

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077041.D
 Acq On : 17 Mar 2023 18:34
 Operator : JC\MD
 Sample : 01941-09 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230314

Quant Time: Mar 18 02:33:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	386612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	683310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	580794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	202991	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	294965	47.764	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.520%
35) Dibromofluoromethane	8.172	113	220199	46.016	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.040%
50) Toluene-d8	10.572	98	837093	48.971	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.940%
62) 4-Bromofluorobenzene	12.854	95	251837	41.693	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.380%

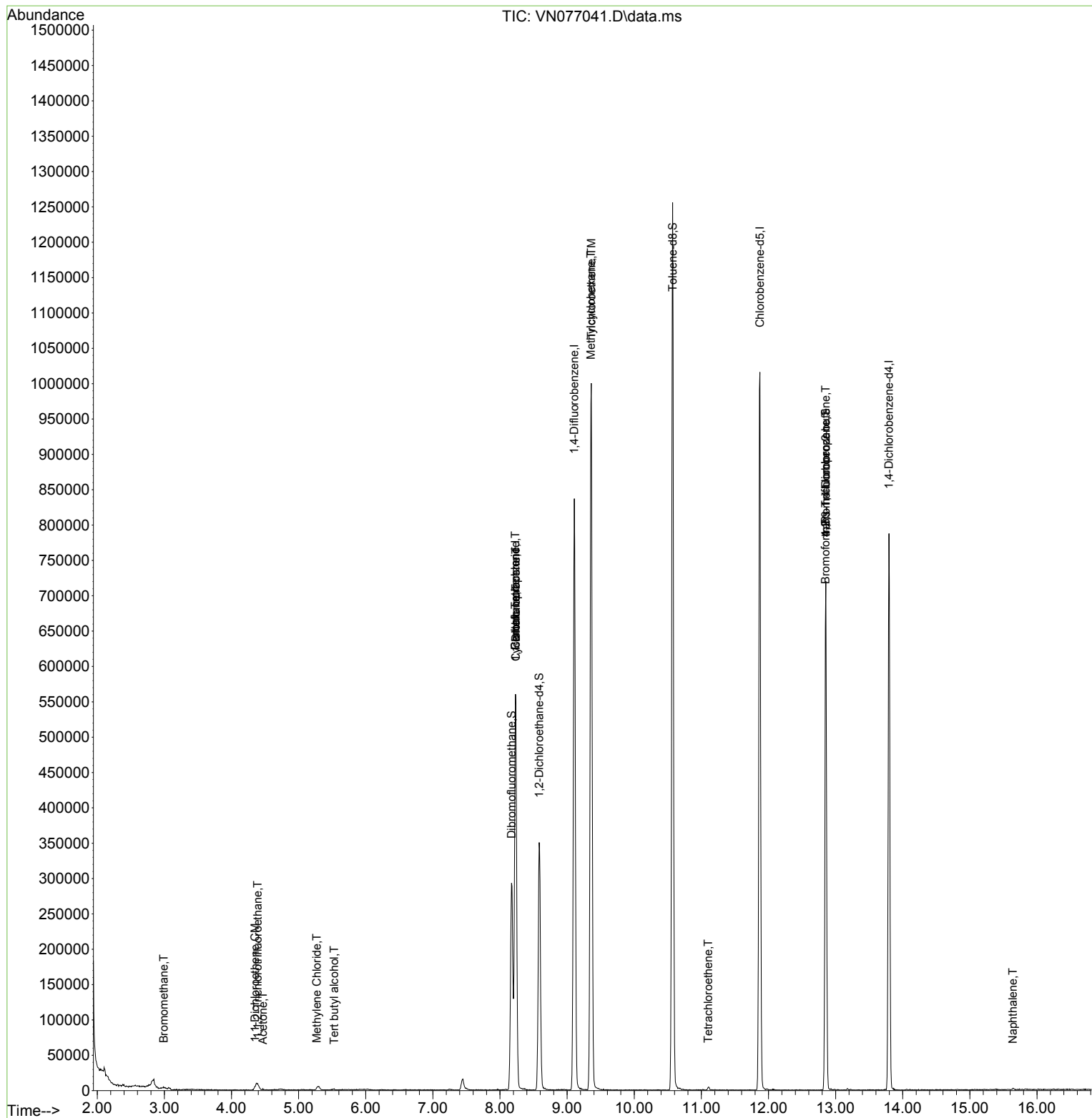
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.143	85	71	Below Cal	#	42
5) Bromomethane	2.990	94	679	0.239	ug/l #	66
9) 1,1,2-Trichlorotrifluo...	4.390	101	6416	1.250	ug/l #	88
11) Tert butyl alcohol	5.531	59	717	0.797	ug/l #	72
12) 1,1-Dichloroethene	4.349	96	2314	0.493	ug/l #	66
16) Acetone	4.466	43	1055	0.383	ug/l #	77
20) Methylene Chloride	5.272	84	4286	0.718	ug/l #	62
31) Cyclohexane	8.237	56	9525	0.943	ug/l #	1
36) 1,1-Dichloropropene	8.237	75	35581	4.760	ug/l #	52
38) Carbon Tetrachloride	8.231	117	42875	5.889	ug/l #	17
39) Methylcyclohexane	9.354	83	5105	0.584	ug/l #	1
44) Trichloroethene	9.360	130	355577	68.293	ug/l	99
64) Tetrachloroethene	11.101	164	1053	0.270	ug/l #	60
71) Bromoform	12.848	173	1196	0.357	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	136062	25.913	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	136062	71.328	ug/l #	10
95) Naphthalene	15.642	128	1992	2.054	ug/l #	83

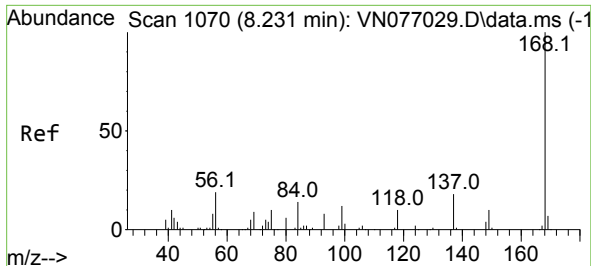
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
Data File : VN077041.D
Acq On : 17 Mar 2023 18:34
Operator : JC\MD
Sample : 01941-09 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

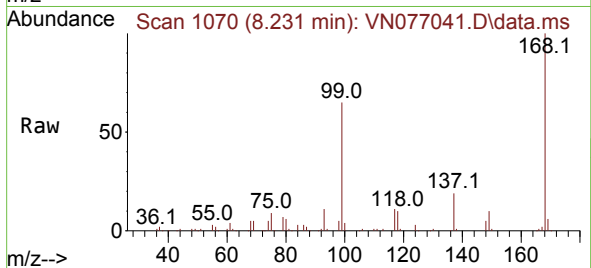
Quant Time: Mar 18 02:33:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 18 02:17:37 2023
Response via : Initial Calibration



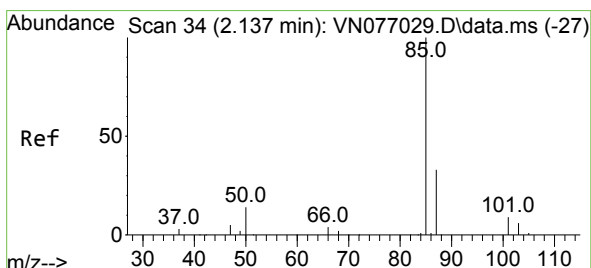
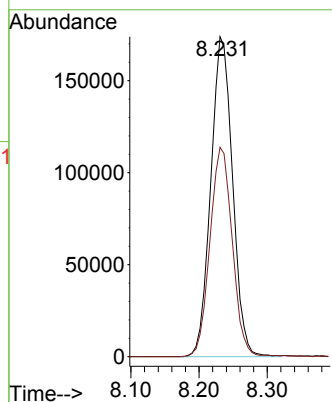
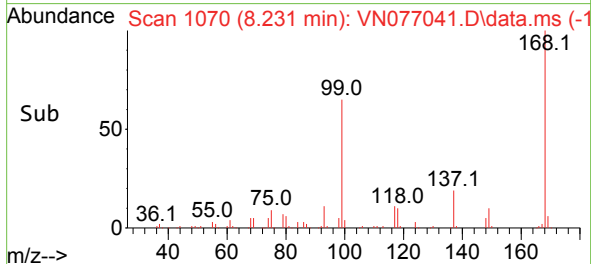


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

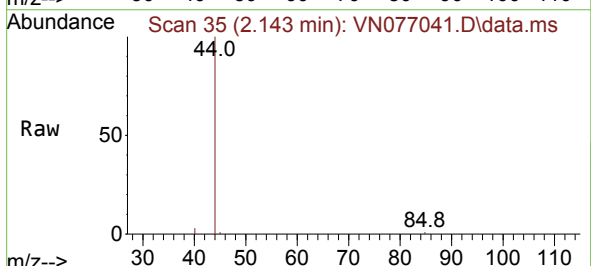
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314



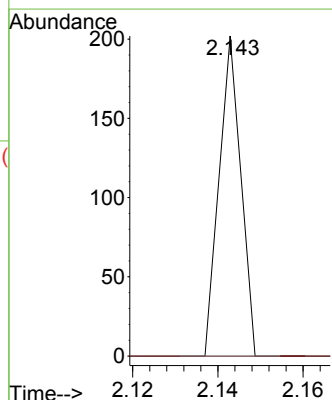
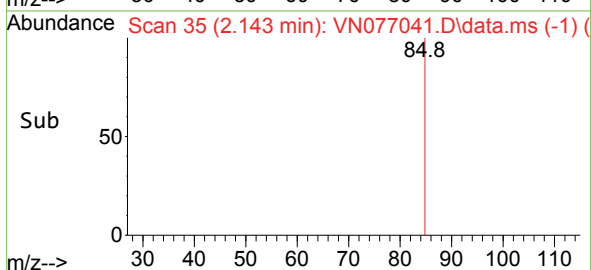
Tgt Ion:168 Resp: 386612
Ion Ratio Lower Upper
168 100
99 65.4 53.9 80.9

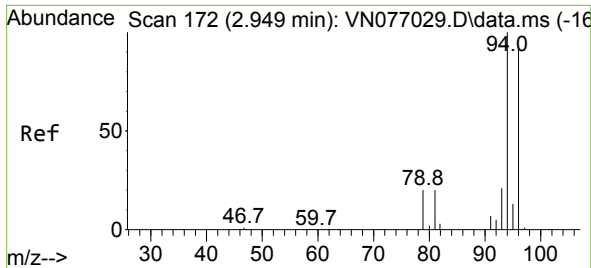


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34



Tgt Ion: 85 Resp: 71
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

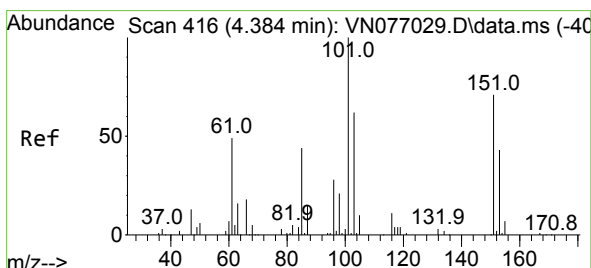
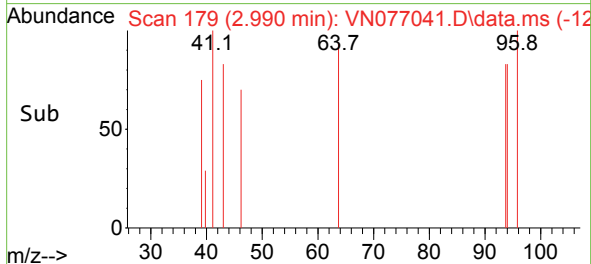
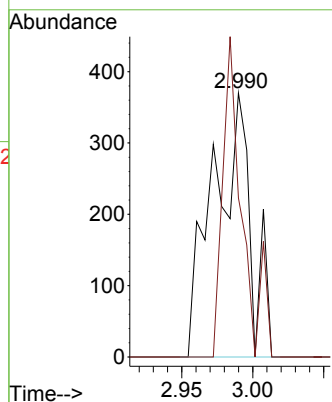
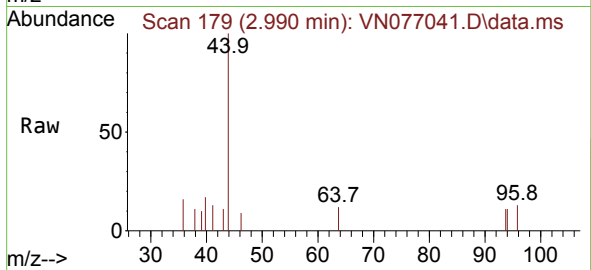




#5
Bromomethane
Concen: 0.239 ug/l
RT: 2.990 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

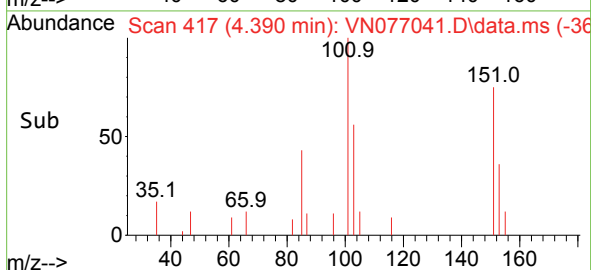
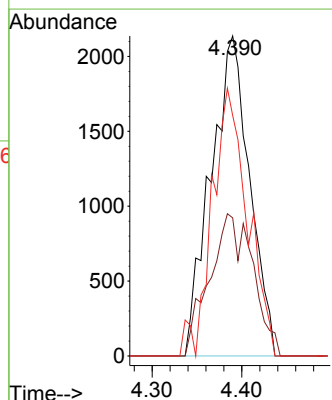
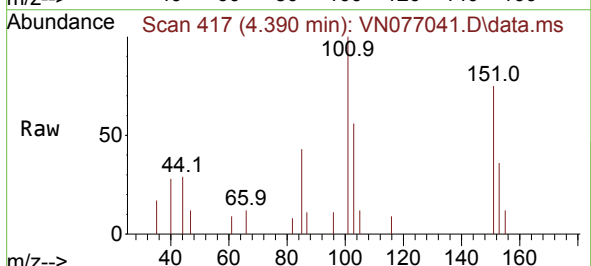
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

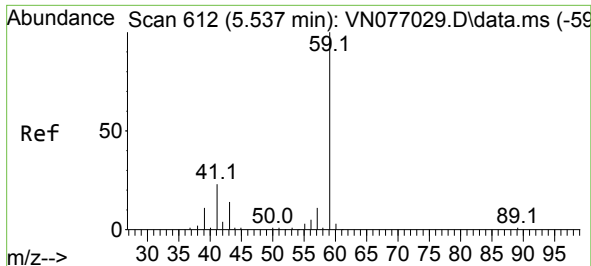
Tgt Ion: 94 Resp: 679
Ion Ratio Lower Upper
94 100
96 60.3 74.1 111.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.250 ug/l
RT: 4.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

Tgt Ion: 101 Resp: 6416
Ion Ratio Lower Upper
101 100
85 32.2 36.6 55.0#
151 76.6 56.9 85.3

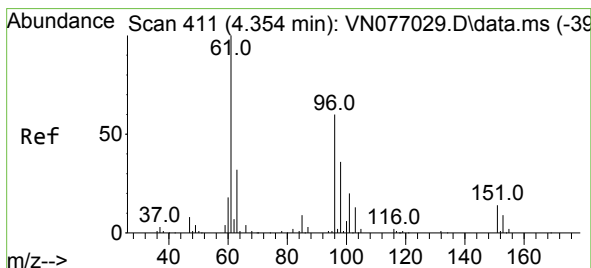
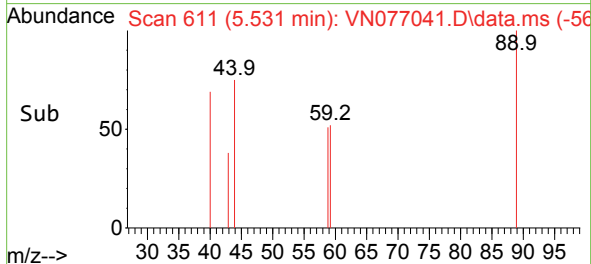
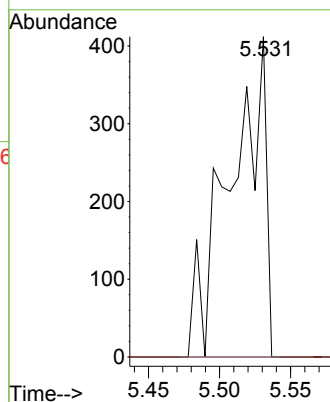
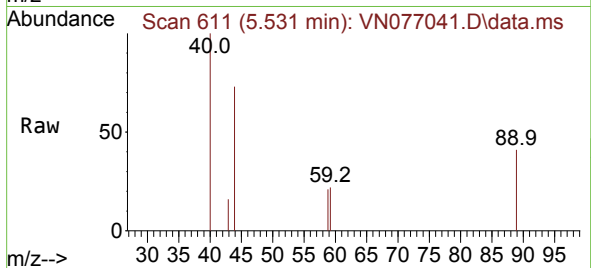




#11
Tert butyl alcohol
Concen: 0.797 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

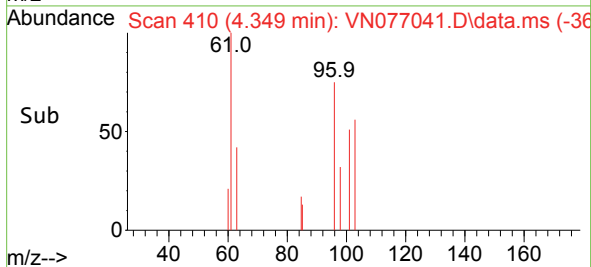
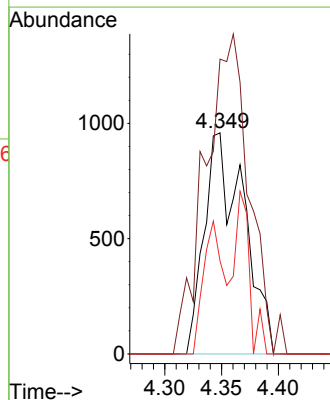
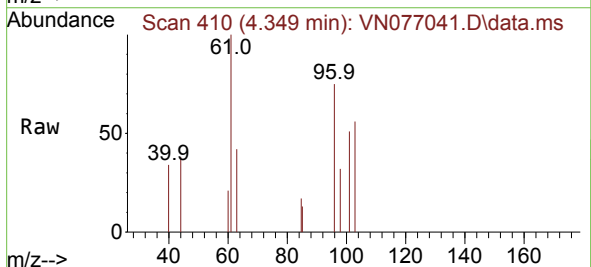
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

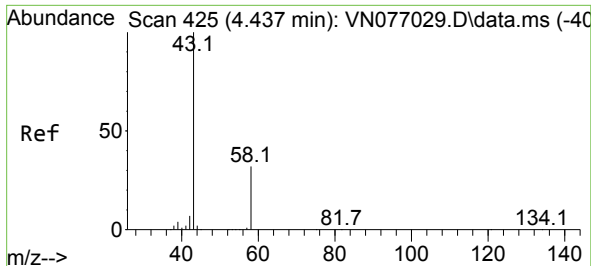
Tgt Ion: 59 Resp: 717
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 0.493 ug/l
RT: 4.349 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

Tgt Ion: 96 Resp: 2314
Ion Ratio Lower Upper
96 100
61 115.6 133.8 200.8#
98 42.0 48.6 72.8#





#16

Acetone

Concen: 0.383 ug/l

RT: 4.466 min Scan# 41

Delta R.T. 0.030 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :

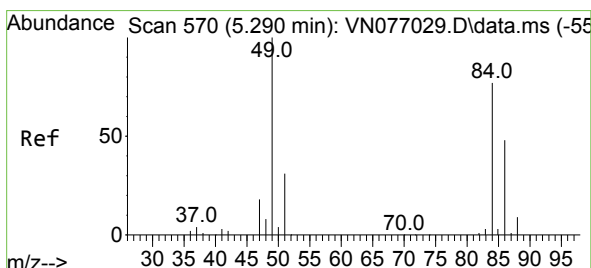
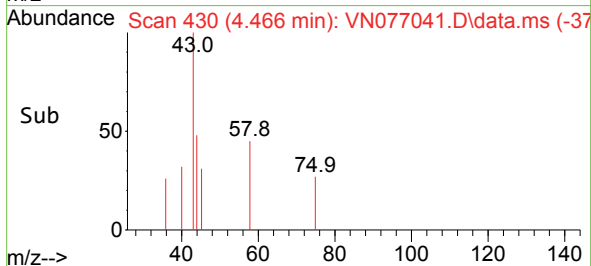
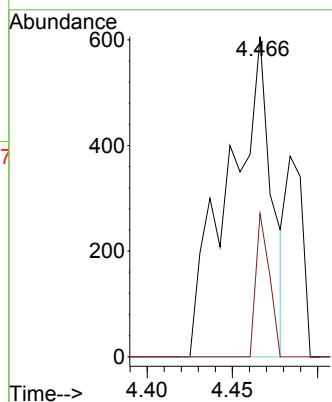
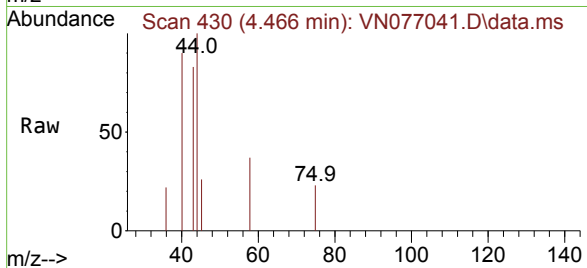
TT101D2-20230314

Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

58 44.7 25.4 38.0#



#20

Methylene Chloride

Concen: 0.718 ug/l

RT: 5.272 min Scan# 567

Delta R.T. -0.018 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

Tgt Ion: 84 Resp: 4286

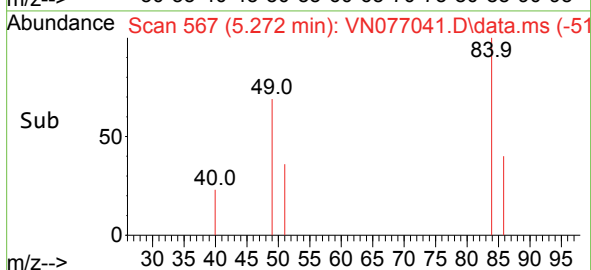
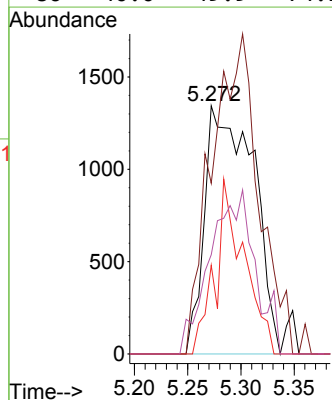
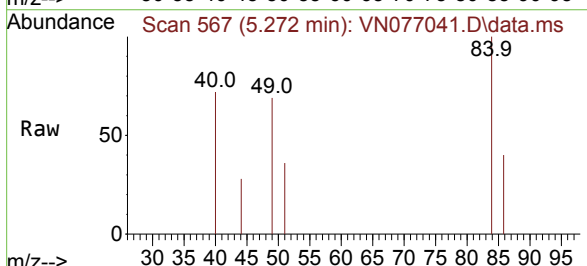
Ion Ratio Lower Upper

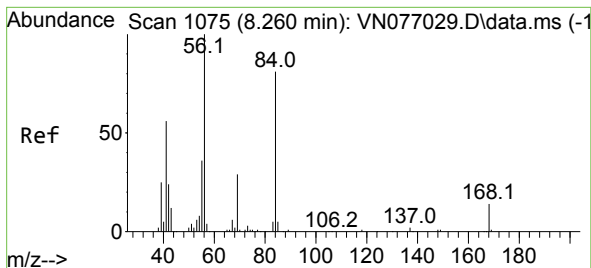
84 100

49 68.8 103.8 155.6#

51 35.7 32.3 48.5

86 40.0 49.9 74.9#





#31

Cyclohexane

Concen: 0.943 ug/l

RT: 8.237 min Scan# 1075

Delta R.T. -0.023 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20230314

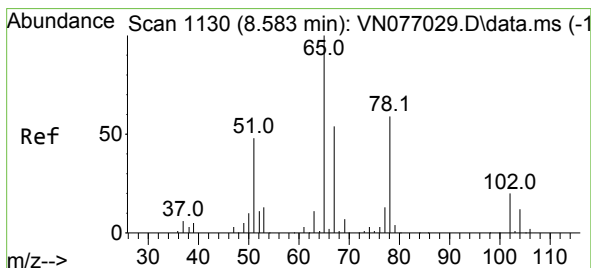
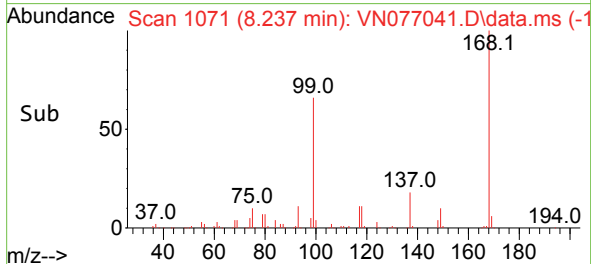
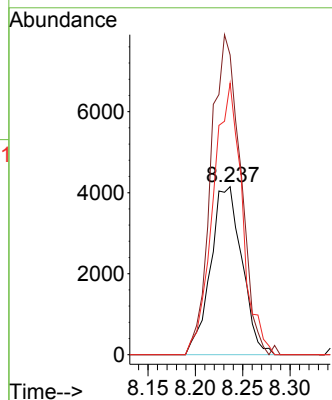
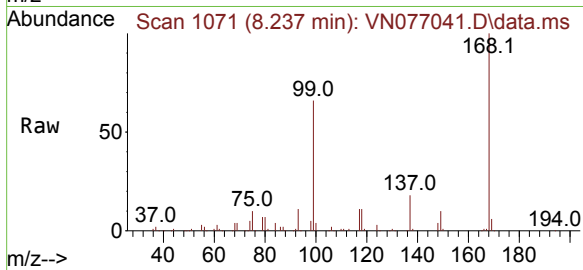
Tgt Ion: 56 Resp: 9525

Ion Ratio Lower Upper

56 100

69 178.3 22.8 34.2#

84 161.6 64.7 97.1#



#33

1,2-Dichloroethane-d4

Concen: 47.764 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077041.D

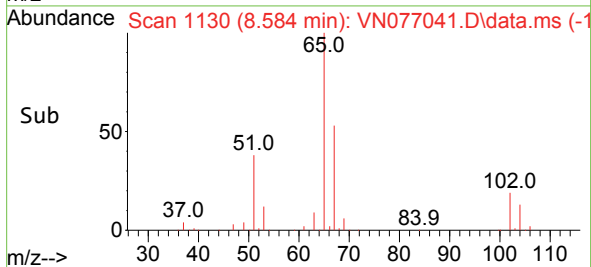
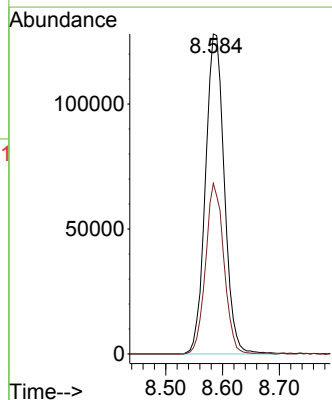
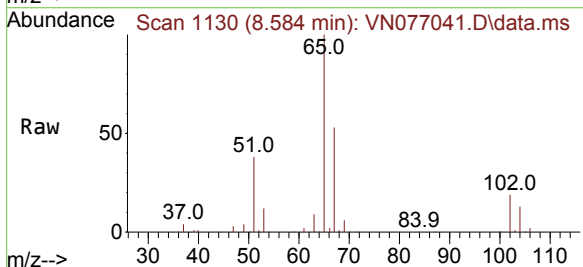
Acq: 17 Mar 2023 18:34

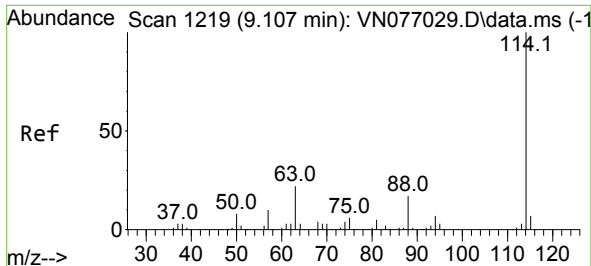
Tgt Ion: 65 Resp: 294965

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.2

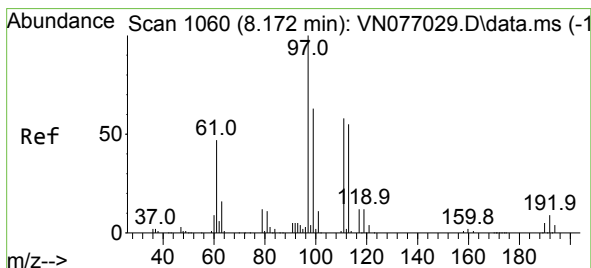
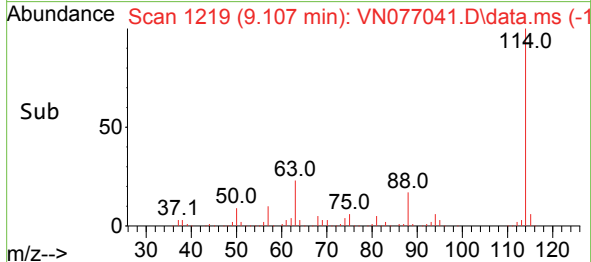
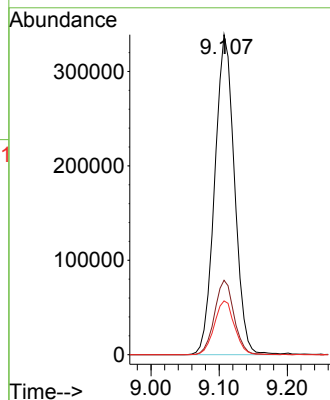
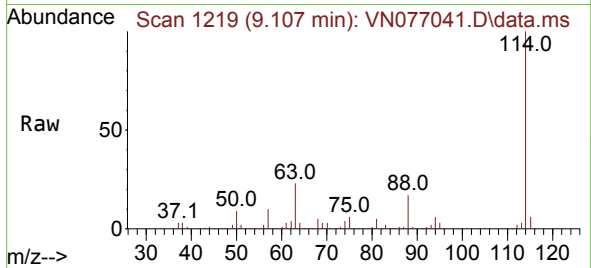




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

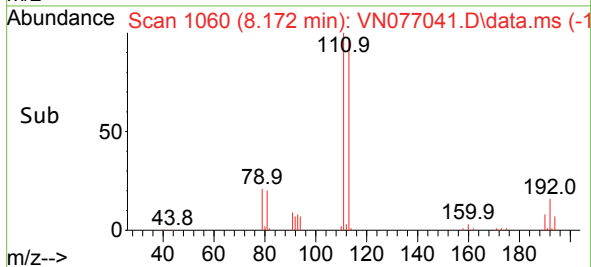
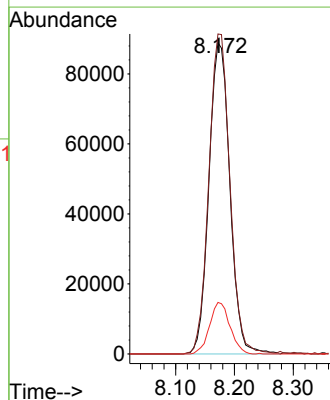
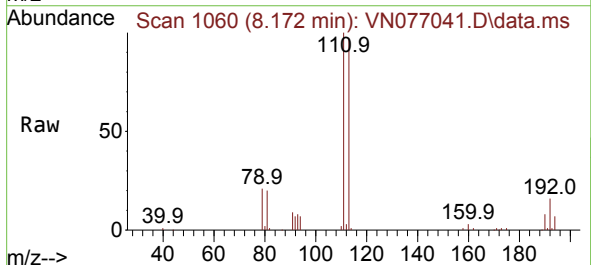
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

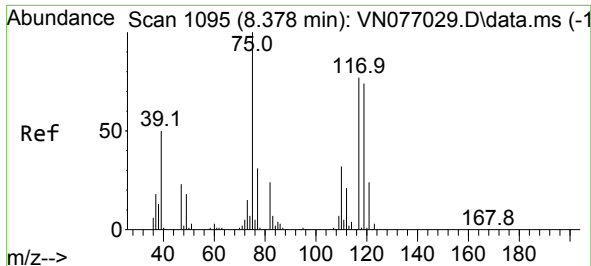
Tgt Ion:114 Resp: 683310
Ion Ratio Lower Upper
114 100
63 23.3 0.0 44.6
88 16.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 46.016 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

Tgt Ion:113 Resp: 220199
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 16.1 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.760 ug/l

RT: 8.237 min Scan# 1071

Delta R.T. -0.141 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20230314

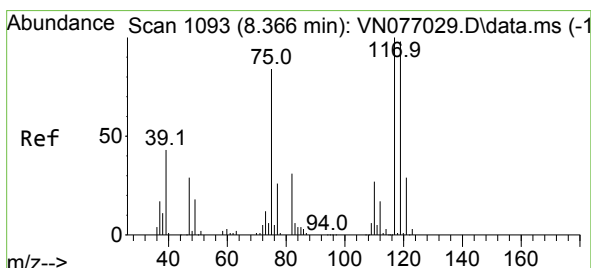
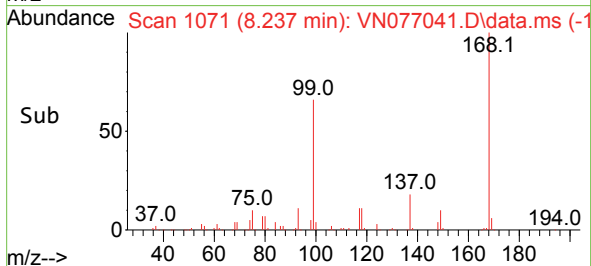
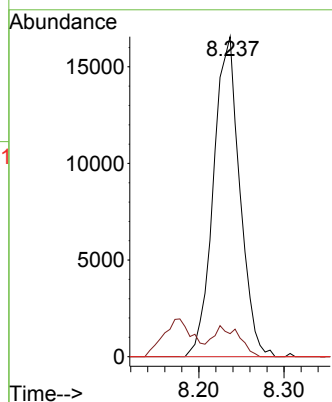
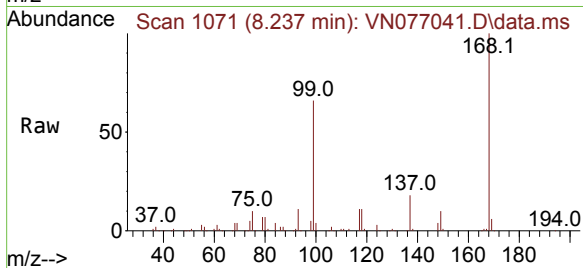
Tgt Ion: 75 Resp: 35581

Ion Ratio Lower Upper

75 100

110 9.6 15.9 47.7#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.889 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.135 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

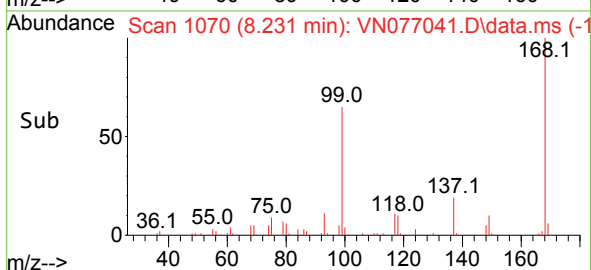
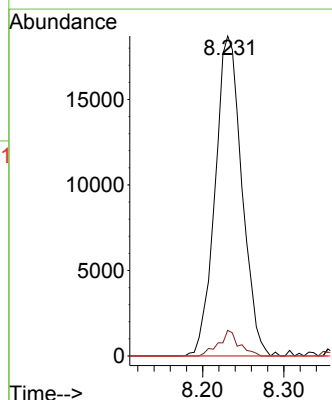
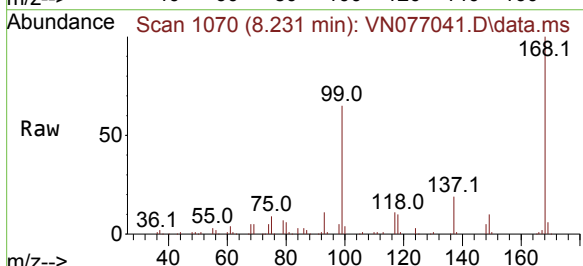
Tgt Ion: 117 Resp: 42875

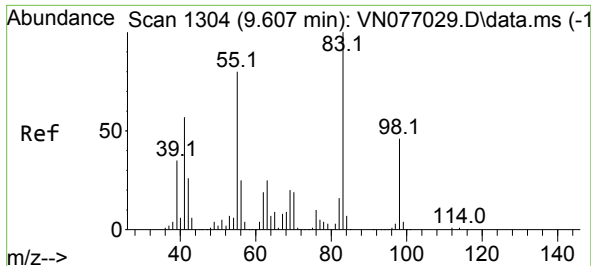
Ion Ratio Lower Upper

117 100

119 8.0 78.2 117.2#

121 0.0 23.2 34.8#

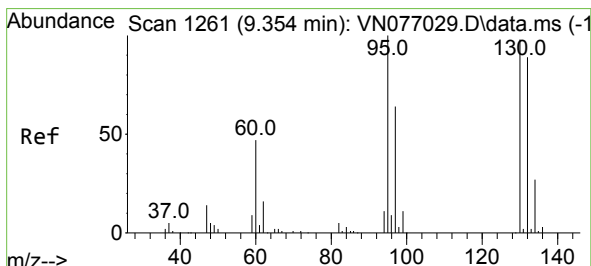
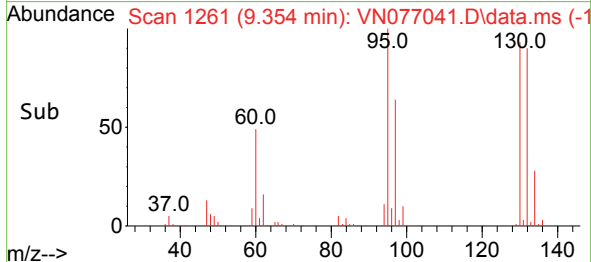
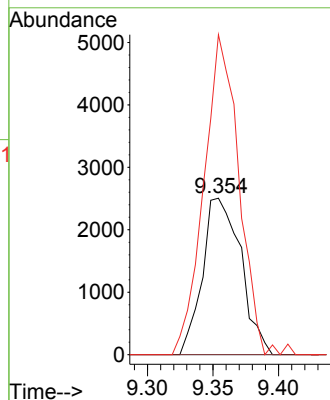
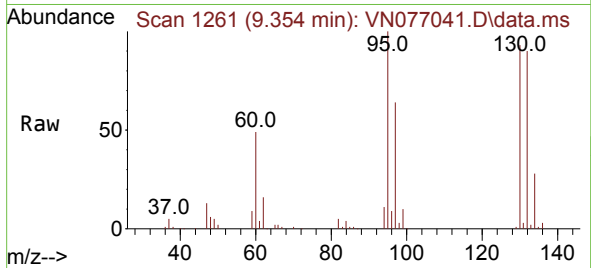




#39
Methylcyclohexane
Concen: 0.584 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

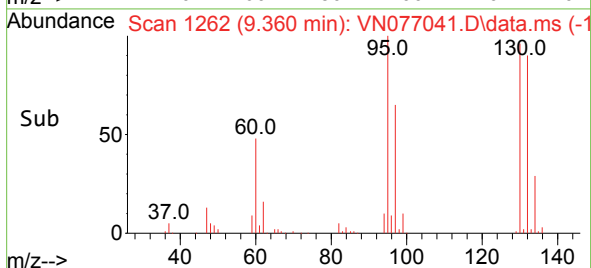
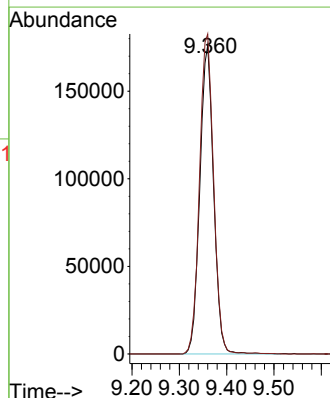
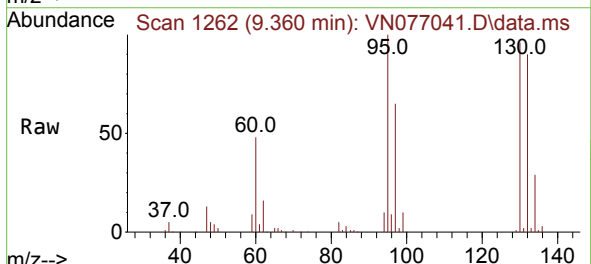
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

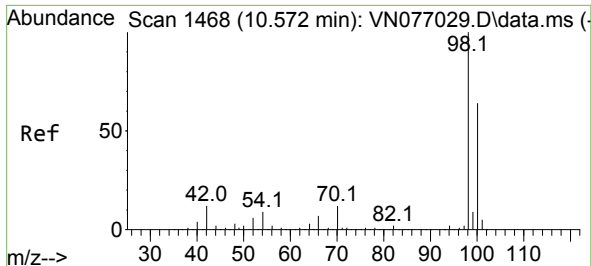
Tgt Ion: 83 Resp: 5105
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 204.4 37.1 55.7#



#44
Trichloroethene
Concen: 68.293 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

Tgt Ion:130 Resp: 355577
Ion Ratio Lower Upper
130 100
95 103.6 0.0 204.4

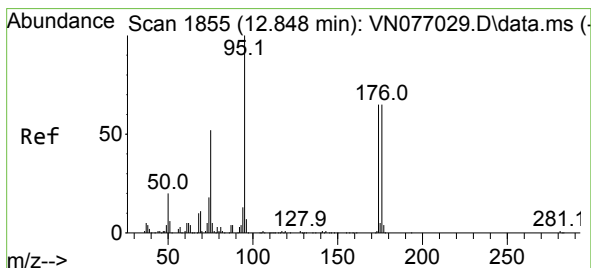
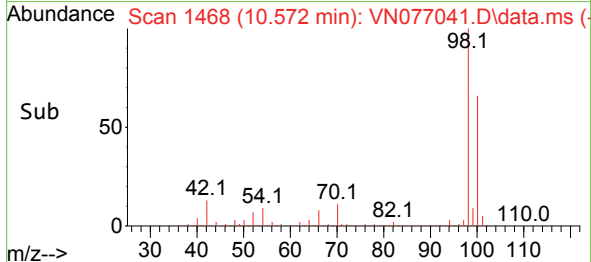
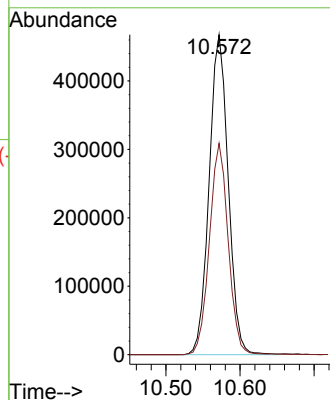
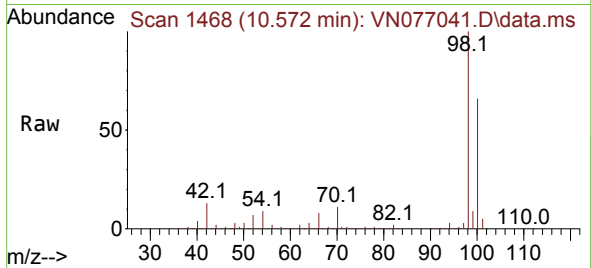




#50
Toluene-d8
Concen: 48.971 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

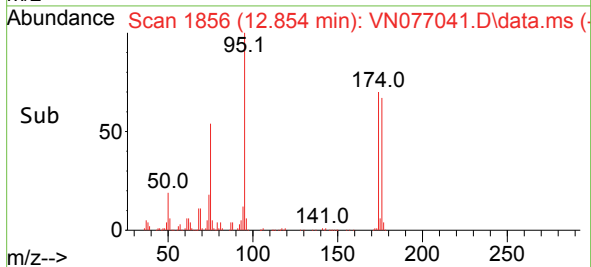
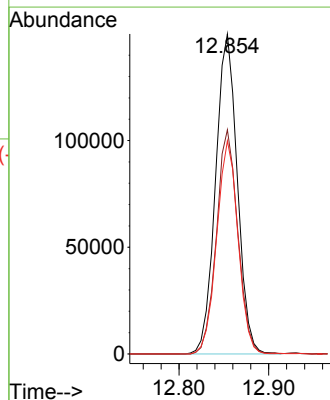
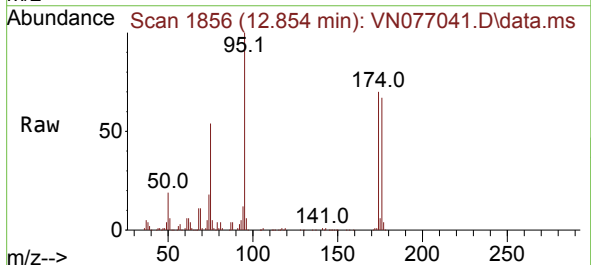
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

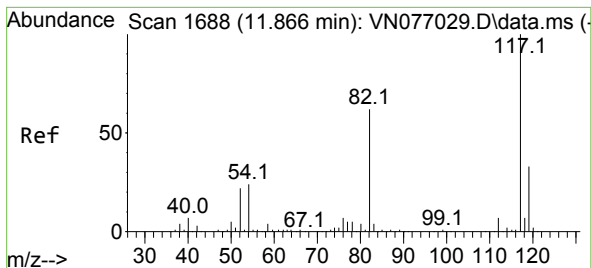
Tgt Ion: 98 Resp: 837093
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.693 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

Tgt Ion: 95 Resp: 251837
Ion Ratio Lower Upper
95 100
174 69.1 0.0 136.6
176 65.4 0.0 130.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.872 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20230314

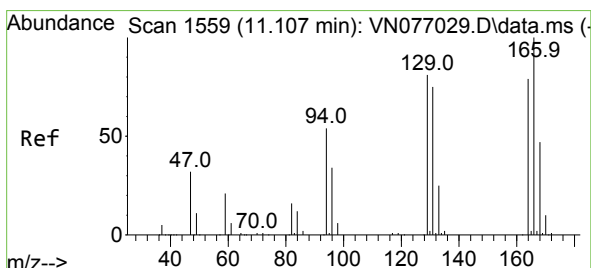
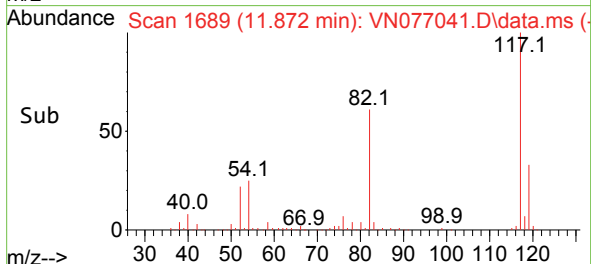
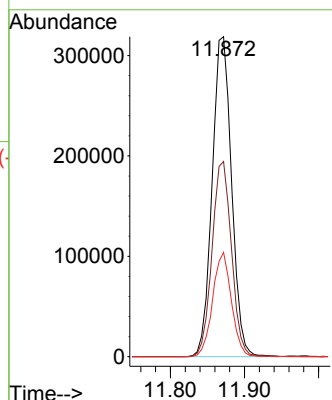
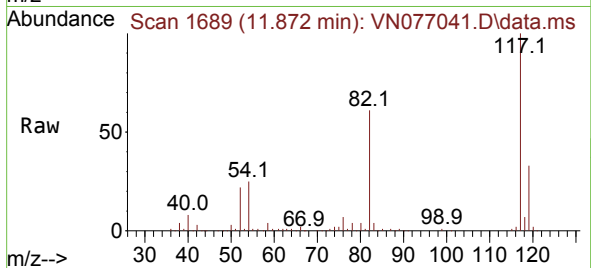
Tgt Ion:117 Resp: 580794

Ion Ratio Lower Upper

117 100

82 61.0 49.4 74.0

119 32.6 26.5 39.7



#64

Tetrachloroethene

Concen: 0.270 ug/l

RT: 11.101 min Scan# 1558

Delta R.T. -0.006 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

Tgt Ion:164 Resp: 1053

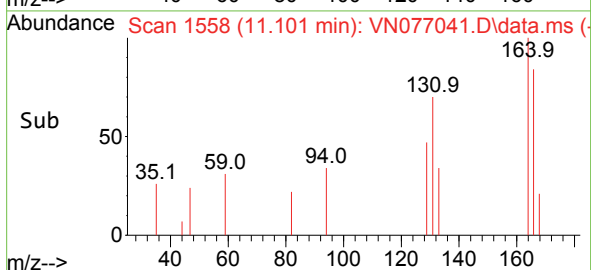
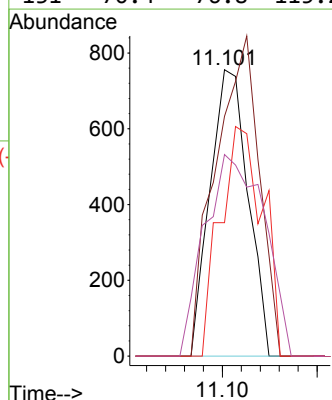
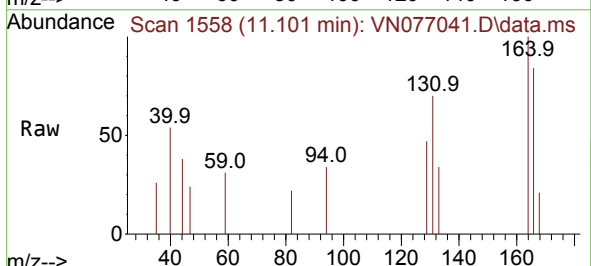
Ion Ratio Lower Upper

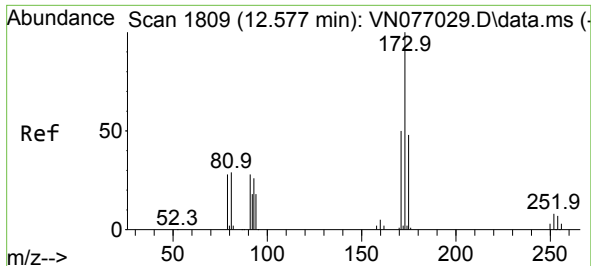
164 100

166 83.7 101.9 152.9#

129 46.6 82.6 123.8#

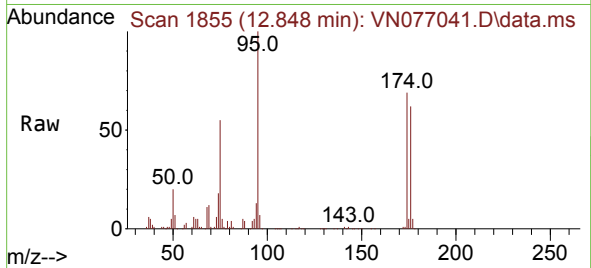
131 70.4 76.8 115.2#



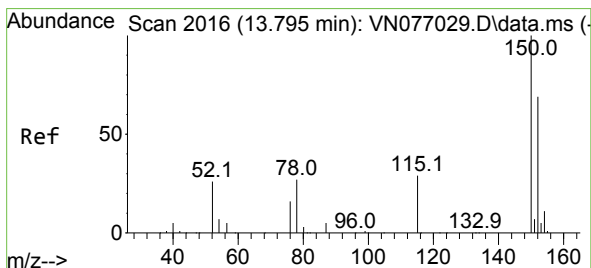
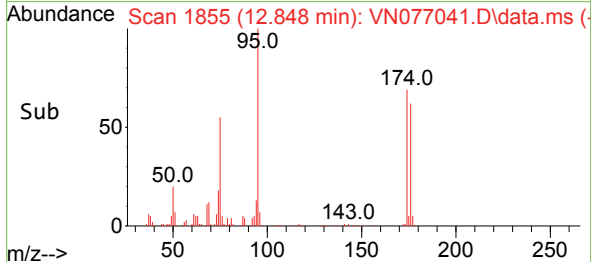
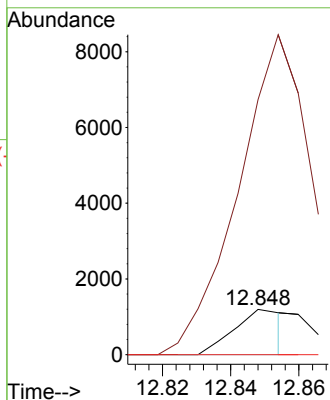


#71
Bromoform
Concen: 0.357 ug/l
RT: 12.848 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

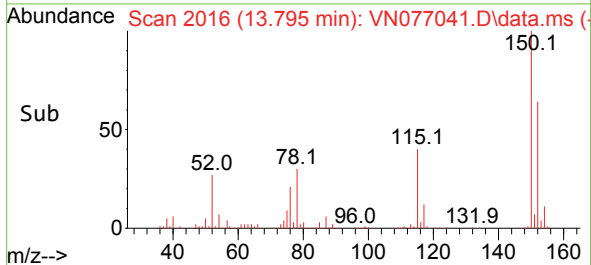
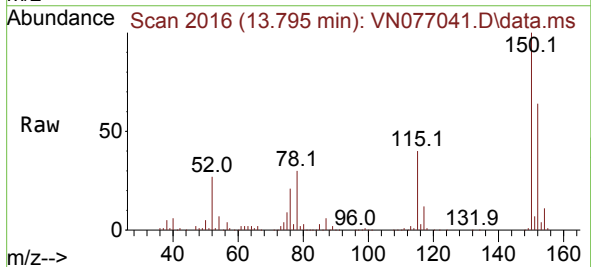
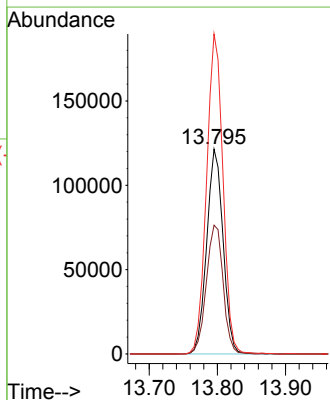


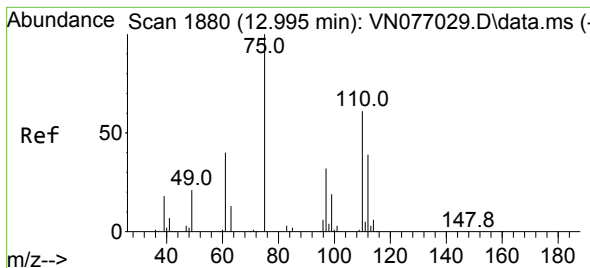
Tgt Ion:173 Resp: 1196
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077041.D
Acq: 17 Mar 2023 18:34

Tgt Ion:152 Resp: 202991
Ion Ratio Lower Upper
152 100
115 64.5 31.9 95.7
150 156.2 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 25.913 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :

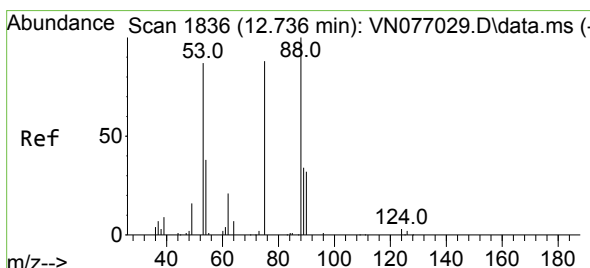
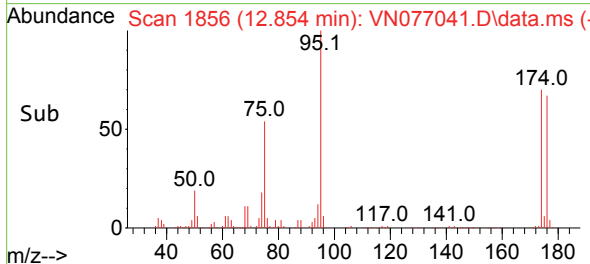
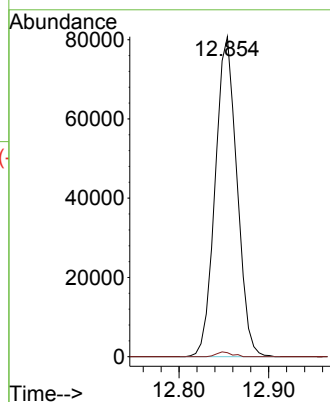
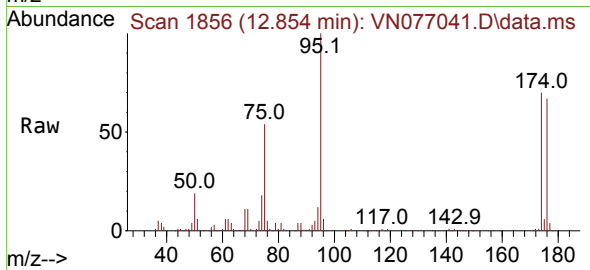
TT101D2-20230314

Tgt Ion: 75 Resp: 136062

Ion Ratio Lower Upper

75 100

77 1.1 107.3 322.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.328 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077041.D

Acq: 17 Mar 2023 18:34

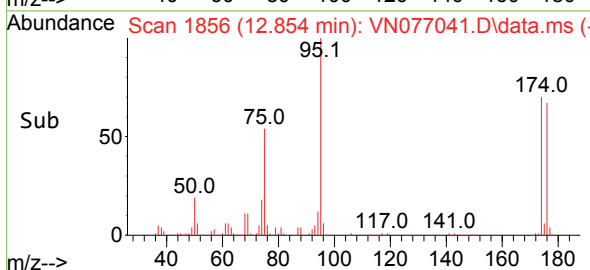
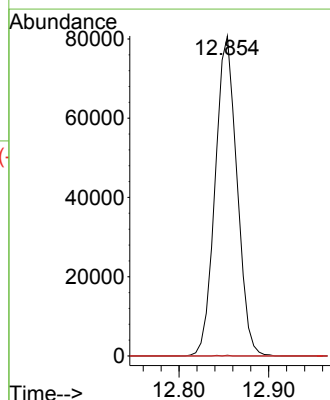
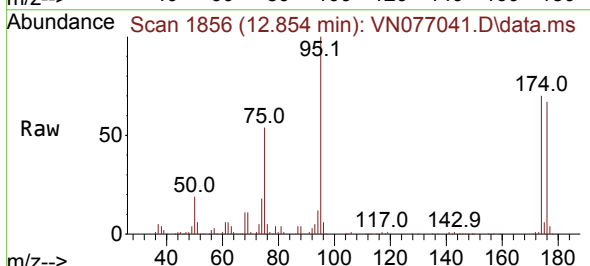
Tgt Ion: 75 Resp: 136062

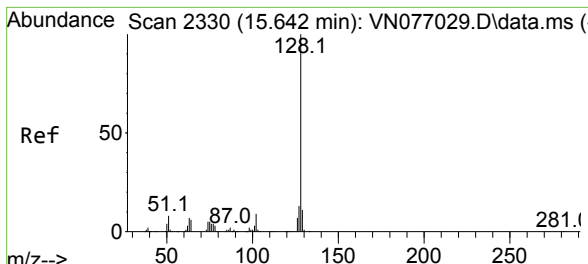
Ion Ratio Lower Upper

75 100

53 0.0 80.8 121.2#

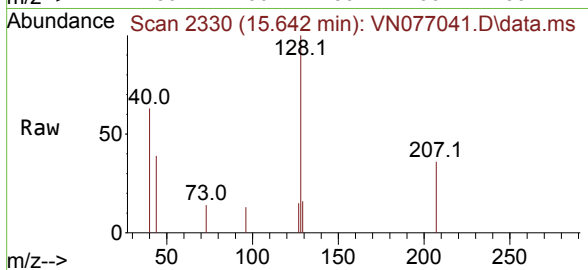
89 0.0 34.2 51.4#





#95
 Naphthalene
 Concen: 2.054 ug/l
 RT: 15.642 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077041.D
 Acq: 17 Mar 2023 18:34

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230314



Tgt Ion:	128	Resp:	1992
Ion	Ratio	Lower	Upper
128	100		
127	3.0	10.0	15.0#
129	14.2	8.6	13.0#

