

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN078003.D
 Acq On : 31 May 2023 19:19
 Operator : JC\MD
 Sample : 02943-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230523

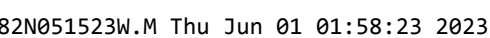
Quant Time: Jun 01 01:58:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

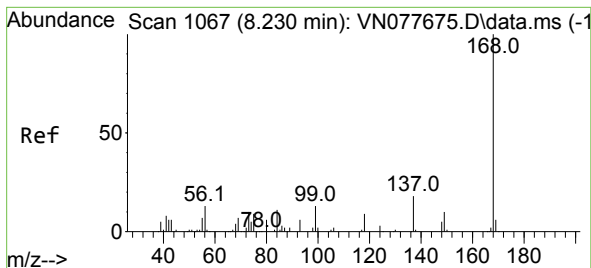
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	360933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	669203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	600248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	191185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	256359	47.470	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.940%
35) Dibromofluoromethane	8.177	113	219956	50.405	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.800%
50) Toluene-d8	10.576	98	838339	49.911	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.859	95	273420	46.091	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1581	Below Cal		90
5) Bromomethane	2.948	94	1131	0.295 ug/l #		35
9) 1,1,2-Trichlorotrifluo...	4.383	101	6551	1.640 ug/l #		89
11) Tert butyl alcohol	5.542	59	309	0.415 ug/l #		72
12) 1,1-Dichloroethene	4.353	96	1669	0.440 ug/l #		57
13) Acrolein	4.195	56	323	Below Cal #		42
16) Acetone	4.477	43	743	0.437 ug/l #		40
20) Methylene Chloride	5.277	84	1957	Below Cal #		88
31) Cyclohexane	8.235	56	8996	1.226 ug/l #		56
36) 1,1-Dichloropropene	8.230	75	31230	4.893 ug/l #		50
38) Carbon Tetrachloride	8.235	117	41264	6.402 ug/l #		16
39) Methylcyclohexane	9.365	83	5370	0.687 ug/l #		1
44) Trichloroethene	9.359	130	360326	75.552 ug/l		97
76) 1,2,3-Trichloropropane	12.859	75	142847	29.835 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	142847	95.367 ug/l #		15

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

Quant Time: Jun 01 01:58:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

Instrument :

MSVOA_N

ClientSampleId :

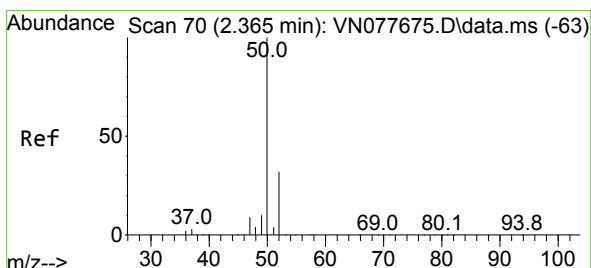
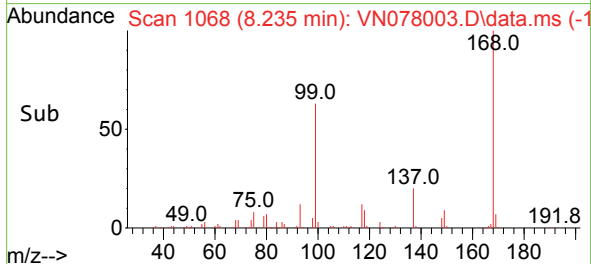
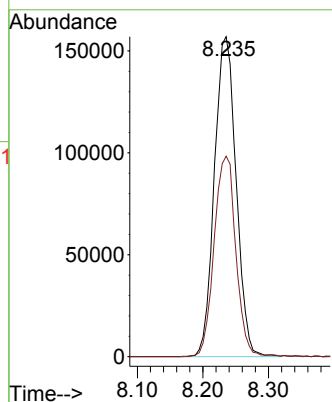
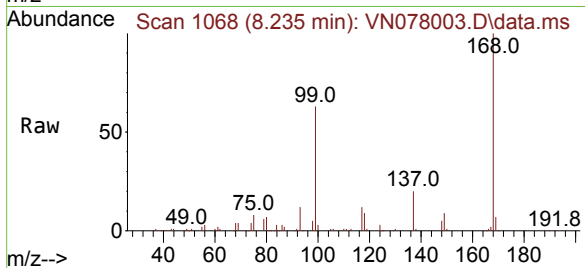
TT101D2-20230523

Tgt Ion:168 Resp: 360933

Ion Ratio Lower Upper

168 100

99 62.7 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN078003.D

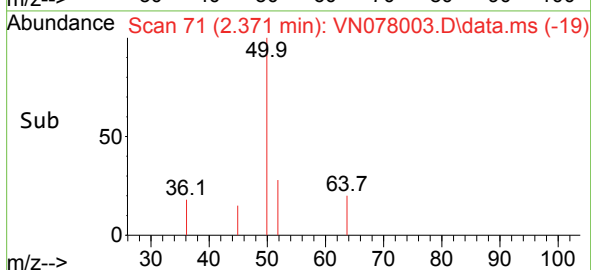
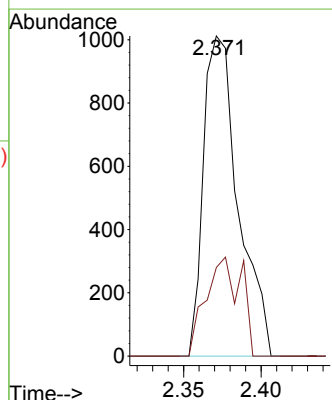
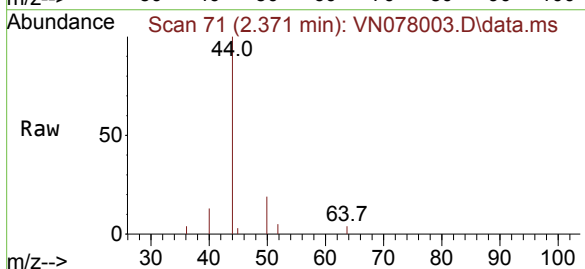
Acq: 31 May 2023 19:19

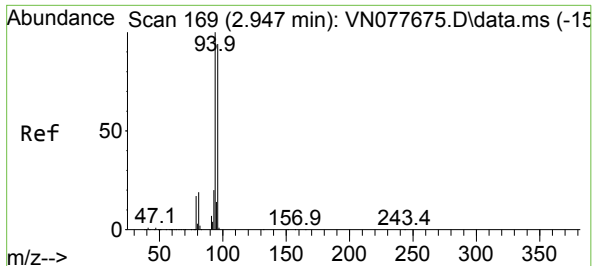
Tgt Ion: 50 Resp: 1581

Ion Ratio Lower Upper

50 100

52 27.7 26.5 39.7

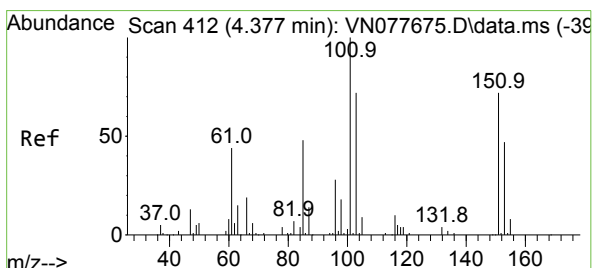
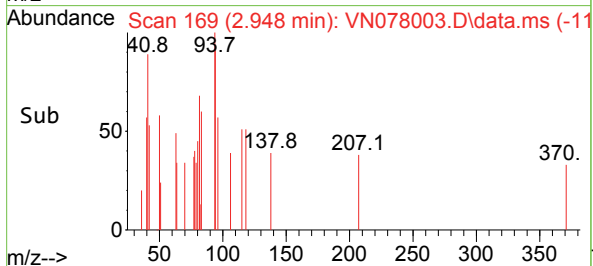
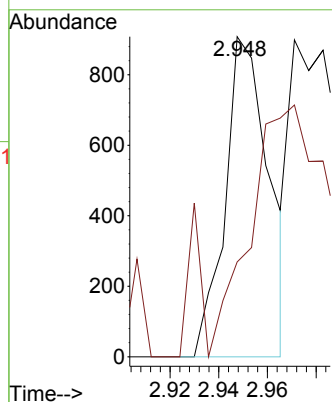
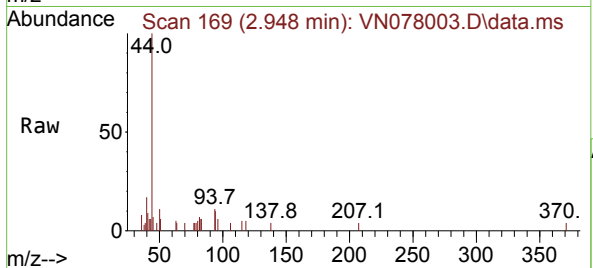




#5
Bromomethane
Concen: 0.295 ug/l
RT: 2.948 min Scan# 1131
Delta R.T. 0.001 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

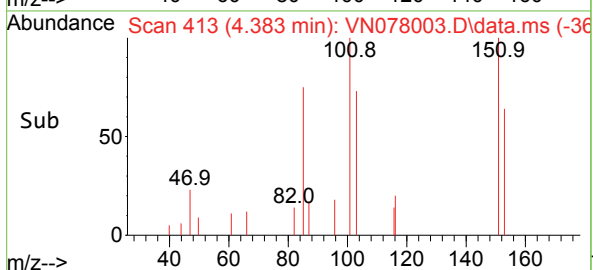
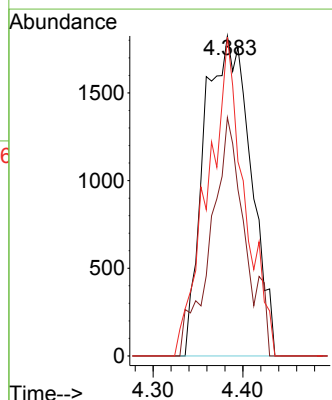
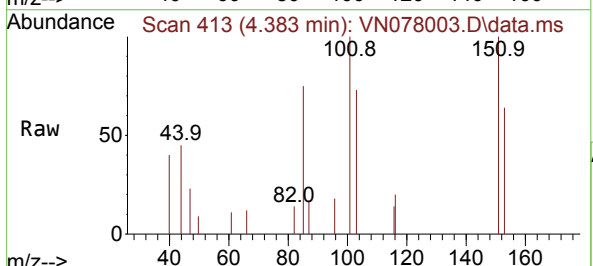
Instrument :
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TT101D2-20230523

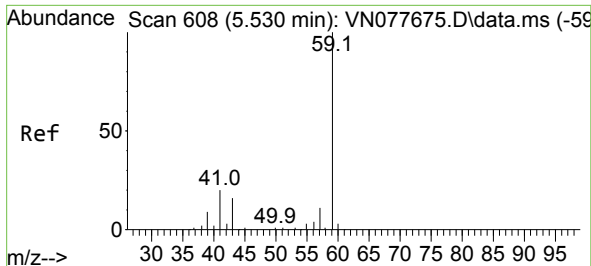
Tgt Ion: 94 Resp: 1131
Ion Ratio Lower Upper
94 100
96 29.6 73.1 109.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.640 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

Tgt Ion:101 Resp: 6551
Ion Ratio Lower Upper
101 100
85 55.3 36.6 55.0#
151 78.9 57.6 86.4





#11

Tert butyl alcohol

Concen: 0.415 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.012 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

Instrument :

MSVOA_N

ClientSampleId :

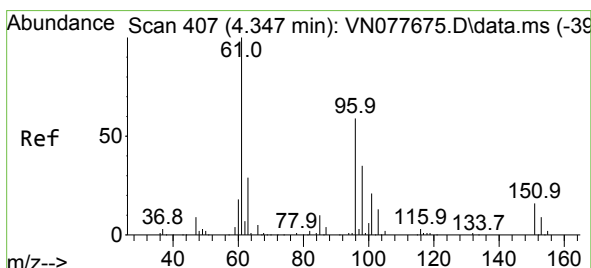
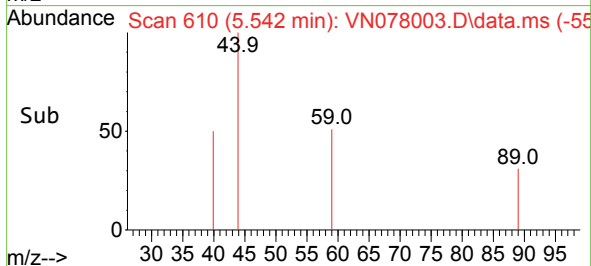
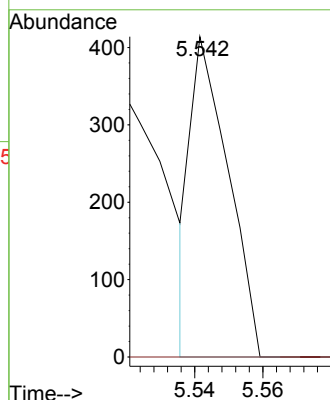
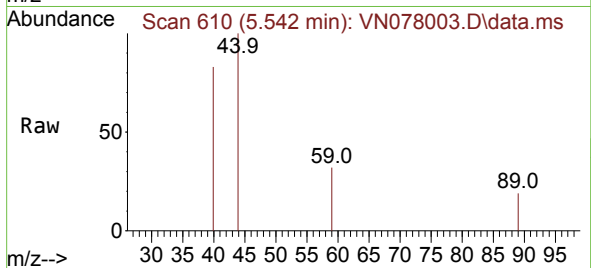
TT101D2-20230523

Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.440 ug/l

RT: 4.353 min Scan# 408

Delta R.T. 0.006 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

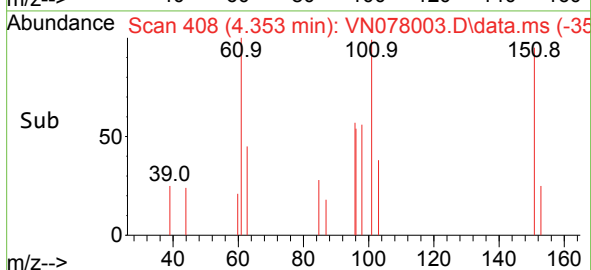
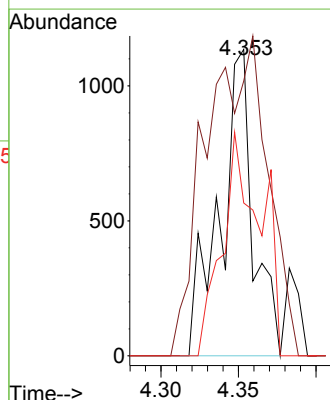
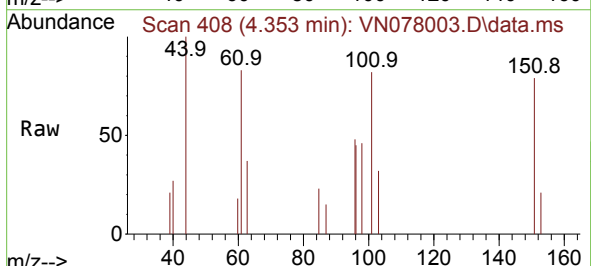
Tgt Ion: 96 Resp: 1669

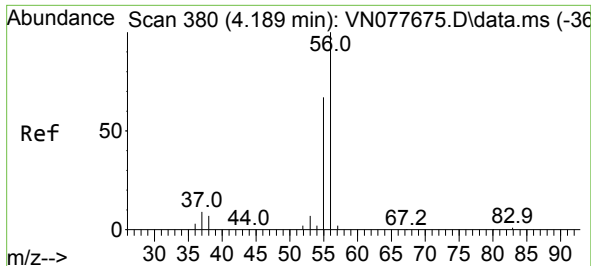
Ion Ratio Lower Upper

96 100

61 74.4 112.7 169.1#

98 49.9 51.2 76.8#





#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

Instrument :

MSVOA_N

ClientSampleId :

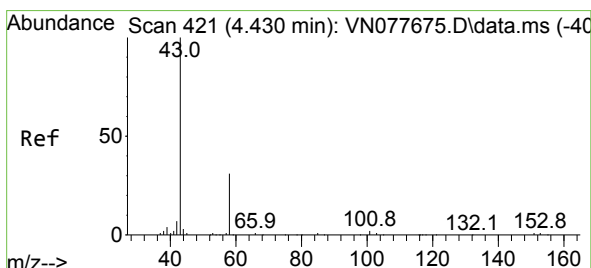
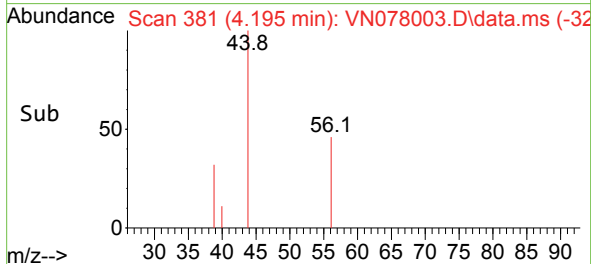
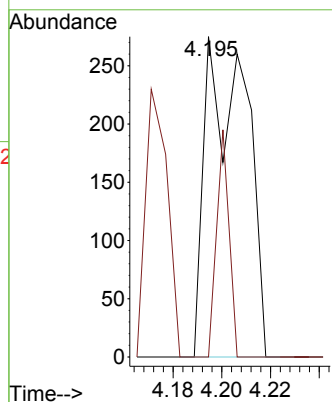
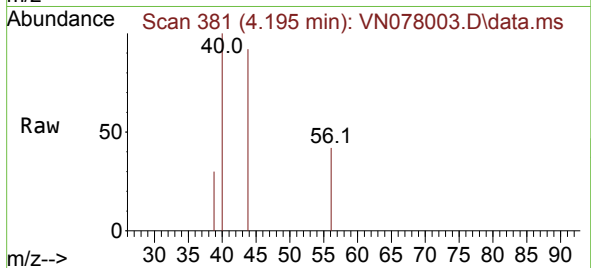
TT101D2-20230523

Tgt Ion: 56 Resp: 323

Ion Ratio Lower Upper

56 100

55 21.4 54.5 81.7#



#16

Acetone

Concen: 0.437 ug/l

RT: 4.477 min Scan# 429

Delta R.T. 0.047 min

Lab File: VN078003.D

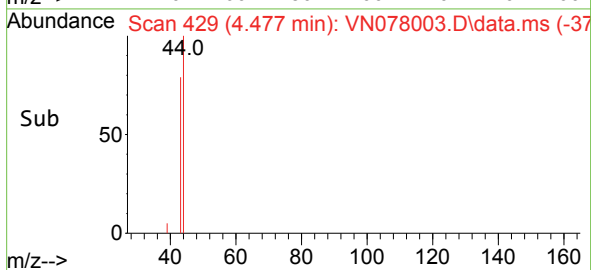
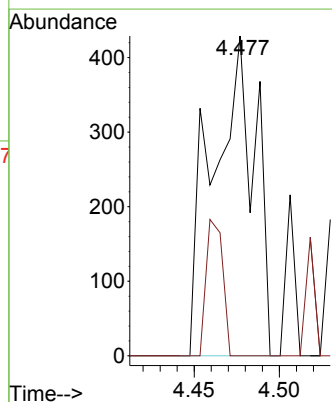
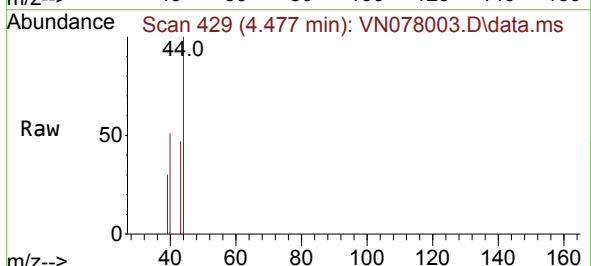
Acq: 31 May 2023 19:19

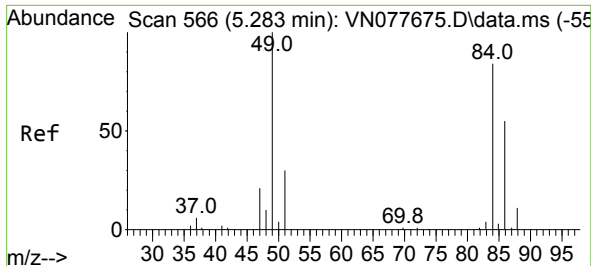
Tgt Ion: 43 Resp: 743

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#

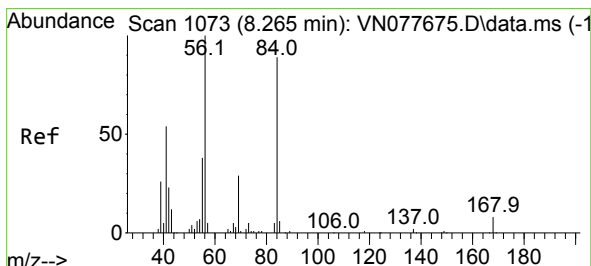
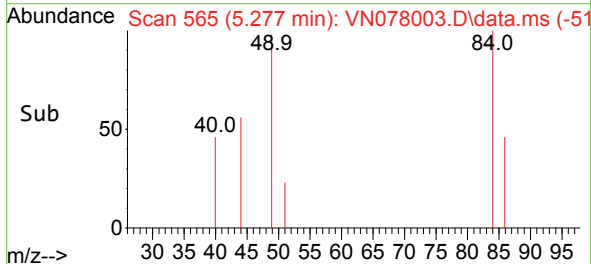
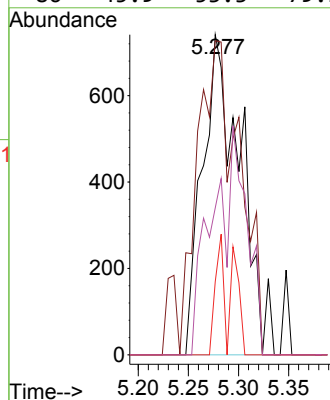
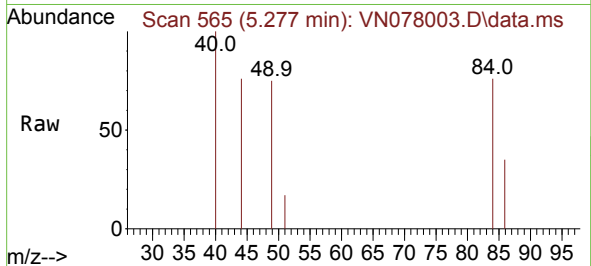




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

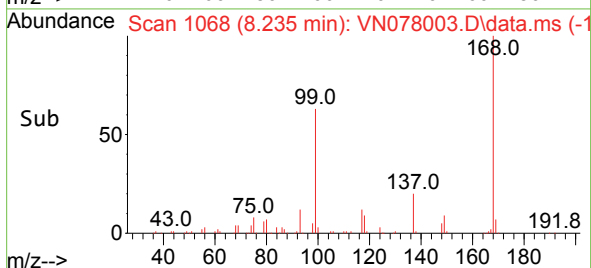
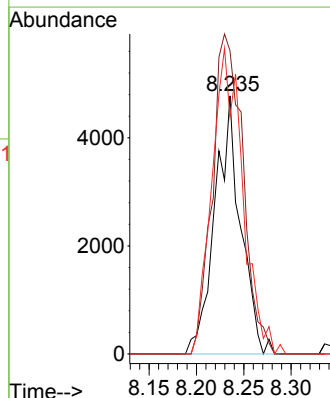
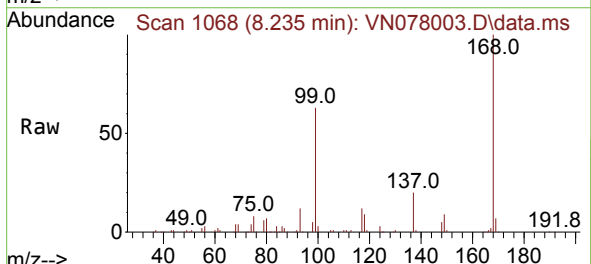
Instrument :
MSVOA_N
ClientSampleId :
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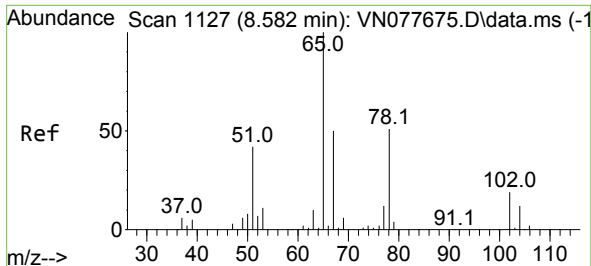
Tgt Ion:	84	Resp:	1957
Ion	Ratio	Lower	Upper
84	100		
49	98.1	79.7	119.5
51	22.8	25.2	37.8#
86	45.9	53.3	79.9#



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

Tgt Ion:	56	Resp:	8996
Ion	Ratio	Lower	Upper
56	100		
69	117.5	26.8	40.2#
84	92.0	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 47.470 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

Instrument :

MSVOA_N

ClientSampleId :

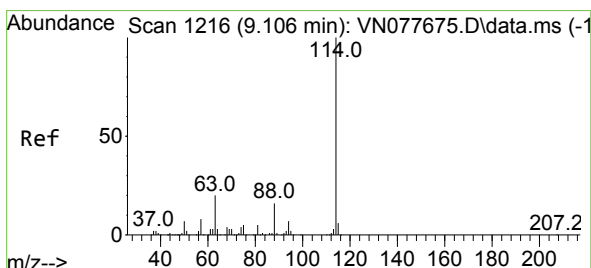
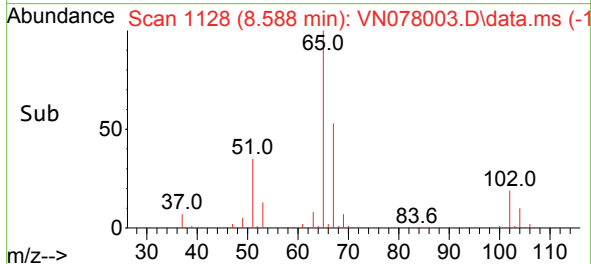
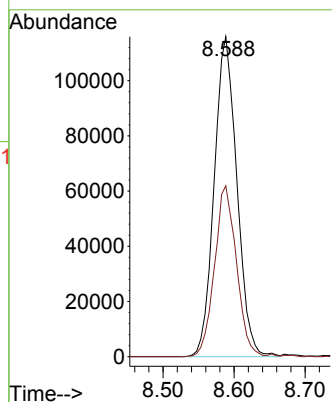
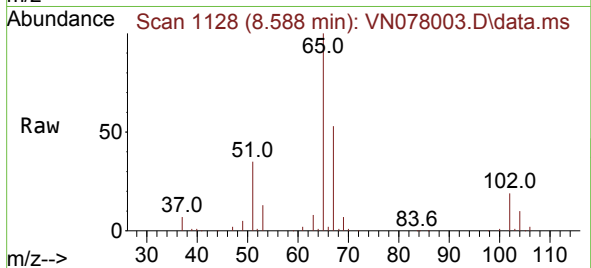
TT101D2-20230523

Tgt Ion: 65 Resp: 256359

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

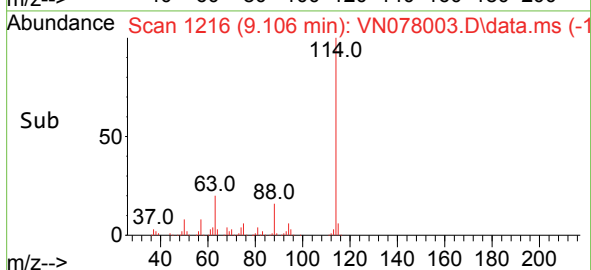
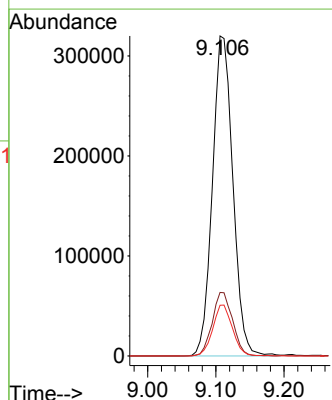
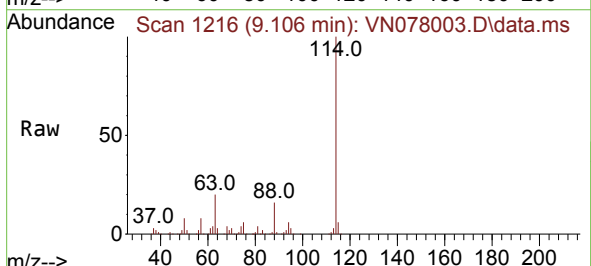
Tgt Ion: 114 Resp: 669203

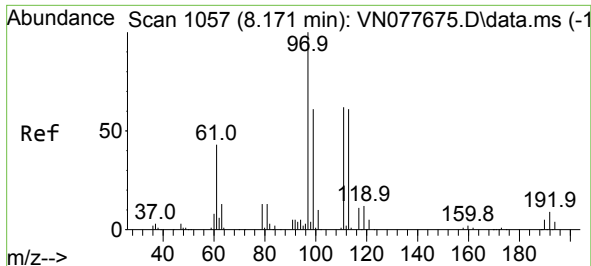
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.405 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN078003.D

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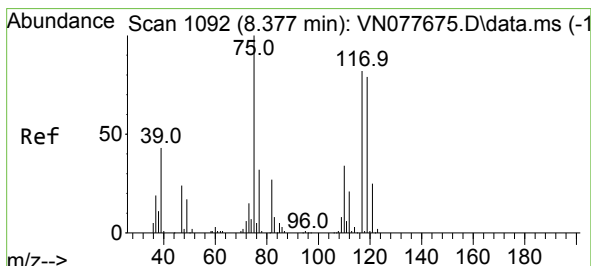
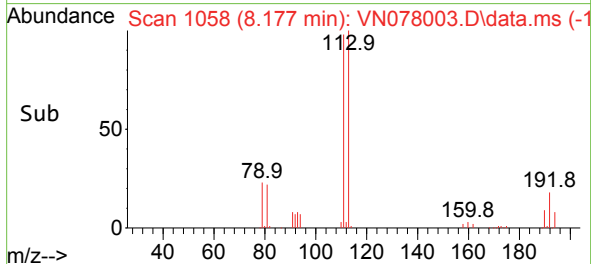
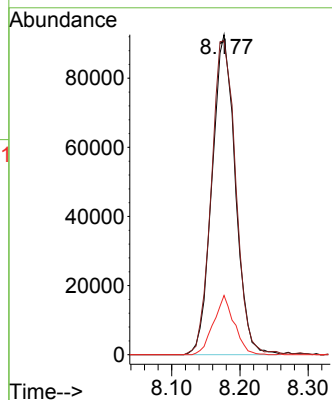
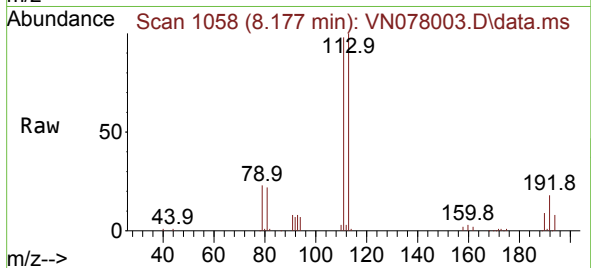
Tgt Ion:113 Resp: 219956

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 16.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

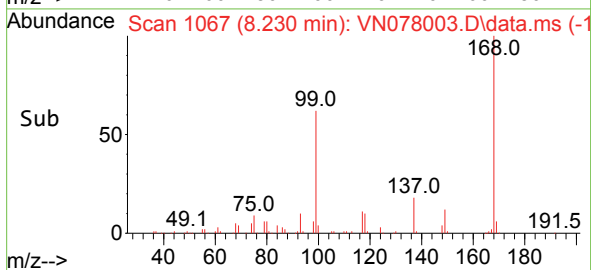
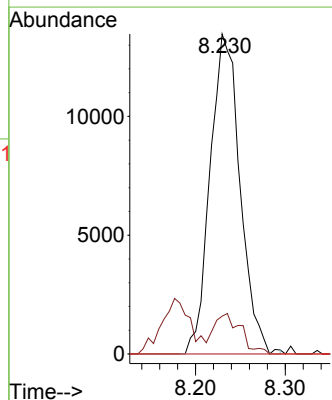
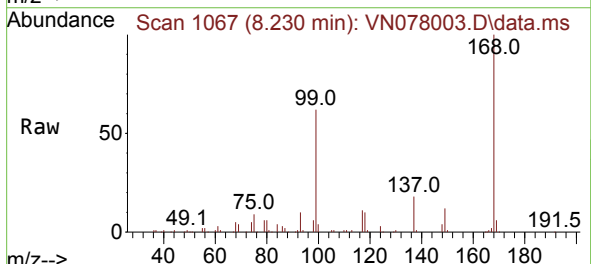
Tgt Ion: 75 Resp: 31230

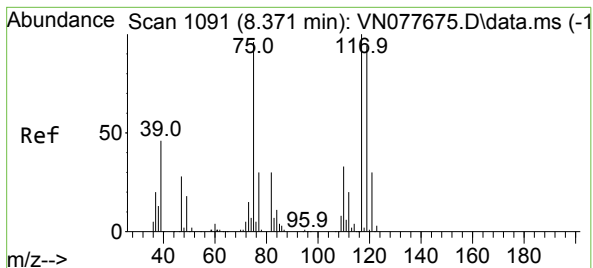
Ion Ratio Lower Upper

75 100

110 11.3 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.402 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.136 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

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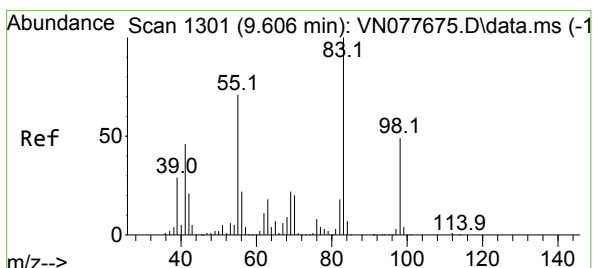
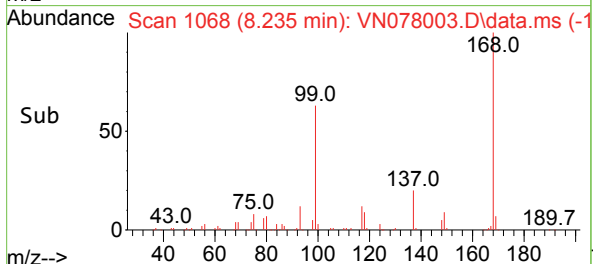
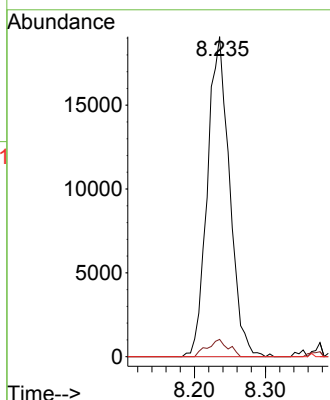
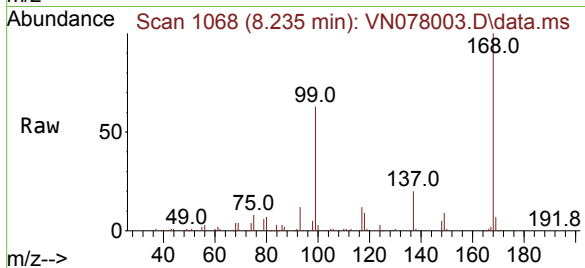
Tgt Ion:117 Resp: 41264

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 0.687 ug/l

RT: 9.365 min Scan# 1260

Delta R.T. -0.241 min

Lab File: VN078003.D

Acq: 31 May 2023 19:19

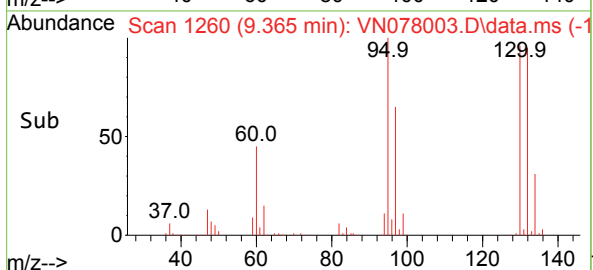
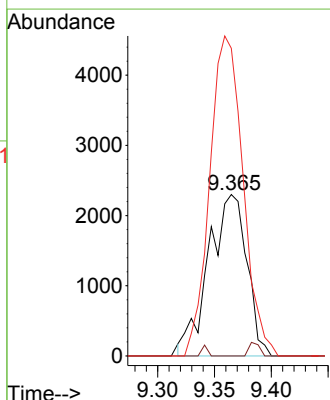
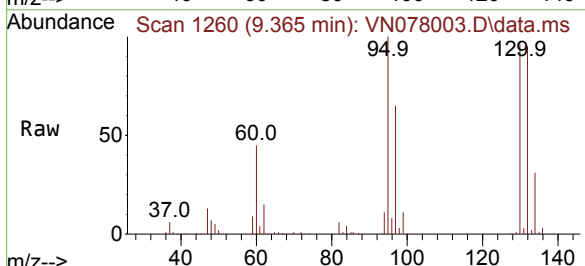
Tgt Ion: 83 Resp: 5370

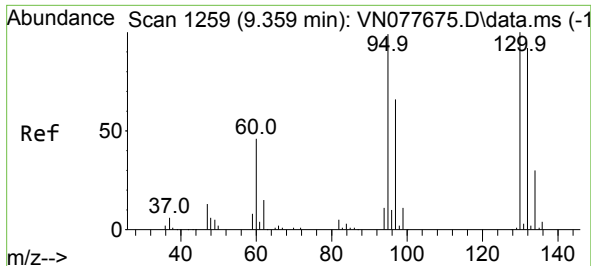
Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 190.7 40.6 61.0#

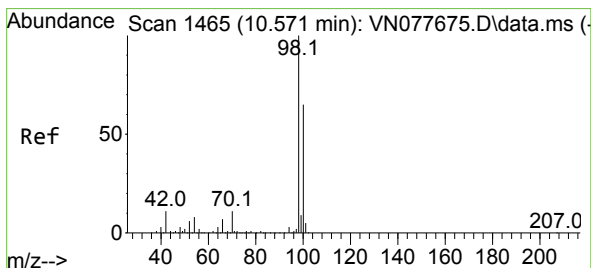
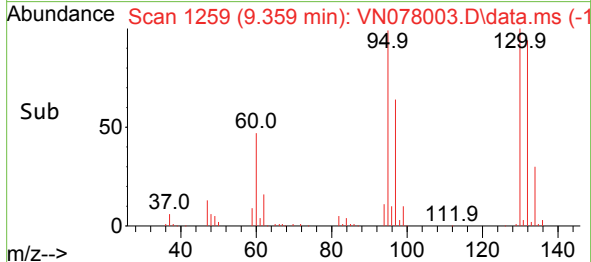
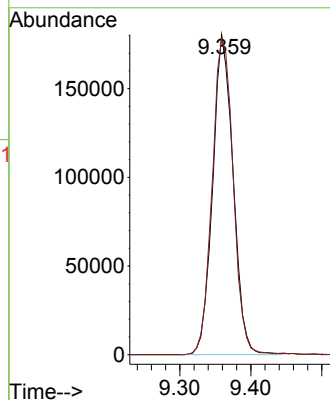
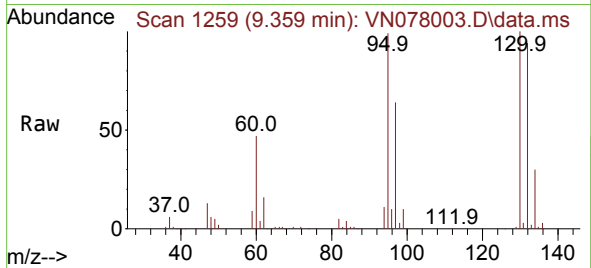




#44
Trichloroethene
Concen: 75.552 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

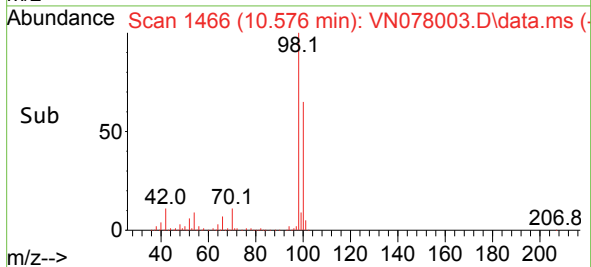
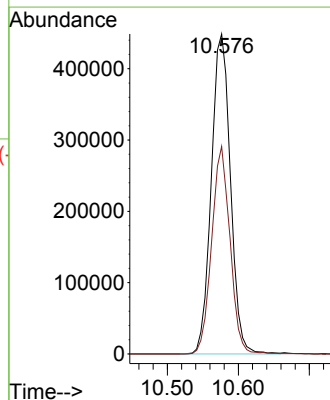
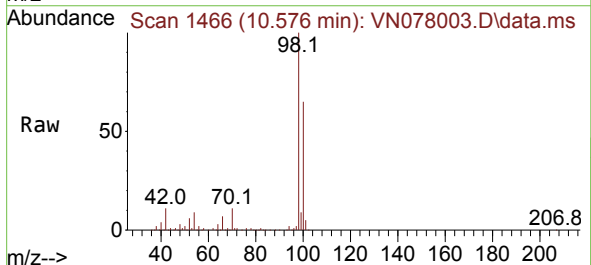
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230523

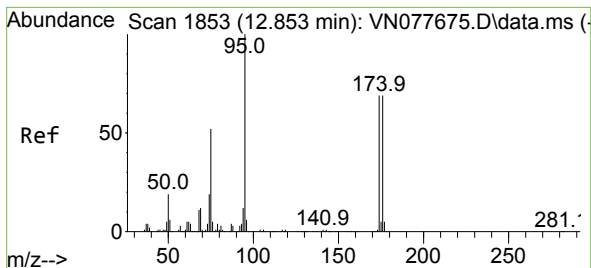
Tgt Ion:130 Resp: 360326
Ion Ratio Lower Upper
130 100
95 98.8 0.0 204.6



#50
Toluene-d8
Concen: 49.911 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

Tgt Ion: 98 Resp: 838339
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0

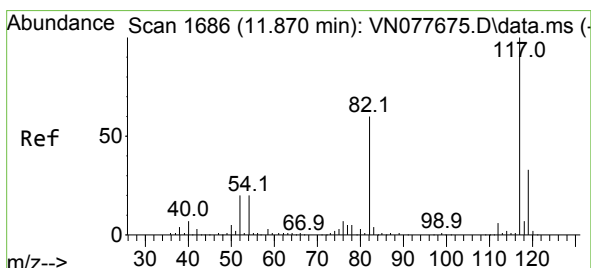
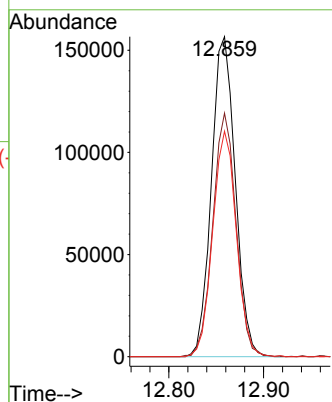
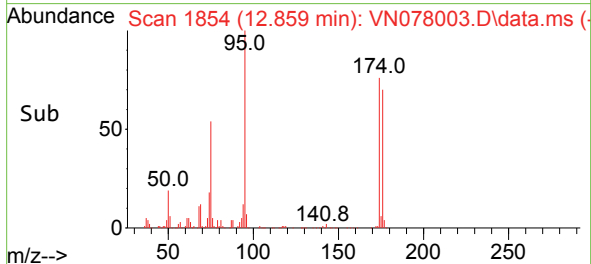
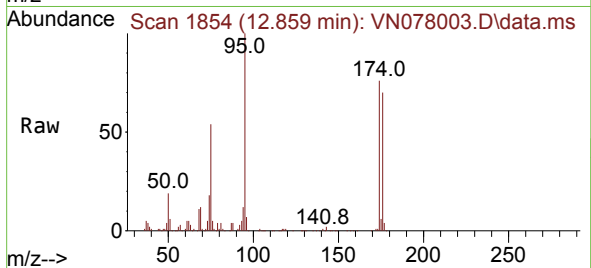




#62
4-Bromofluorobenzene
Concen: 46.091 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

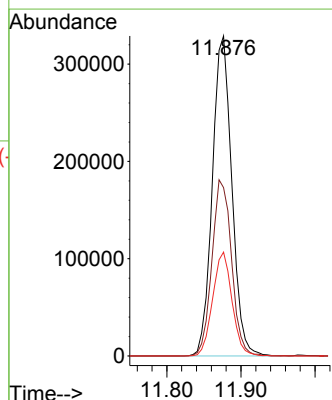
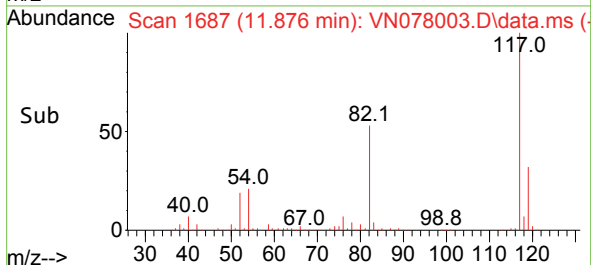
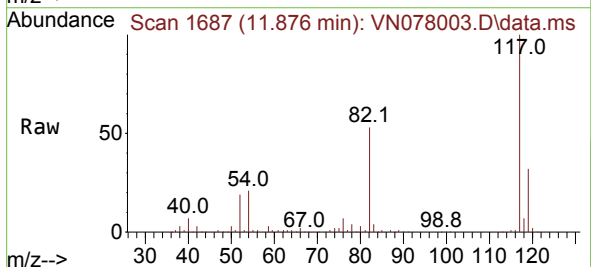
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230523

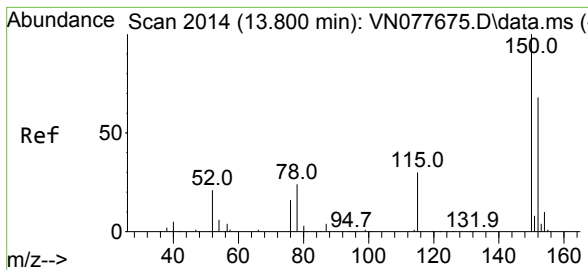
Tgt Ion: 95 Resp: 273420
Ion Ratio Lower Upper
95 100
174 74.3 0.0 143.8
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN078003.D
Acq: 31 May 2023 19:19

Tgt Ion: 117 Resp: 600248
Ion Ratio Lower Upper
117 100
82 52.6 44.0 66.0
119 32.5 25.6 38.4

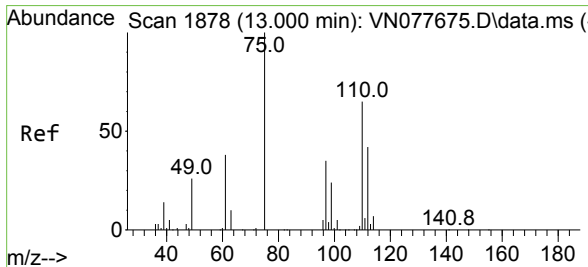
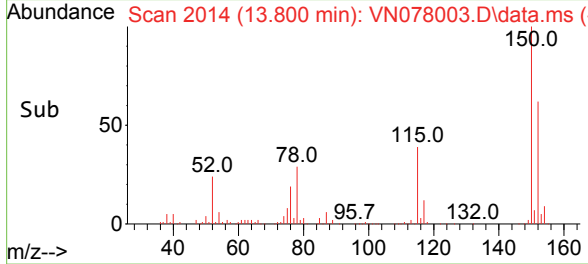
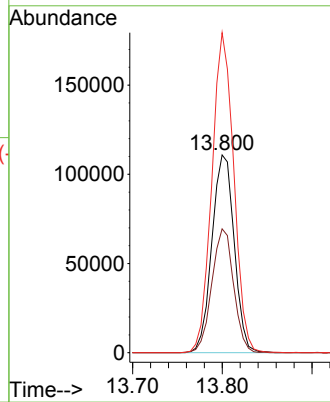
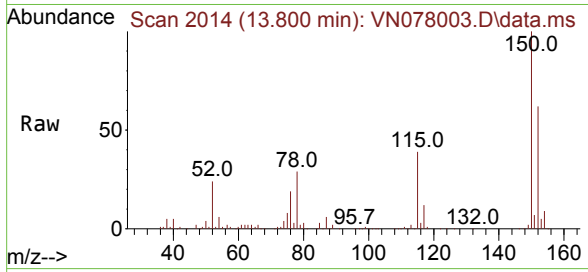




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078003.D
 Acq: 31 May 2023 19:19

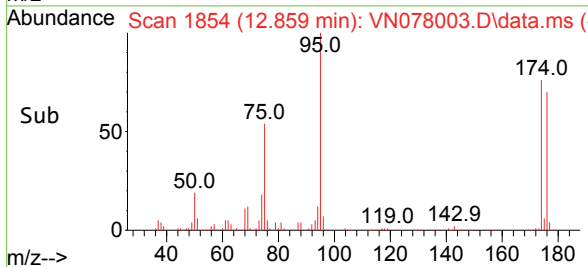
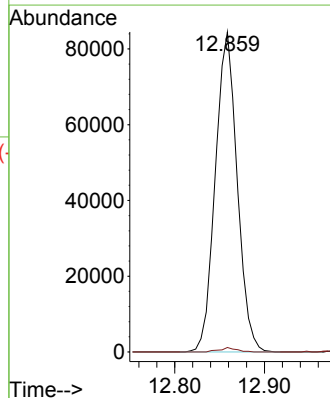
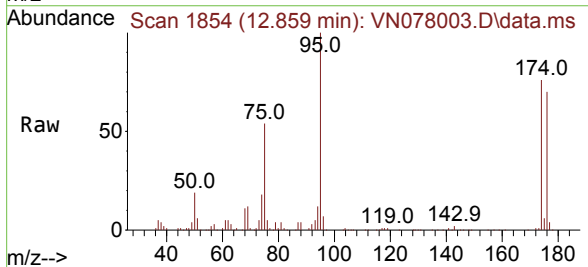
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230523

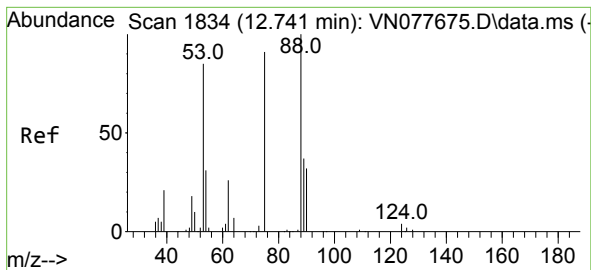
Tgt Ion:152 Resp: 191185
 Ion Ratio Lower Upper
 152 100
 115 61.3 32.3 96.8
 150 159.0 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 29.835 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN078003.D
 Acq: 31 May 2023 19:19

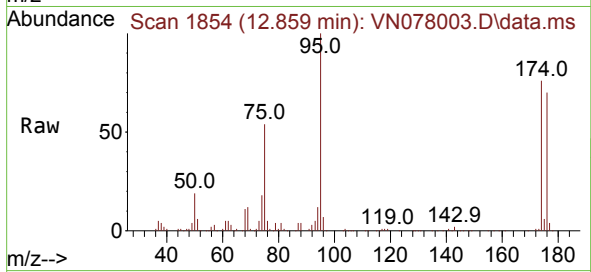
Tgt Ion: 75 Resp: 142847
 Ion Ratio Lower Upper
 75 100
 77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.367 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078003.D
 Acq: 31 May 2023 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230523



Tgt Ion: 75 Resp: 142847
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

