tgt Ion: 50 Resp: 911

Ion Ratio Lower Upper

50 100

52 28.3 24.7 37.1

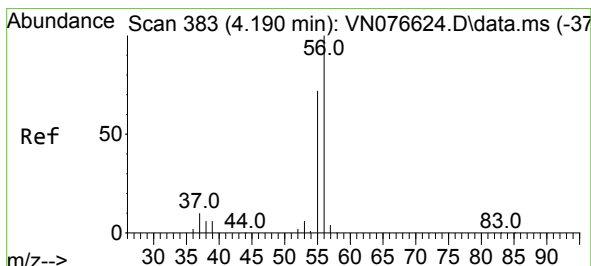
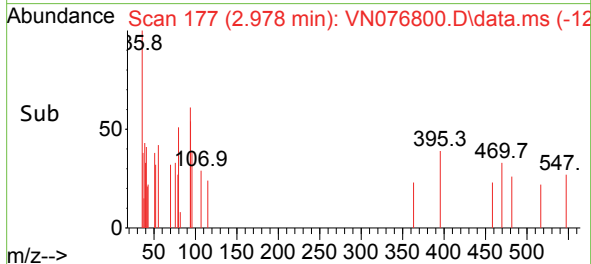
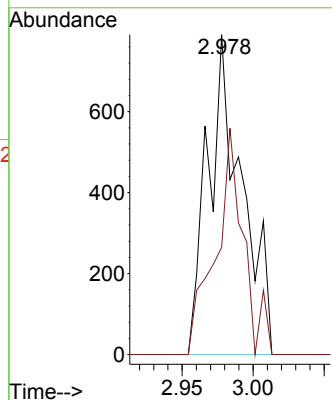
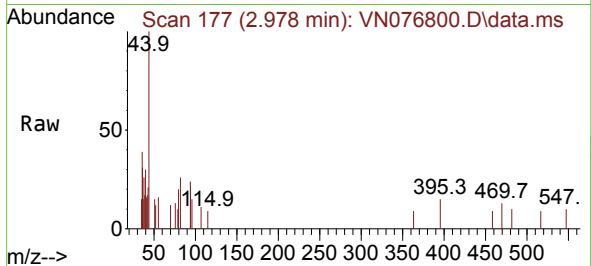




#5
Bromomethane
Concen: 0.602 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

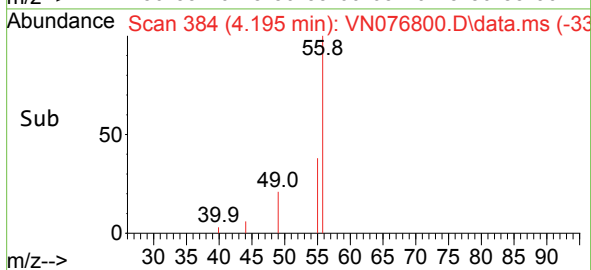
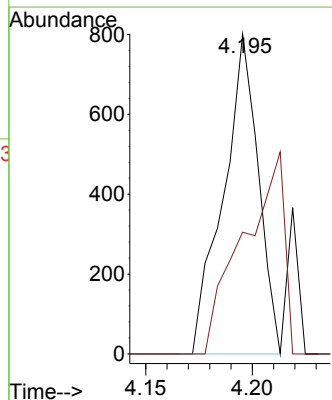
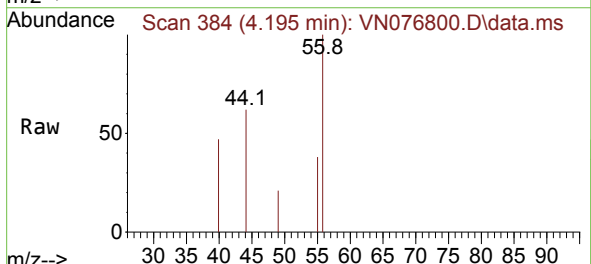
Instrument :
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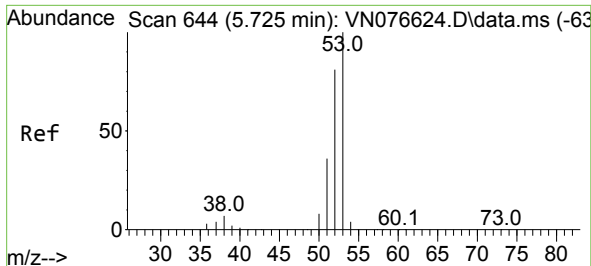
Tgt Ion: 94 Resp: 1314
Ion Ratio Lower Upper
94 100
96 33.5 69.0 103.4#



#13
Acrolein
Concen: 1.265 ug/l
RT: 4.195 min Scan# 384
Delta R.T. 0.005 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

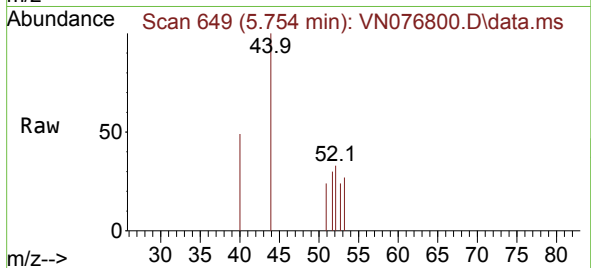
Tgt Ion: 56 Resp: 914
Ion Ratio Lower Upper
56 100
55 73.9 56.3 84.5



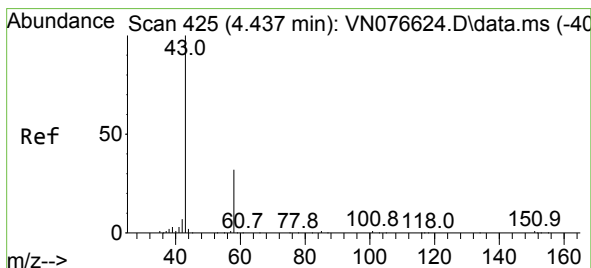
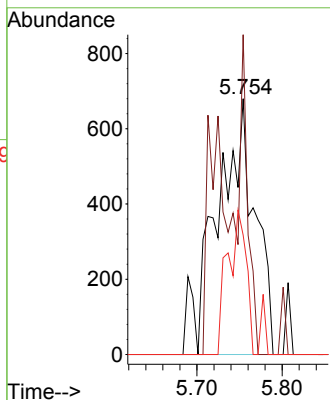
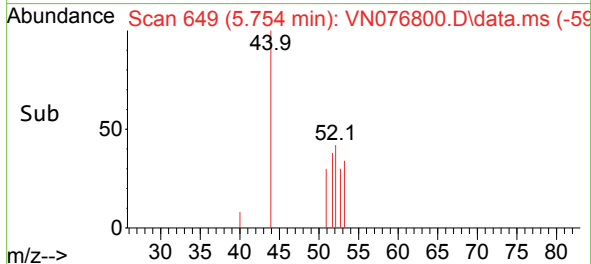


#15
Acrylonitrile
Concen: 1.240 ug/l
RT: 5.754 min Scan# 644
Delta R.T. 0.029 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

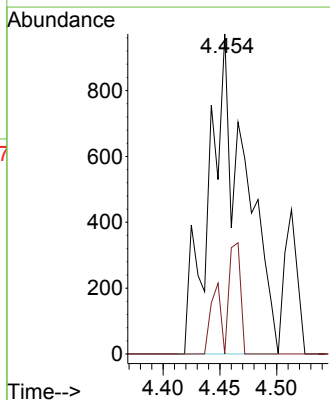
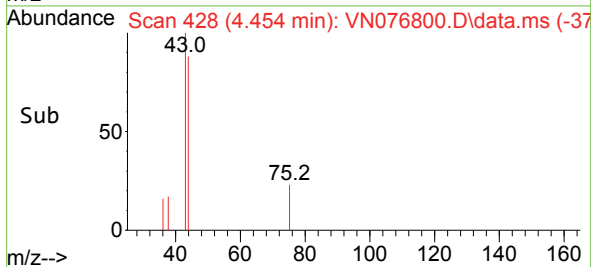
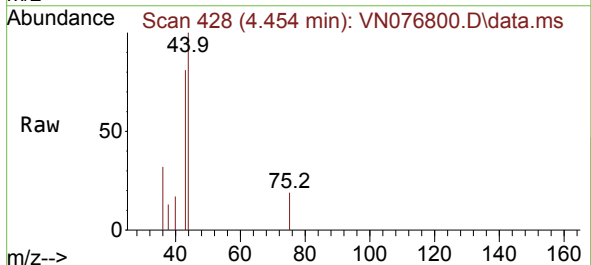


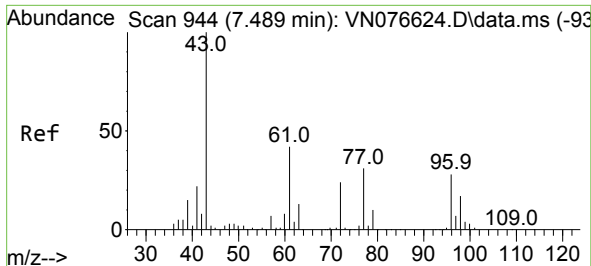
Tgt Ion: 53 Resp: 2118
Ion Ratio Lower Upper
53 100
52 34.3 65.3 97.9#
51 27.6 29.2 43.8#



#16
Acetone
Concen: 1.321 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#

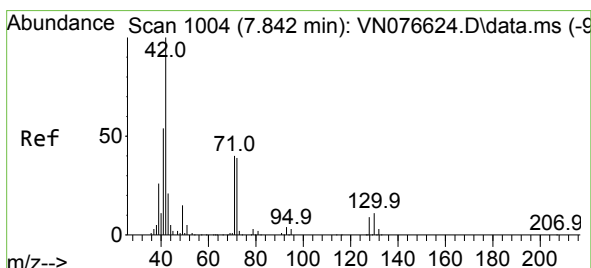
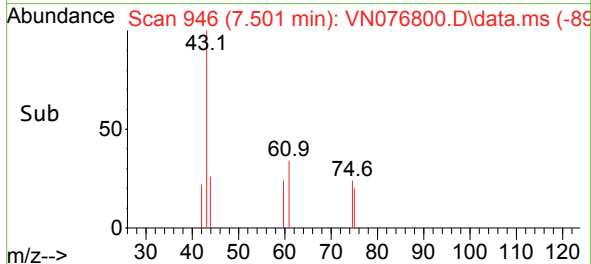
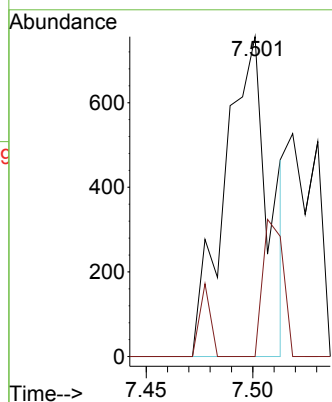
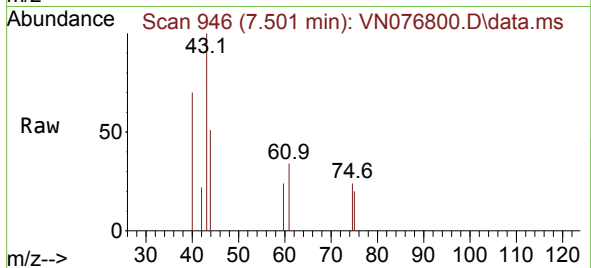




#25
2-Butanone
Concen: 0.460 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

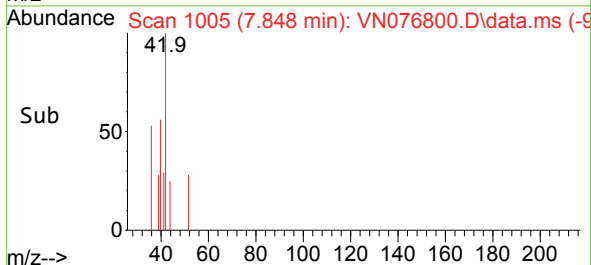
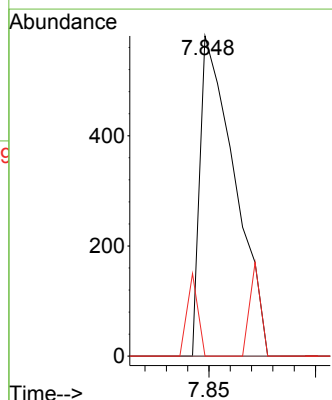
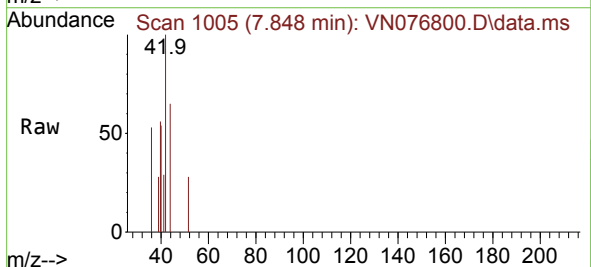
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

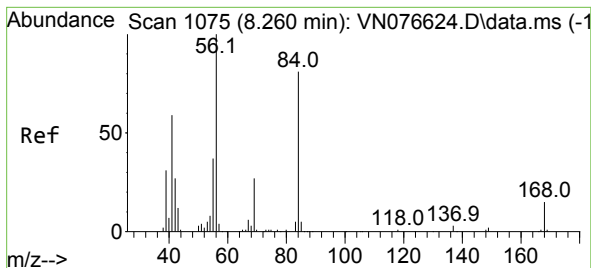
Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.418 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 42 Resp: 656
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 8.1 29.8 44.8#





#31

Cyclohexane

Concen: 1.319 ug/l

RT: 8.230 min Scan# 1075

Delta R.T. -0.030 min

Lab File: VN076800.D

Acq: 24 Feb 2023 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

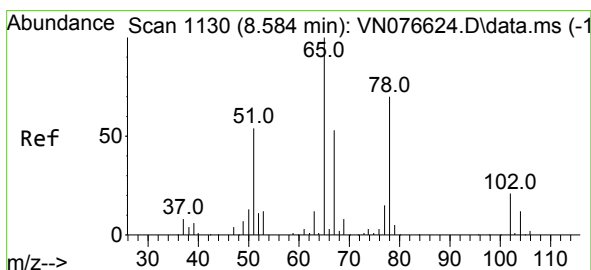
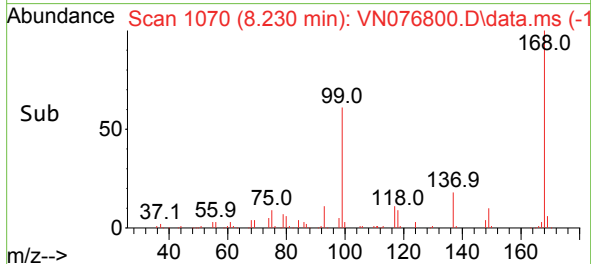
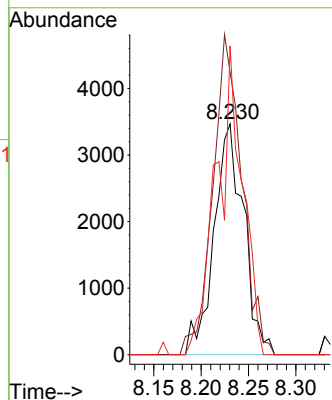
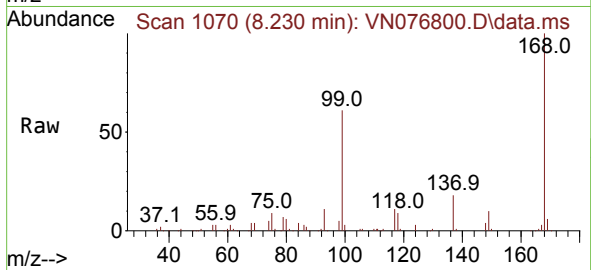
Tgt Ion: 56 Resp: 7543

Ion Ratio Lower Upper

56 100

69 122.3 21.6 32.4#

84 133.9 65.1 97.7#



#33

1,2-Dichloroethane-d4

Concen: 51.670 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076800.D

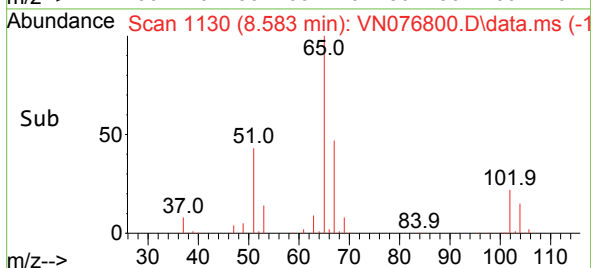
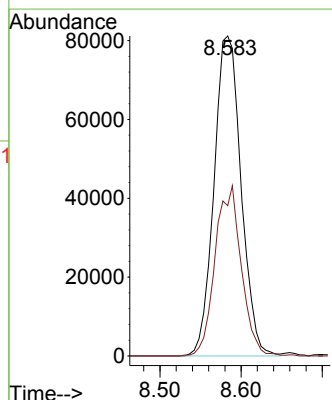
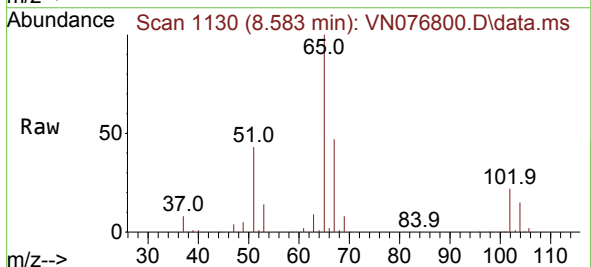
Acq: 24 Feb 2023 11:17

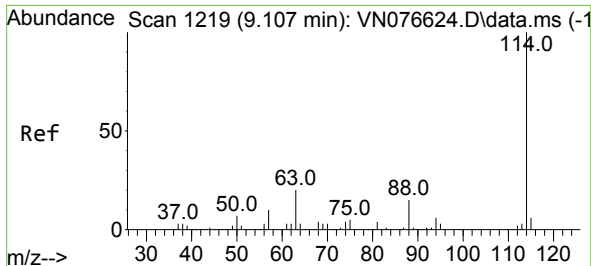
Tgt Ion: 65 Resp: 188370

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.6

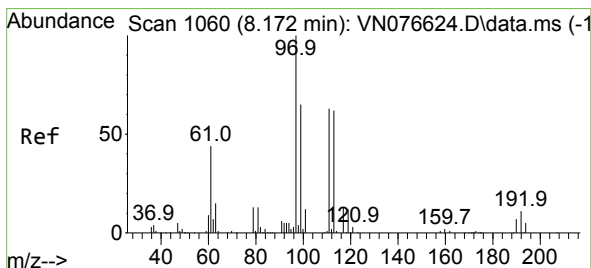
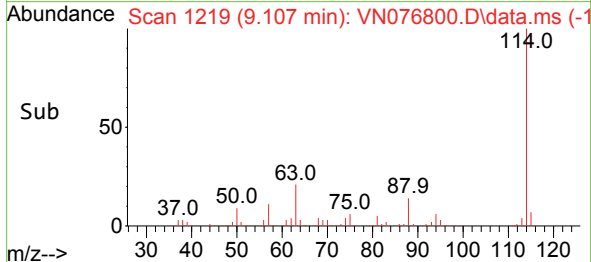
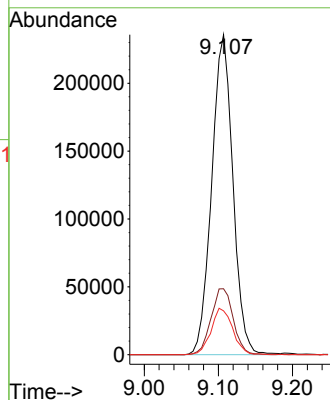
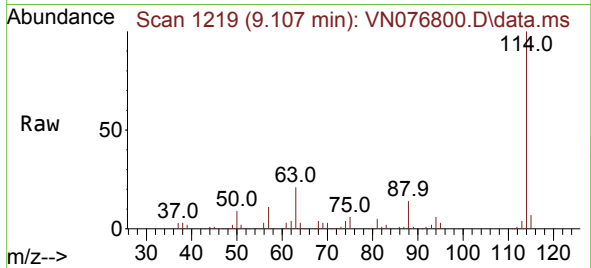




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

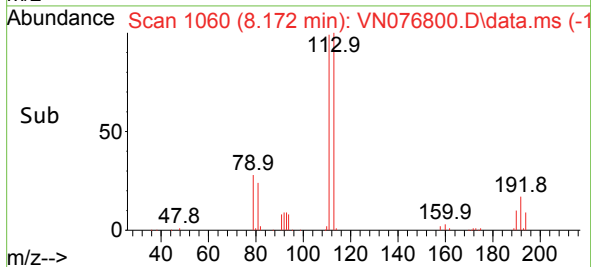
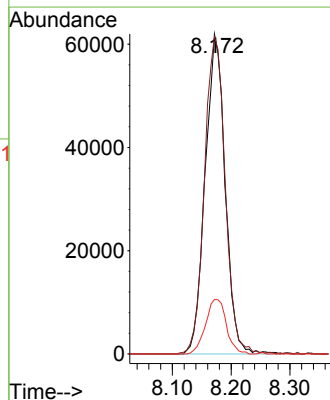
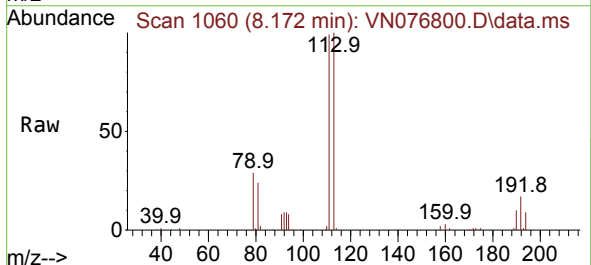
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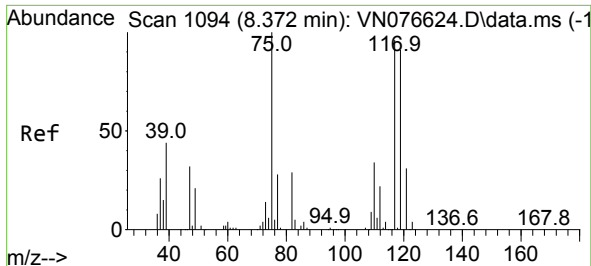
Tgt Ion:114 Resp: 468294
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.0
88 13.7 0.0 29.6



#35
Dibromofluoromethane
Concen: 47.635 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion:113 Resp: 146085
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.7 15.6 23.4

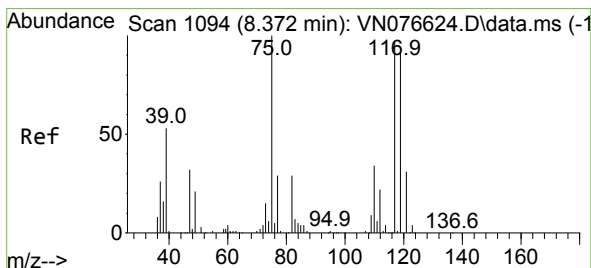
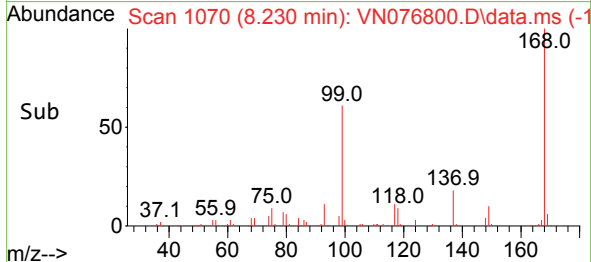
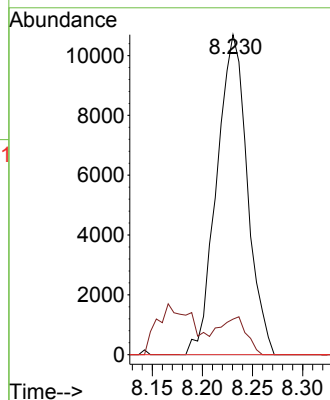
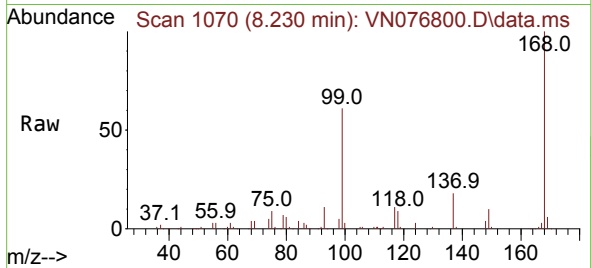




#36
1,1-Dichloropropene
Concen: 5.135 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

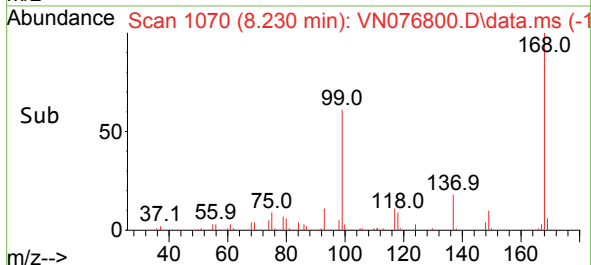
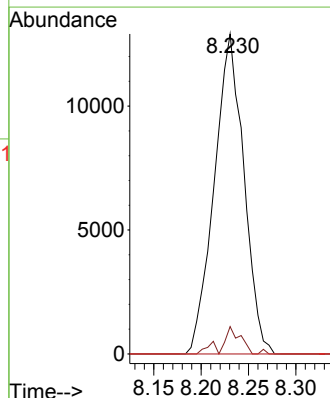
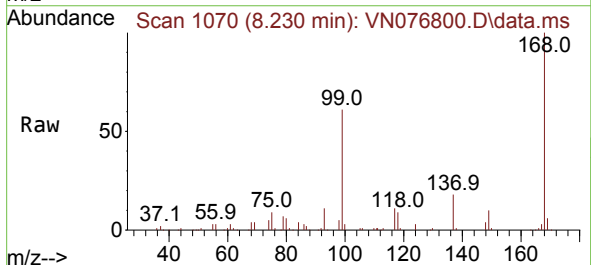
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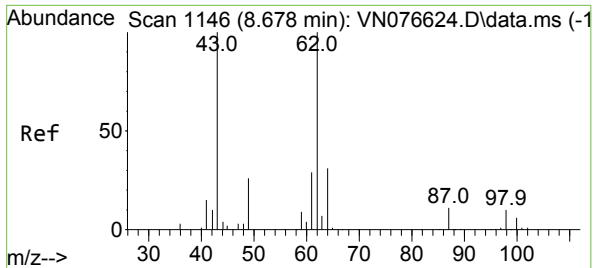
Tgt Ion: 75 Resp: 22752
Ion Ratio Lower Upper
75 100
110 10.5 17.5 52.5#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 117 Resp: 28066
Ion Ratio Lower Upper
117 100
119 8.6 75.4 113.0#
121 0.0 26.0 39.0#





#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 8.677 min Scan# 1146

Delta R.T. -0.001 min

Lab File: VN076800.D

Acq: 24 Feb 2023 11:17

Instrument :

MSVOA_N

ClientSampleId :

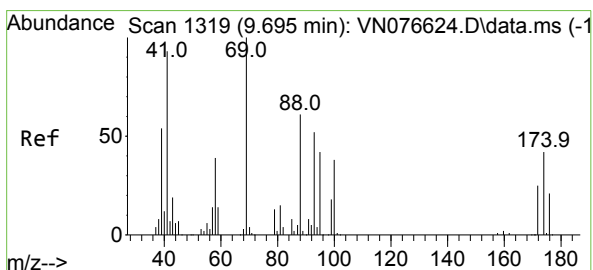
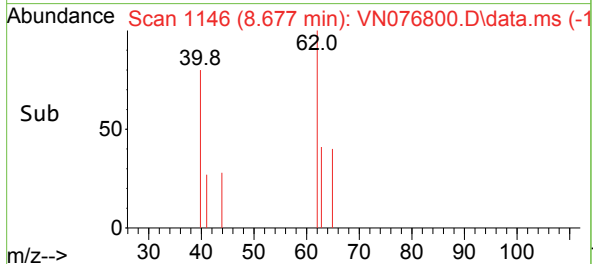
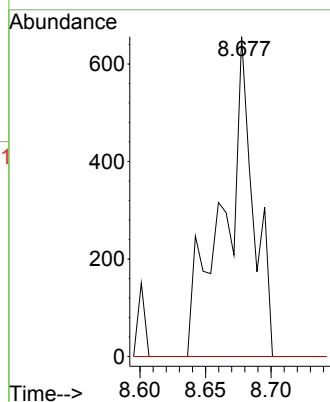
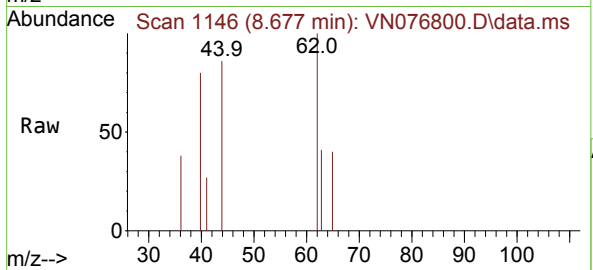
VN0224MBL01

Tgt Ion: 62 Resp: 1035

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.2



#49

1,4-Dioxane

Concen: 2.104 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN076800.D

Acq: 24 Feb 2023 11:17

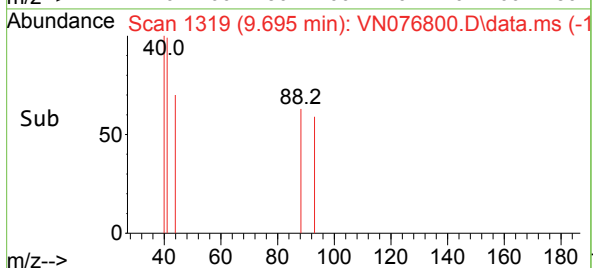
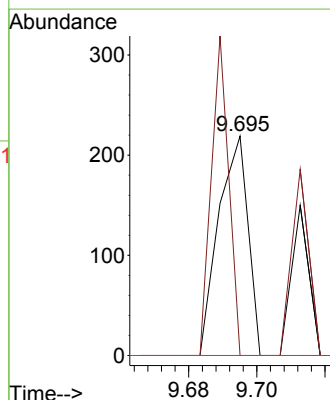
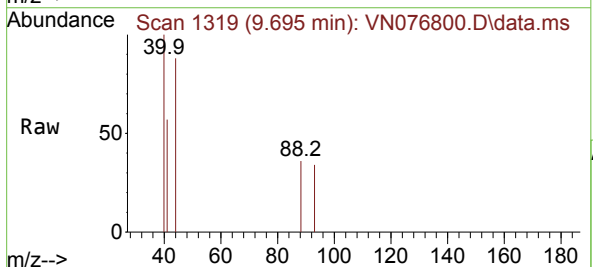
Tgt Ion: 88 Resp: 131

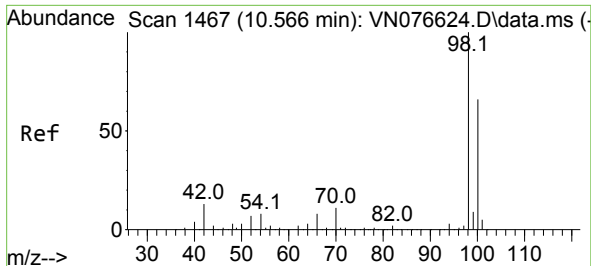
Ion Ratio Lower Upper

88 100

43 86.3 22.6 33.8#

58 0.0 57.6 86.4#

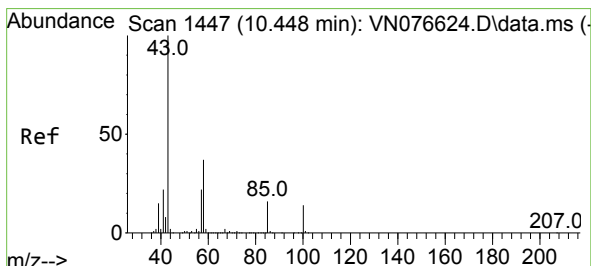
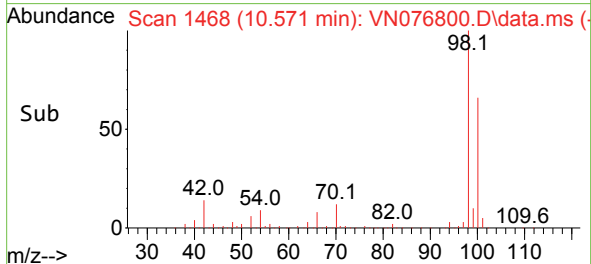
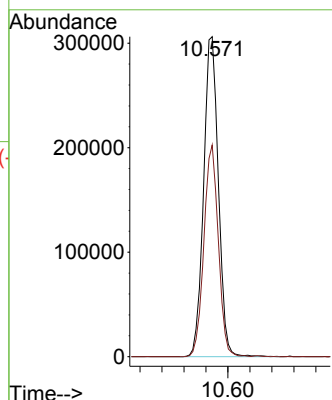
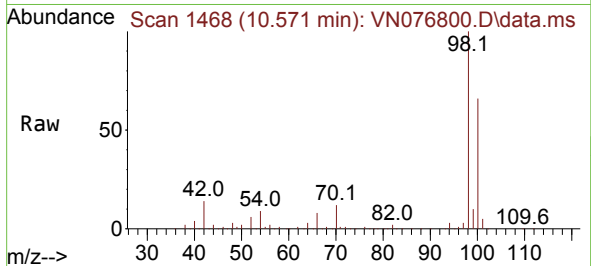




#50
Toluene-d8
Concen: 49.793 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

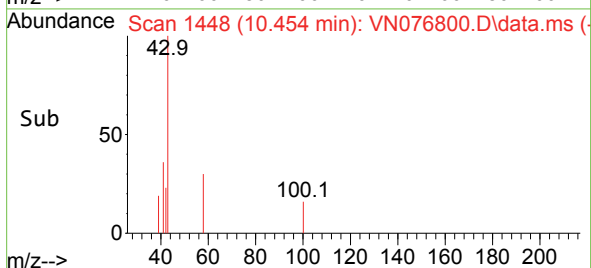
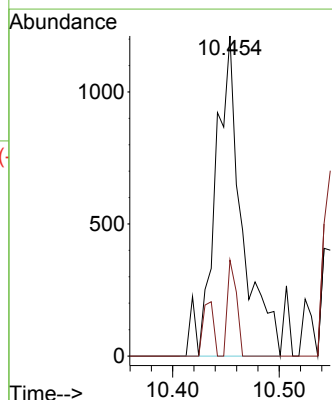
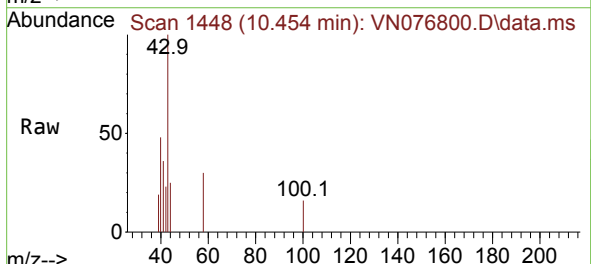
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

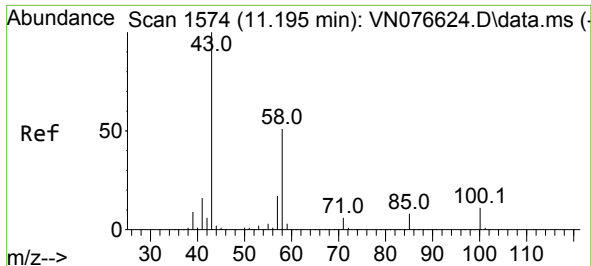
Tgt Ion: 98 Resp: 570280
Ion Ratio Lower Upper
98 100
100 64.7 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.438 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
58 10.1 29.5 44.3#

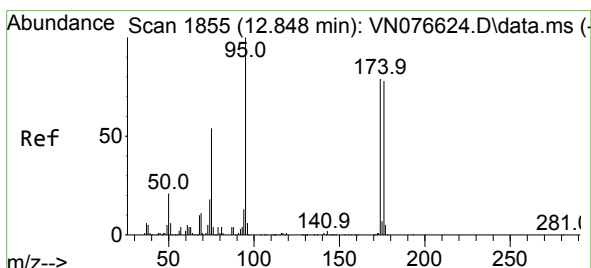
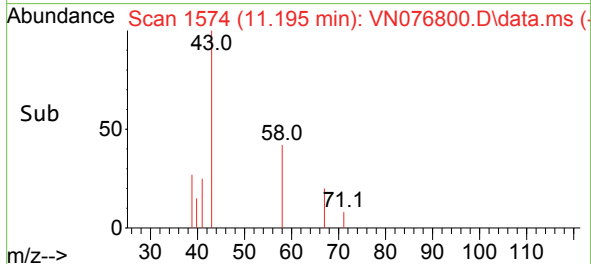
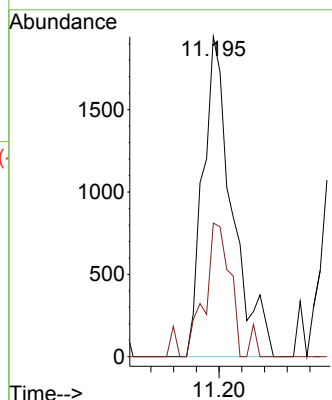
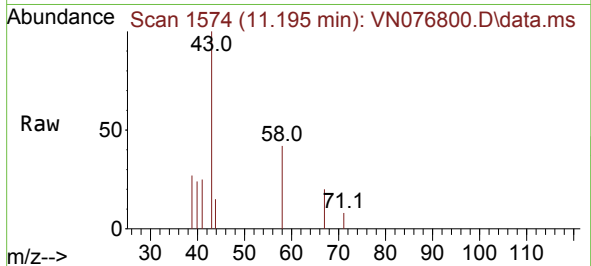




#59
2-Hexanone
Concen: 0.994 ug/l
RT: 11.195 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

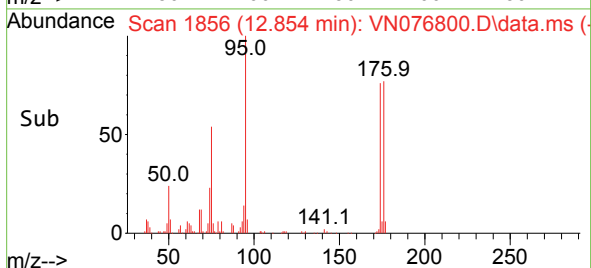
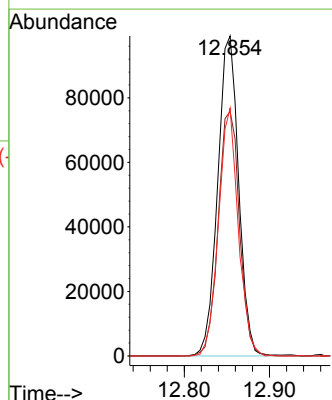
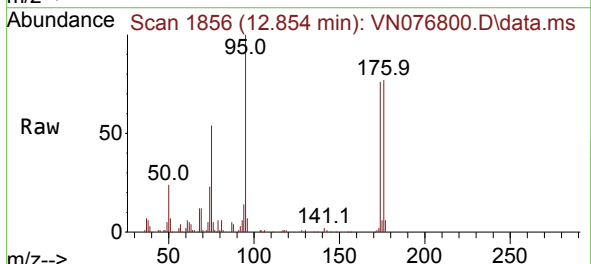
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

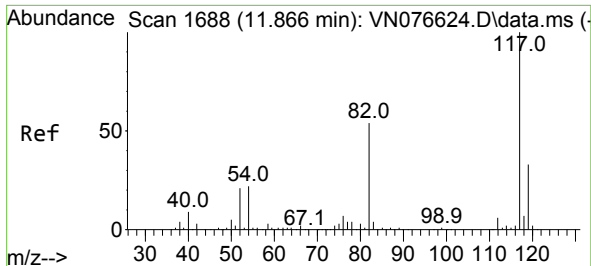
Tgt Ion: 43 Resp: 3461
Ion Ratio Lower Upper
43 100
58 34.9 25.4 76.0



#62
4-Bromofluorobenzene
Concen: 44.538 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 95 Resp: 168945
Ion Ratio Lower Upper
95 100
174 77.8 0.0 169.2
176 73.3 0.0 163.4

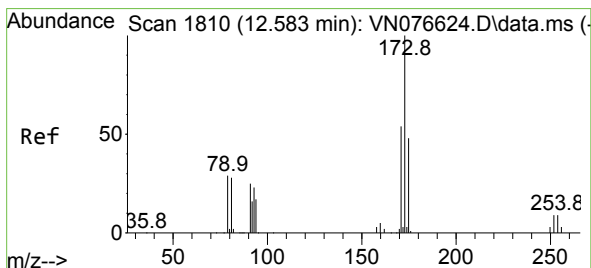
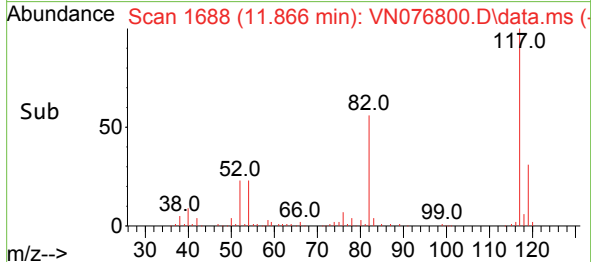
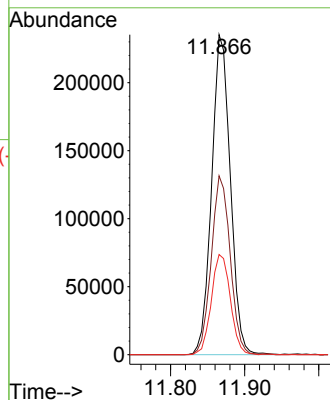
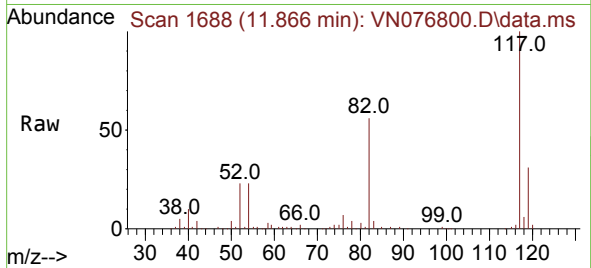




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

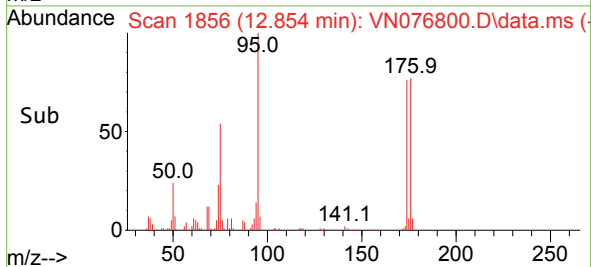
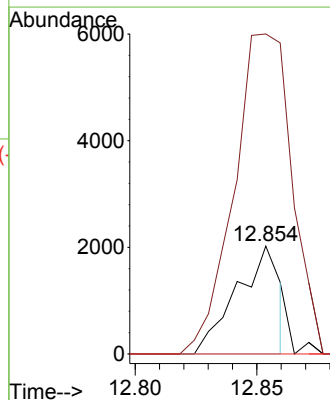
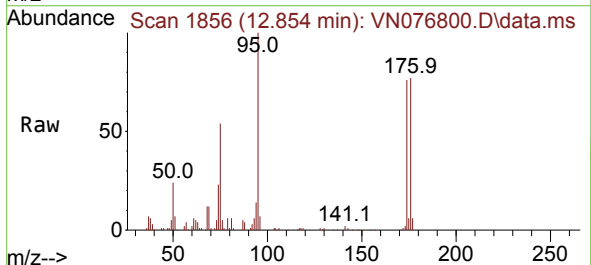
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

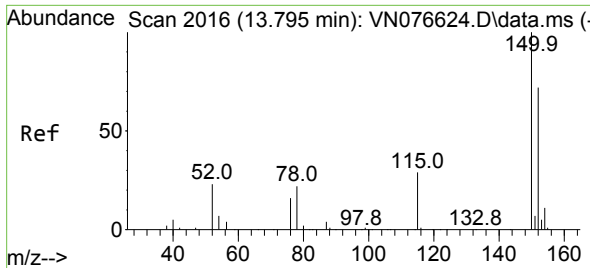
Tgt Ion:117 Resp: 412256
Ion Ratio Lower Upper
117 100
82 55.9 43.4 65.2
119 31.3 26.1 39.1



#71
Bromoform
Concen: 1.075 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion:173 Resp: 2503
Ion Ratio Lower Upper
173 100
175 340.0 24.9 74.7#
254 0.0 0.1 0.1#

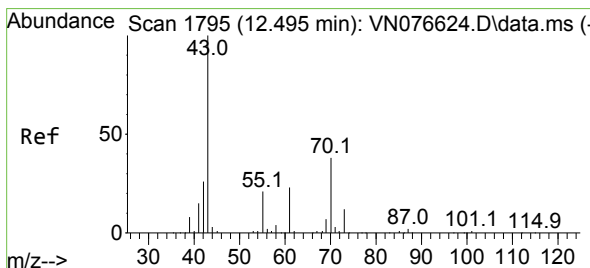
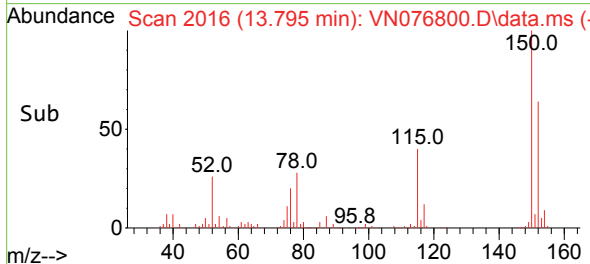
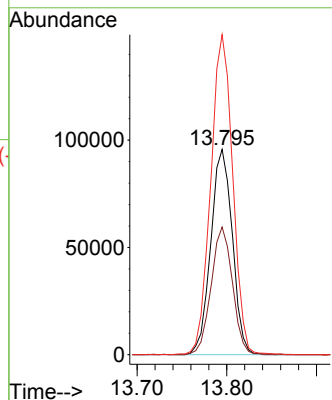
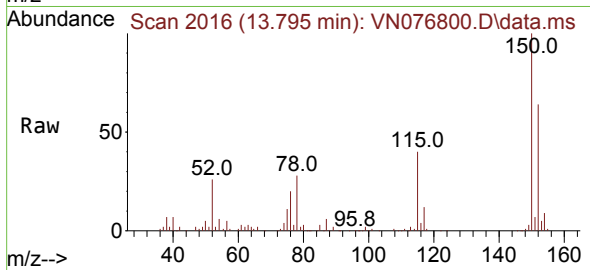




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN076800.D
 Acq: 24 Feb 2023 11:17

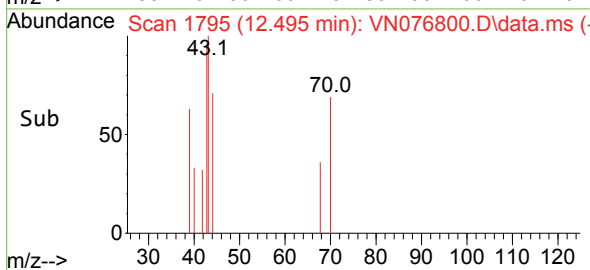
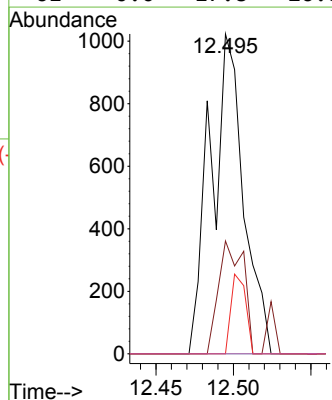
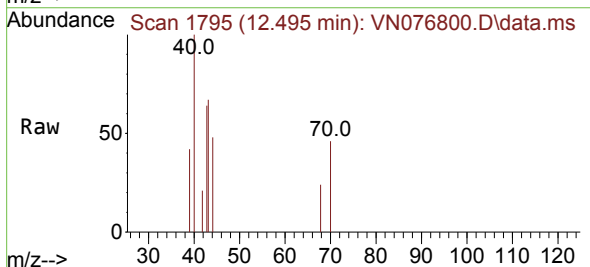
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224MBL01

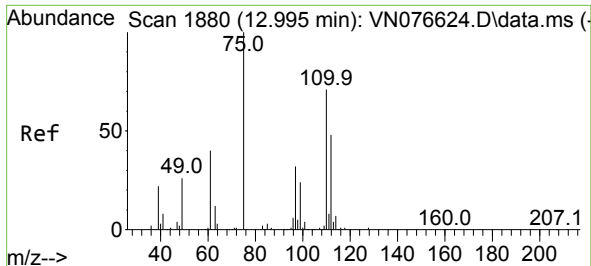
Tgt Ion:152 Resp: 159821
 Ion Ratio Lower Upper
 152 100
 115 61.3 29.3 87.9
 150 159.2 0.0 349.8



#74
 N-ethyl acetate
 Concen: 0.286 ug/l
 RT: 12.495 min Scan# 1795
 Delta R.T. -0.000 min
 Lab File: VN076800.D
 Acq: 24 Feb 2023 11:17

Tgt Ion: 43 Resp: 1512
 Ion Ratio Lower Upper
 43 100
 70 26.7 30.5 45.7#
 55 11.0 17.8 26.8#
 61 0.0 17.8 26.8#

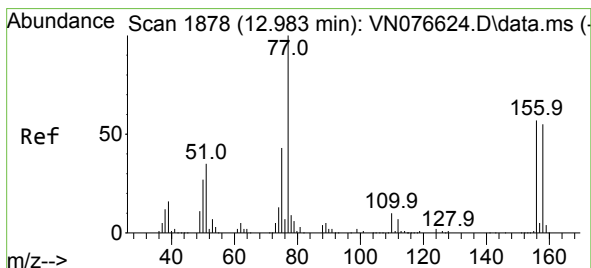
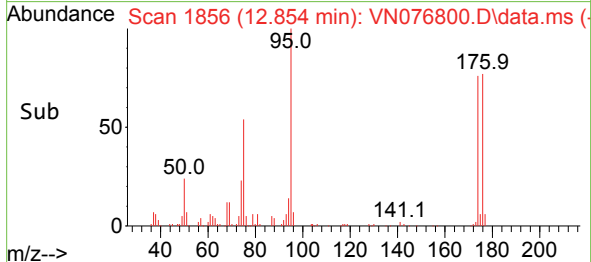
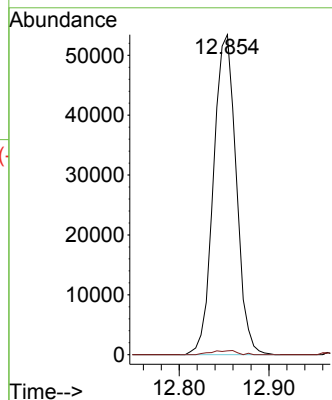
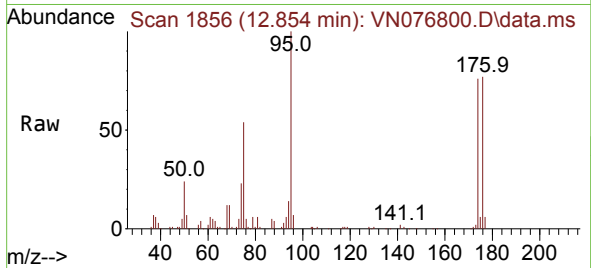




#76
1,2,3-Trichloropropane
Concen: 29.038 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

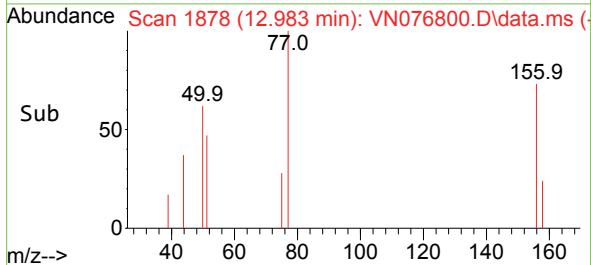
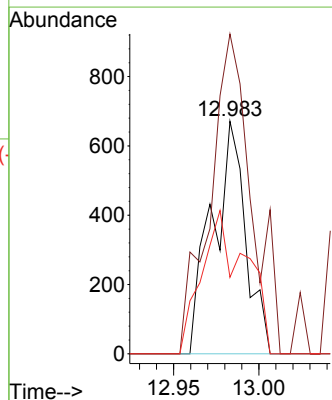
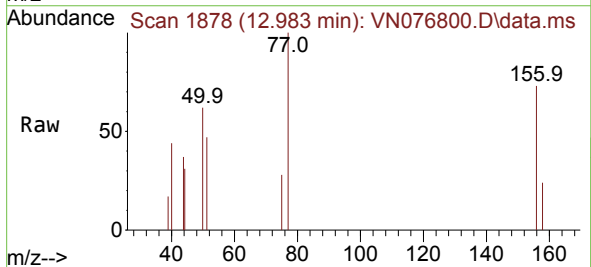
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

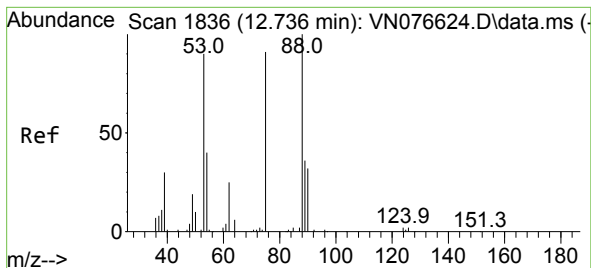
Tgt Ion: 75 Resp: 93825
Ion Ratio Lower Upper
75 100
77 1.5 93.1 279.3#



#77
Bromobenzene
Concen: 0.313 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 156 Resp: 915
Ion Ratio Lower Upper
156 100
77 171.0 102.8 308.4
158 81.2 48.9 146.6

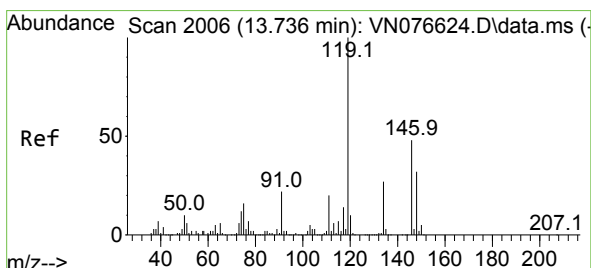
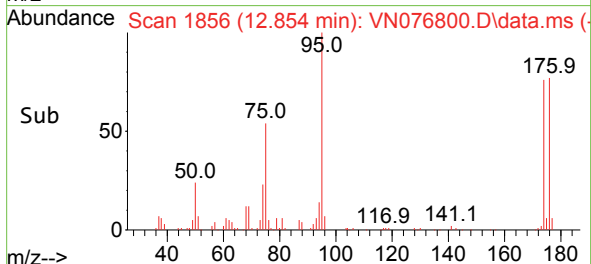
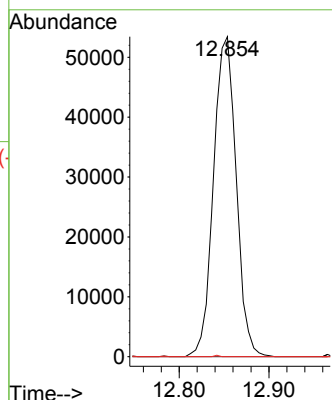
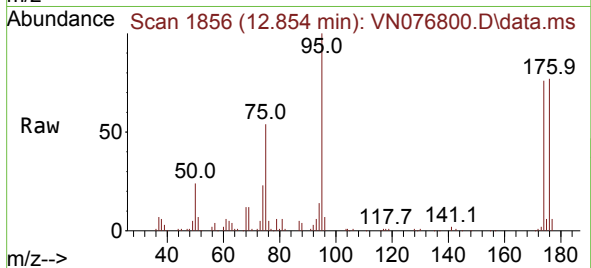




#81
trans-1,4-Dichloro-2-butene
Concen: 84.575 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

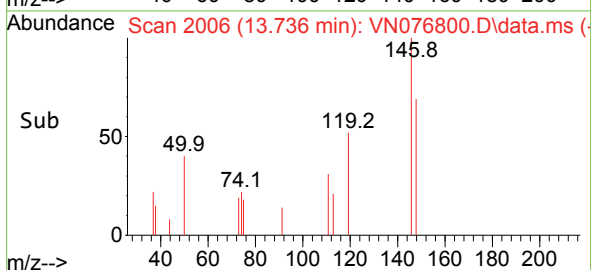
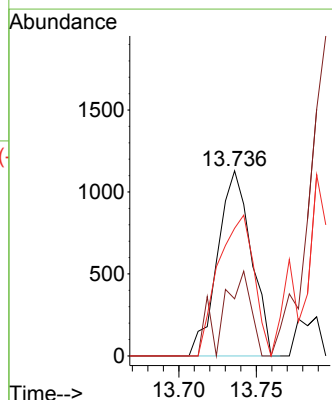
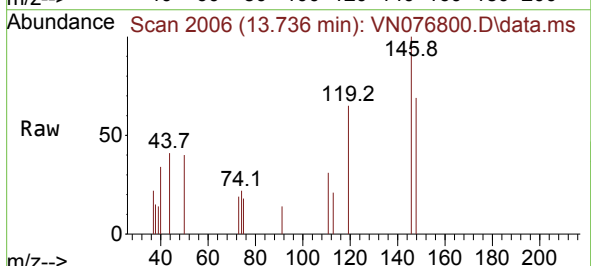
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MSVOA_N
ClientSampleId :
VN0224MBL01

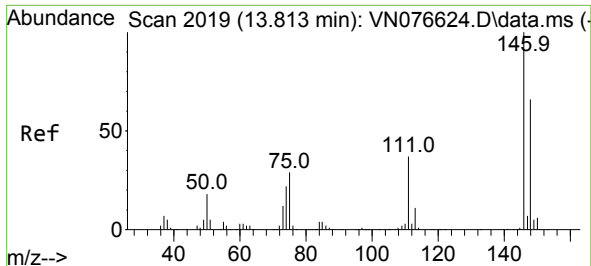
Tgt Ion: 75 Resp: 93825
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.1 37.5 56.3#



#87
1,3-Dichlorobenzene
Concen: 0.308 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 146 Resp: 1701
Ion Ratio Lower Upper
146 100
111 39.2 19.8 59.4
148 80.5 32.0 96.2

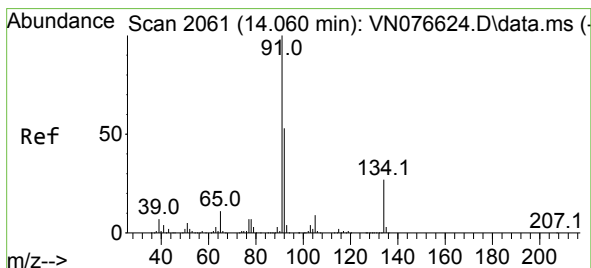
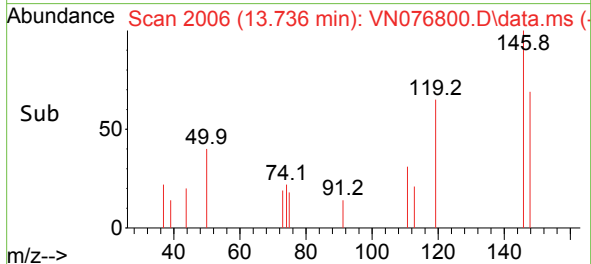
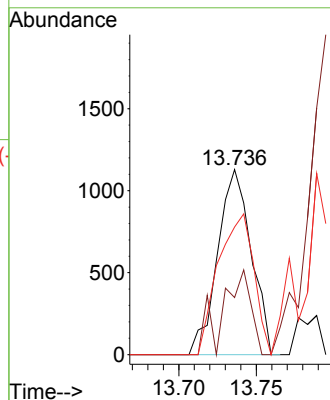
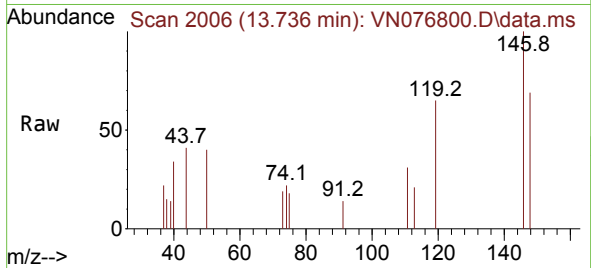




#88
1,4-Dichlorobenzene
Concen: 0.309 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.077 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

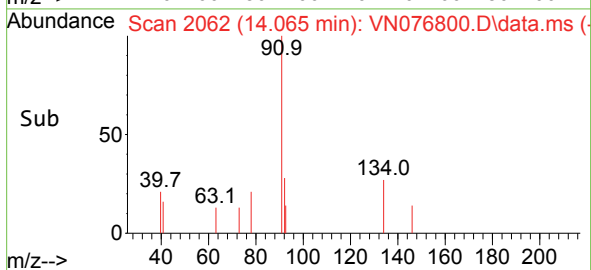
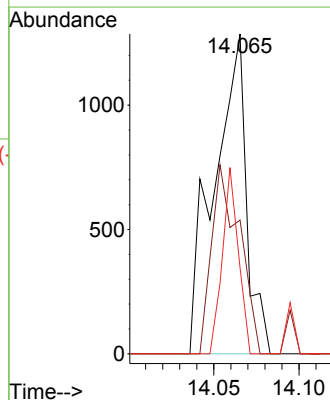
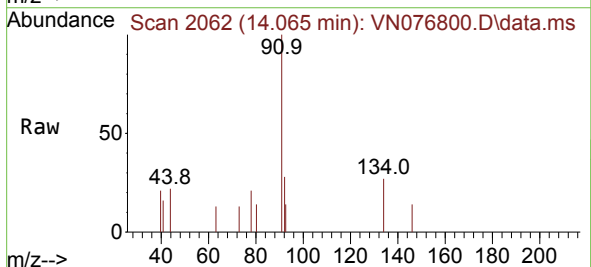
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

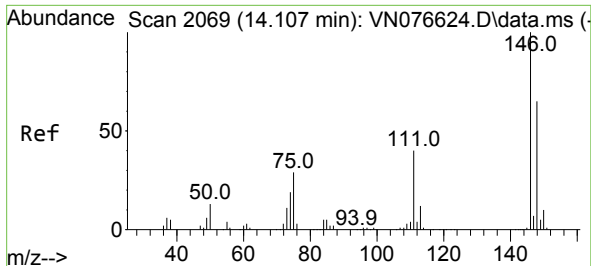
Tgt Ion:146 Resp: 1701
Ion Ratio Lower Upper
146 100
111 39.2 19.4 58.1
148 80.5 32.7 98.1



#89
n-Butylbenzene
Concen: 0.200 ug/l
RT: 14.065 min Scan# 2062
Delta R.T. 0.005 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion: 91 Resp: 1702
Ion Ratio Lower Upper
91 100
92 50.5 26.4 79.0
134 28.6 13.2 39.5

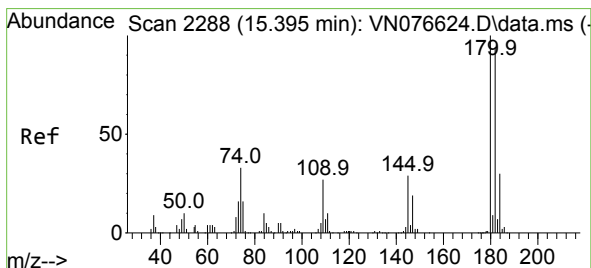
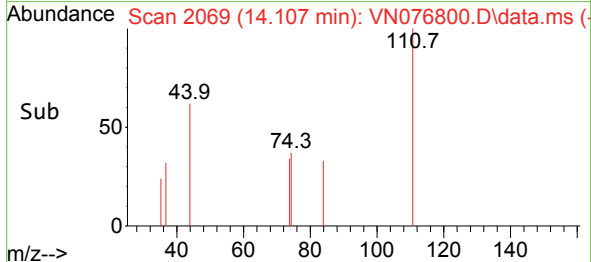
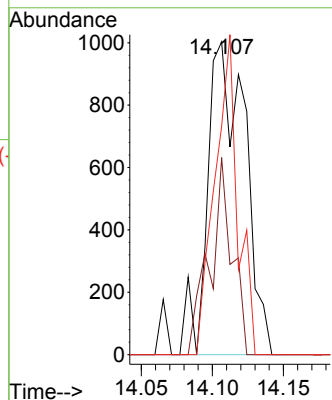
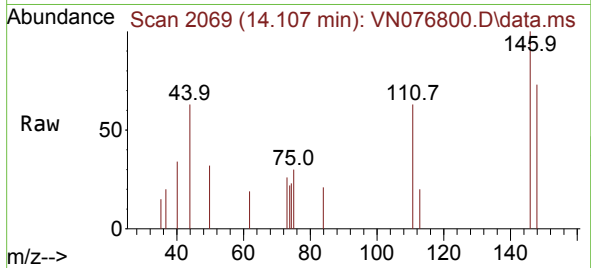




#91
1,2-Dichlorobenzene
Concen: 0.328 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

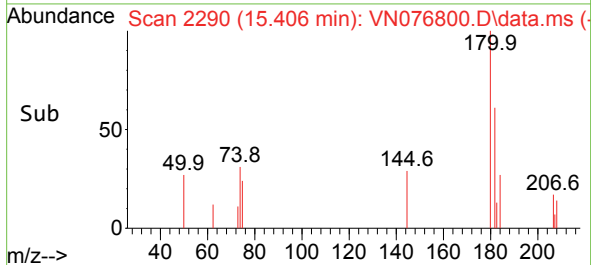
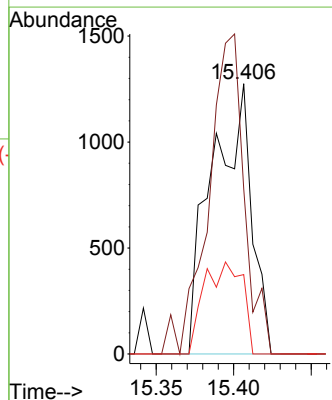
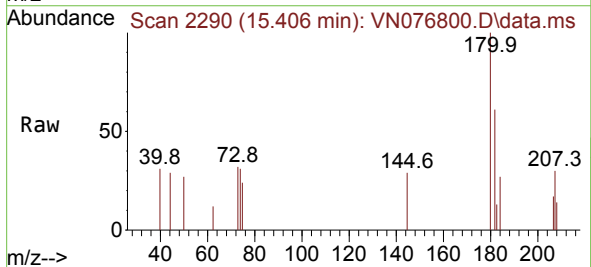
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

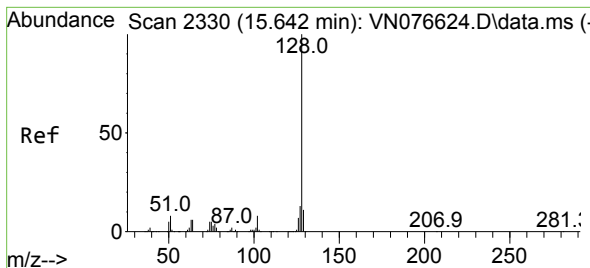
Tgt Ion:146 Resp: 1855
Ion Ratio Lower Upper
146 100
111 37.2 20.0 59.9
148 61.8 32.4 97.2



#93
1,2,4-Trichlorobenzene
Concen: 0.801 ug/l
RT: 15.406 min Scan# 2290
Delta R.T. 0.011 min
Lab File: VN076800.D
Acq: 24 Feb 2023 11:17

Tgt Ion:180 Resp: 2263
Ion Ratio Lower Upper
180 100
182 107.8 48.0 144.0
145 33.0 15.2 45.6





#95

Naphthalene

Concen: 1.188 ug/l

RT: 15.648 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076800.D

Acq: 24 Feb 2023 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

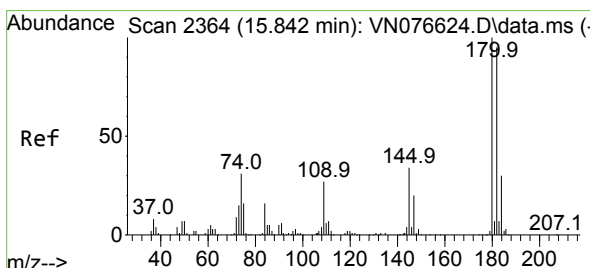
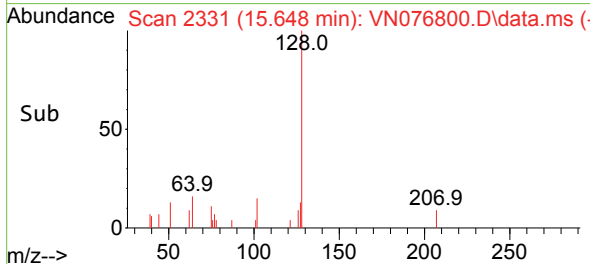
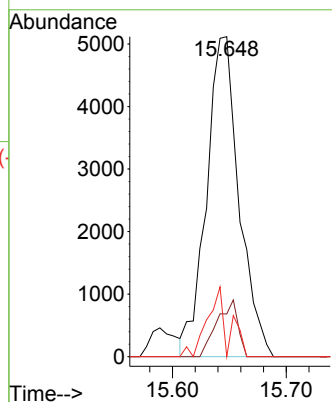
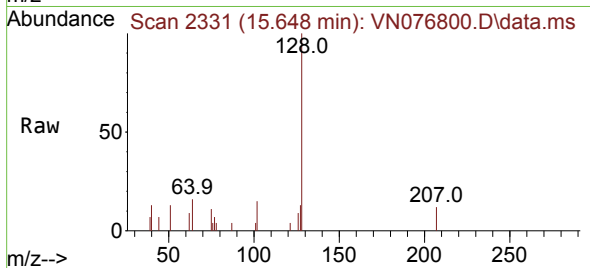
Tgt Ion:128 Resp: 10185

Ion Ratio Lower Upper

128 100

127 11.4 10.6 16.0

129 14.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.035 ug/l

RT: 15.836 min Scan# 2363

Delta R.T. -0.006 min

Lab File: VN076800.D

Acq: 24 Feb 2023 11:17

Tgt Ion:180 Resp: 2834

Ion Ratio Lower Upper

180 100

182 101.3 46.7 140.1

145 16.7 16.0 47.9

