

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077051.D
 Acq On : 17 Mar 2023 22:38
 Operator : JC\MD
 Sample : 01941-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT172S1-20230313

Quant Time: Mar 18 02:37:12 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

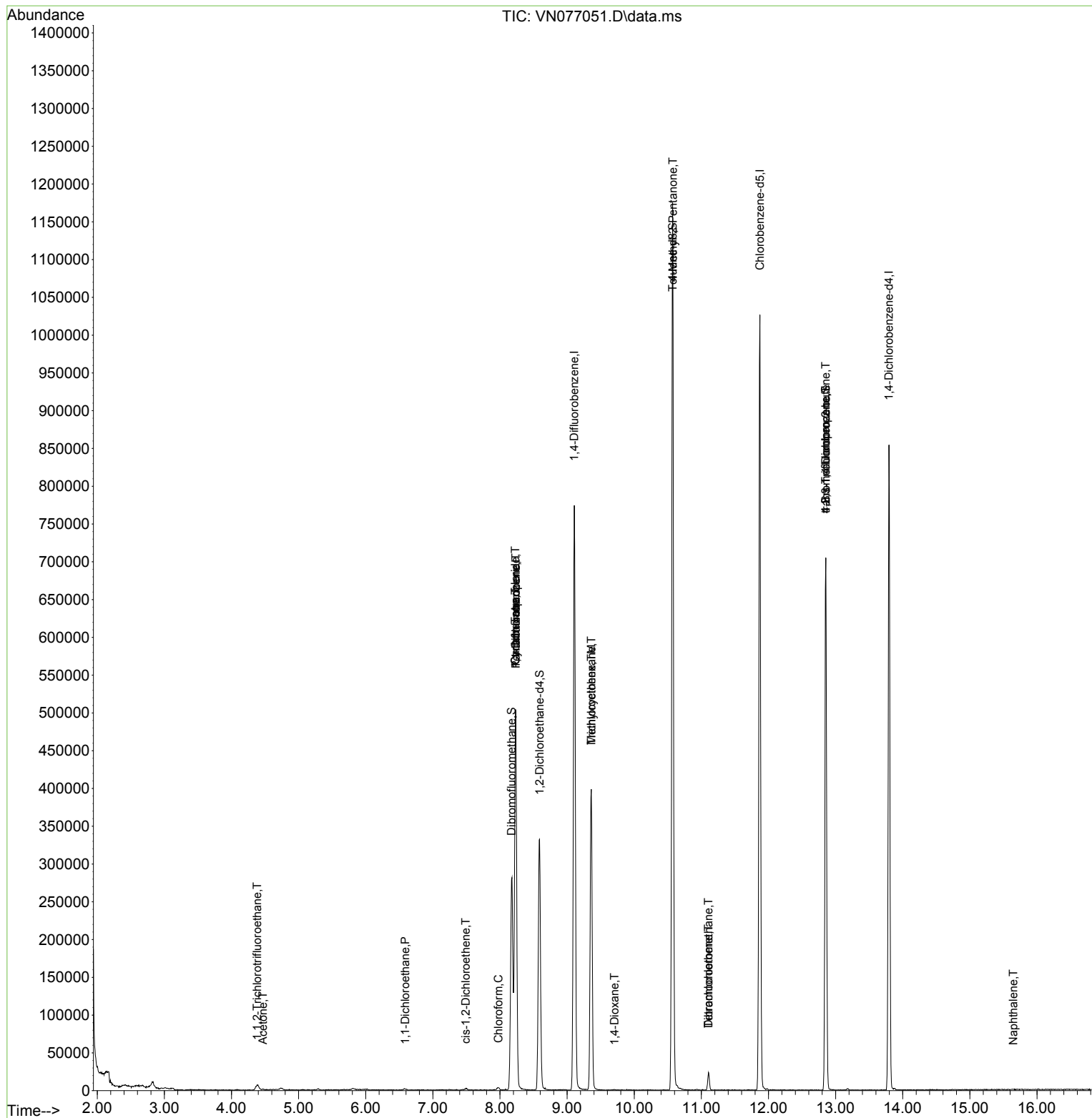
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	348758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	636505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	576252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	221689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	278493	49.992	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.980%
35) Dibromofluoromethane	8.172	113	211998	47.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.120%
50) Toluene-d8	10.571	98	794979	49.927	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.860%
62) 4-Bromofluorobenzene	12.854	95	259891	46.190	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.380%
Target Compounds						
2) Dichlorodifluoromethane	2.148	85	655	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.384	101	4700	1.015	ug/l #	68
16) Acetone	4.466	43	1729	0.697	ug/l #	81
24) 1,1-Dichloroethane	6.589	63	2799	0.288	ug/l #	84
27) cis-1,2-Dichloroethene	7.489	96	1372	0.261	ug/l	77
30) Chloroform	7.978	83	3539	0.375	ug/l	97
31) Cyclohexane	8.230	56	8687	0.953	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	33502	4.812	ug/l #	51
38) Carbon Tetrachloride	8.230	117	38800	5.721	ug/l #	17
39) Methylcyclohexane	9.360	83	2315	0.284	ug/l #	1
44) Trichloroethene	9.360	130	144530	29.800	ug/l	100
49) 1,4-Dioxane	9.707	88	346	3.641	ug/l #	59
51) 4-Methyl-2-Pentanone	10.577	43	3462	0.478	ug/l #	1
60) Dibromochloromethane	11.107	129	5092	1.020	ug/l #	11
64) Tetrachloroethene	11.107	164	5206	1.346	ug/l	92
76) 1,2,3-Trichloropropane	12.854	75	136194	23.751	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	136194	65.376	ug/l #	10
95) Naphthalene	15.648	128	187	1.924	ug/l #	70

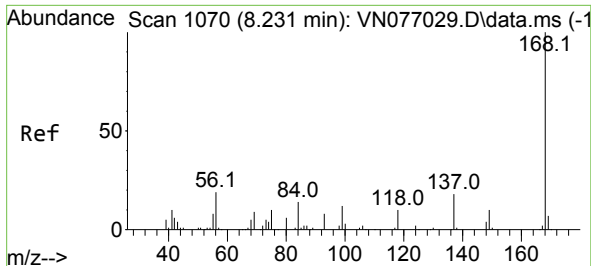
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 18 02:17:37 2023
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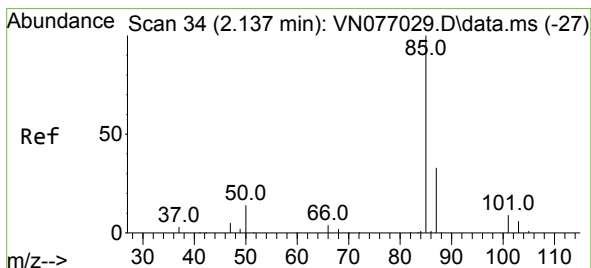
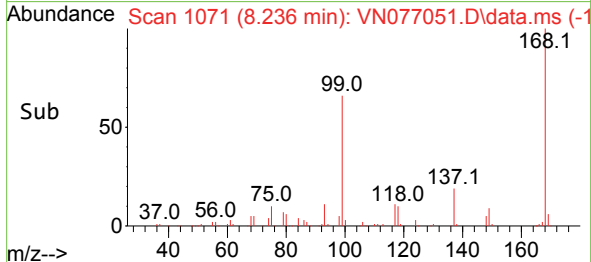
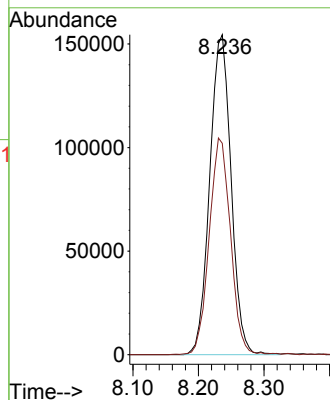
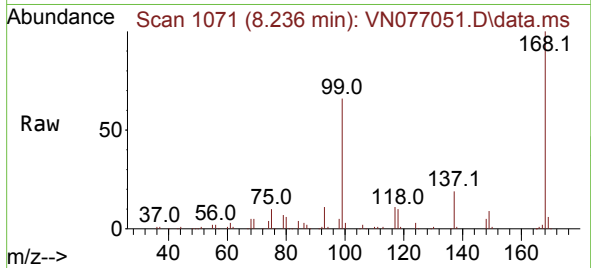




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

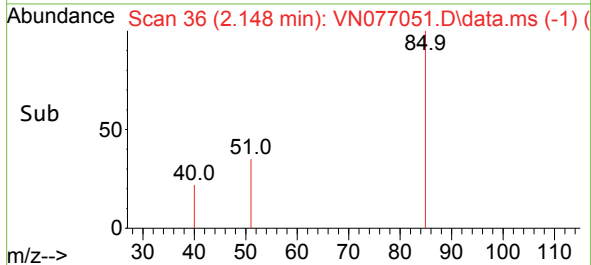
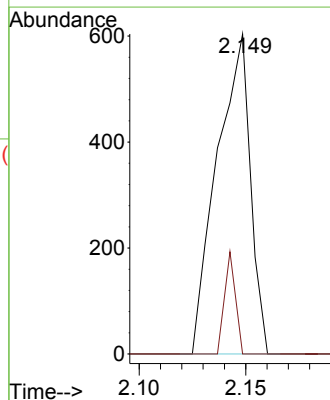
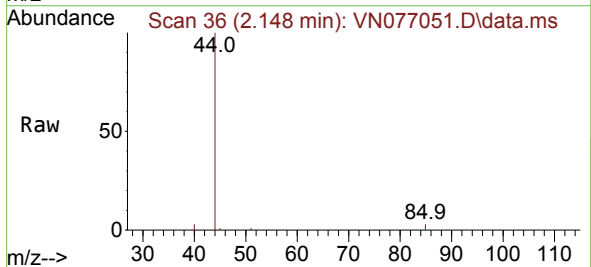
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MSVOA_N
ClientSampleId :
TT172S1-20230313

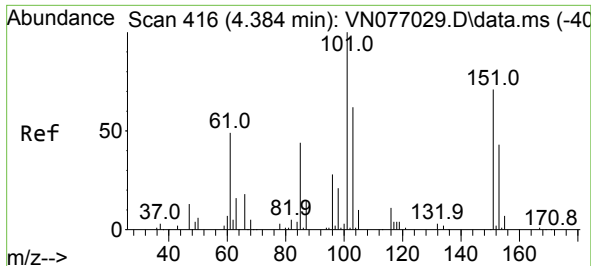
Tgt Ion:168 Resp: 348758
Ion Ratio Lower Upper
168 100
99 65.9 53.9 80.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.148 min Scan# 36
Delta R.T. 0.011 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 85 Resp: 655
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

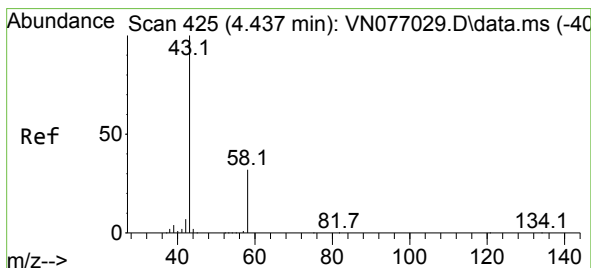
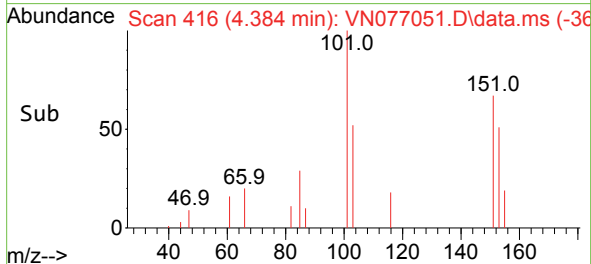
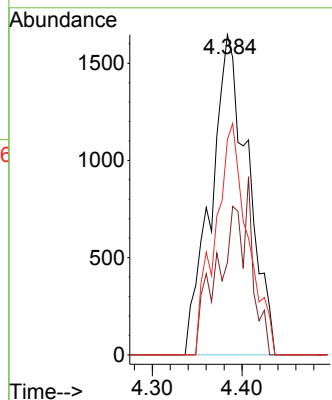
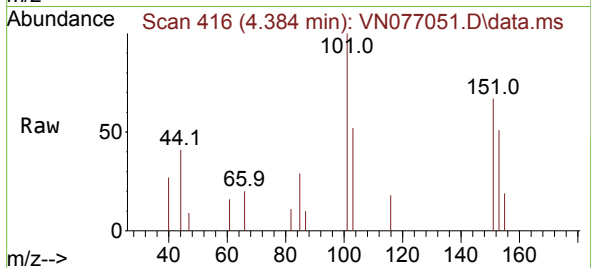




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.015 ug/l
RT: 4.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

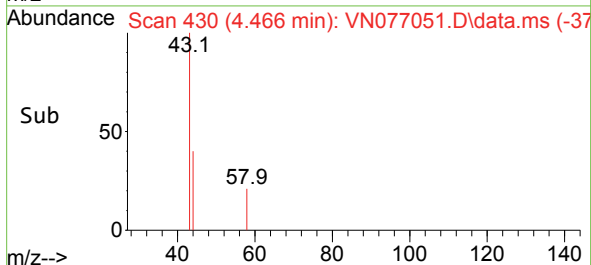
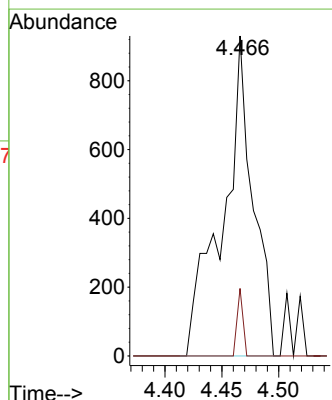
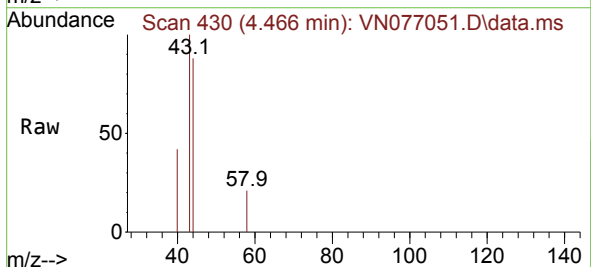
Instrument :
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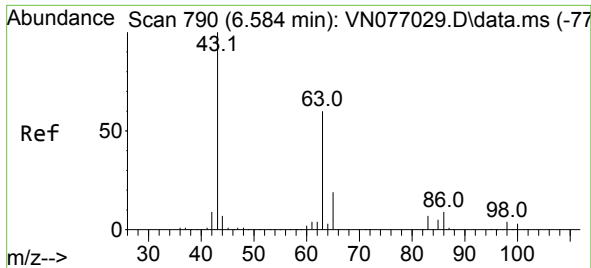
Tgt Ion:101 Resp: 4700
Ion Ratio Lower Upper
101 100
85 0.0 36.6 55.0#
151 64.2 56.9 85.3



#16
Acetone
Concen: 0.697 ug/l
RT: 4.466 min Scan# 430
Delta R.T. 0.029 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
58 21.1 25.4 38.0#

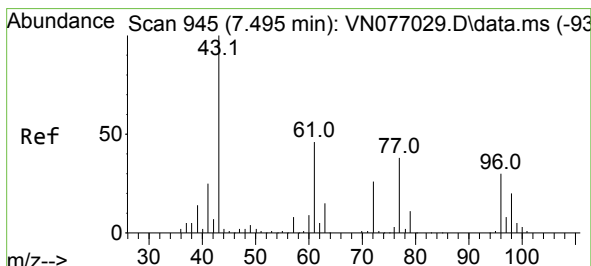
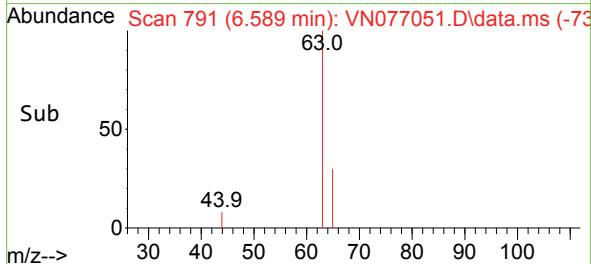
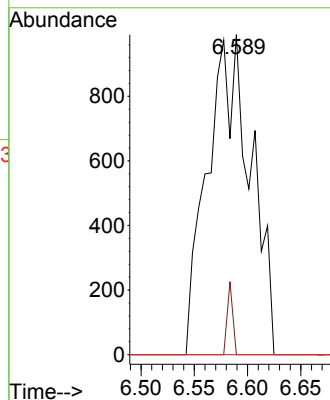
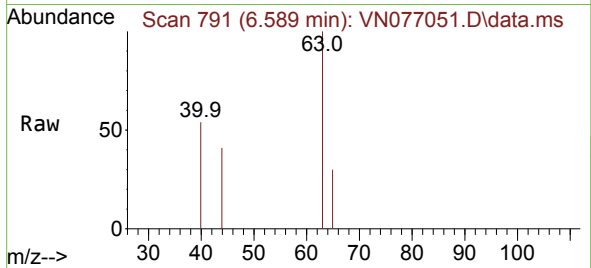




#24
1,1-Dichloroethane
Concen: 0.288 ug/l
RT: 6.589 min Scan# 790
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

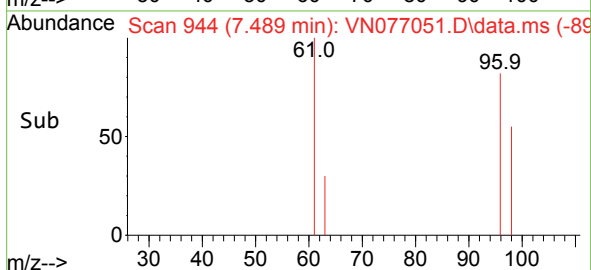
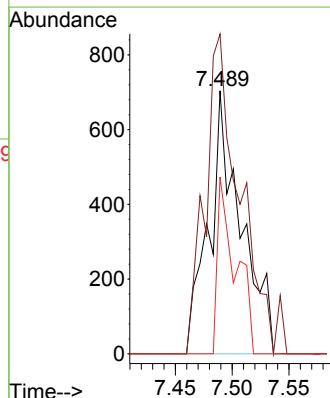
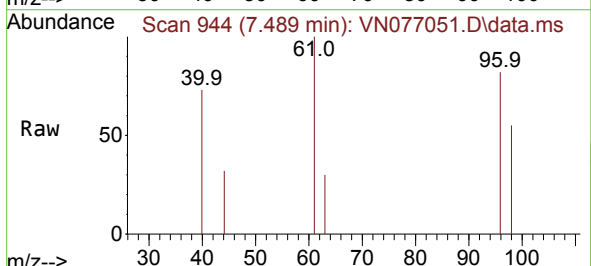
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20230313

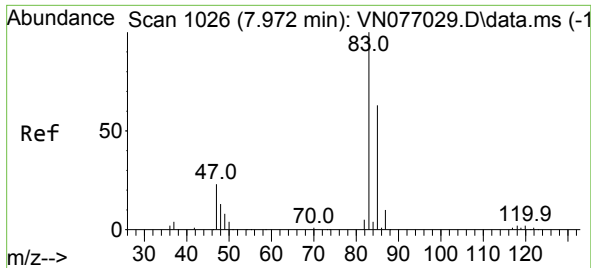
Tgt Ion: 63 Resp: 2799
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.4#
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 0.261 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 96 Resp: 1372
Ion Ratio Lower Upper
96 100
61 133.3 0.0 315.4
98 38.1 0.0 128.6

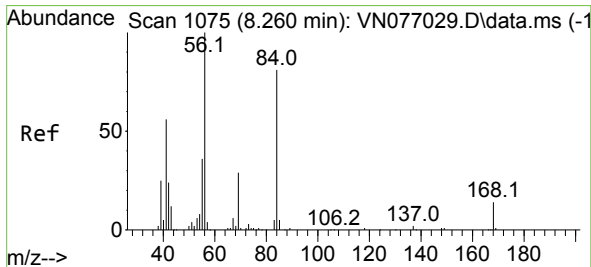
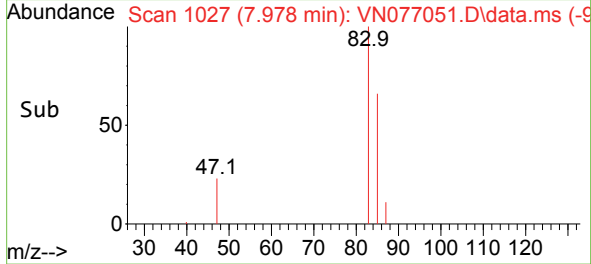
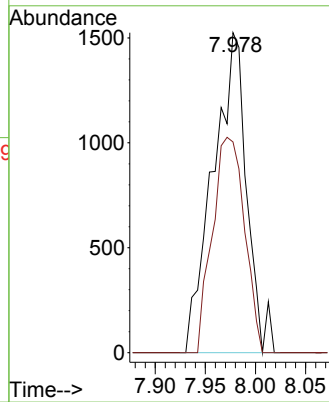
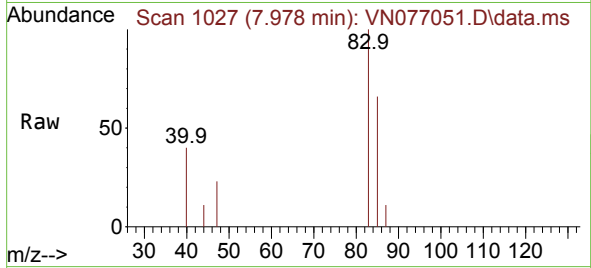




#30
Chloroform
Concen: 0.375 ug/l
RT: 7.978 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

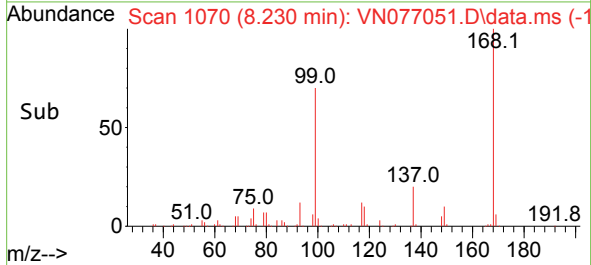
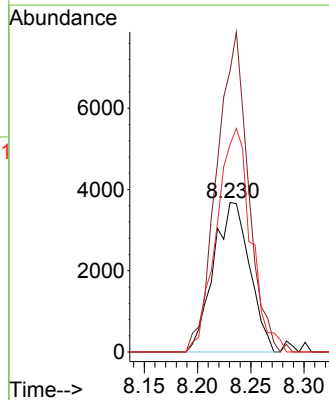
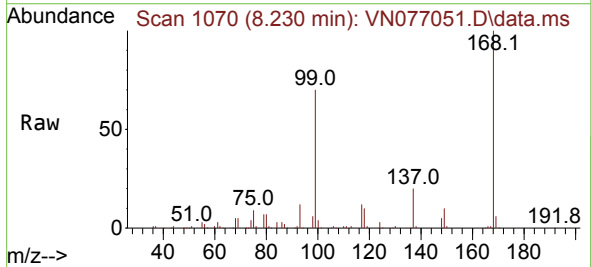
Instrument :
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ClientSampleId :
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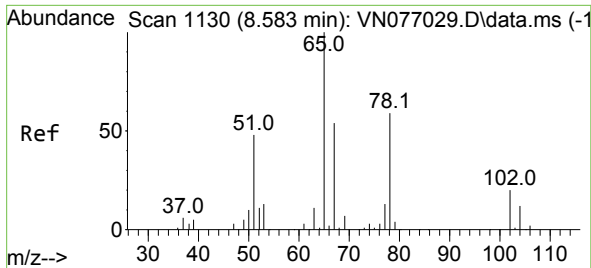
Tgt Ion: 83 Resp: 3539
Ion Ratio Lower Upper
83 100
85 65.8 50.6 75.8



#31
Cyclohexane
Concen: 0.953 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 56 Resp: 8687
Ion Ratio Lower Upper
56 100
69 188.4 22.8 34.2#
84 139.1 64.7 97.1#

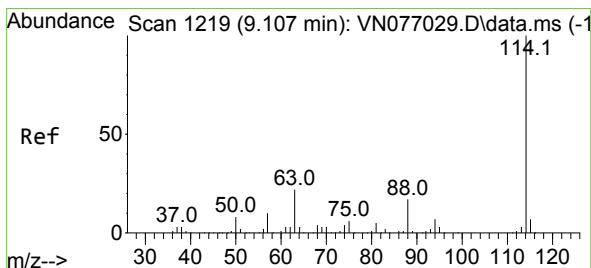
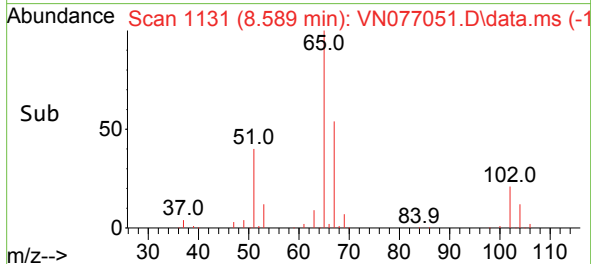
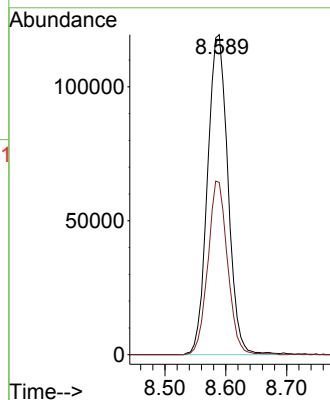
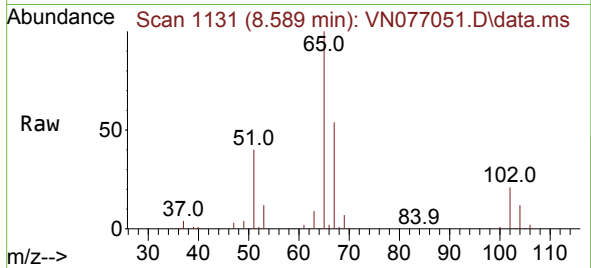




#33
1,2-Dichloroethane-d4
Concen: 49.992 ug/l
RT: 8.589 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

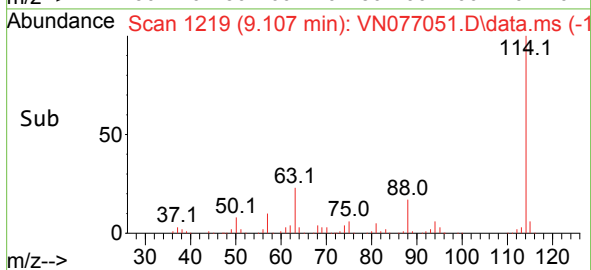
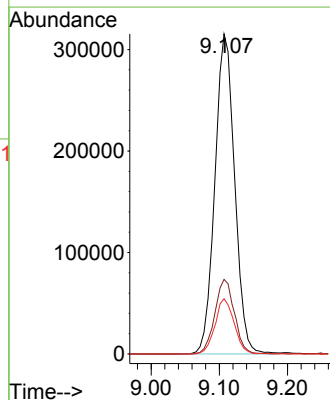
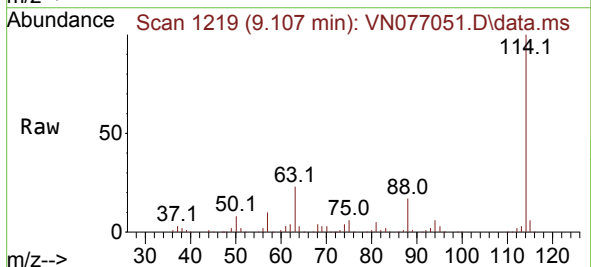
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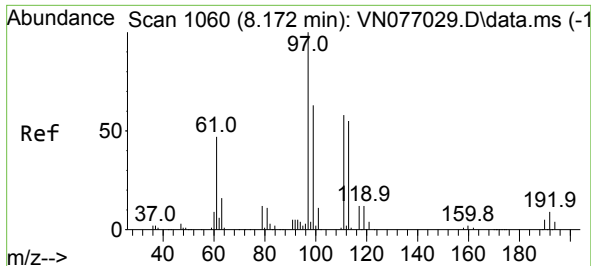
Tgt Ion: 65 Resp: 278493
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 114 Resp: 636505
Ion Ratio Lower Upper
114 100
63 23.3 0.0 44.6
88 17.2 0.0 33.8

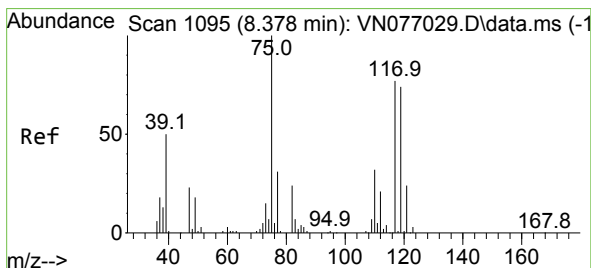
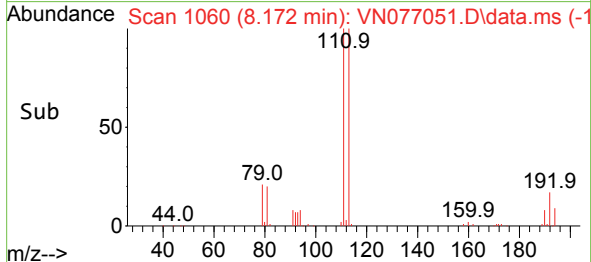
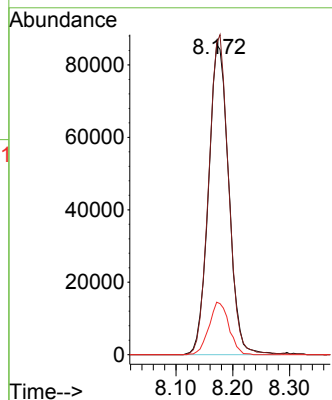
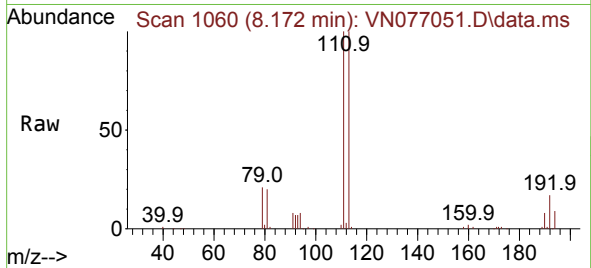




#35
Dibromofluoromethane
Concen: 47.560 ug/l
RT: 8.172 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

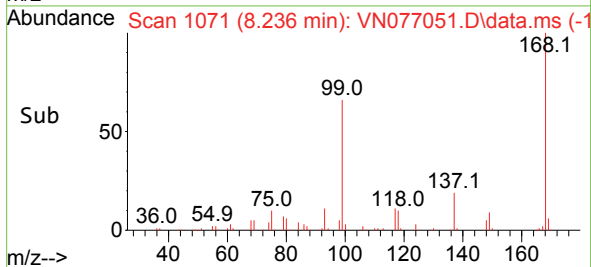
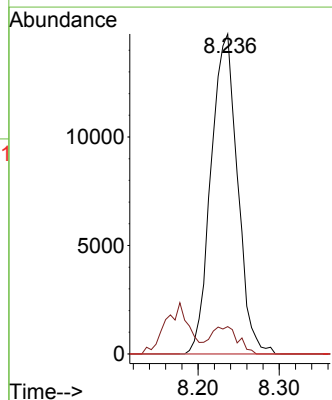
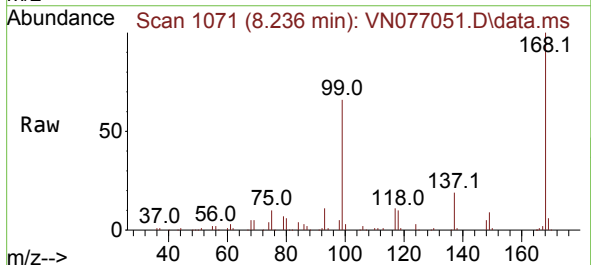
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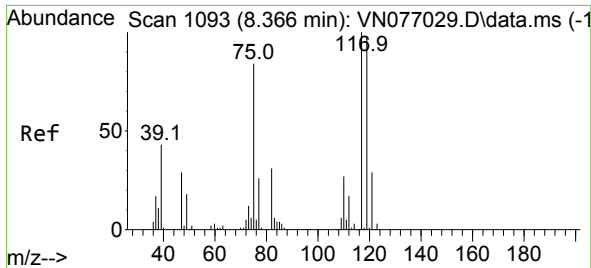
Tgt Ion:113 Resp: 211998
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.2
192 16.6 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 75 Resp: 33502
Ion Ratio Lower Upper
75 100
110 8.6 15.9 47.7#
77 0.0 24.3 36.5#

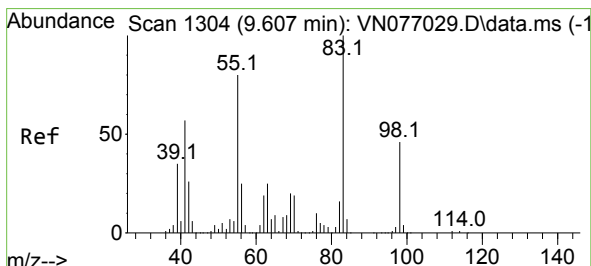
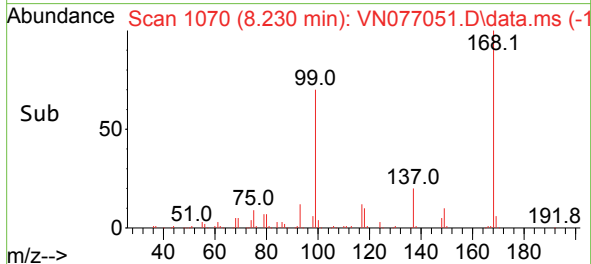
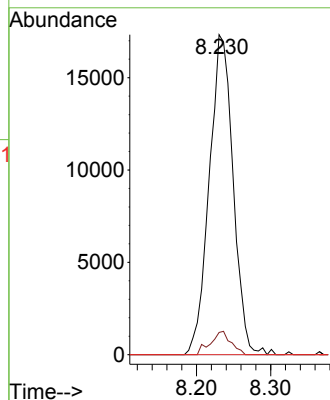
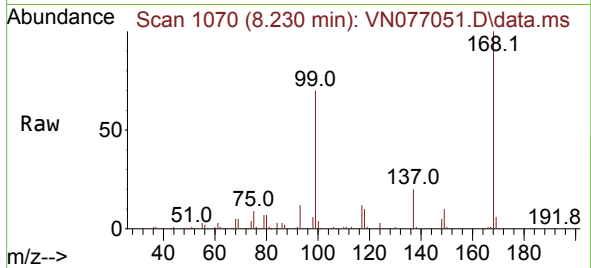




#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

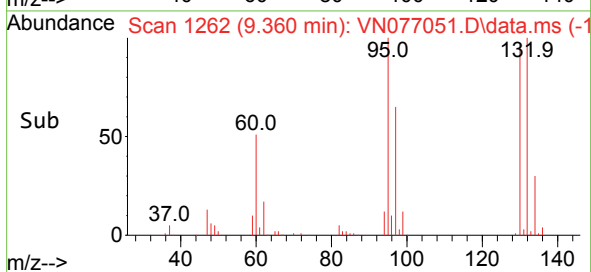
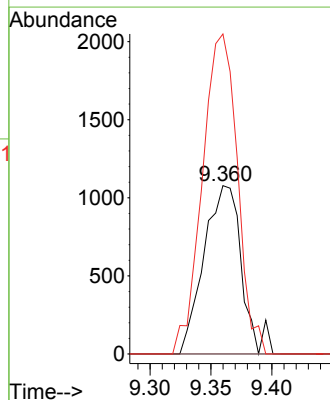
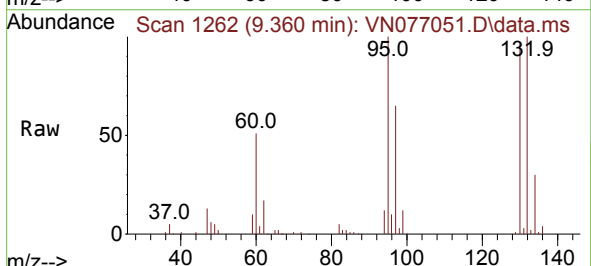
Instrument :
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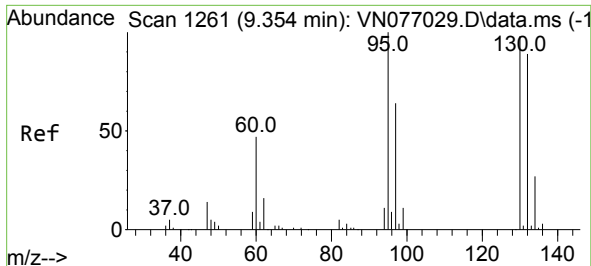
Tgt Ion:117 Resp: 38800
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.284 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.247 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 83 Resp: 2315
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 190.1 37.1 55.7#

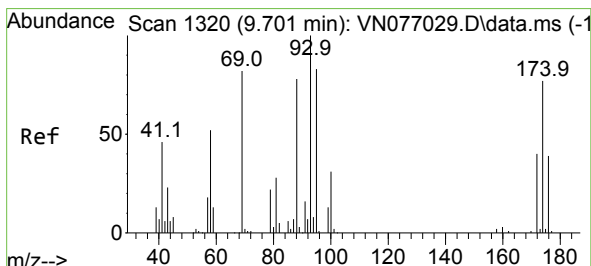
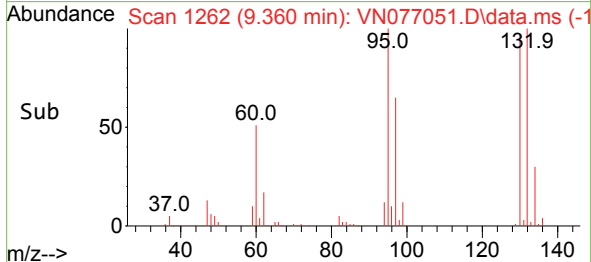
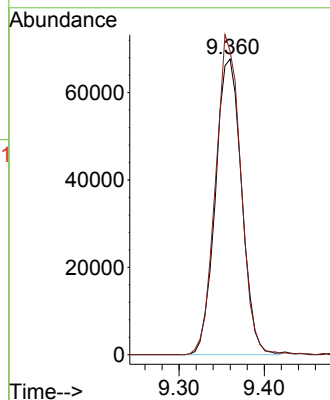
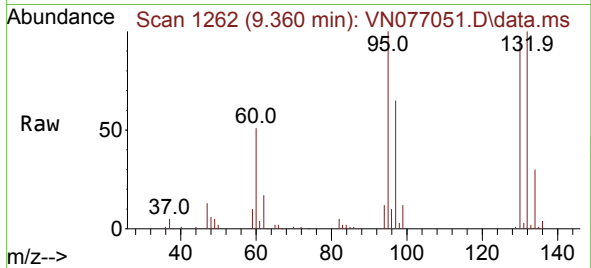




#44
Trichloroethene
Concen: 29.800 ug/l
RT: 9.360 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

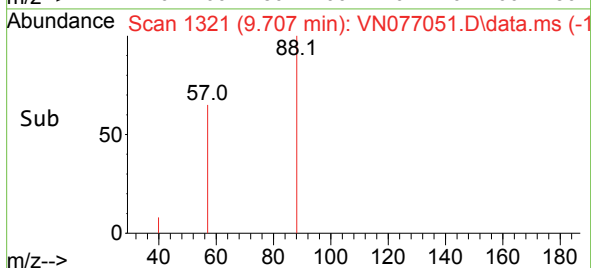
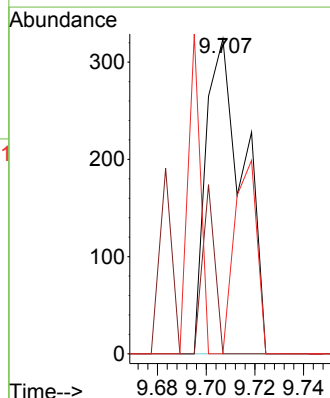
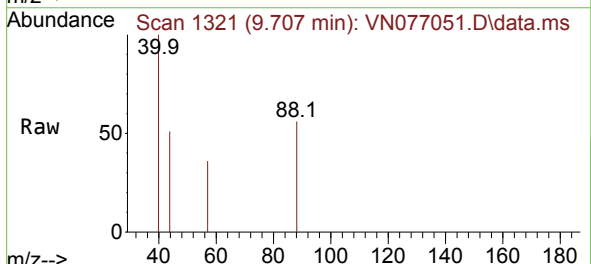
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20230313

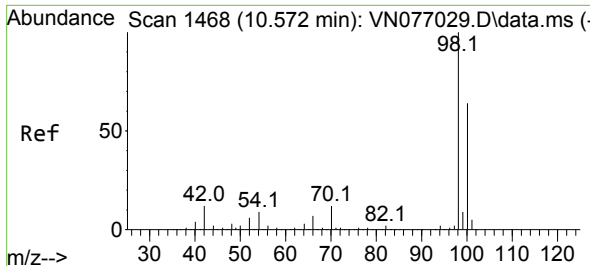
Tgt Ion:130 Resp: 144530
Ion Ratio Lower Upper
130 100
95 102.6 0.0 204.4



#49
1,4-Dioxane
Concen: 3.641 ug/l
RT: 9.707 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 88 Resp: 346
Ion Ratio Lower Upper
88 100
43 17.6 22.2 33.2#
58 33.5 60.8 91.2#

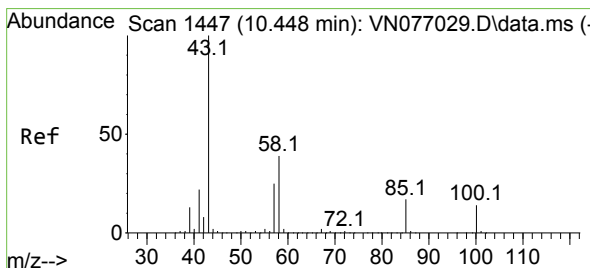
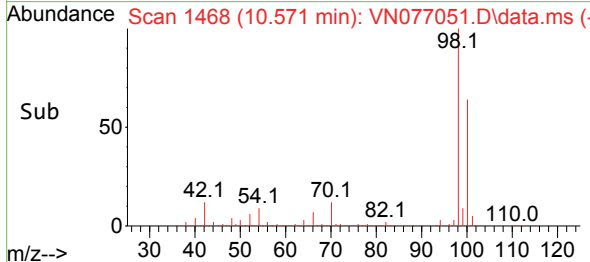
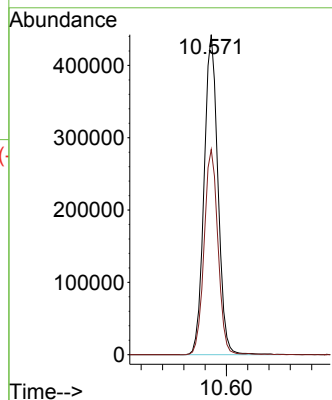
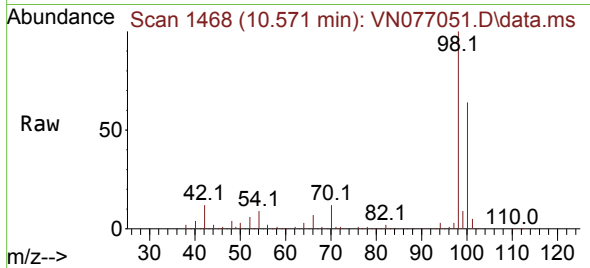




#50
Toluene-d8
Concen: 49.927 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

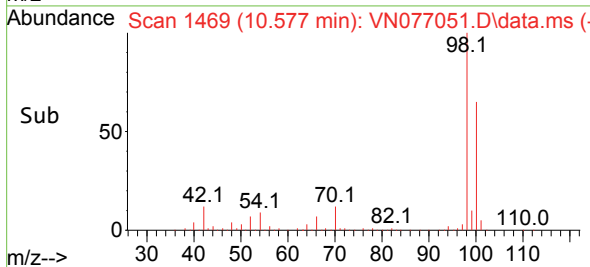
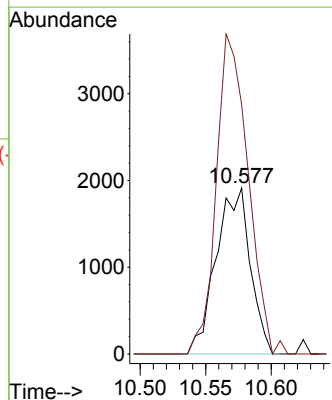
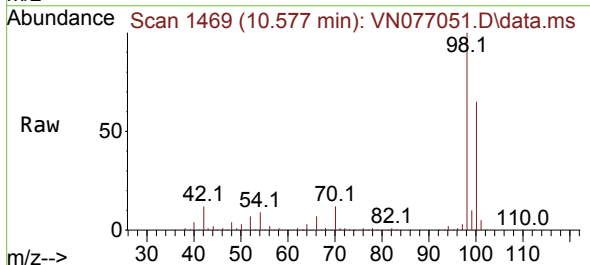
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20230313

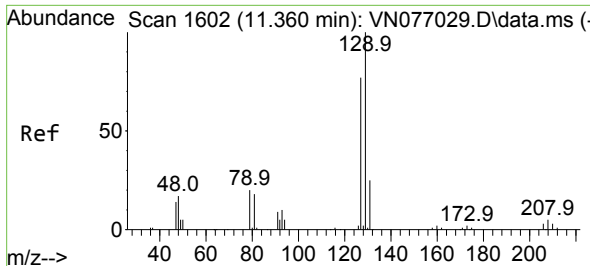
Tgt Ion: 98 Resp: 794979
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 10.577 min Scan# 1469
Delta R.T. 0.129 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 43 Resp: 3462
Ion Ratio Lower Upper
43 100
58 179.8 31.1 46.7#

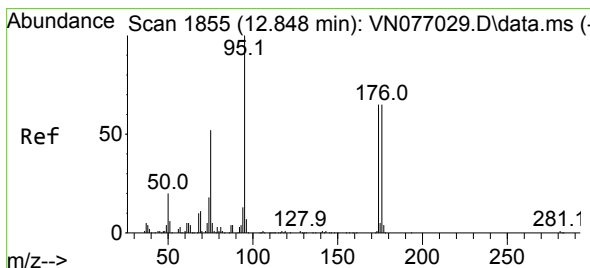
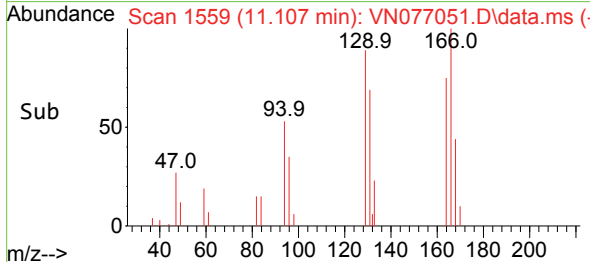
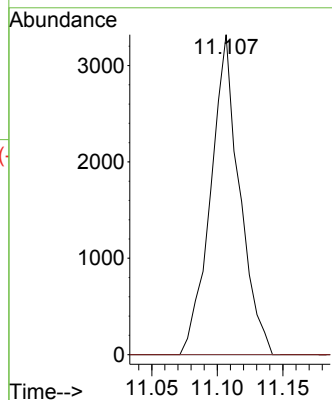
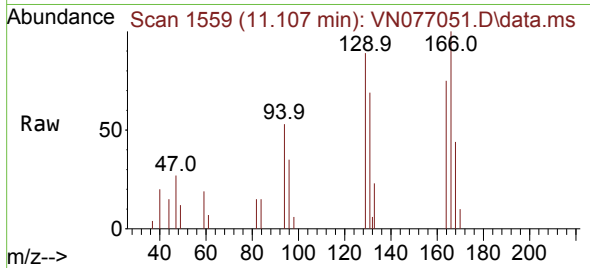




#60
Dibromochloromethane
Concen: 1.020 ug/l
RT: 11.107 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

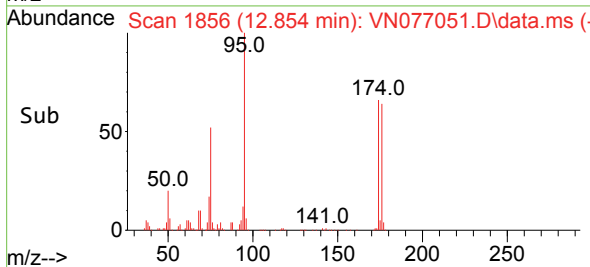
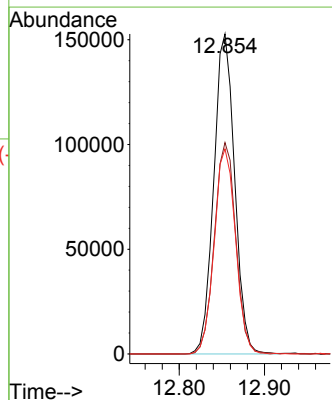
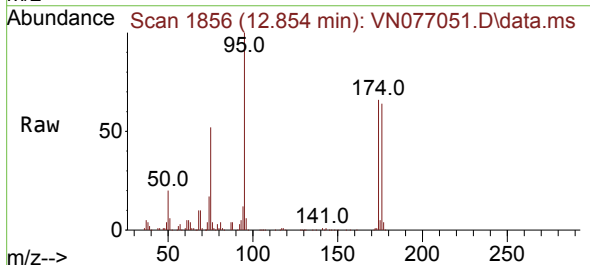
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20230313

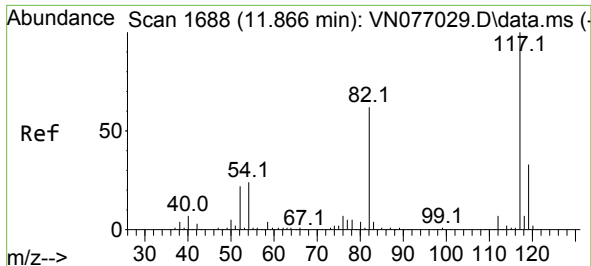
Tgt Ion:129 Resp: 5092
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 46.190 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion: 95 Resp: 259891
Ion Ratio Lower Upper
95 100
174 67.8 0.0 136.6
176 65.5 0.0 130.0

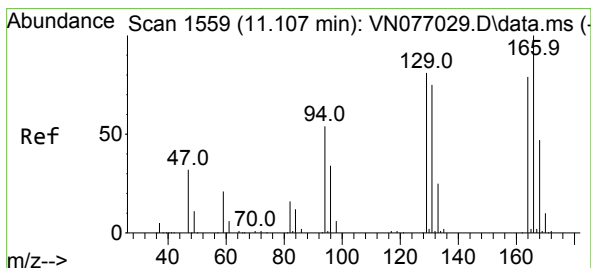
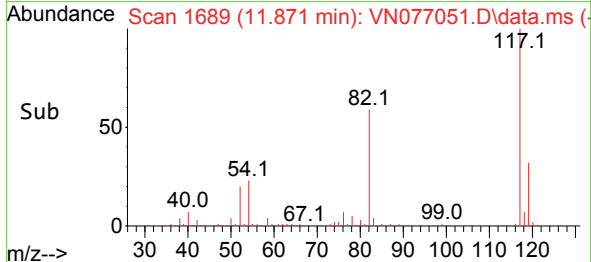
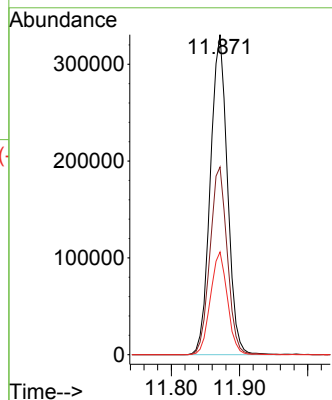
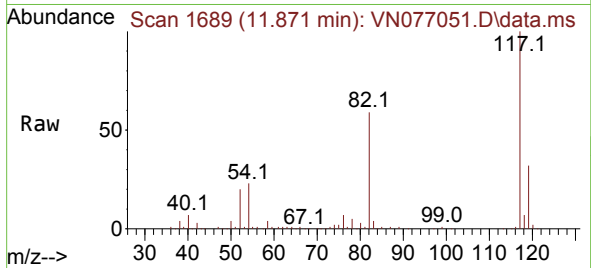




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

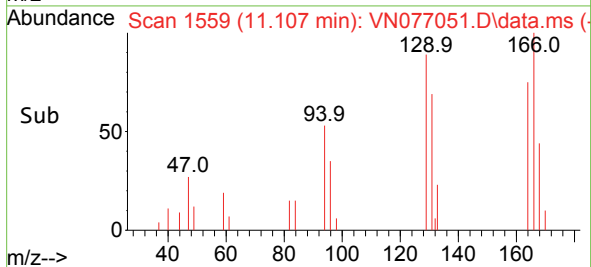
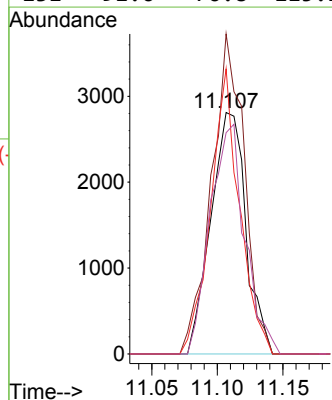
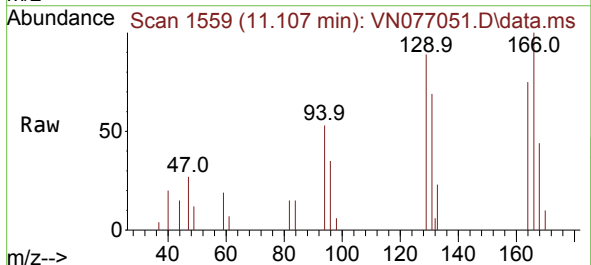
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20230313

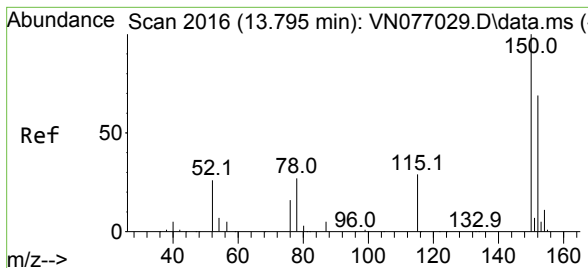
Tgt Ion:117 Resp: 576252
Ion Ratio Lower Upper
117 100
82 58.7 49.4 74.0
119 32.1 26.5 39.7



#64
Tetrachloroethene
Concen: 1.346 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion:164 Resp: 5206
Ion Ratio Lower Upper
164 100
166 132.5 101.9 152.9
129 118.1 82.6 123.8
131 91.6 76.8 115.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077051.D

Acq: 17 Mar 2023 22:38

Instrument :

MSVOA_N

ClientSampleId :

TT172S1-20230313

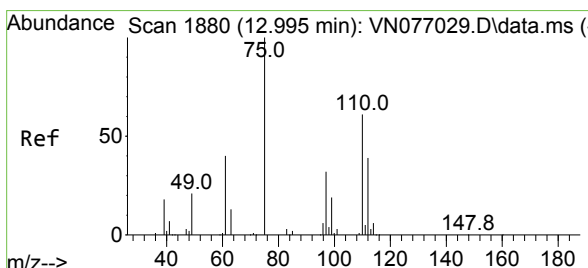
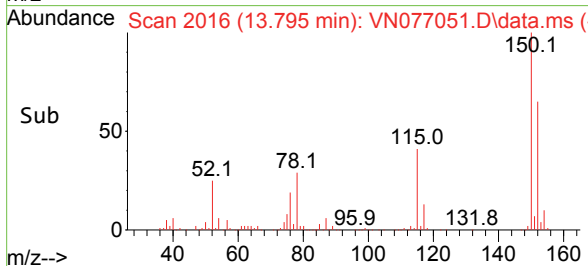
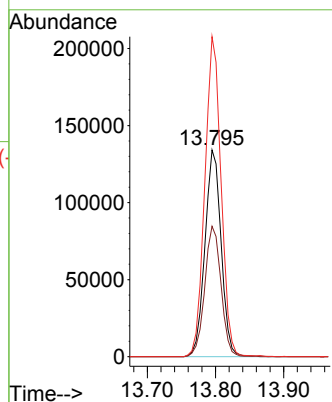
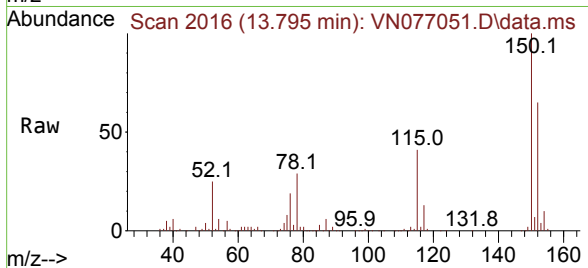
Tgt Ion:152 Resp: 221689

Ion Ratio Lower Upper

152 100

115 63.4 31.9 95.7

150 155.0 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 23.751 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077051.D

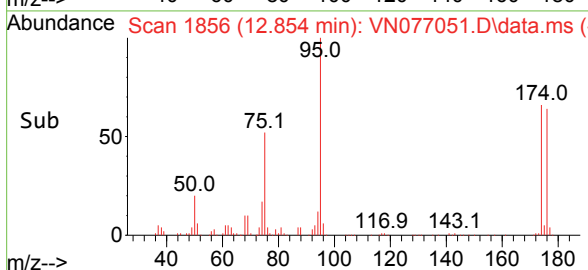
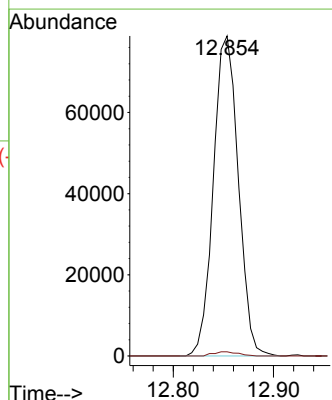
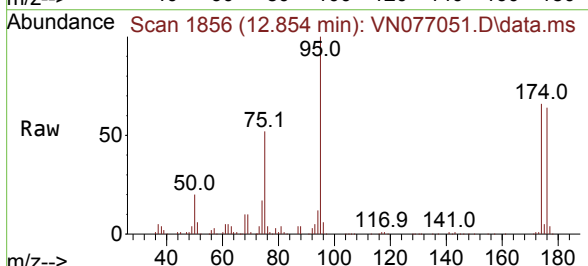
Acq: 17 Mar 2023 22:38

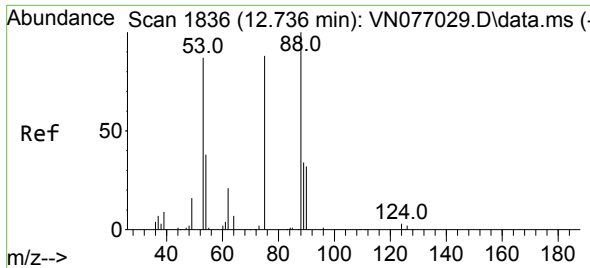
Tgt Ion: 75 Resp: 136194

Ion Ratio Lower Upper

75 100

77 1.3 107.3 322.0#

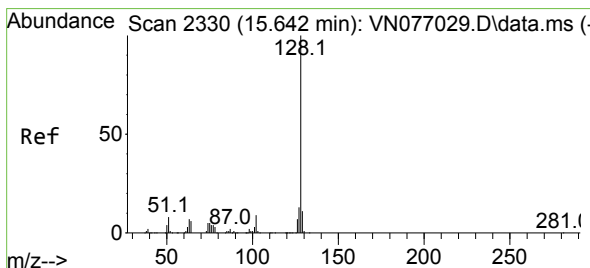
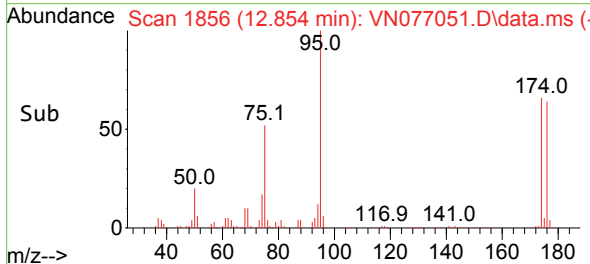
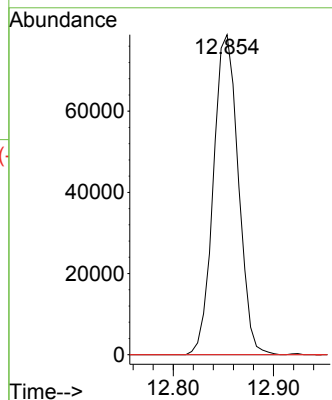
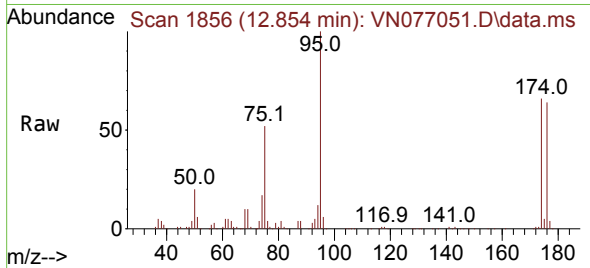




#81
trans-1,4-Dichloro-2-butene
Concen: 65.376 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20230313

Tgt Ion: 75 Resp: 136194
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.924 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077051.D
Acq: 17 Mar 2023 22:38

Tgt Ion:128 Resp: 187
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

