

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077739.D
 Acq On : 18 May 2023 16:19
 Operator : JC\MD
 Sample : 02834-06 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20230516

Quant Time: May 29 08:52:10 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)

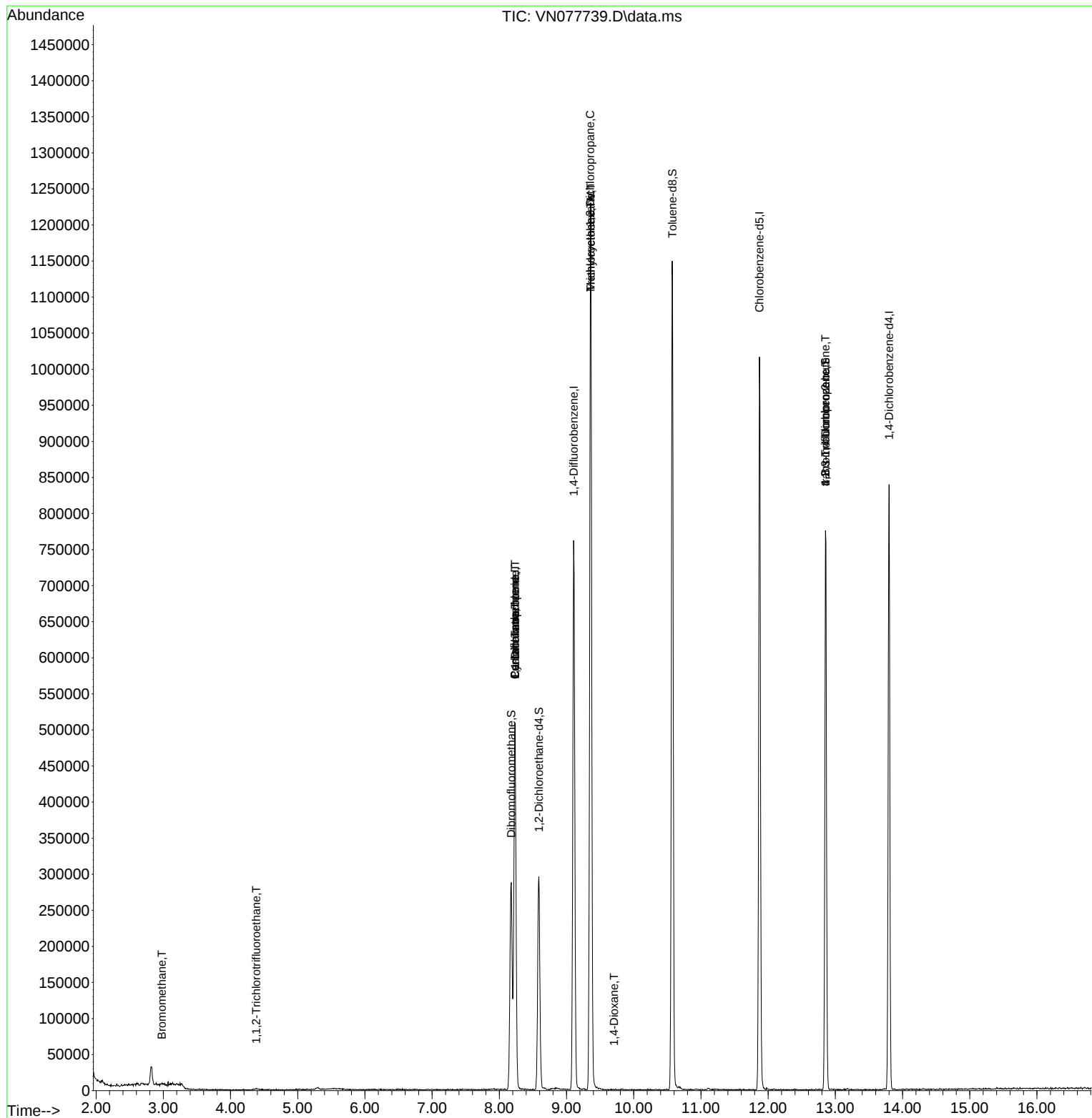
Internal Standards						
1) Pentafluorobenzene	8.230	168	366348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	668533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	599474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	224288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	250762	45.747	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.500%
35) Dibromofluoromethane	8.177	113	210500	48.286	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.580%
50) Toluene-d8	10.577	98	830566	49.498	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.000%
62) 4-Bromofluorobenzene	12.853	95	281954	47.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	969	Below Cal	#	42
5) Bromomethane	2.977	94	1014	0.261	ug/l #	77
9) 1,1,2-Trichlorotrifluo...	4.383	101	1368	0.337	ug/l #	41
13) Acrolein	4.201	56	229	Below Cal	#	75
20) Methylene Chloride	5.289	84	2180	Below Cal	#	61
31) Cyclohexane	8.236	56	8604	1.155	ug/l #	38
36) 1,1-Dichloropropene	8.236	75	31301	4.909	ug/l #	48
38) Carbon Tetrachloride	8.236	117	42173	6.550	ug/l #	15
39) Methylcyclohexane	9.359	83	6017	0.771	ug/l #	1
44) Trichloroethene	9.359	130	432658	90.809	ug/l	99
45) 1,2-Dichloropropane	9.353	63	1614	0.336	ug/l #	1
49) 1,4-Dioxane	9.706	88	59	0.710	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	150008	26.706	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	150008	85.367	ug/l #	15

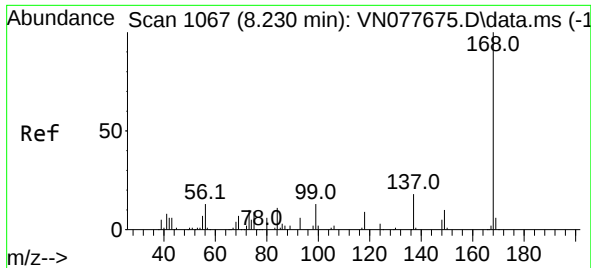
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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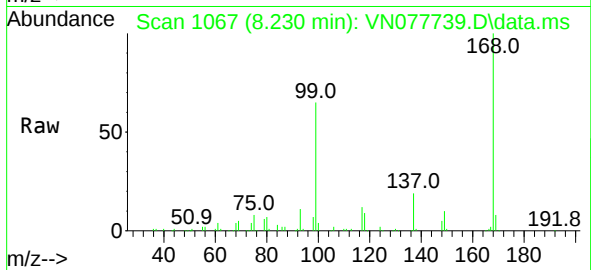
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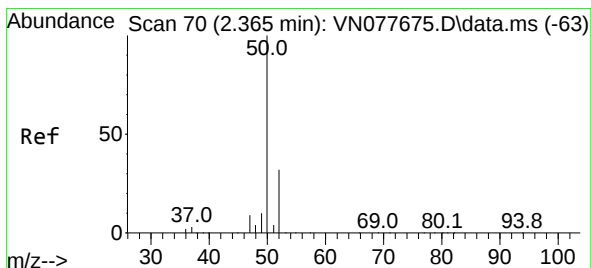
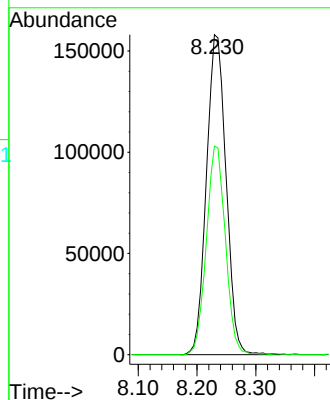
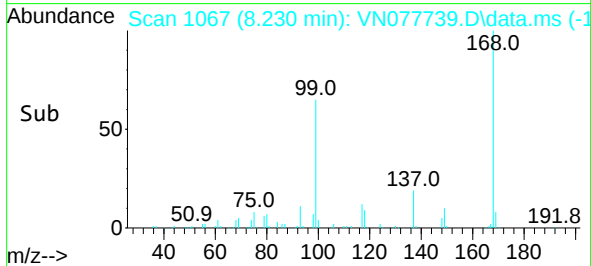


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20230516

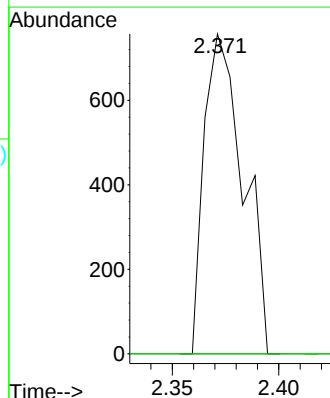
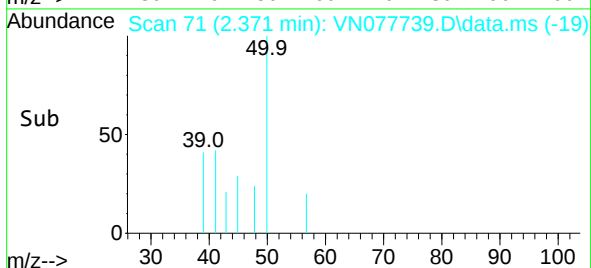
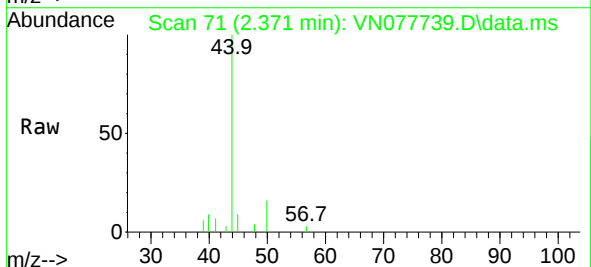


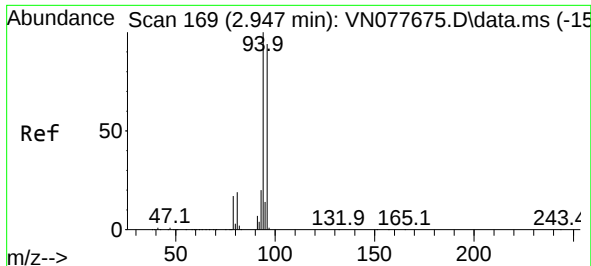
Tgt Ion:168 Resp: 366348
Ion Ratio Lower Upper
168 100
99 65.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Tgt Ion: 50 Resp: 969
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

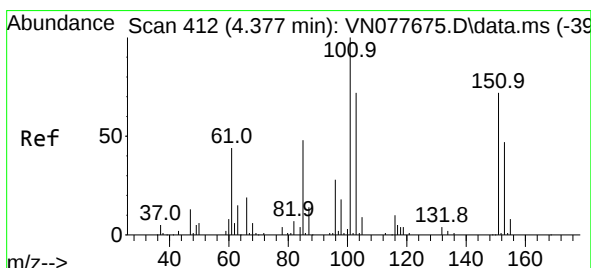
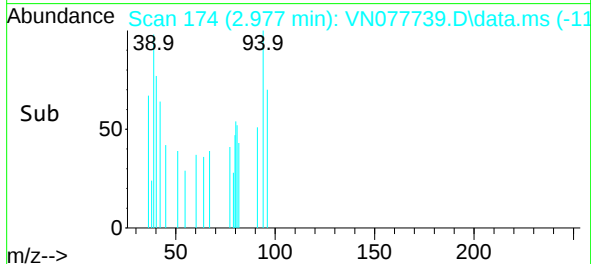
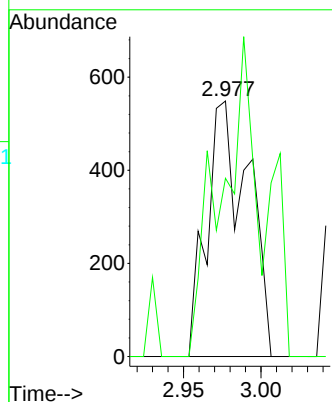
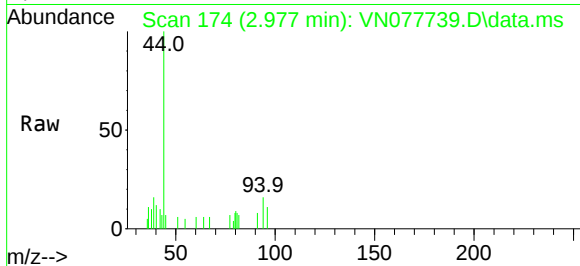




#5
Bromomethane
Concen: 0.261 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

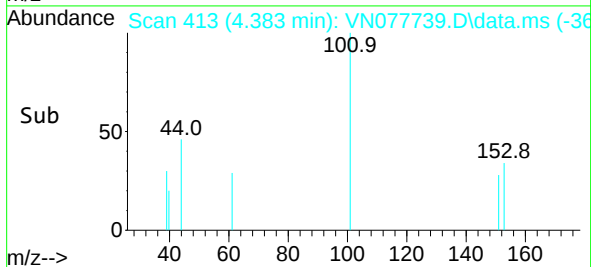
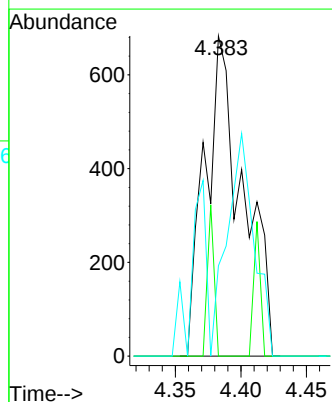
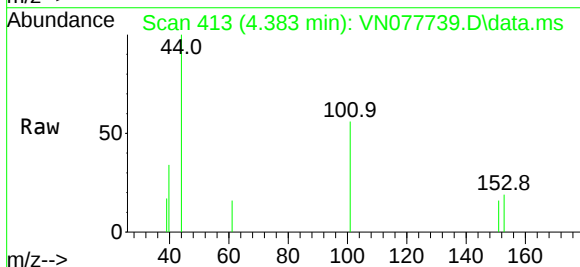
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20230516

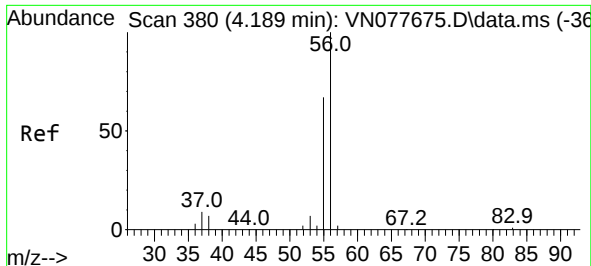
Tgt Ion: 94 Resp: 1014
Ion Ratio Lower Upper
94 100
96 69.8 73.1 109.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.337 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Tgt Ion:101 Resp: 1368
Ion Ratio Lower Upper
101 100
85 8.3 36.6 55.0#
151 21.9 57.6 86.4#





#13

Acrolein

Concen: Below Cal

RT: 4.201 min Scan# 3

Delta R.T. 0.012 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

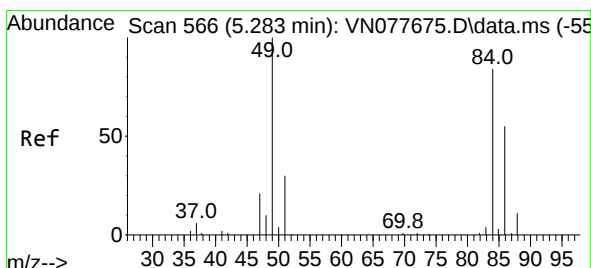
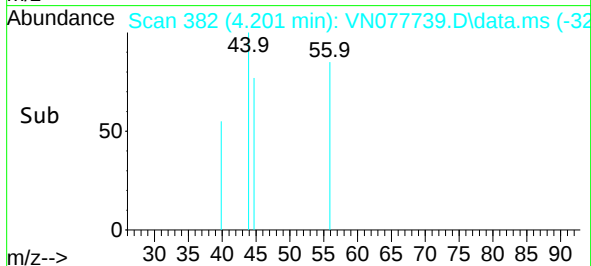
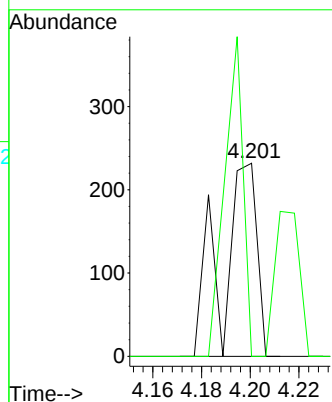
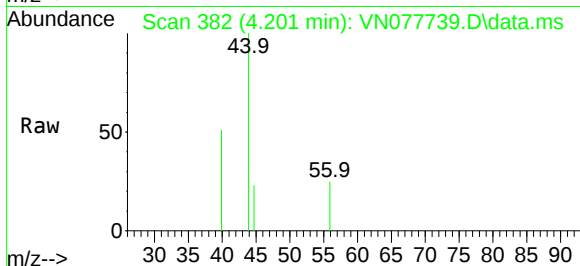
RE122D2-20230516

Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 88.6 54.5 81.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 567

Delta R.T. 0.006 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

Tgt Ion: 84 Resp: 2180

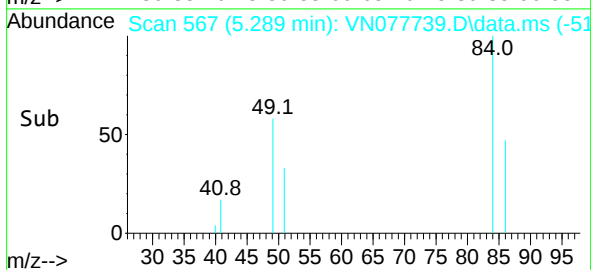
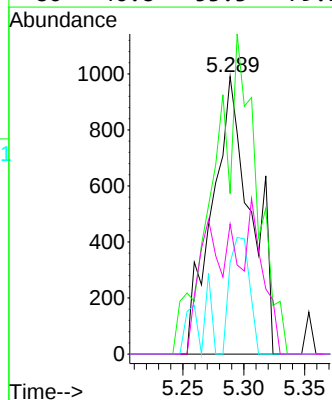
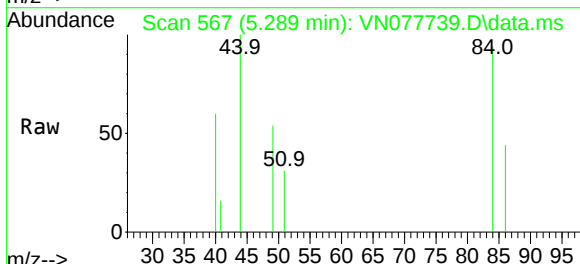
Ion Ratio Lower Upper

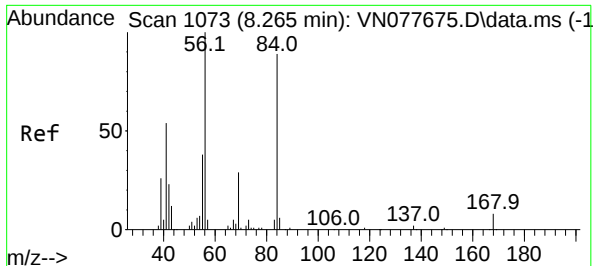
84 100

49 38.8 79.7 119.5#

51 33.0 25.2 37.8

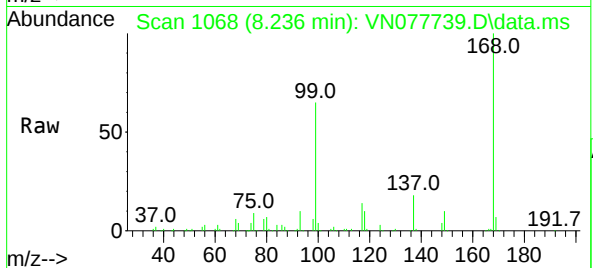
86 46.8 53.3 79.9#



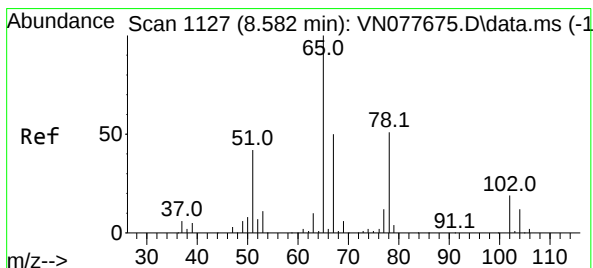
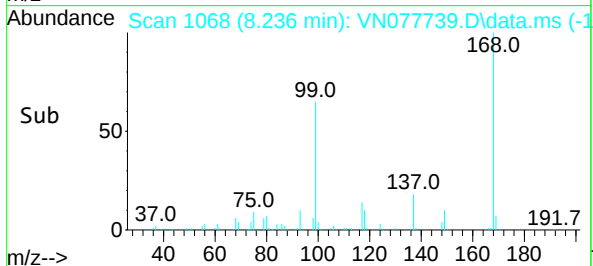
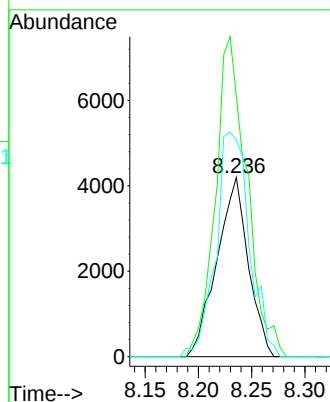


#31
Cyclohexane
Concen: 1.155 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20230516

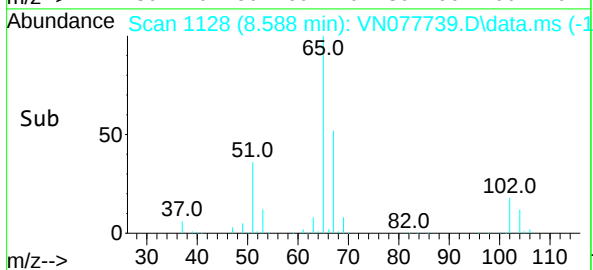
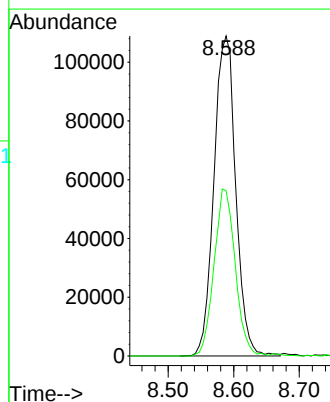
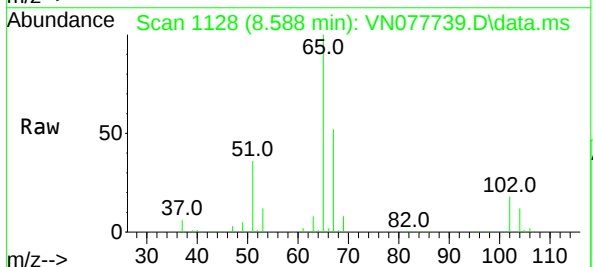


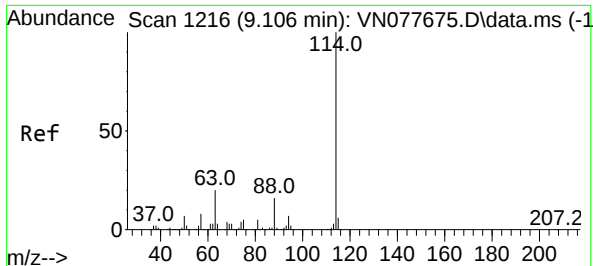
Tgt Ion: 56 Resp: 8604
Ion Ratio Lower Upper
56 100
69 145.4 26.8 40.2#
84 120.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 45.747 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Tgt Ion: 65 Resp: 250762
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20230516

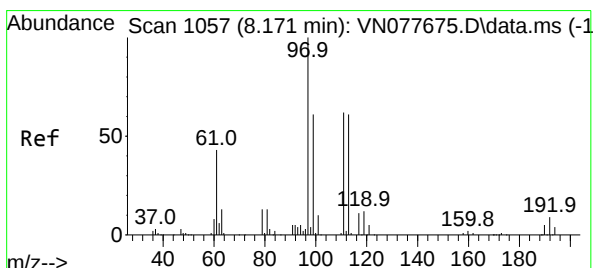
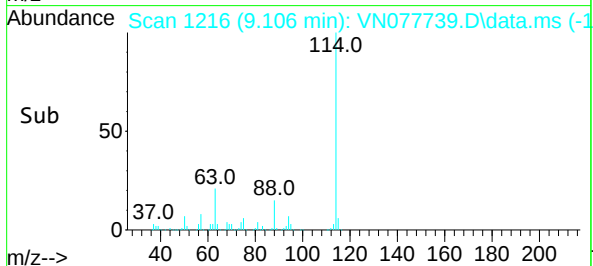
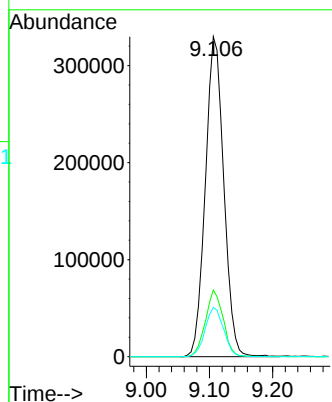
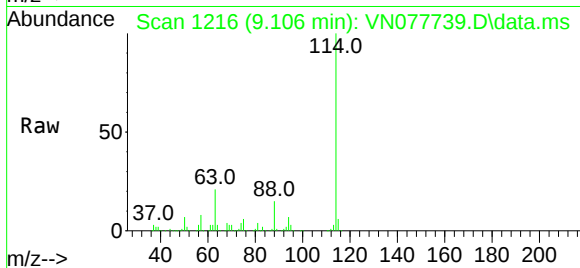
Tgt Ion:114 Resp: 668533

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.286 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

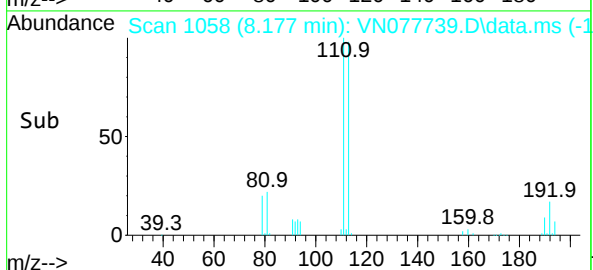
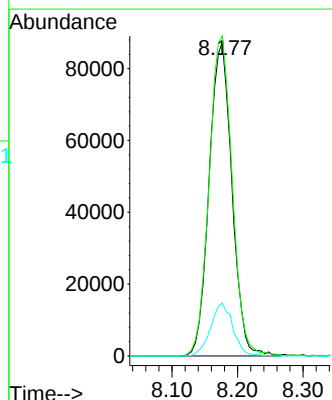
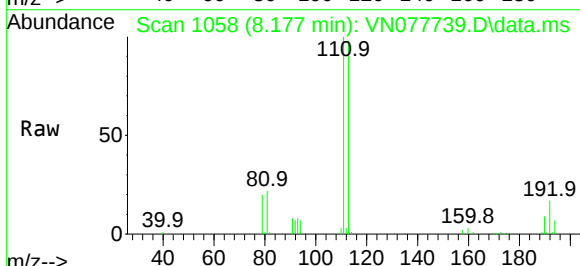
Tgt Ion:113 Resp: 210500

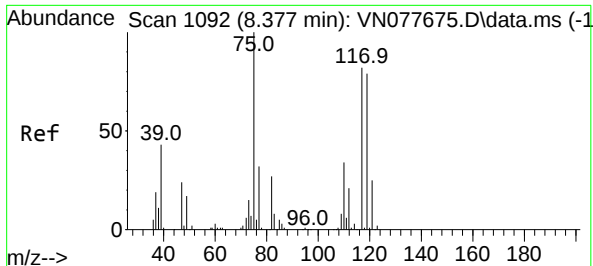
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20230516

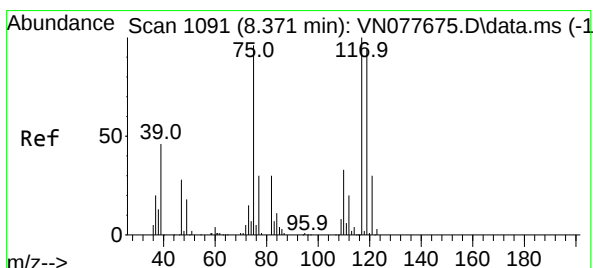
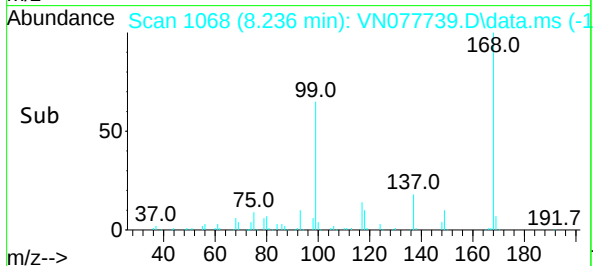
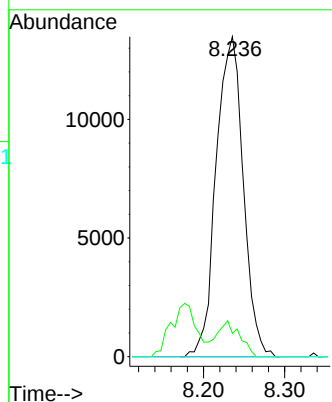
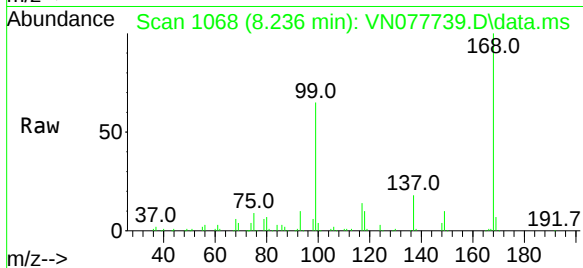
Tgt Ion: 75 Resp: 31301

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.550 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

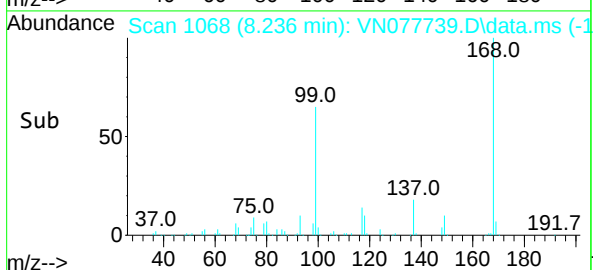
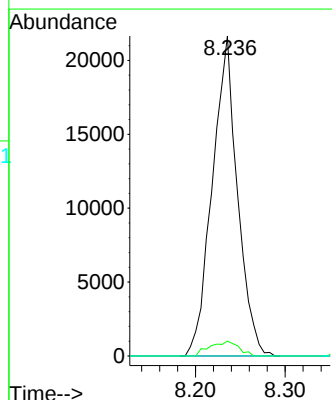
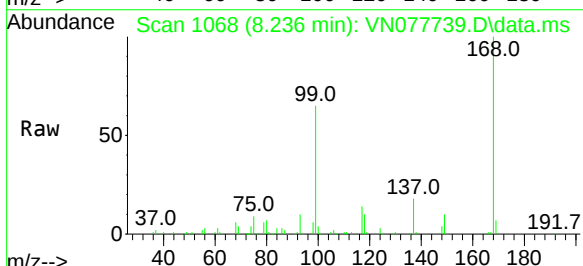
Tgt Ion: 117 Resp: 42173

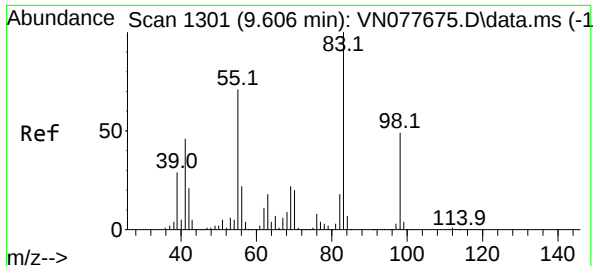
Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.771 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

Instrument :

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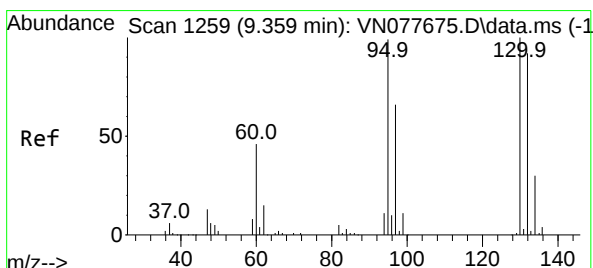
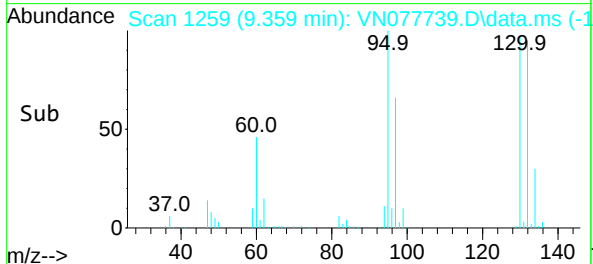
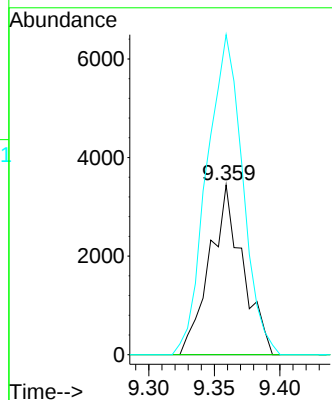
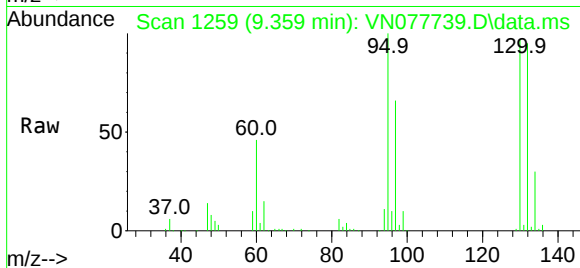
Tgt Ion: 83 Resp: 6017

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 188.5 40.6 61.0#



#44

Trichloroethene

Concen: 90.809 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN077739.D

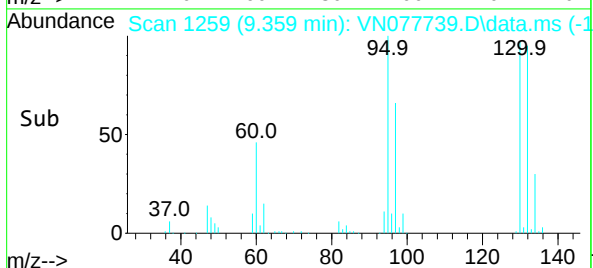
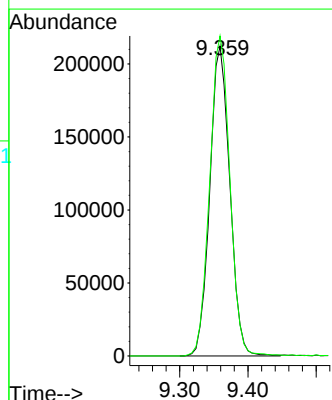
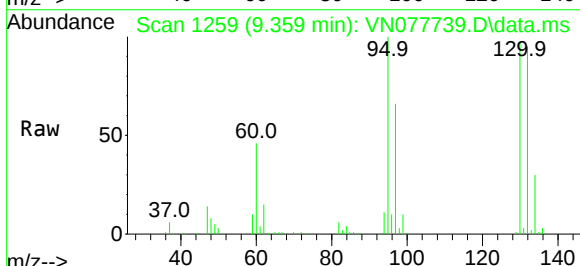
Acq: 18 May 2023 16:19

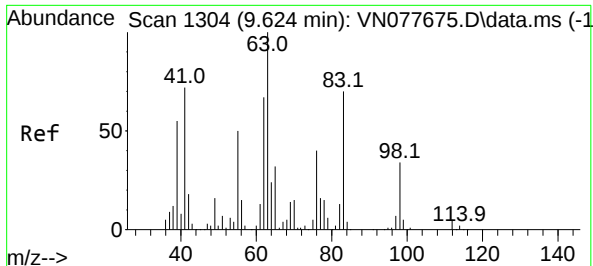
Tgt Ion:130 Resp: 432658

Ion Ratio Lower Upper

130 100

95 103.3 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.336 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

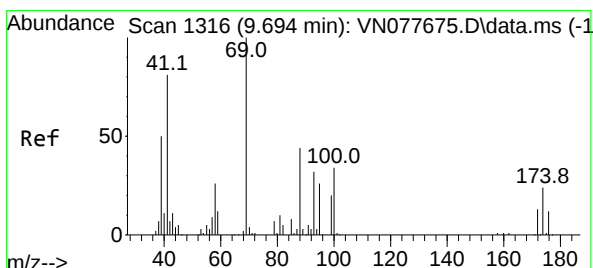
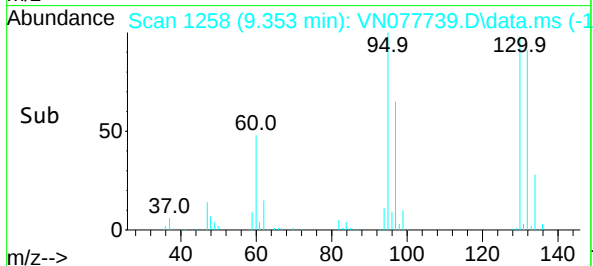
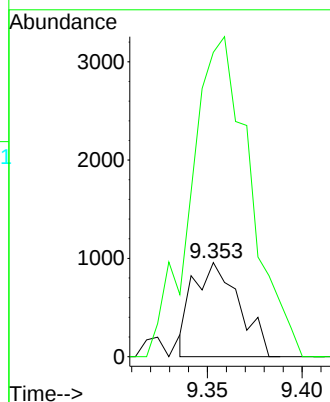
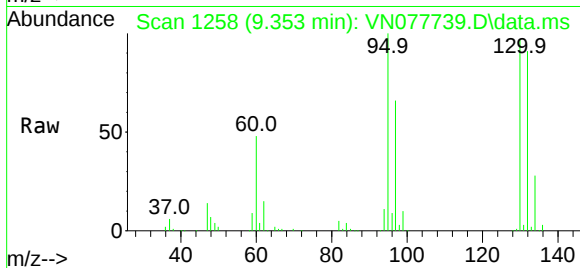
RE122D2-20230516

Tgt Ion: 63 Resp: 1614

Ion Ratio Lower Upper

63 100

65 265.6 23.9 35.9#



#49

1,4-Dioxane

Concen: 0.710 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.012 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

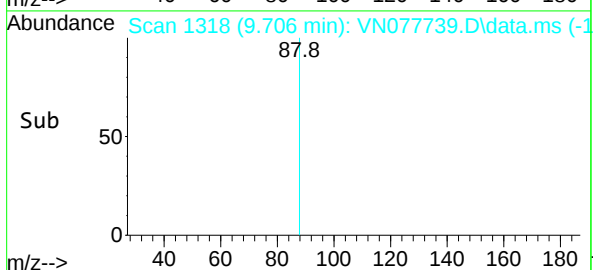
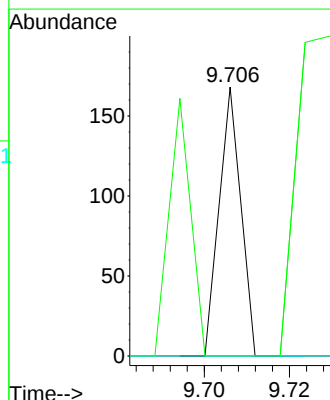
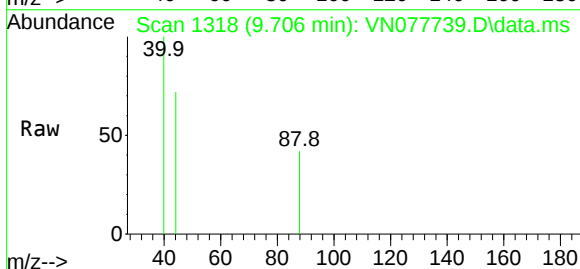
Tgt Ion: 88 Resp: 59

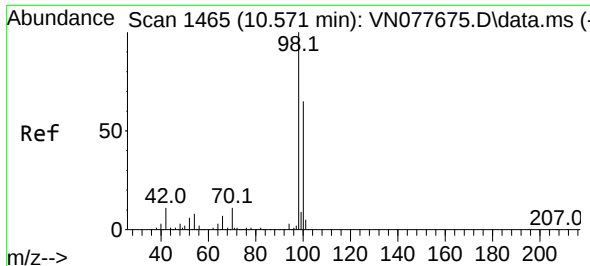
Ion Ratio Lower Upper

88 100

43 96.6 17.0 25.6#

58 0.0 47.0 70.4#

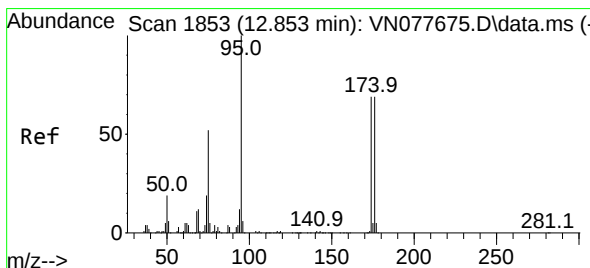
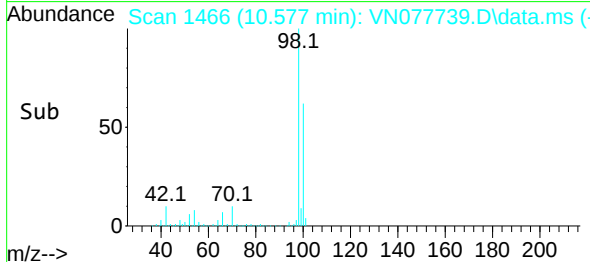
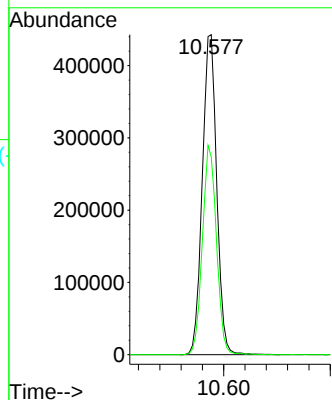
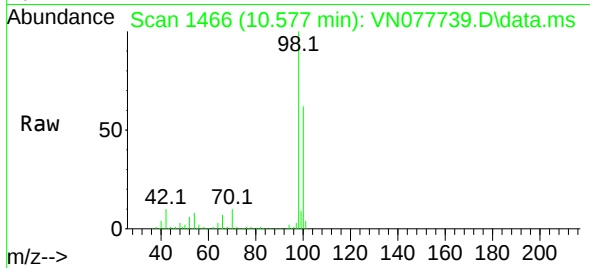




#50
Toluene-d8
Concen: 49.498 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

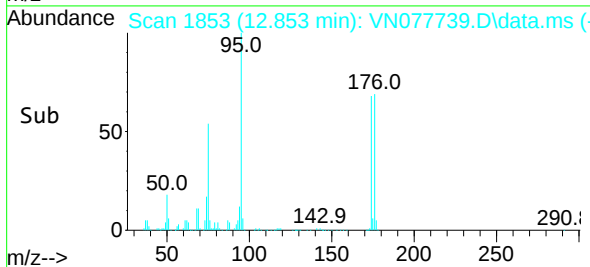
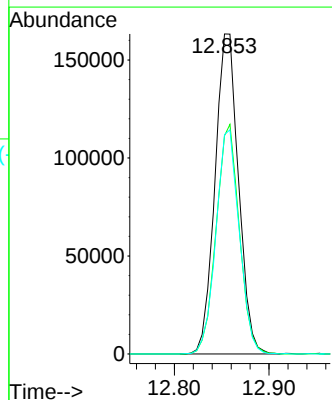
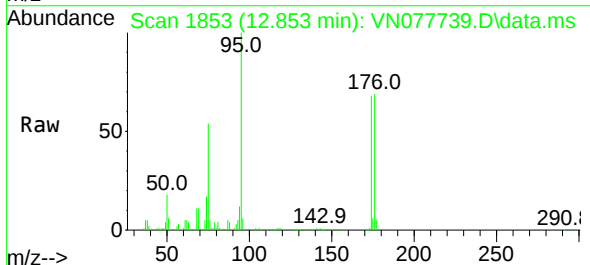
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20230516

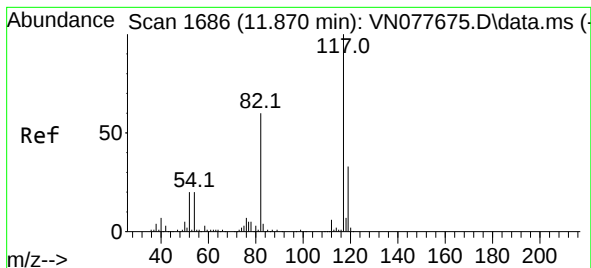
Tgt Ion: 98 Resp: 830566
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.577 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Tgt Ion: 95 Resp: 281954
Ion Ratio Lower Upper
95 100
174 70.5 0.0 143.8
176 69.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077739.D

Acq: 18 May 2023 16:19

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20230516

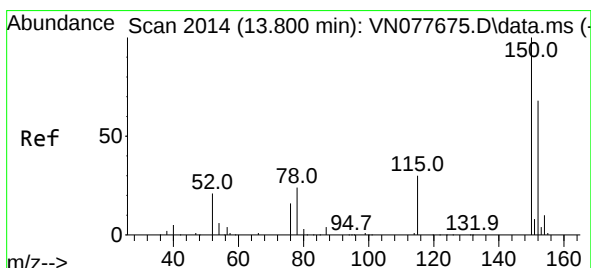
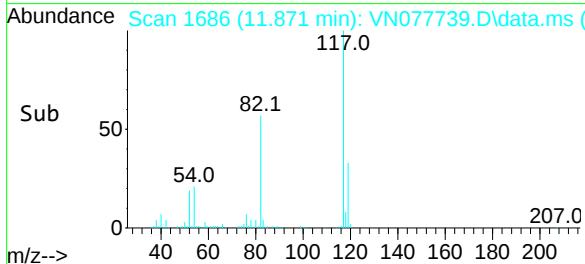
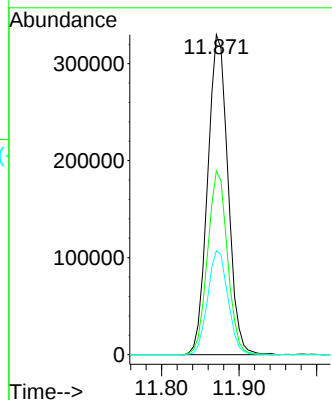
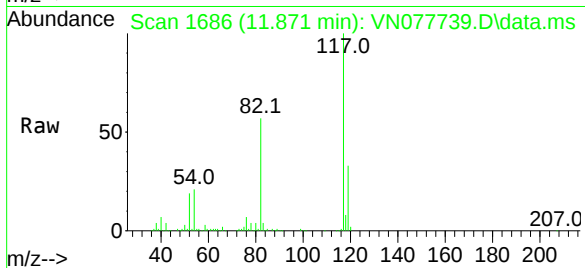
Tgt Ion:117 Resp: 599474

Ion Ratio Lower Upper

117 100

82 57.4 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: VN077739.D

Acq: 18 May 2023 16:19

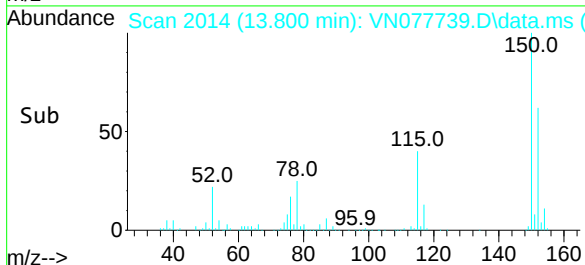
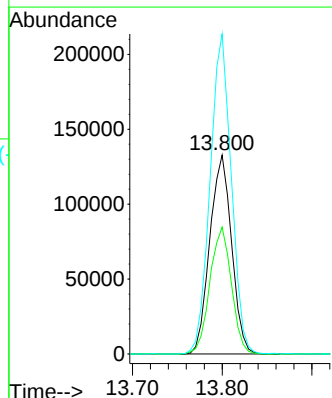
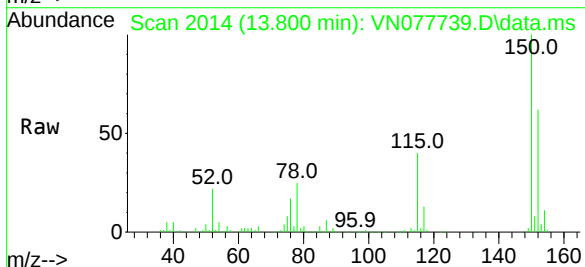
Tgt Ion:152 Resp: 224288

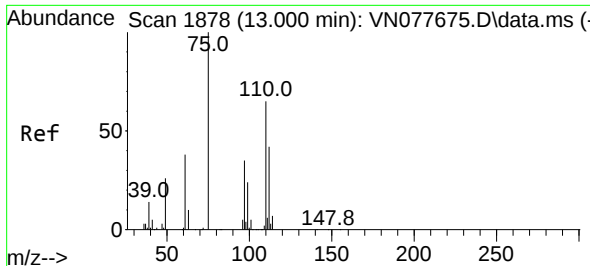
Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 156.2 0.0 355.8

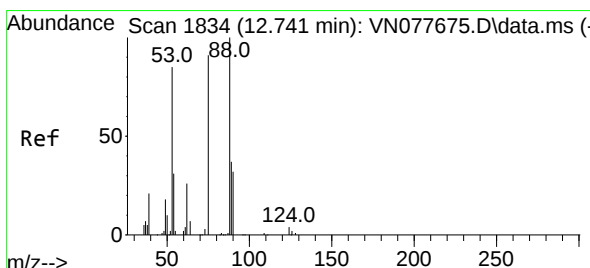
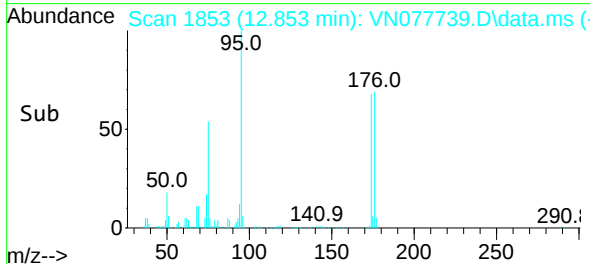
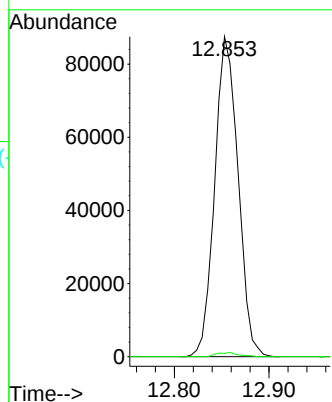
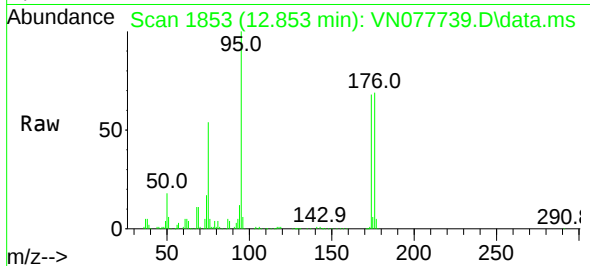




#76
1,2,3-Trichloropropane
Concen: 26.706 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20230516

Tgt Ion: 75 Resp: 150008
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.367 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077739.D
Acq: 18 May 2023 16:19

Tgt Ion: 75 Resp: 150008
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

