

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077161.D
 Acq On : 23 Mar 2023 19:56
 Operator : JC\MD
 Sample : 02048-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 24 01:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

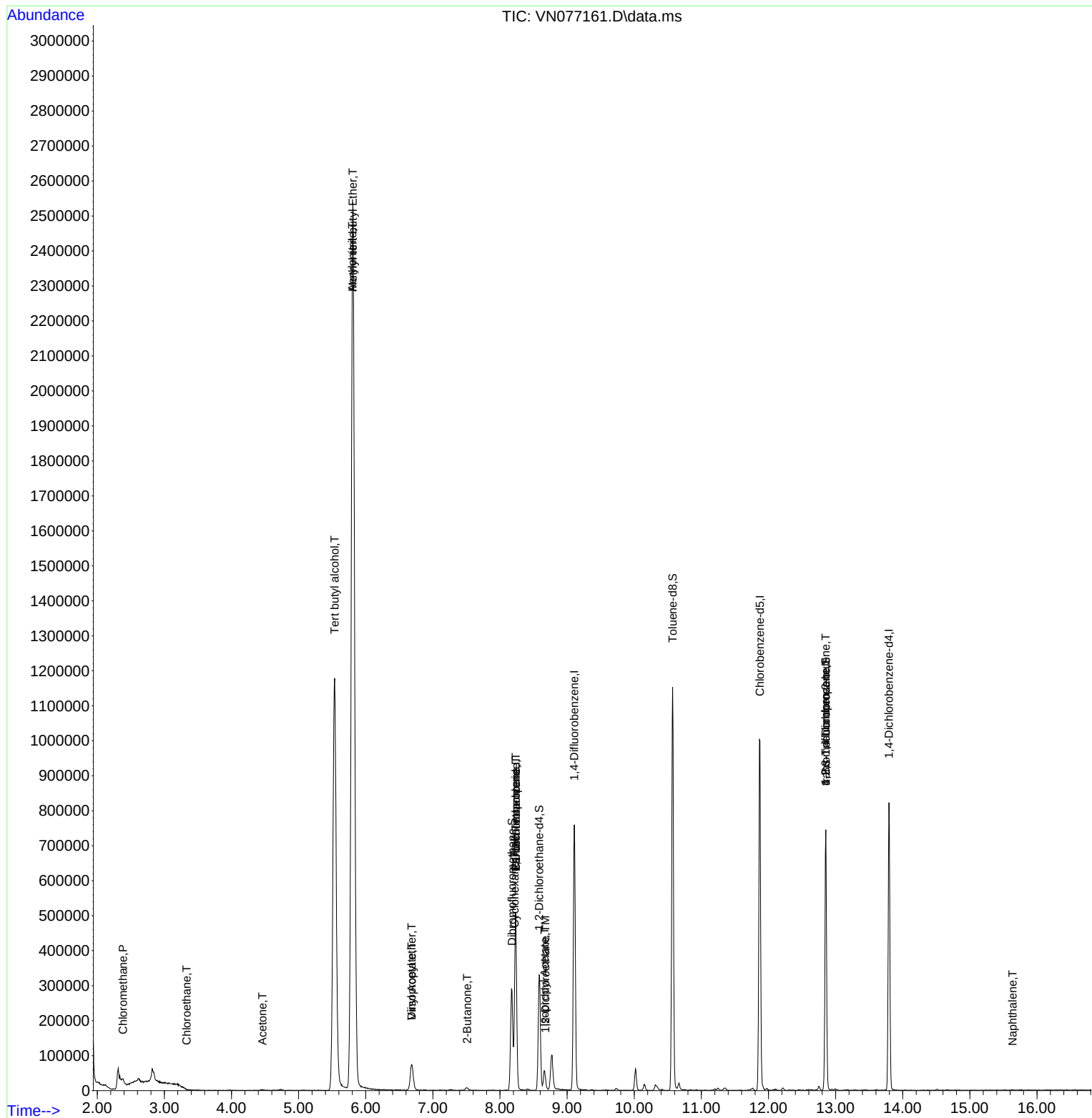
Internal Standards						
1) Pentafluorobenzene	8.236	168	349322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	634799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	549628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	208939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	272021	48.751	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.500%		
35) Dibromofluoromethane	8.178	113	203422	45.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.520%		
50) Toluene-d8	10.572	98	762864	48.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.080%		
62) 4-Bromofluorobenzene	12.854	95	231926	41.331	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.337	85	225	Below Cal	#	42
3) Chloromethane	2.384	50	3120	0.886	ug/l #	84
6) Chloroethane	3.331	64	1181	0.491	ug/l #	42
11) Tert butyl alcohol	5.537	59	2049837	2521.092	ug/l	100
15) Acrylonitrile	5.801	53	47703	17.452	ug/l #	27
16) Acetone	4.460	43	3786	1.523	ug/l #	82
19) Methyl tert-butyl Ether	5.807	73	4028709	264.681	ug/l	98
22) Diisopropyl ether	6.684	45	88583	5.207	ug/l	94
23) Vinyl Acetate	6.684	43	51922	4.837	ug/l #	73
25) 2-Butanone	7.513	43	4099	1.127	ug/l #	49
31) Cyclohexane	8.219	56	10459	1.146	ug/l #	66
36) 1,1-Dichloropropene	8.236	75	32562	4.690	ug/l #	52
38) Carbon Tetrachloride	8.236	117	36600	5.412	ug/l #	15
42) 1,2-Dichloroethane	8.678	62	5990	0.787	ug/l	96
43) Isopropyl Acetate	8.666	43	12183	1.050	ug/l #	64
76) 1,2,3-Trichloropropane	12.854	75	132620	24.539	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	132620	67.545	ug/l #	10
95) Naphthalene	15.636	128	496	1.946	ug/l #	70

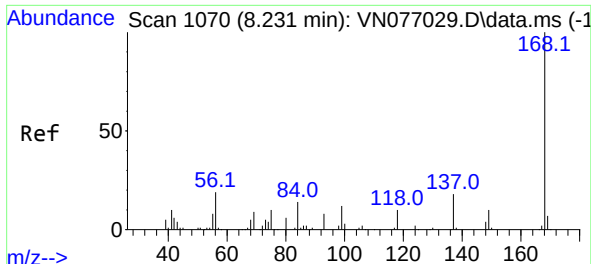
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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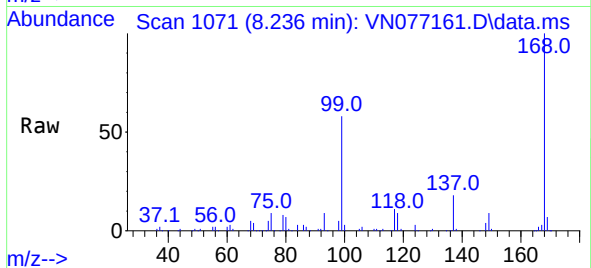
Quant Time: Mar 24 01:37:27 2023
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QLast Update : Mon Mar 20 08:50:30 2023
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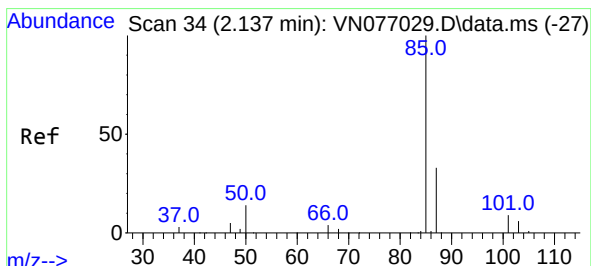
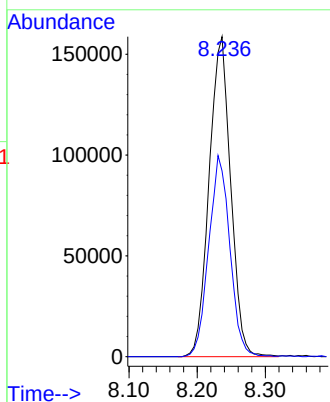
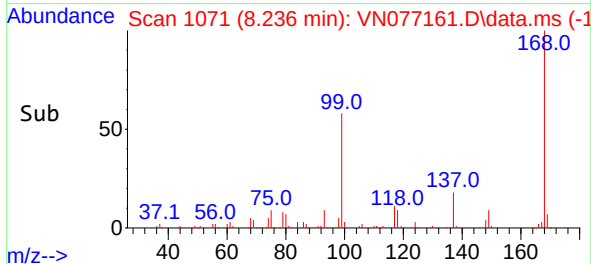


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

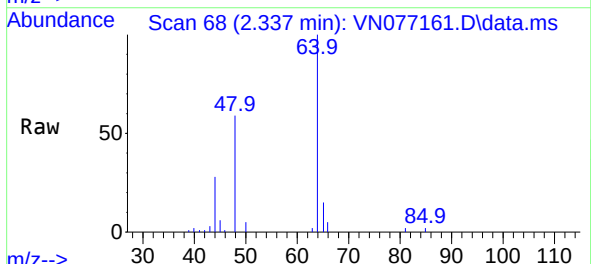
Instrument :
MSVOA_N
ClientSampleId :



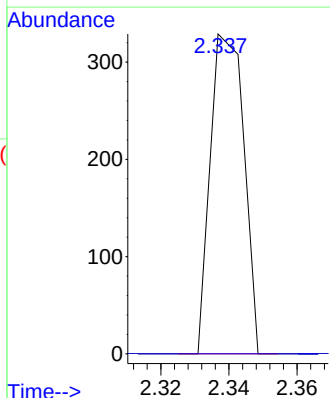
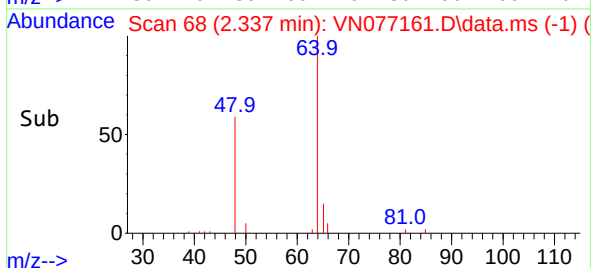
Tgt Ion:168 Resp: 349322
Ion Ratio Lower Upper
168 100
99 58.1 53.9 80.9



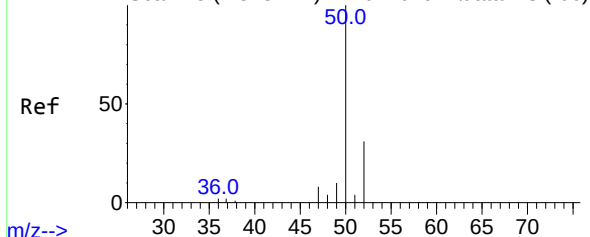
#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.337 min Scan# 68
Delta R.T. 0.200 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56



Tgt Ion: 85 Resp: 225
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#



Abundance Scan 75 (2.378 min): VN077029.D\data.ms (-66)



#3

Chloromethane

Concen: 0.886 ug/l

RT: 2.384 min Scan# 7

Delta R.T. 0.006 min

Lab File: VN077161.D

Acq: 23 Mar 2023 19:56

Instrument :

MSVOA_N

ClientSampleId :

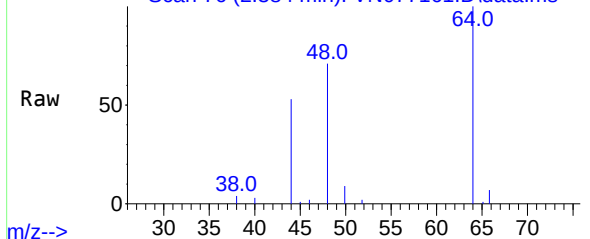
Tgt Ion: 50 Resp: 3120

Ion Ratio Lower Upper

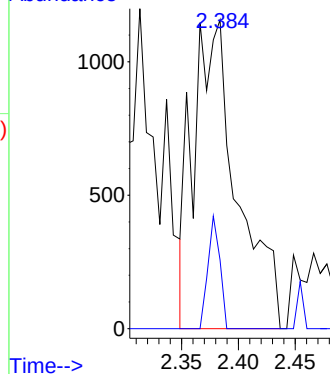
50 100

52 22.3 25.1 37.7#

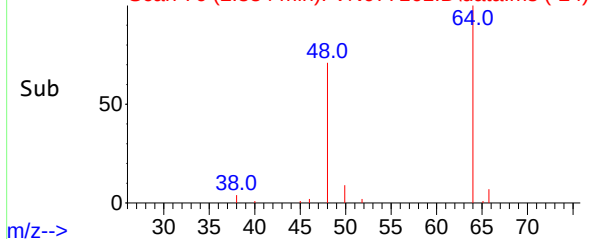
Abundance Scan 76 (2.384 min): VN077161.D\data.ms



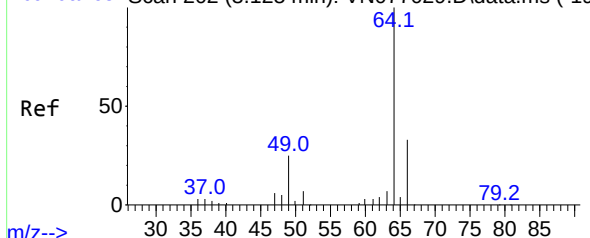
Abundance



Abundance Scan 76 (2.384 min): VN077161.D\data.ms (-24)



Abundance Scan 202 (3.125 min): VN077029.D\data.ms (-19)



#6

Chloroethane

Concen: 0.491 ug/l

RT: 3.331 min Scan# 237

Delta R.T. 0.206 min

Lab File: VN077161.D

Acq: 23 Mar 2023 19:56

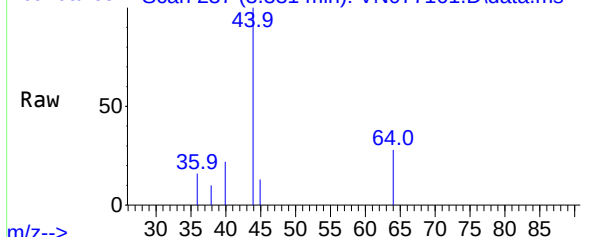
Tgt Ion: 64 Resp: 1181

Ion Ratio Lower Upper

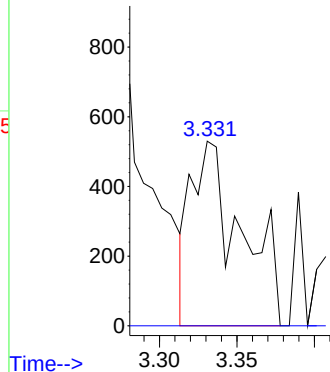
64 100

66 0.0 26.3 39.5#

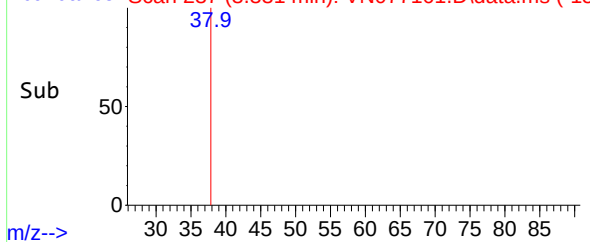
Abundance Scan 237 (3.331 min): VN077161.D\data.ms

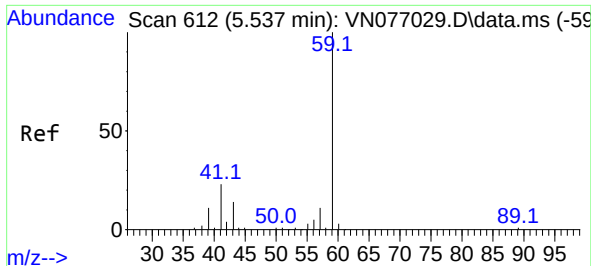


Abundance



Abundance Scan 237 (3.331 min): VN077161.D\data.ms (-15)

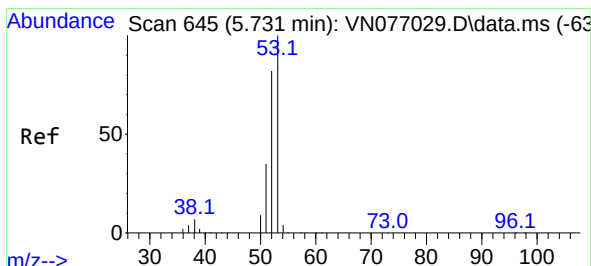
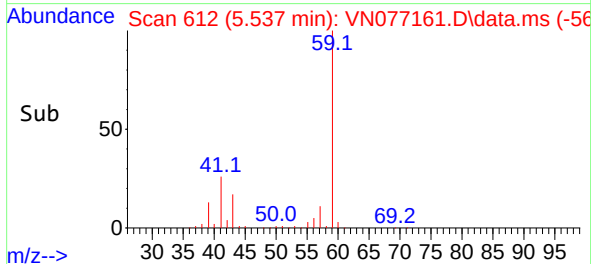
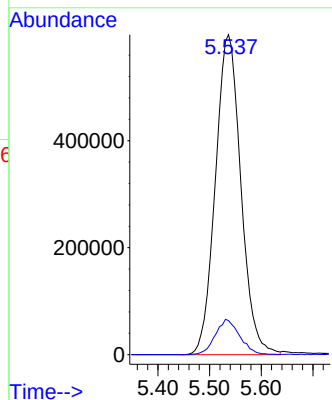
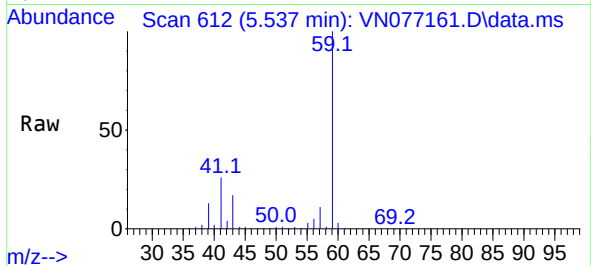




#11
Tert butyl alcohol
Concen: 2521.092 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

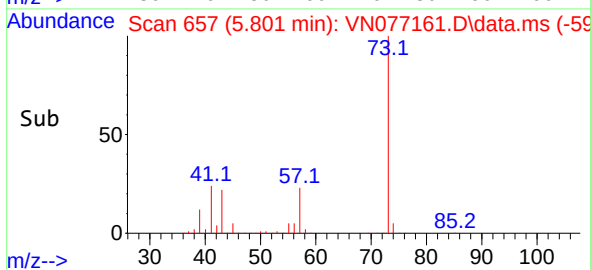
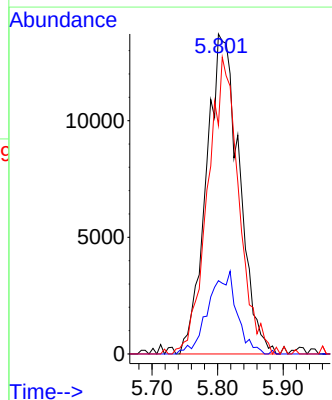
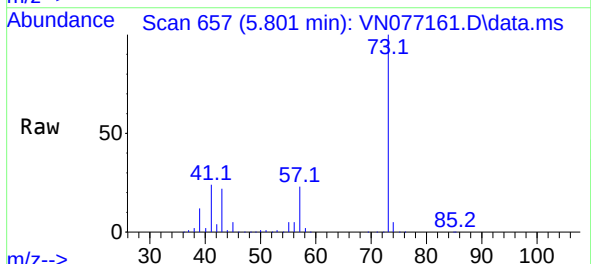
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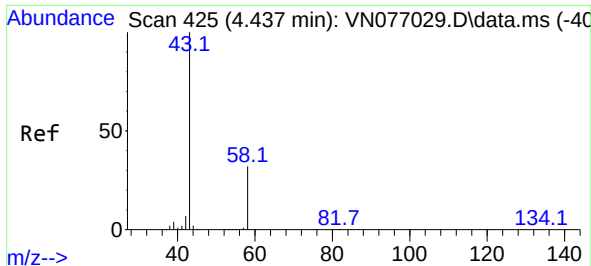
Tgt Ion: 59 Resp: 2049837
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8



#15
Acrylonitrile
Concen: 17.452 ug/l
RT: 5.801 min Scan# 657
Delta R.T. 0.070 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Tgt Ion: 53 Resp: 47703
Ion Ratio Lower Upper
53 100
52 22.4 64.6 97.0#
51 87.9 28.3 42.5#

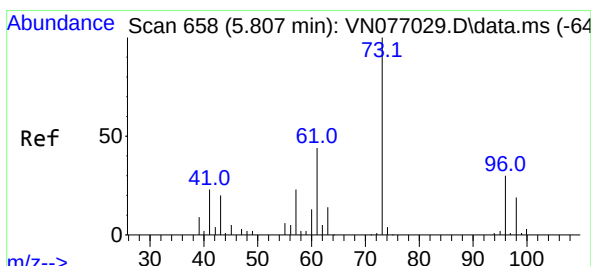
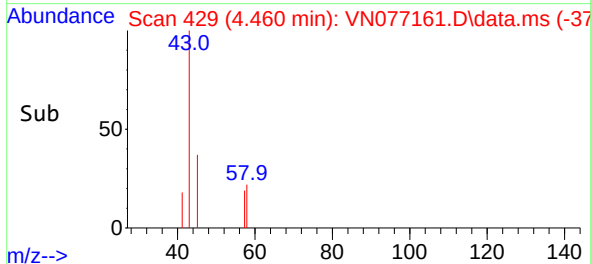
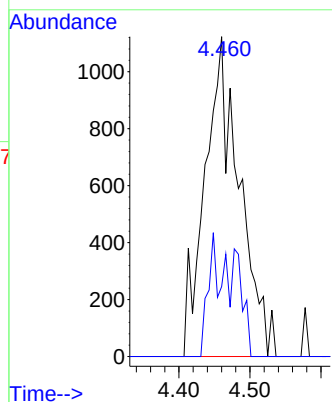
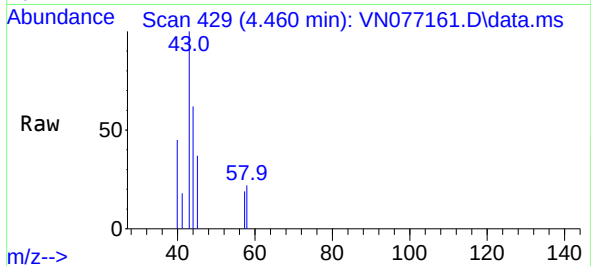




#16
Acetone
Concen: 1.523 ug/l
RT: 4.460 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

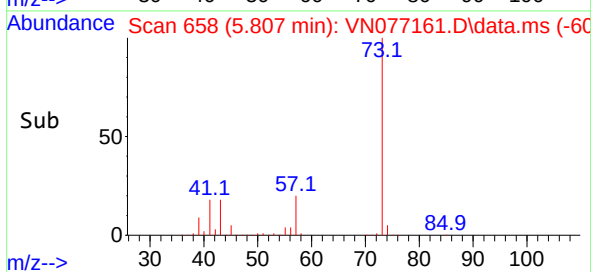
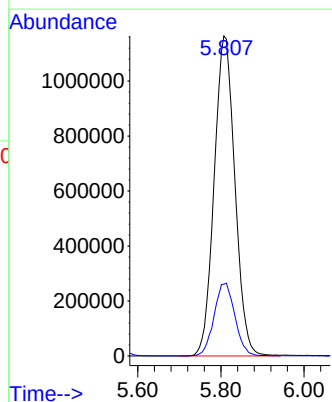
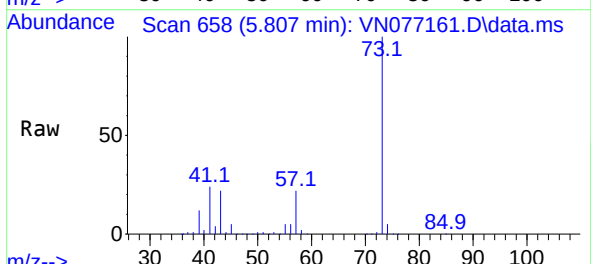
Instrument :
MSVOA_N
ClientSampleId :

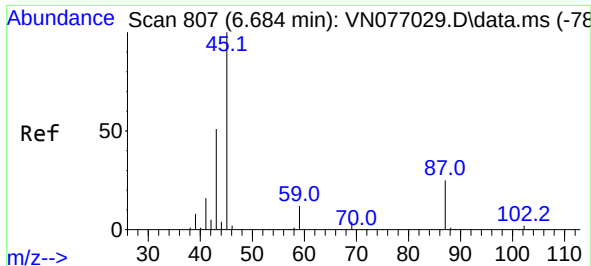
Tgt Ion: 43 Resp: 3786
Ion Ratio Lower Upper
43 100
58 21.9 25.4 38.0#



#19
Methyl tert-butyl Ether
Concen: 264.681 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

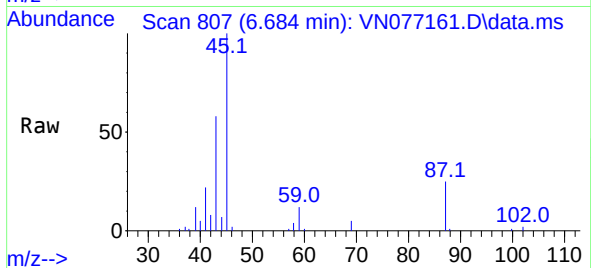
Tgt Ion: 73 Resp: 4028709
Ion Ratio Lower Upper
73 100
57 22.4 18.7 28.1



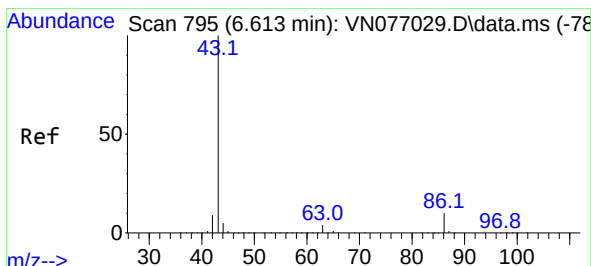
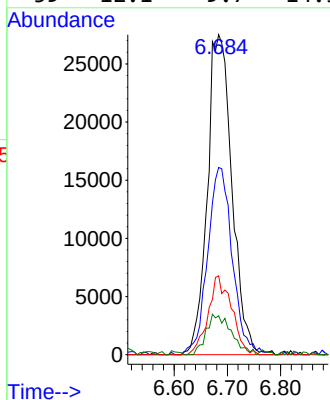
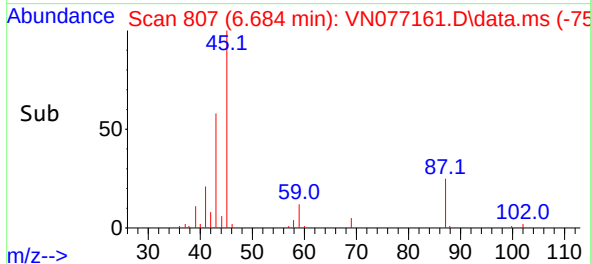


#22
Diisopropyl ether
Concen: 5.207 ug/l
RT: 6.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Instrument :
MSVOA_N
ClientSampleId :

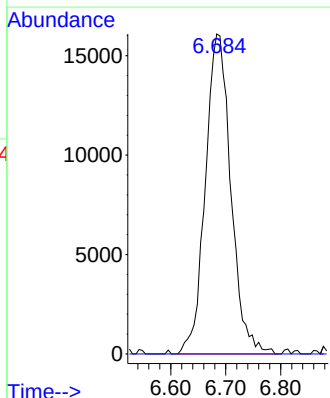
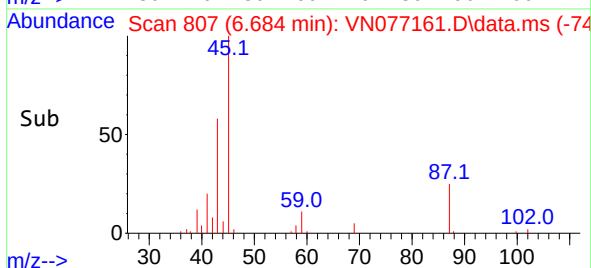
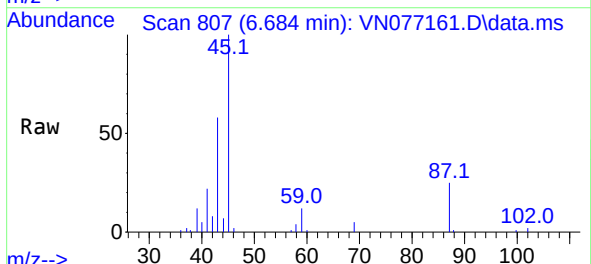


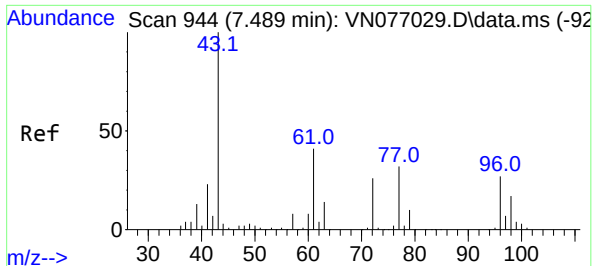
Tgt Ion: 45 Resp: 88583
Ion Ratio Lower Upper
45 100
43 58.5 41.5 62.3
87 24.6 20.6 30.8
59 12.1 9.7 14.5



#23
Vinyl Acetate
Concen: 4.837 ug/l
RT: 6.684 min Scan# 807
Delta R.T. 0.071 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Tgt Ion: 43 Resp: 51922
Ion Ratio Lower Upper
43 100
86 0.0 8.0 12.0#

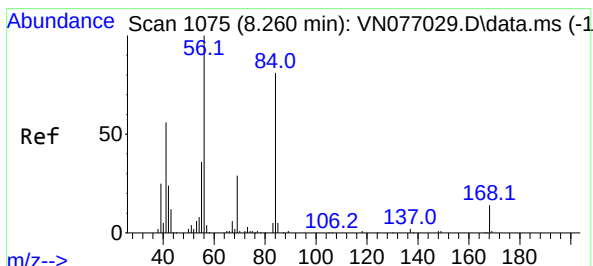
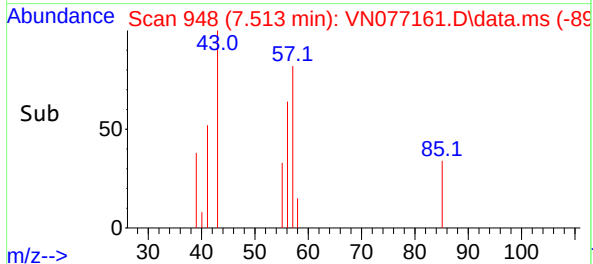
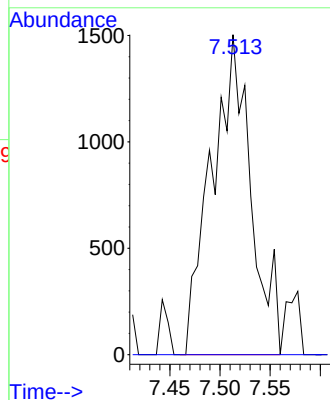
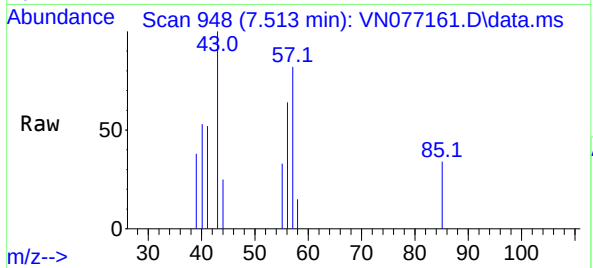




#25
2-Butanone
Concen: 1.127 ug/l
RT: 7.513 min Scan# 94
Delta R.T. 0.024 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

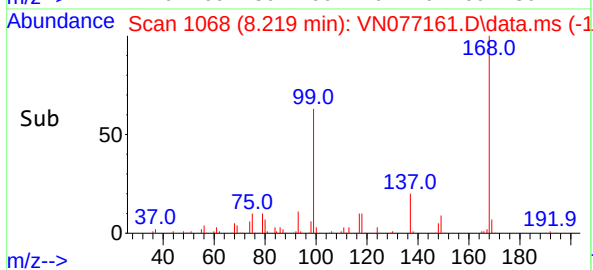
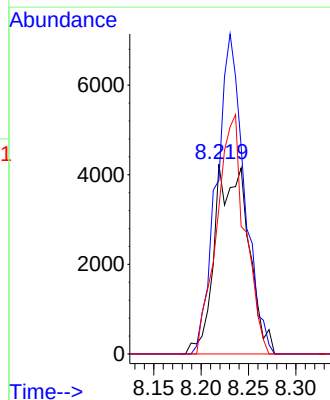
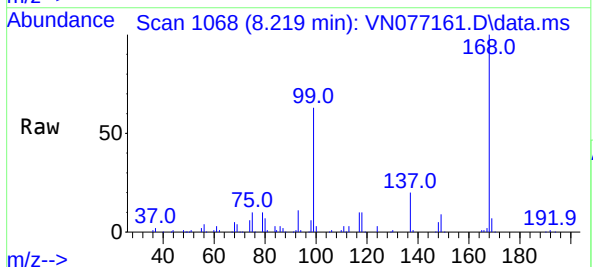
Instrument :
MSVOA_N
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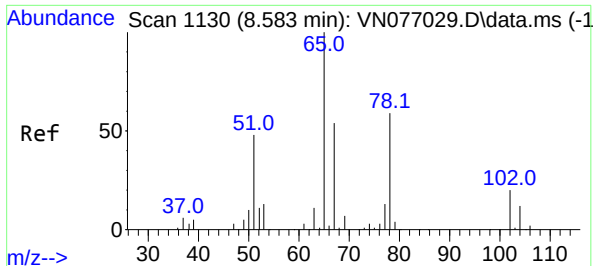
Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.219 min Scan# 1068
Delta R.T. -0.041 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Tgt Ion: 56 Resp: 10459
Ion Ratio Lower Upper
56 100
69 91.5 22.8 34.2#
84 77.2 64.7 97.1

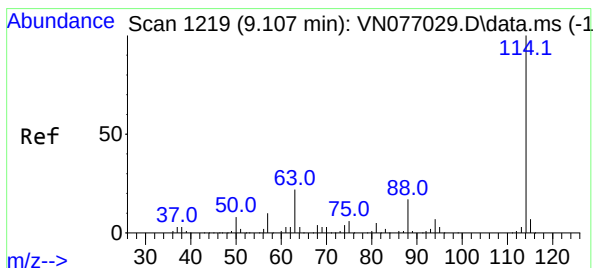
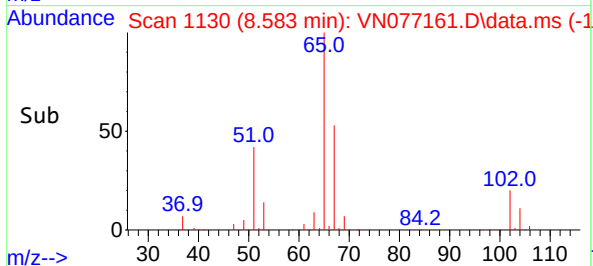
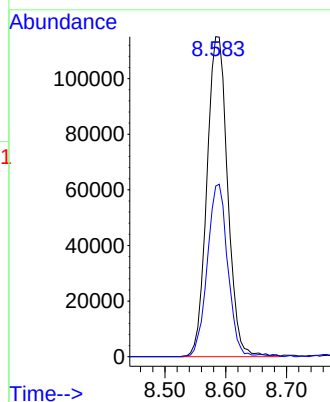
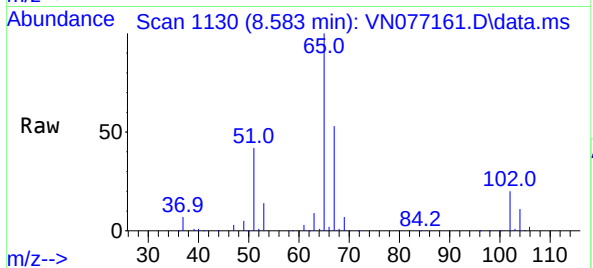




#33
1,2-Dichloroethane-d4
Concen: 48.751 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

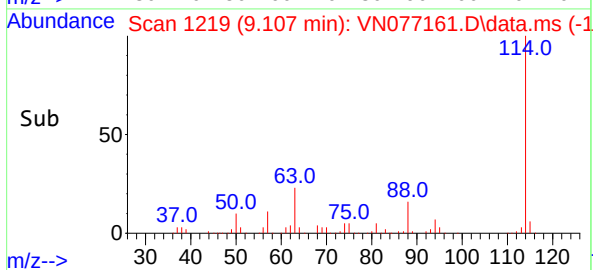
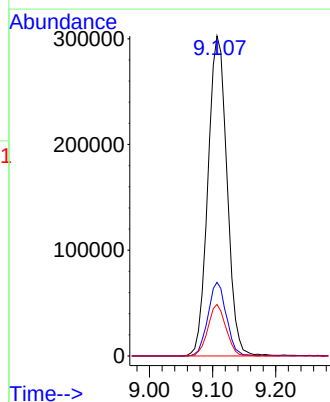
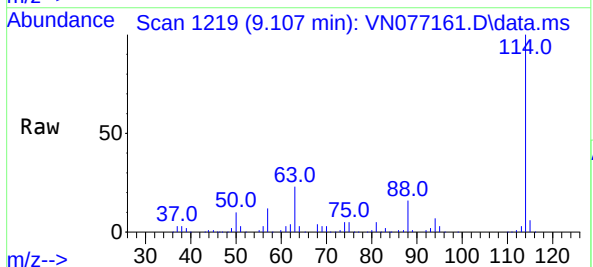
Instrument :
MSVOA_N
ClientSampleId :

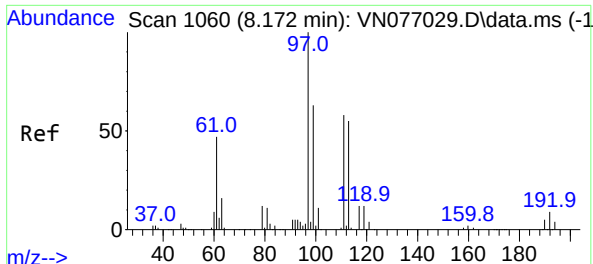
Tgt Ion: 65 Resp: 272021
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

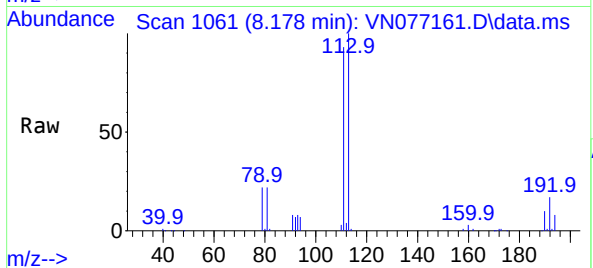
Tgt Ion: 114 Resp: 634799
Ion Ratio Lower Upper
114 100
63 23.0 0.0 44.6
88 16.1 0.0 33.8



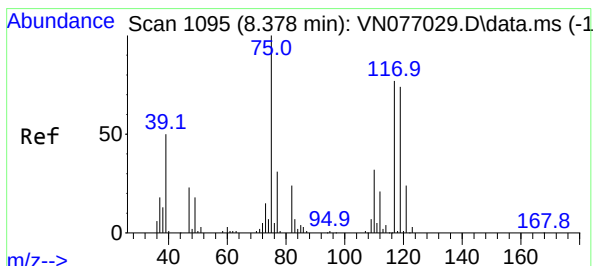
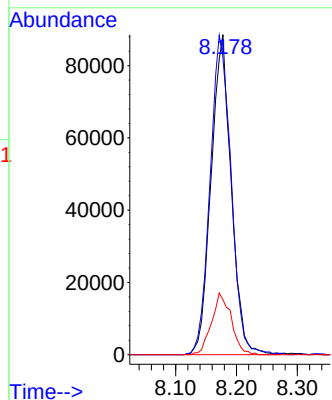
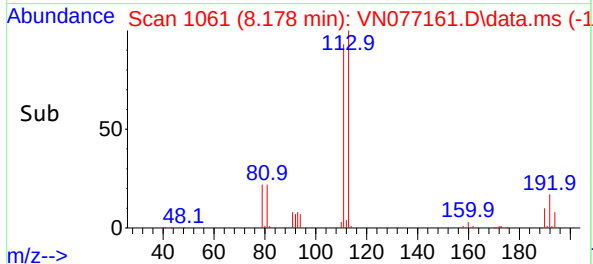


#35
Dibromofluoromethane
Concen: 45.758 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

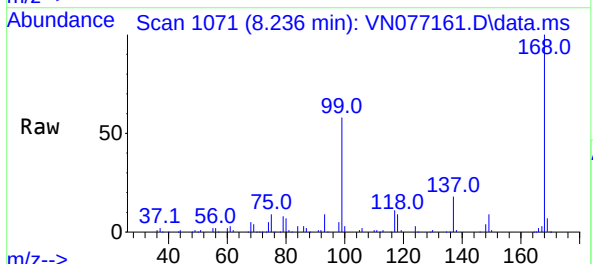
Instrument :
MSVOA_N
ClientSampleId :



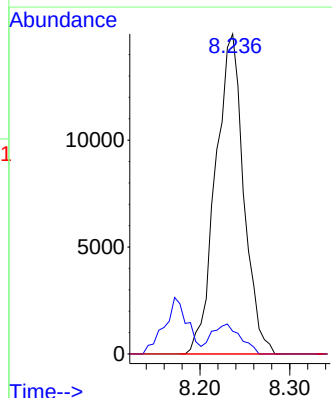
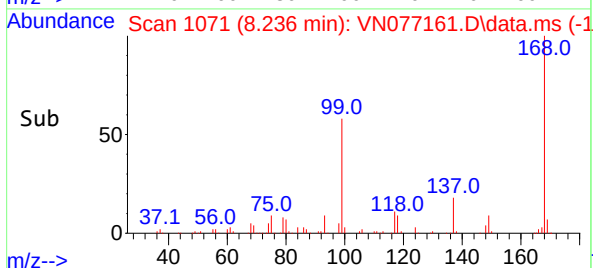
Tgt Ion:113 Resp: 203422
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.2
192 18.8 13.0 19.6

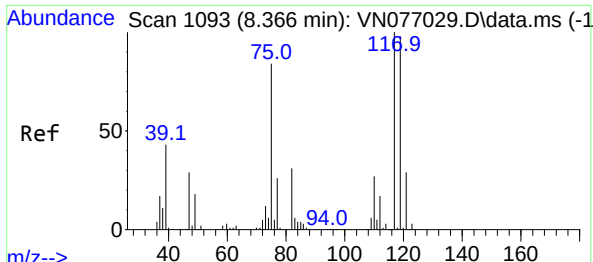


#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56



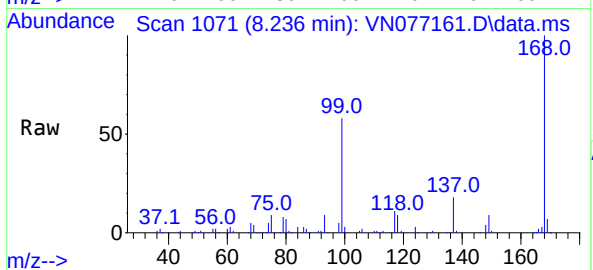
Tgt Ion: 75 Resp: 32562
Ion Ratio Lower Upper
75 100
110 9.6 15.9 47.7#
77 0.0 24.3 36.5#



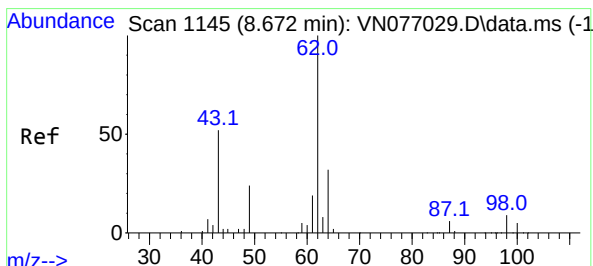
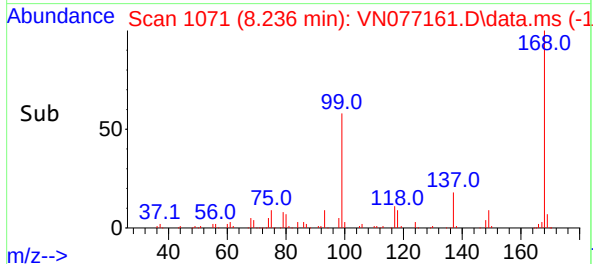
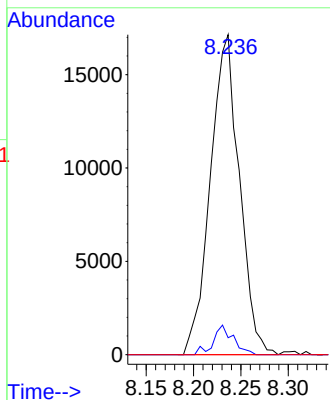


#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 8.236 min Scan# 1093
Delta R.T. -0.129 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Instrument :
MSVOA_N
ClientSampleId :

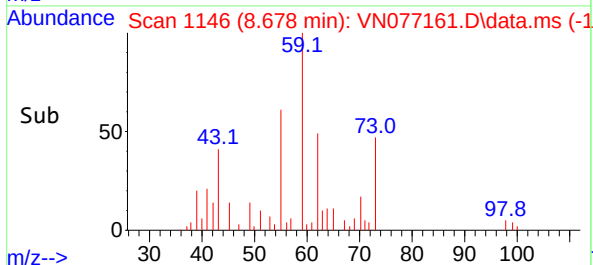
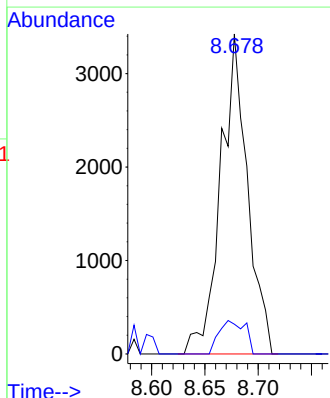
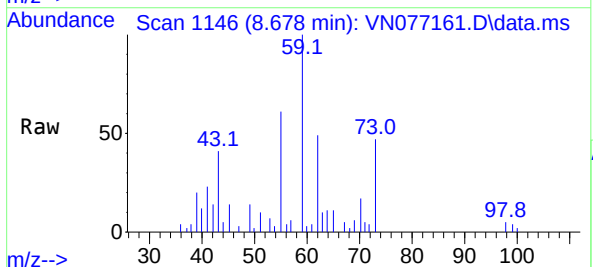


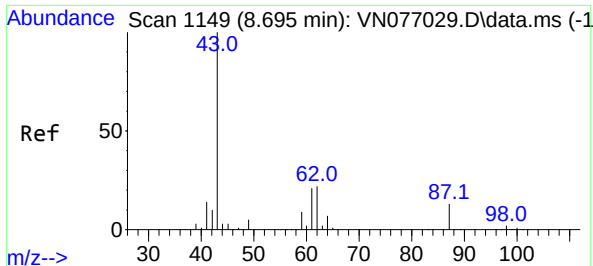
Tgt Ion:117 Resp: 36600
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.787 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Tgt Ion: 62 Resp: 5990
Ion Ratio Lower Upper
62 100
98 10.2 0.0 17.4

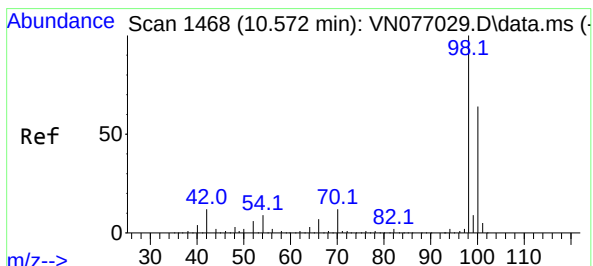
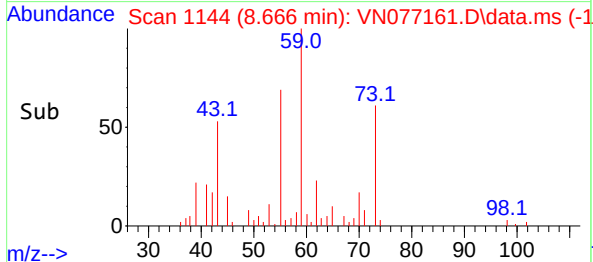
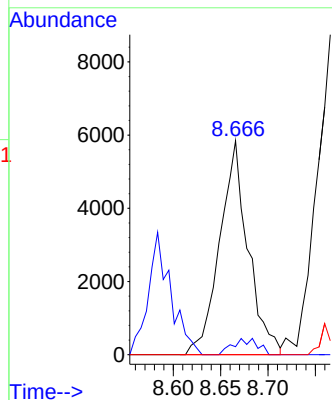
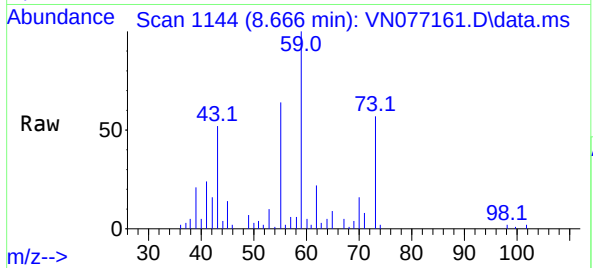




#43
Isopropyl Acetate
Concen: 1.050 ug/l
RT: 8.666 min Scan# 1144
Delta R.T. -0.029 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

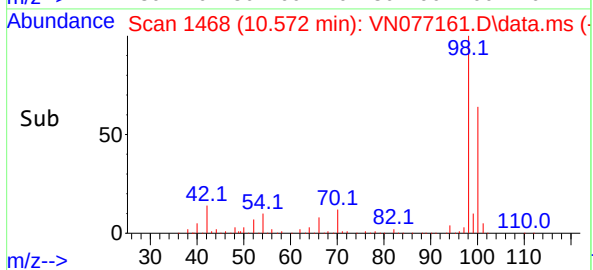
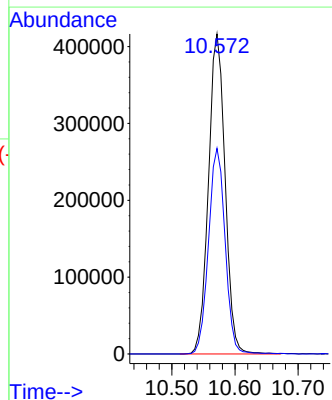
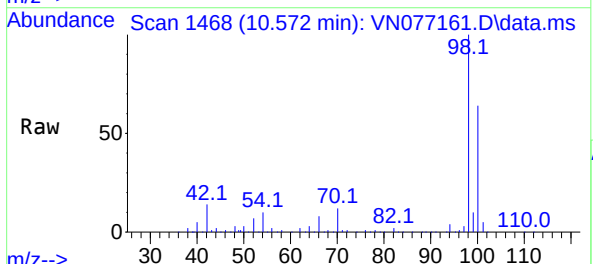
Instrument :
MSVOA_N
ClientSampleId :

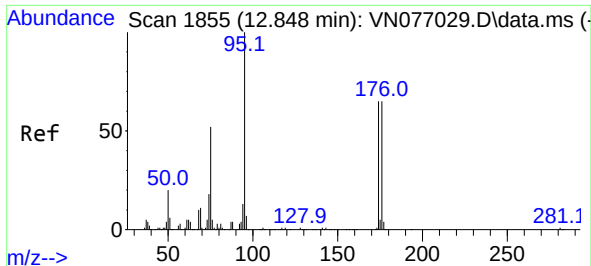
Tgt Ion: 43 Resp: 12183
Ion Ratio Lower Upper
43 100
61 6.5 20.6 30.8#
87 0.0 10.0 15.0#



#50
Toluene-d8
Concen: 48.039 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

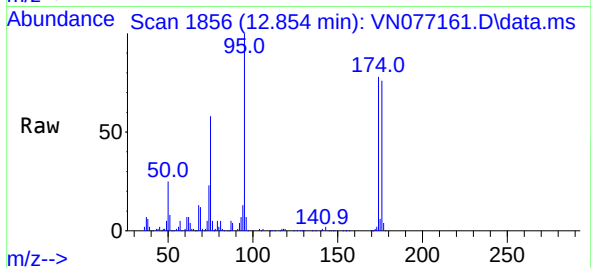
Tgt Ion: 98 Resp: 762864
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



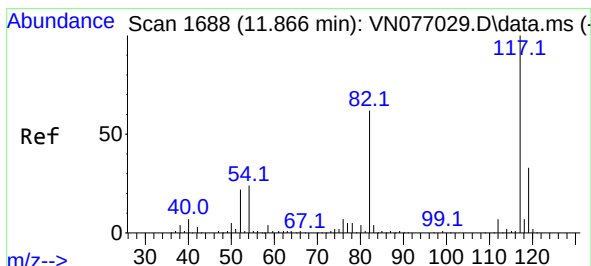
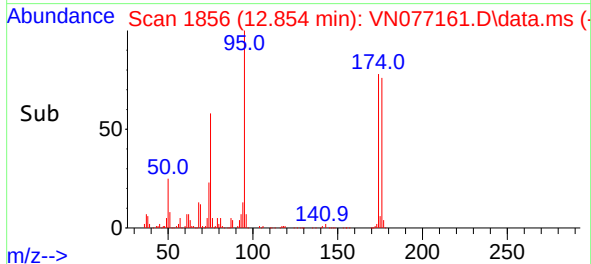
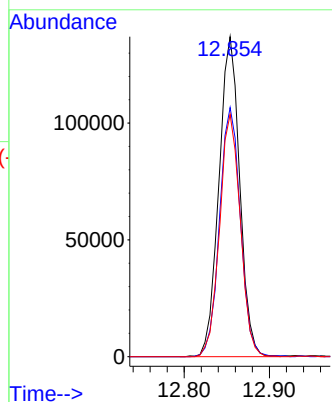


#62
4-Bromofluorobenzene
Concen: 41.331 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Instrument :
MSVOA_N
ClientSampleId :

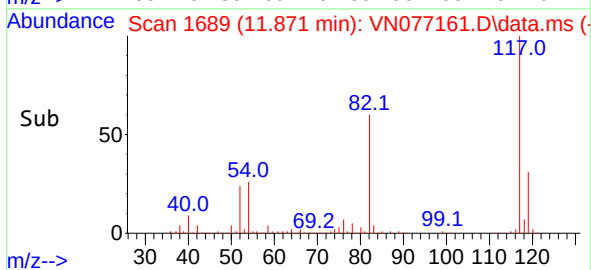
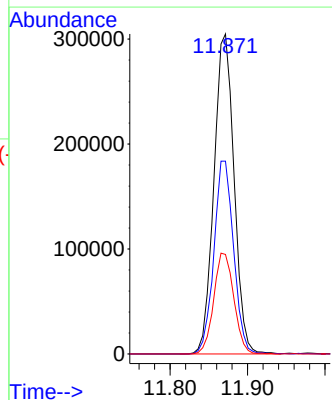
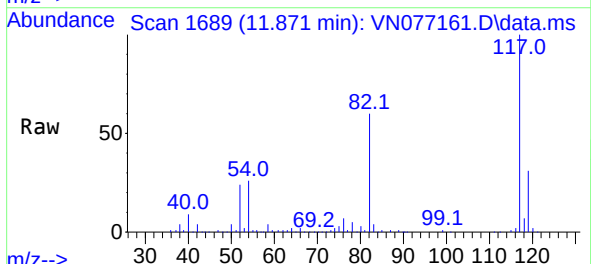


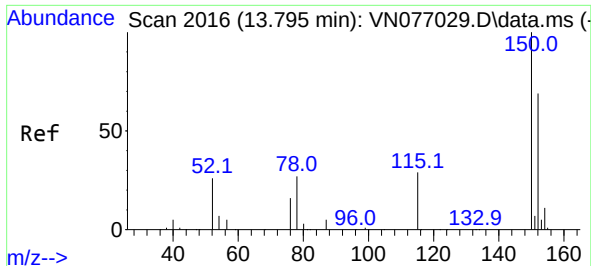
Tgt Ion: 95 Resp: 231926
Ion Ratio Lower Upper
95 100
174 78.1 0.0 136.6
176 75.4 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

Tgt Ion: 117 Resp: 549628
Ion Ratio Lower Upper
117 100
82 60.3 49.4 74.0
119 31.1 26.5 39.7

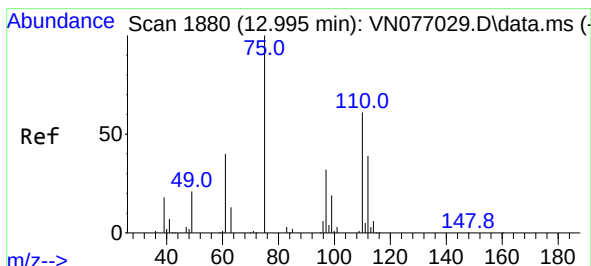
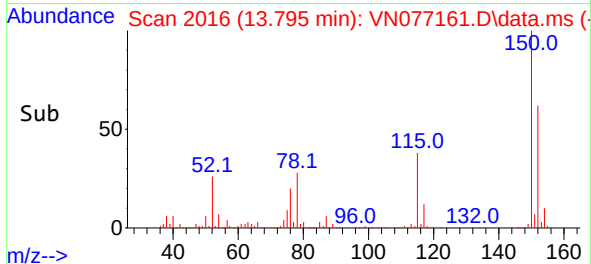
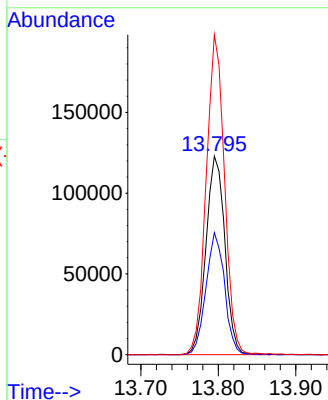
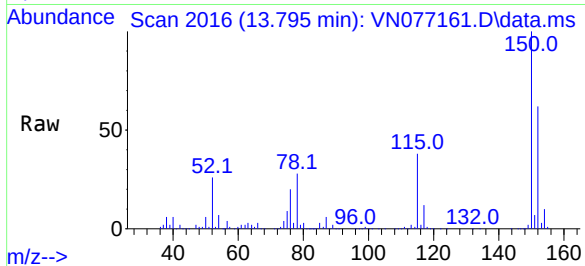




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

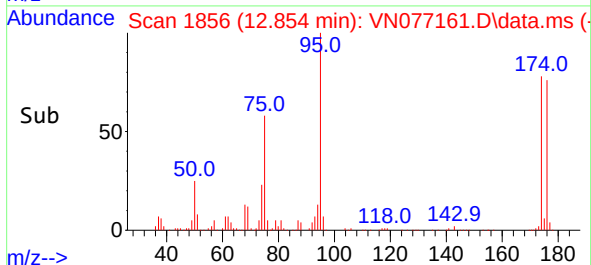
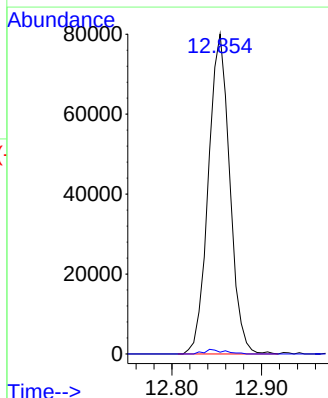
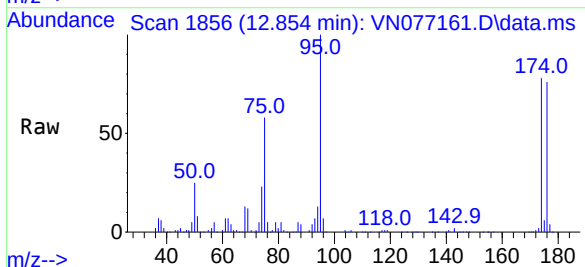
Instrument :
MSVOA_N
ClientSampleId :

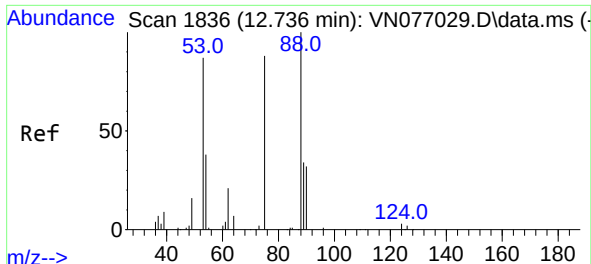
Tgt Ion:152 Resp: 208939
Ion Ratio Lower Upper
152 100
115 60.6 31.9 95.7
150 155.7 0.0 348.0



#76
1,2,3-Trichloropropane
Concen: 24.539 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

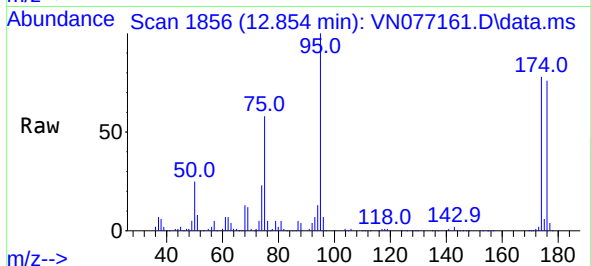
Tgt Ion: 75 Resp: 132620
Ion Ratio Lower Upper
75 100
77 1.4 107.3 322.0#



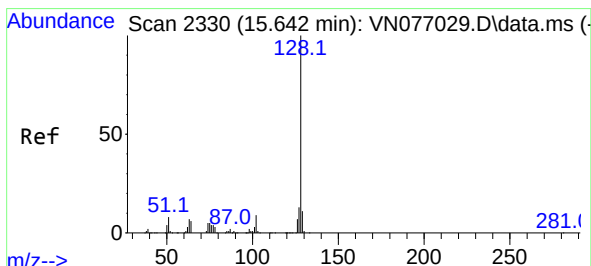
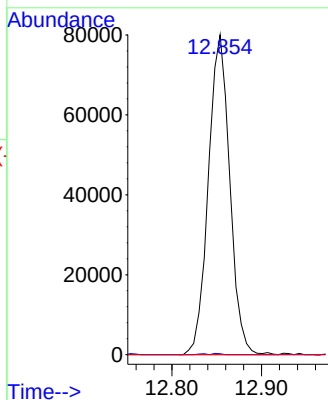
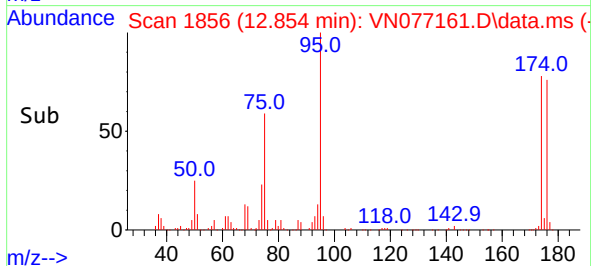


#81
trans-1,4-Dichloro-2-butene
Concen: 67.545 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56

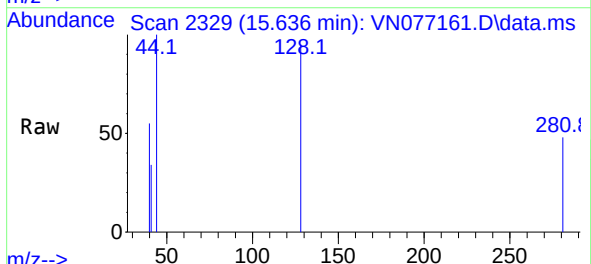
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 132620
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.946 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN077161.D
Acq: 23 Mar 2023 19:56



Tgt Ion:128 Resp: 496
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

