

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073806.D
 Acq On : 10 Aug 2022 18:39
 Operator : JC\MD
 Sample : PB146860ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#05

Quant Time: Aug 10 22:55:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

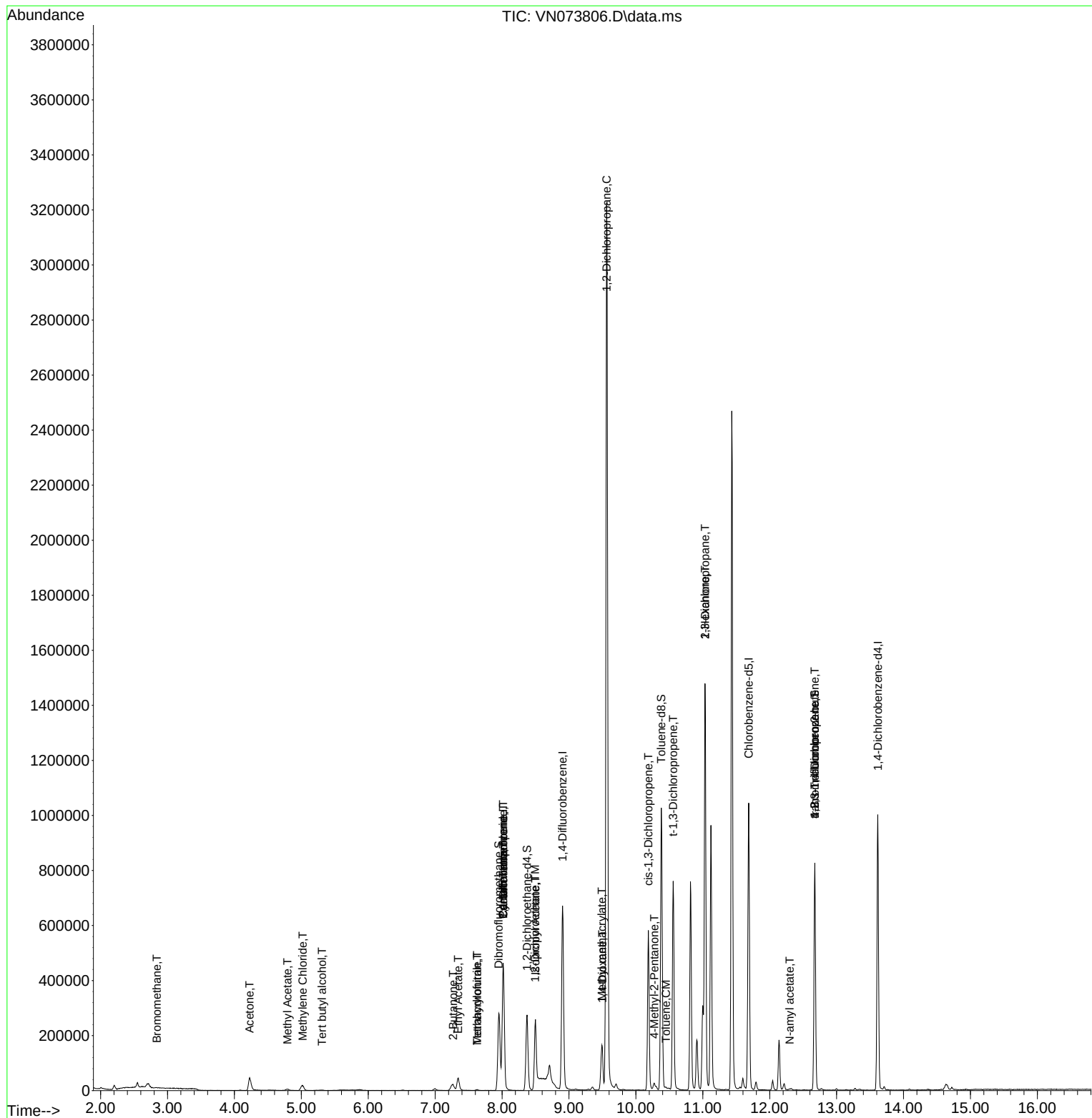
Internal Standards						
1) Pentafluorobenzene	8.016	168	373005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	617678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	612177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	280111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	223622	49.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.380%		
35) Dibromofluoromethane	7.951	113	211231	54.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.920%		
50) Toluene-d8	10.380	98	712248	46.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.340%		
62) 4-Bromofluorobenzene	12.674	95	262874	49.114	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.220%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	798	Below Cal		95
5) Bromomethane	2.840	94	1236	0.337 ug/l #		72
6) Chloroethane	2.981	64	221	Below Cal #		42
11) Tert butyl alcohol	5.310	59	2841	2.898 ug/l #		72
16) Acetone	4.228	43	83210	34.081 ug/l		98
18) Methyl Acetate	4.793	43	10858	1.788 ug/l #		74
20) Methylene Chloride	5.022	84	15873	1.898 ug/l #		85
25) 2-Butanone	7.269	43	25809	6.807 ug/l		95
29) Tetrahydrofuran	7.628	42	2523	1.052 ug/l #		37
31) Cyclohexane	8.016	56	6789	1.003 ug/l #		1
36) 1,1-Dichloropropene	8.016	75	27264	4.932 ug/l #		49
37) Ethyl Acetate	7.345	43	70092	9.628 ug/l		99
38) Carbon Tetrachloride	8.016	117	34254	6.101 ug/l #		17
41) Methacrylonitrile	7.628	41	1447	0.439 ug/l #		39
42) 1,2-Dichloroethane	8.492	62	1704	0.282 ug/l #		74
43) Isopropyl Acetate	8.498	43	324277	32.978 ug/l #		87
45) 1,2-Dichloropropane	9.563	63	4174	0.930 ug/l #		44
48) Methyl methacrylate	9.492	41	10418	2.420 ug/l #		39
49) 1,4-Dioxane	9.498	88	72	0.593 ug/l #		1
51) 4-Methyl-2-Pentanone	10.275	43	24320	3.448 ug/l #		73
52) Toluene	10.451	92	2695	0.246 ug/l		94
53) t-1,3-Dichloropropene	10.557	75	2143	0.363 ug/l #		1
54) cis-1,3-Dichloropropene	10.186	75	103971	15.626 ug/l #		66
57) 1,3-Dichloropropane	11.033	76	15452	1.992 ug/l #		43
59) 2-Hexanone	11.033	43	200895	37.597 ug/l #		50
74) N-amyl acetate	12.298	43	2910	0.376 ug/l #		41
76) 1,2,3-Trichloropropane	12.674	75	134001	24.468 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	134001	61.995 ug/l #		11

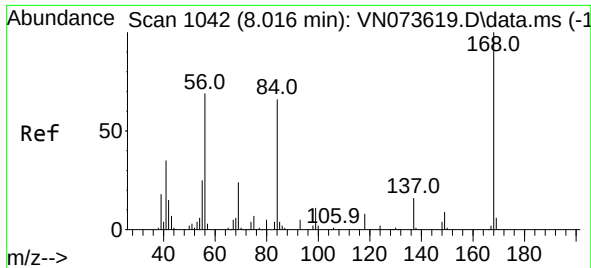
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
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Sample : PB146860ZHE#05
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 10 22:55:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration

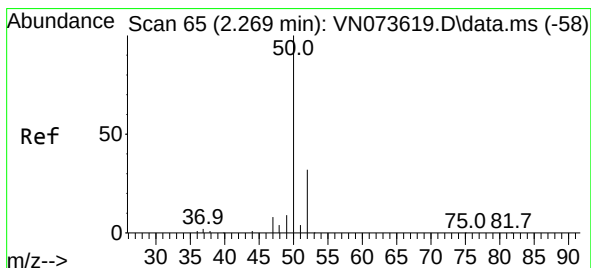
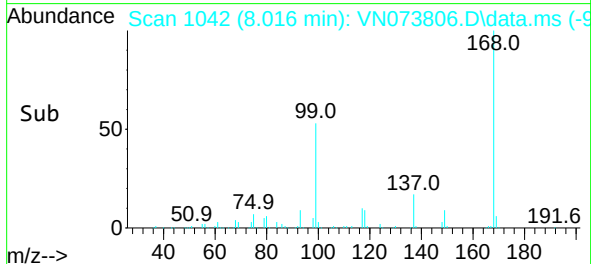
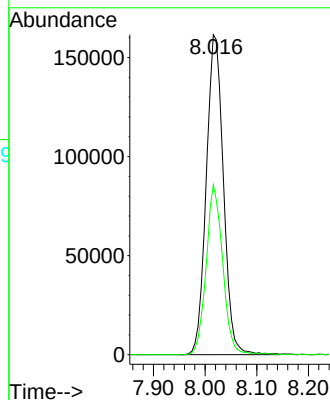
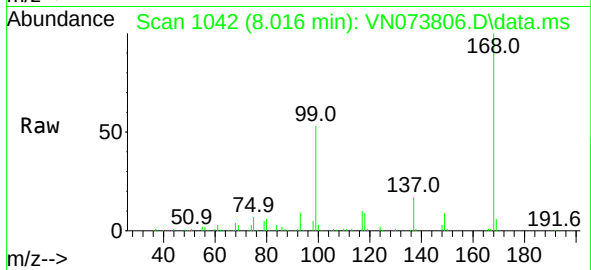




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

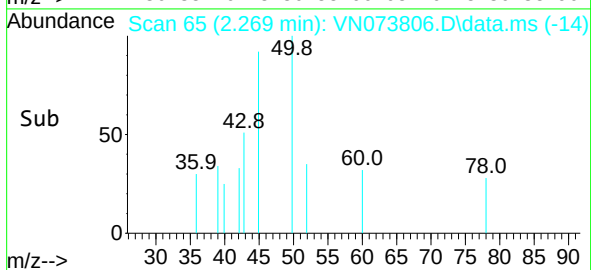
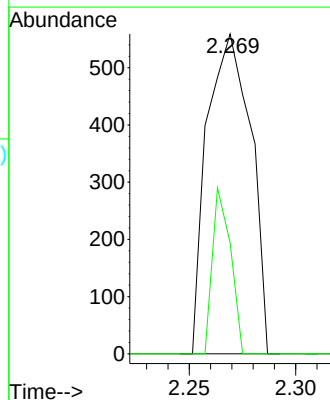
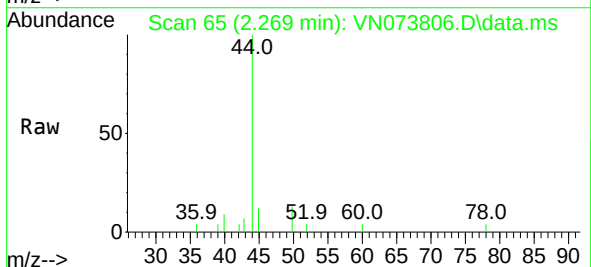
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

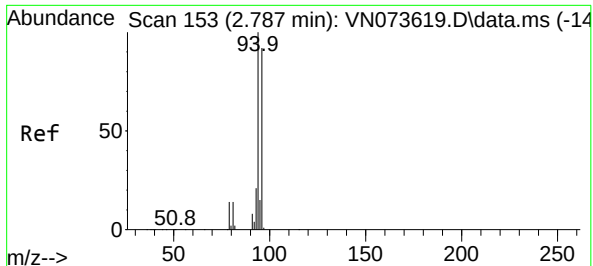
Tgt Ion:168 Resp: 373005
Ion Ratio Lower Upper
168 100
99 53.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 50 Resp: 798
Ion Ratio Lower Upper
50 100
52 34.7 25.7 38.5

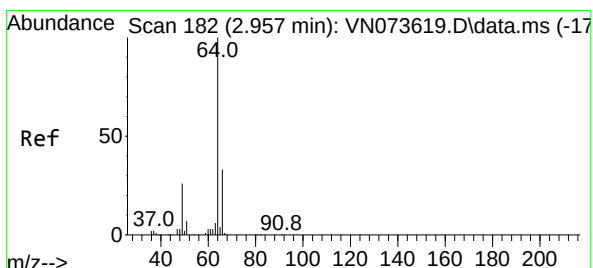
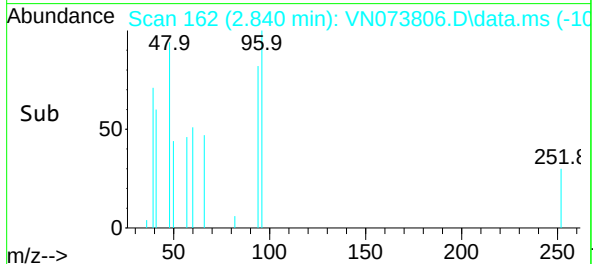
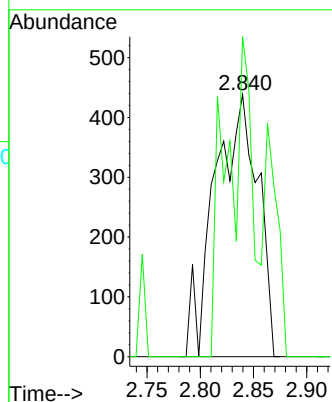
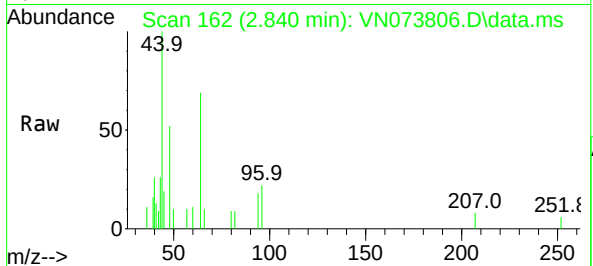




#5
Bromomethane
Concen: 0.337 ug/l
RT: 2.840 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

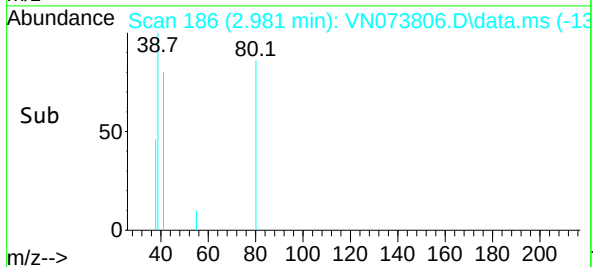
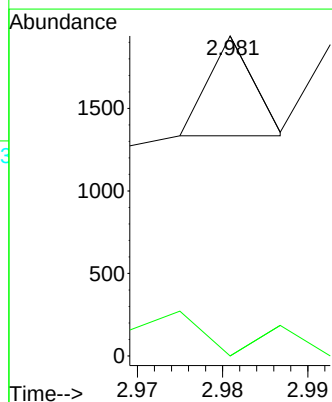
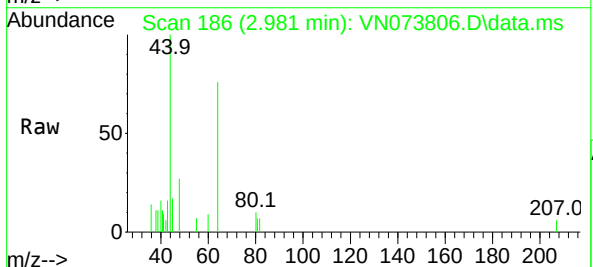
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

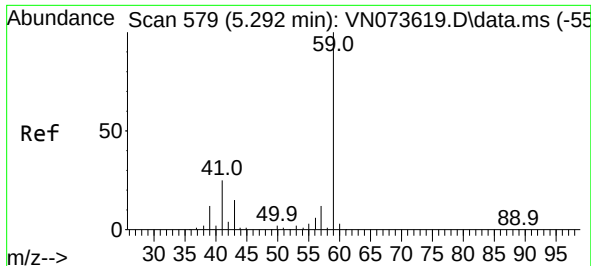
Tgt Ion: 94 Resp: 1236
Ion Ratio Lower Upper
94 100
96 122.1 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 186
Delta R.T. 0.024 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 64 Resp: 221
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

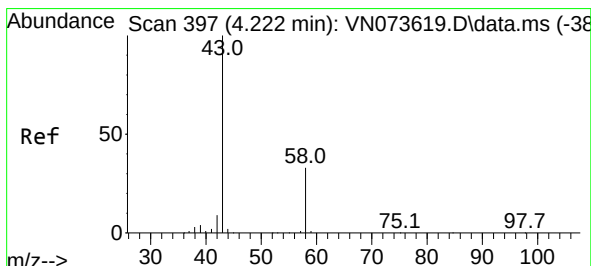
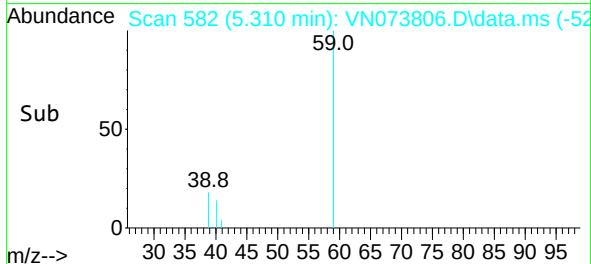
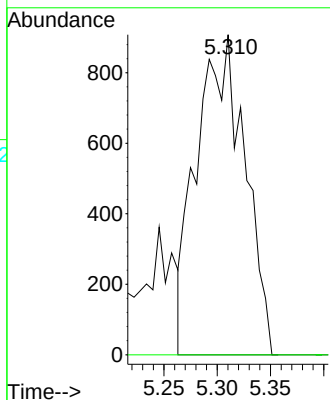
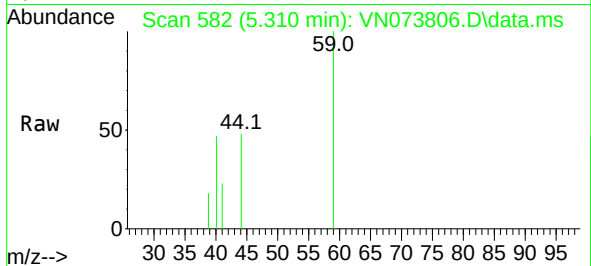




#11
Tert butyl alcohol
Concen: 2.898 ug/l
RT: 5.310 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

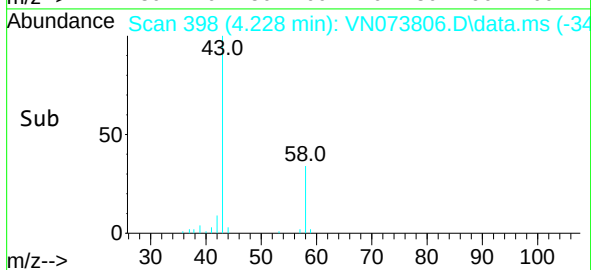
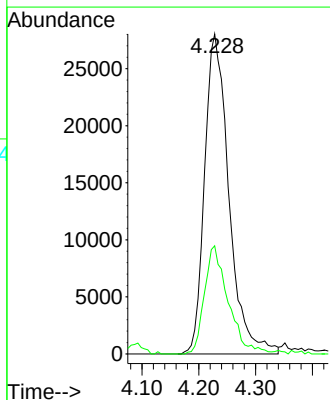
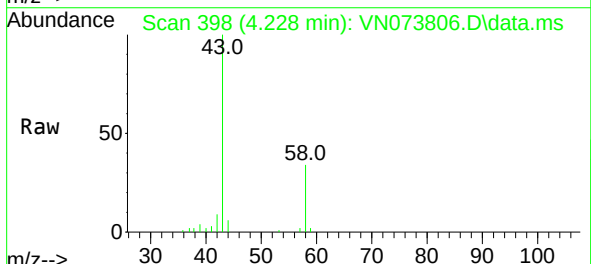
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

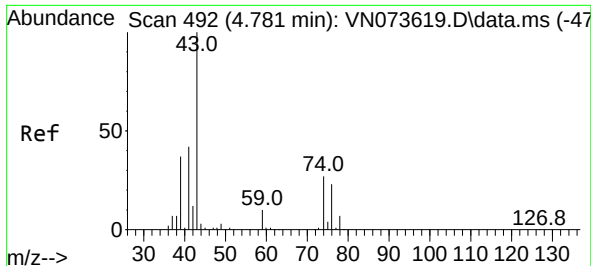
Tgt Ion: 59 Resp: 2841
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 34.081 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 43 Resp: 83210
Ion Ratio Lower Upper
43 100
58 33.8 26.0 39.0

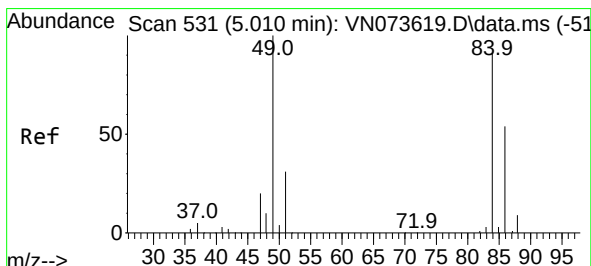
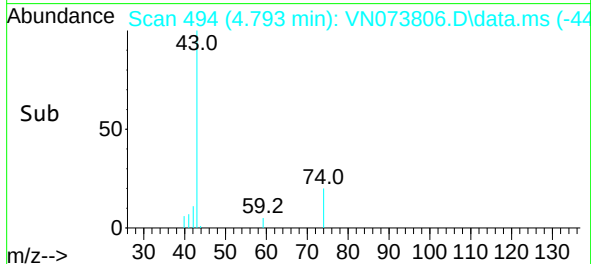
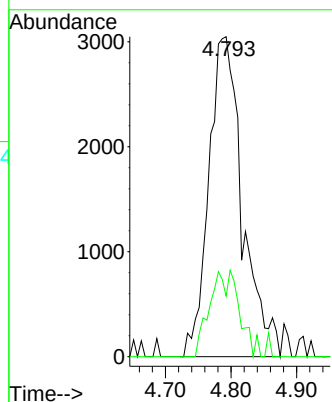
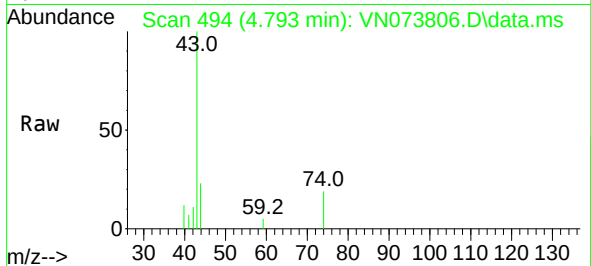




#18
Methyl Acetate
Concen: 1.788 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

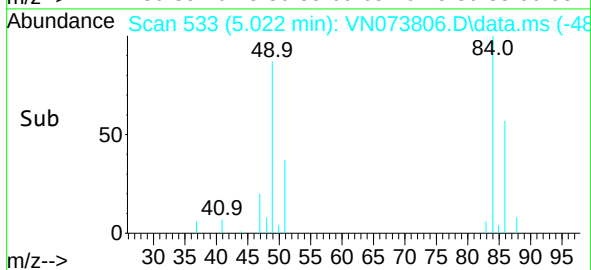
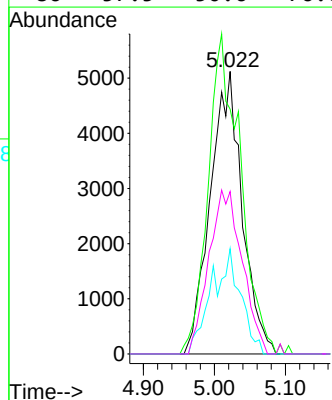
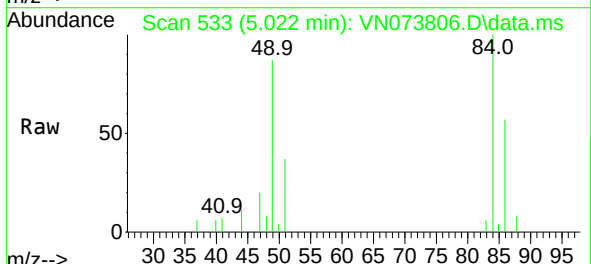
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

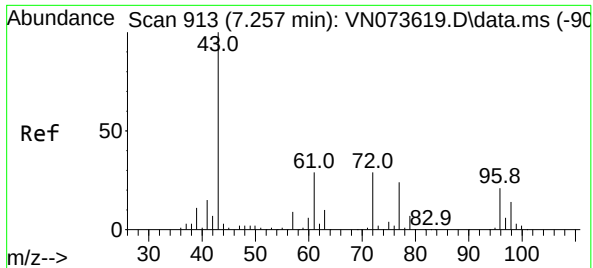
Tgt Ion: 43 Resp: 10858
Ion Ratio Lower Upper
43 100
74 13.7 21.6 32.4#



#20
Methylene Chloride
Concen: 1.898 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 84 Resp: 15873
Ion Ratio Lower Upper
84 100
49 86.6 88.3 132.5#
51 37.3 28.2 42.2
86 57.5 50.6 76.0

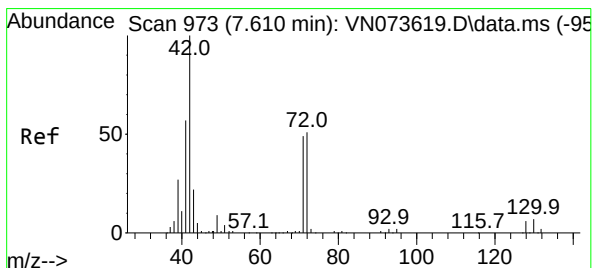
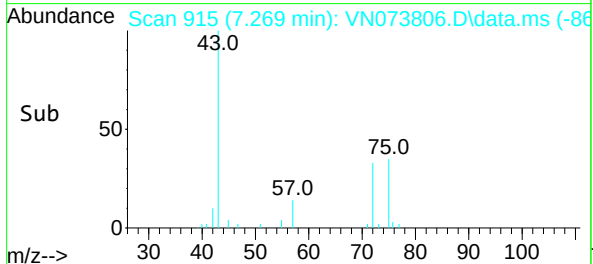
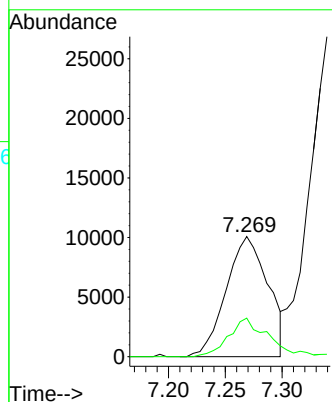
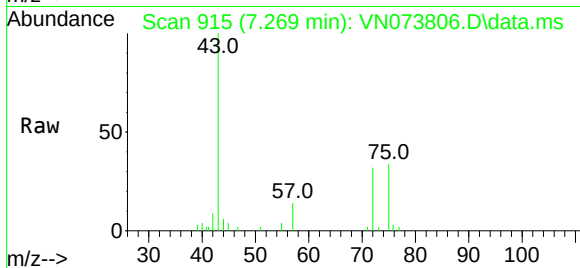




#25
2-Butanone
Concen: 6.807 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

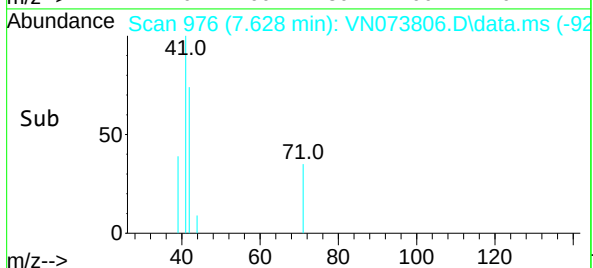
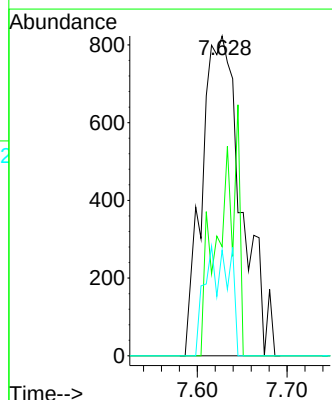
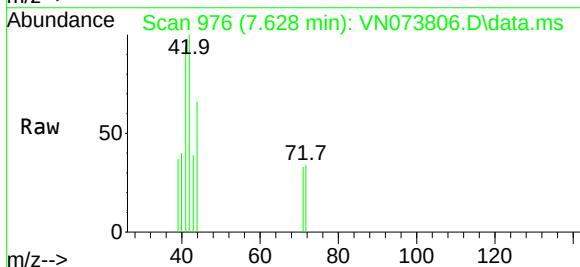
Instrument :
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ClientSampleId :
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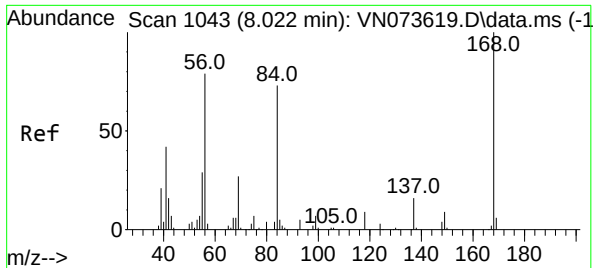
Tgt Ion: 43 Resp: 25809
Ion Ratio Lower Upper
43 100
72 32.1 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.052 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

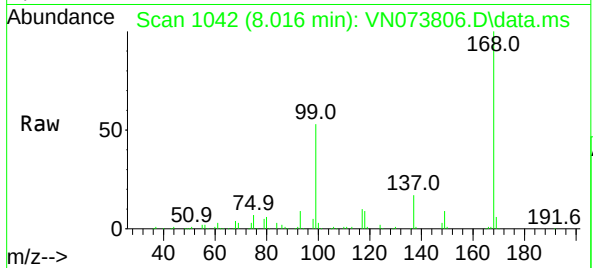
Tgt Ion: 42 Resp: 2523
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 11.2 36.6 55.0#



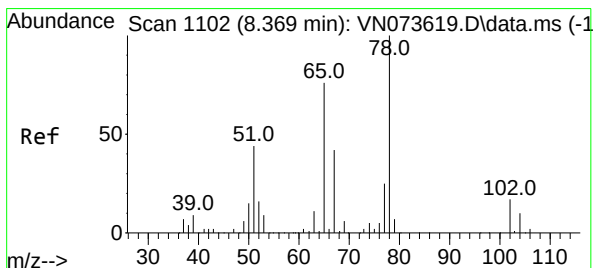
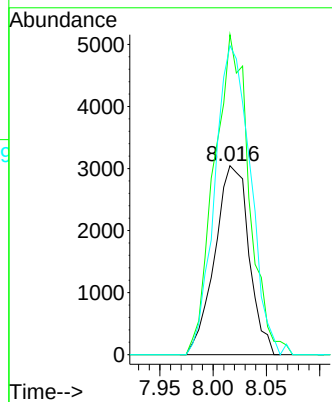
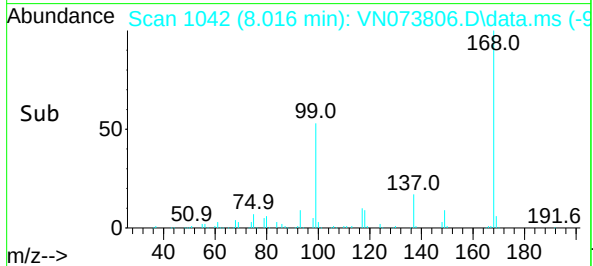


#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

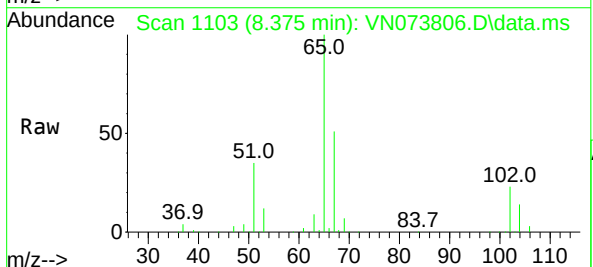
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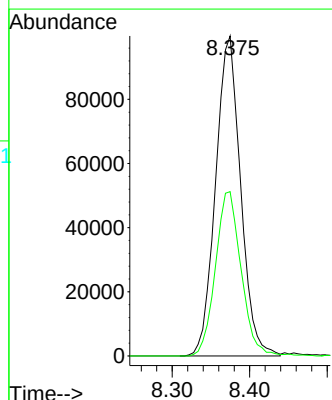
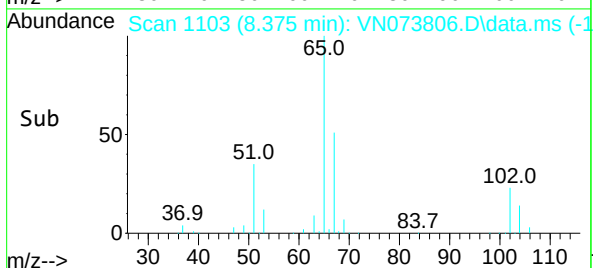
Tgt Ion: 56 Resp: 6789
Ion Ratio Lower Upper
56 100
69 169.4 27.8 41.8#
84 163.6 76.9 115.3#

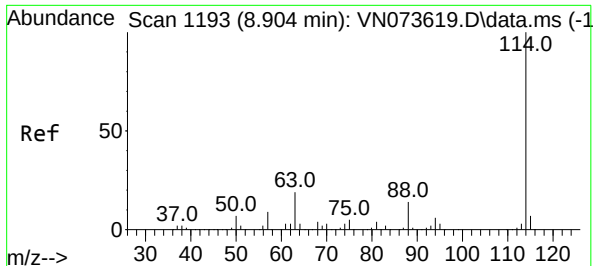


#33
1,2-Dichloroethane-d4
Concen: 49.195 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39



Tgt Ion: 65 Resp: 223622
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#05

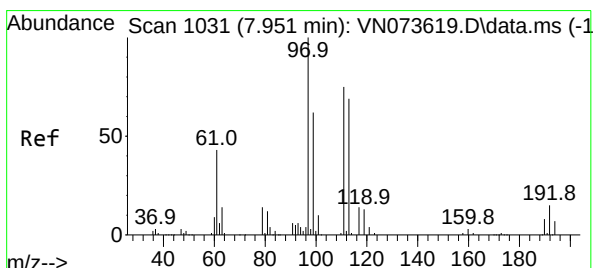
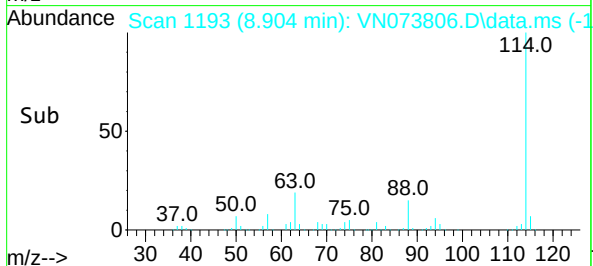
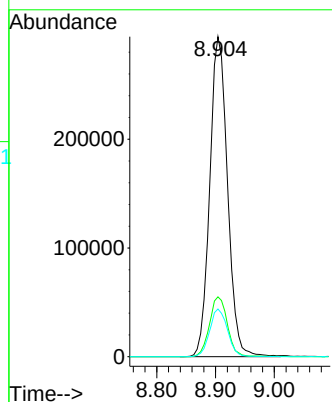
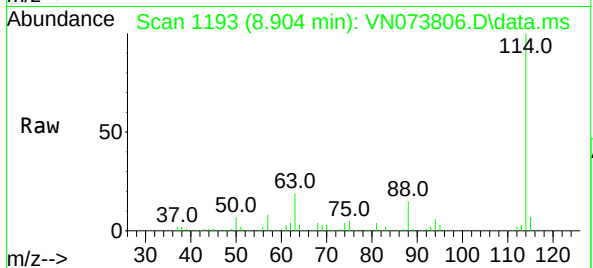
Tgt Ion:114 Resp: 617678

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.460 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

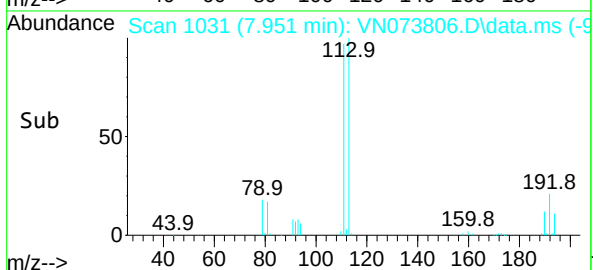
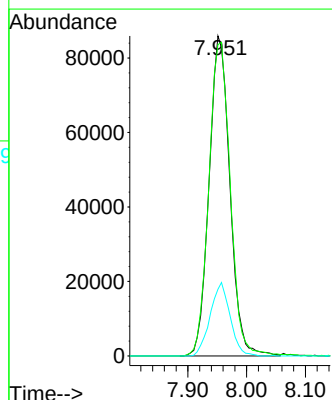
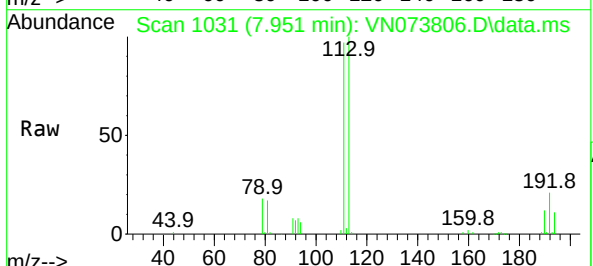
Tgt Ion:113 Resp: 211231

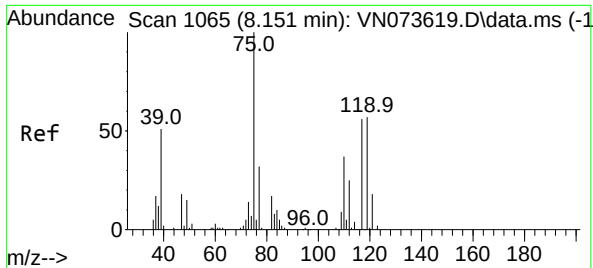
Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

192 22.0 17.0 25.6

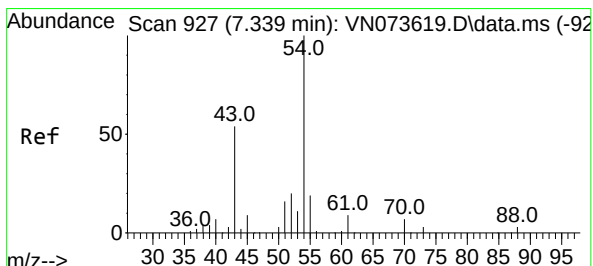
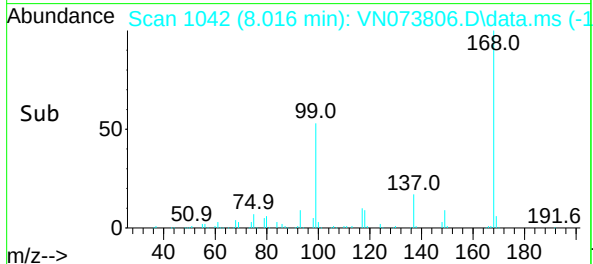
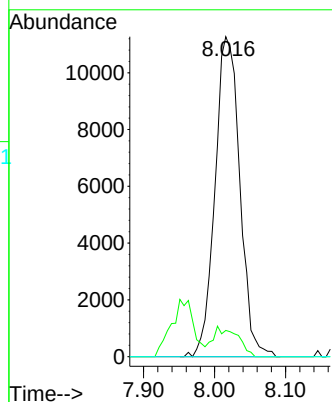
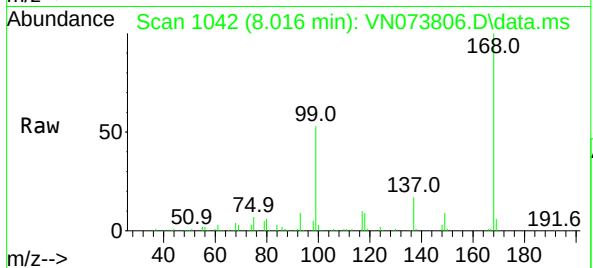




#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

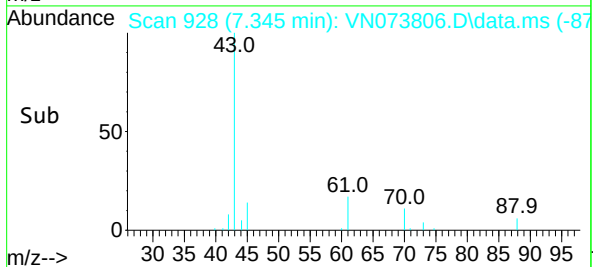
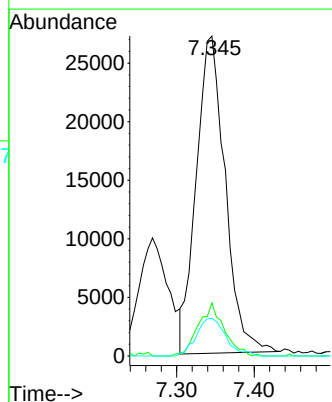
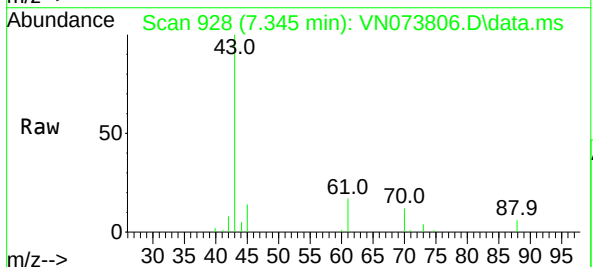
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

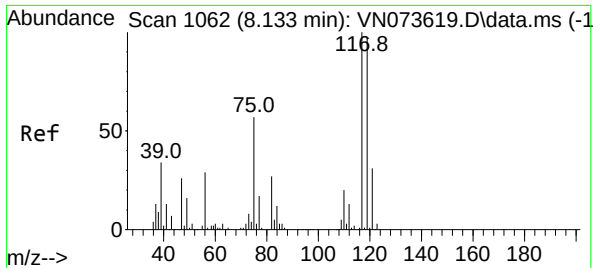
Tgt Ion: 75 Resp: 27264
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.628 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.006 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

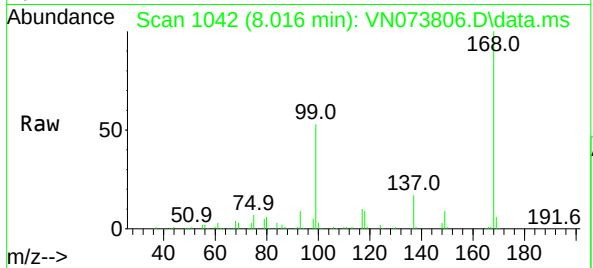
Tgt Ion: 43 Resp: 70092
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 12.0 9.3 13.9



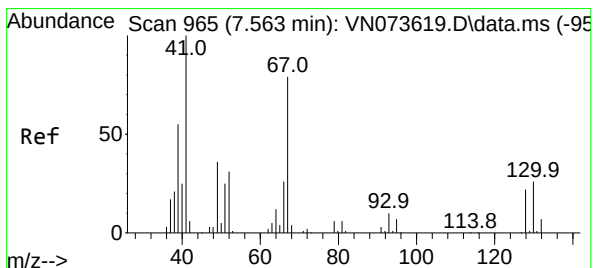
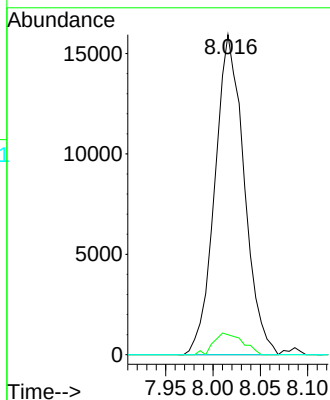
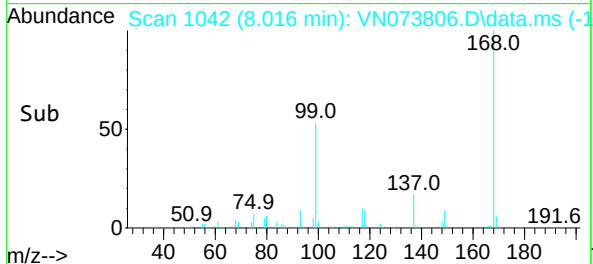


#38
Carbon Tetrachloride
Concen: 6.101 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

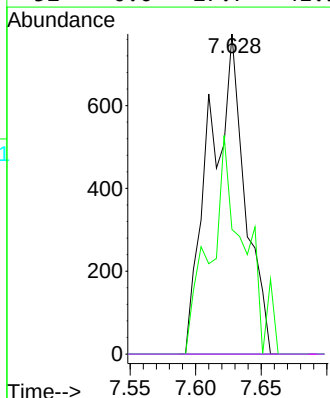
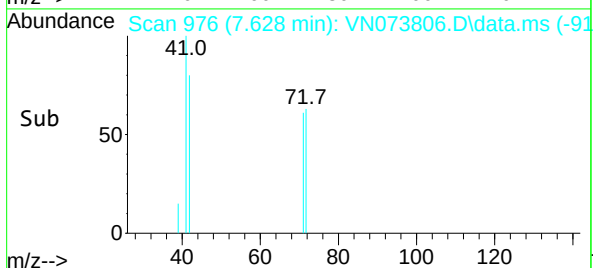
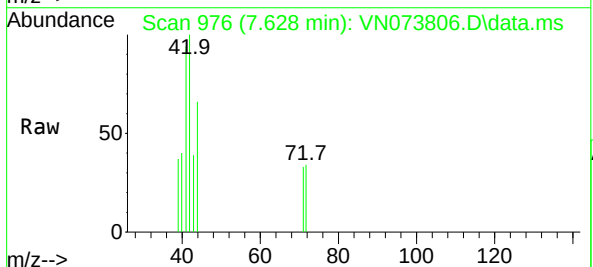


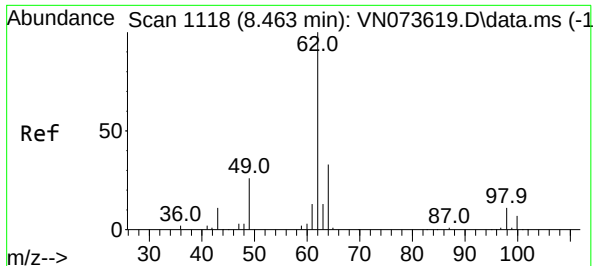
Tgt Ion:117 Resp: 34254
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.439 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 41 Resp: 1447
Ion Ratio Lower Upper
41 100
39 65.9 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.282 ug/l

RT: 8.492 min Scan# 1118

Delta R.T. 0.029 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

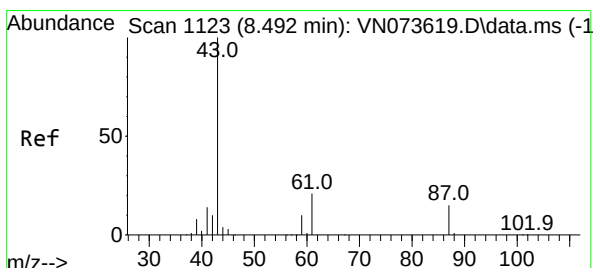
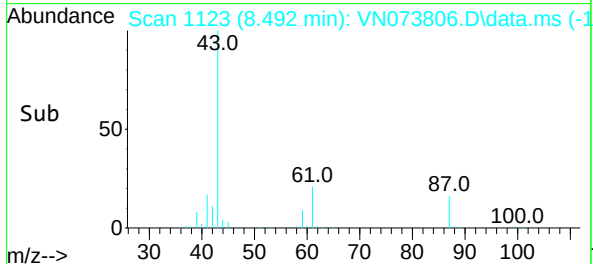
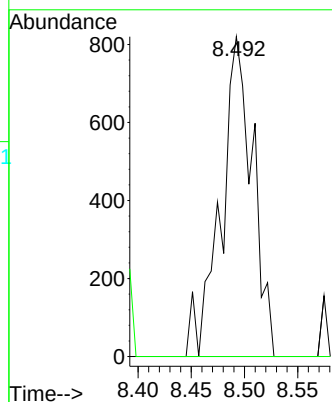
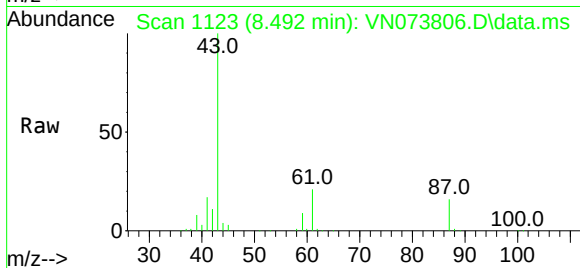
PB146860ZHE#05

Tgt Ion: 62 Resp: 1704

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 32.978 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

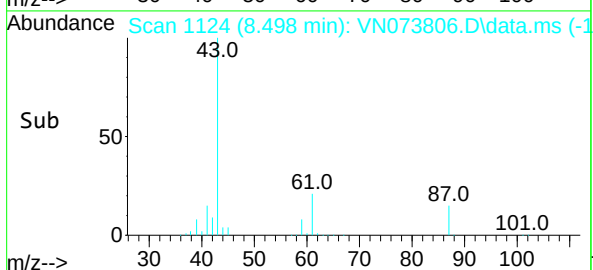
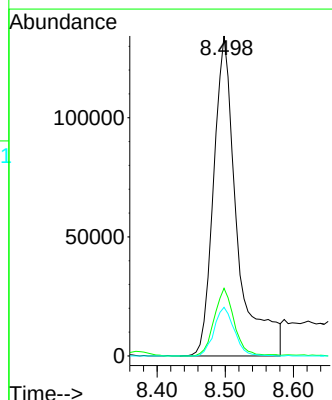
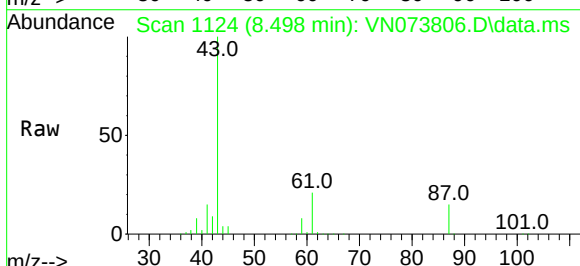
Tgt Ion: 43 Resp: 324277

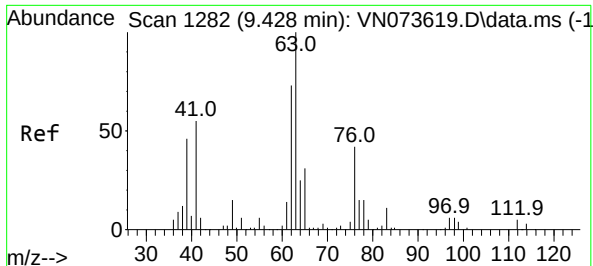
Ion Ratio Lower Upper

43 100

61 18.0 21.9 32.9#

87 12.9 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.930 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

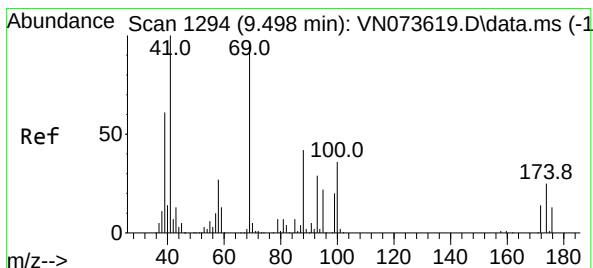
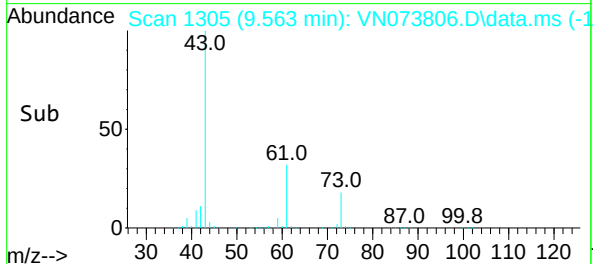
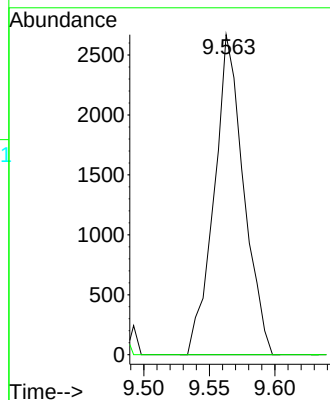
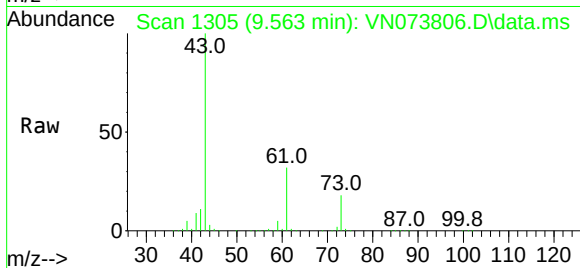
PB146860ZHE#05

Tgt Ion: 63 Resp: 4174

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.420 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

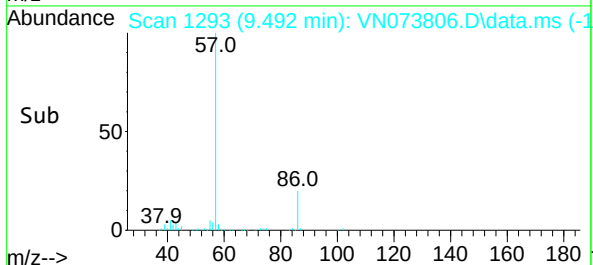
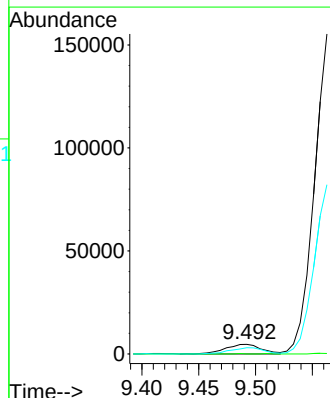
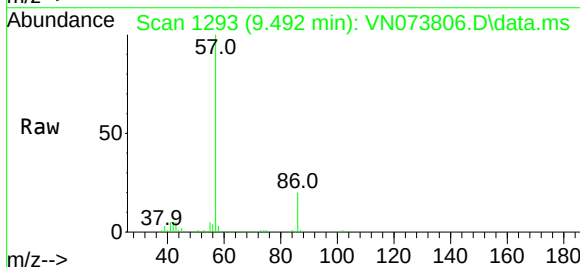
Tgt Ion: 41 Resp: 10418

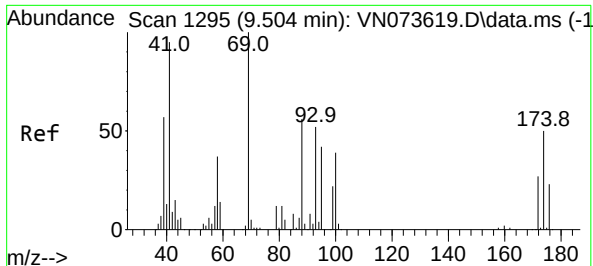
Ion Ratio Lower Upper

41 100

69 0.8 74.7 112.1#

39 59.9 45.6 68.4





#49

1,4-Dioxane

Concen: 0.593 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.006 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#05

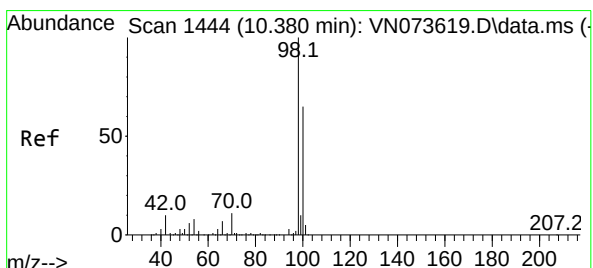
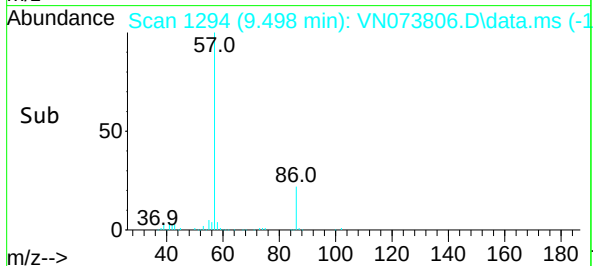
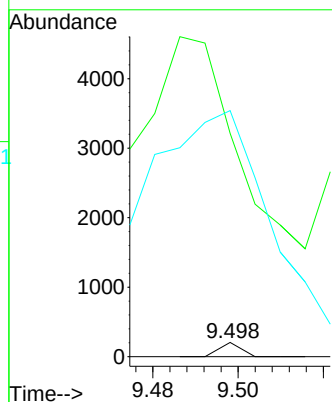
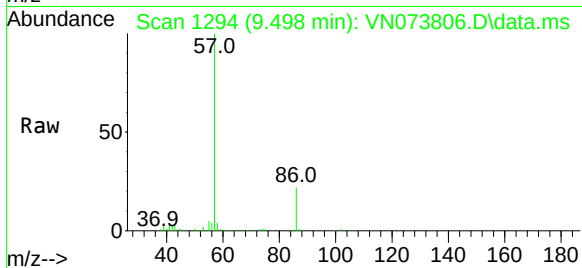
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 11706.9 54.2 81.4#



#50

Toluene-d8

Concen: 46.665 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073806.D

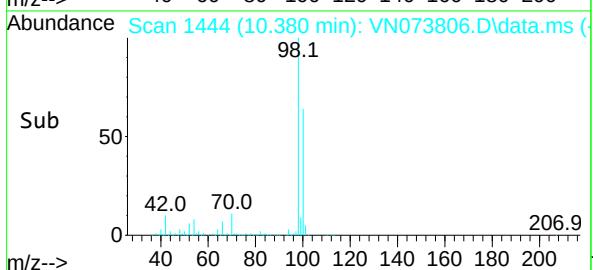
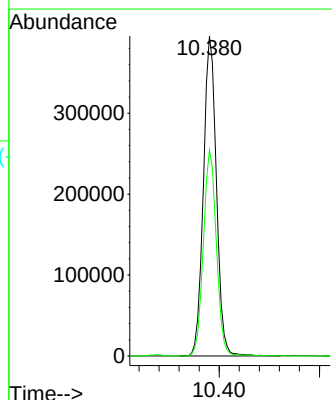
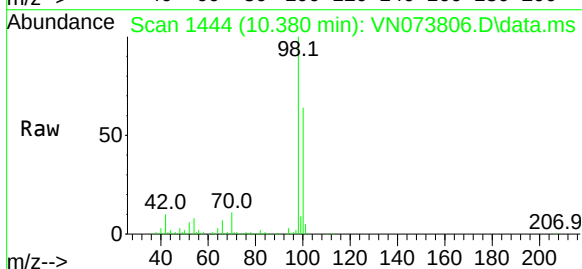
Acq: 10 Aug 2022 18:39

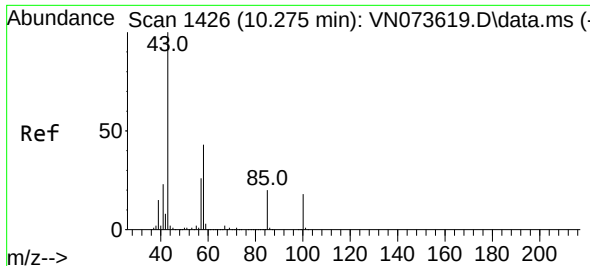
Tgt Ion: 98 Resp: 712248

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8

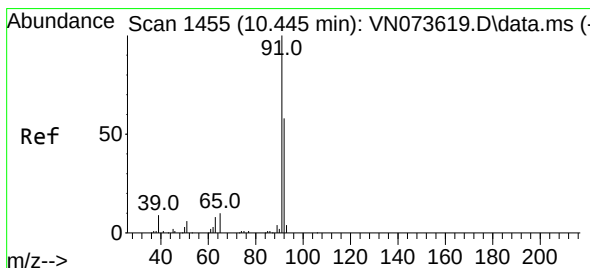
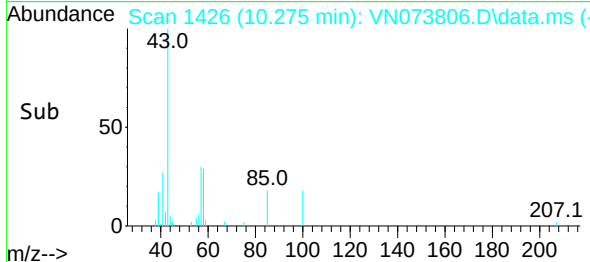
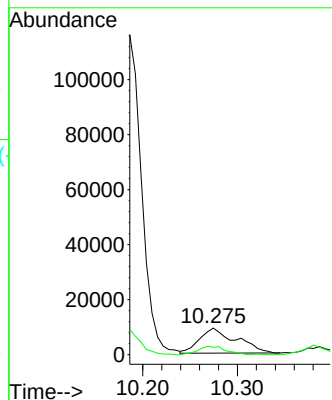
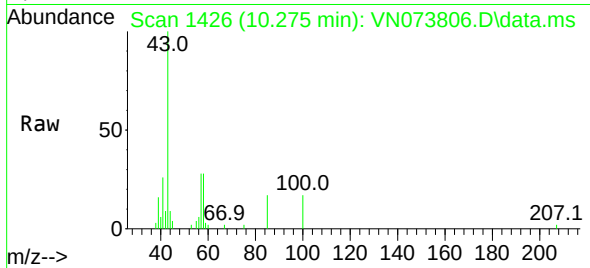




#51
4-Methyl-2-Pentanone
Concen: 3.448 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

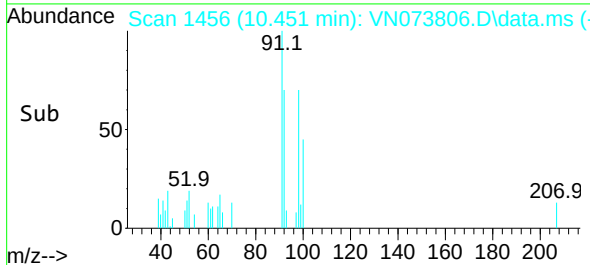
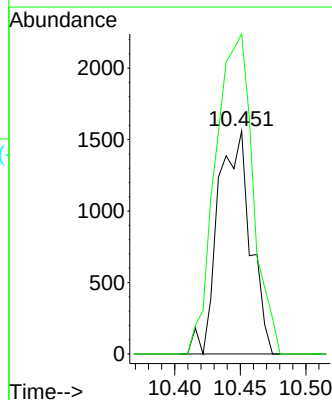
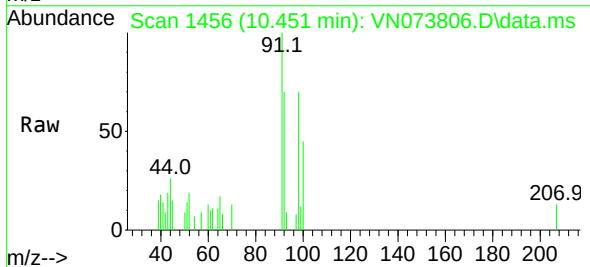
Instrument : MSVOA_N
ClientSampleId : PB146860ZHE#05

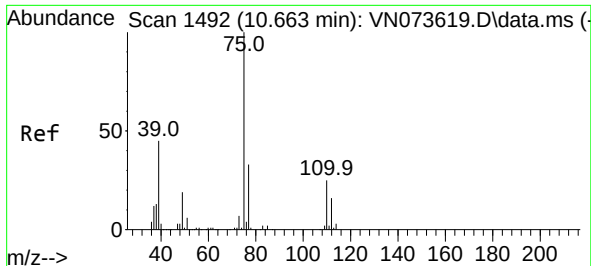
Tgt Ion: 43 Resp: 24320
Ion Ratio Lower Upper
43 100
58 25.3 34.1 51.1#



#52
Toluene
Concen: 0.246 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 92 Resp: 2695
Ion Ratio Lower Upper
92 100
91 165.2 138.6 207.8

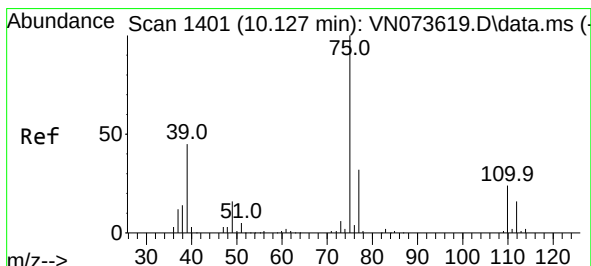
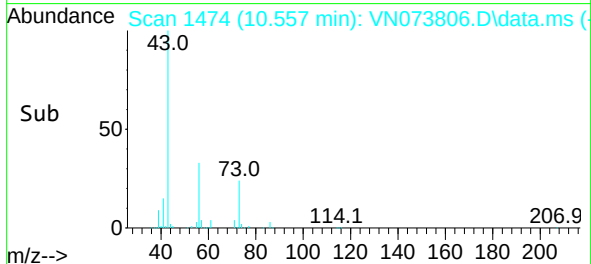
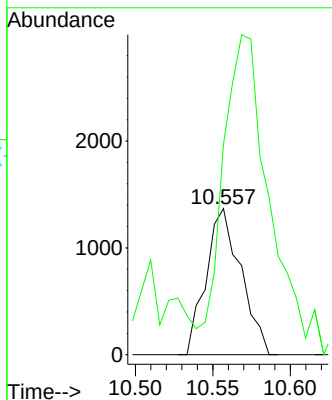
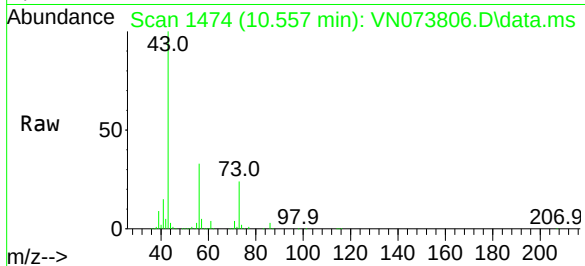




#53
t-1,3-Dichloropropene
Concen: 0.363 ug/l
RT: 10.557 min Scan# 1411
Delta R.T. -0.106 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

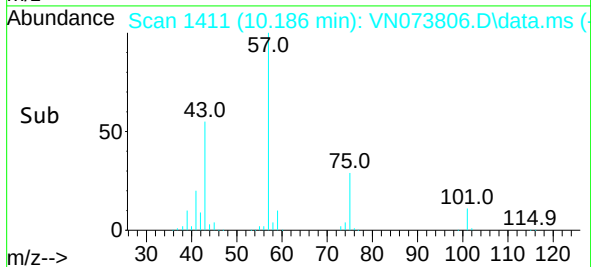
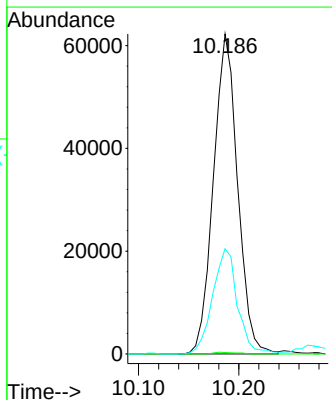
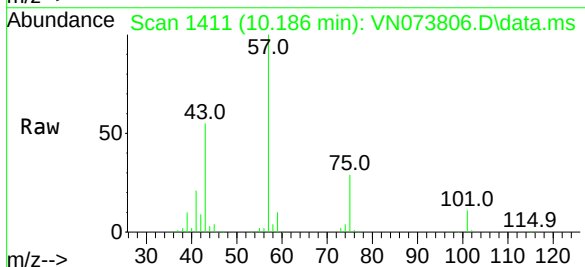
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

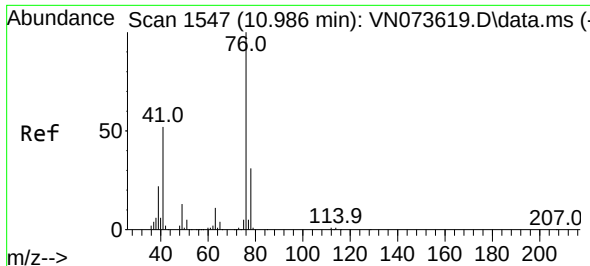
Tgt Ion: 75 Resp: 2143
Ion Ratio Lower Upper
75 100
77 105.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 15.626 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 75 Resp: 103971
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 32.9 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.992 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073806.D

Acq: 10 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

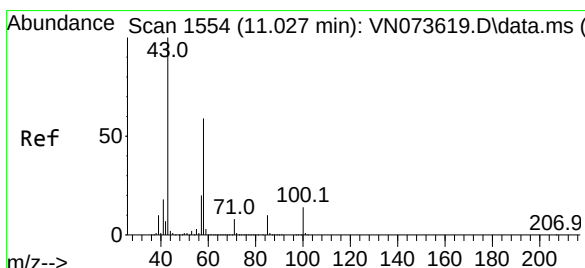
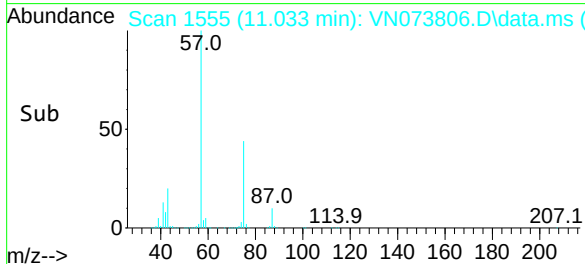
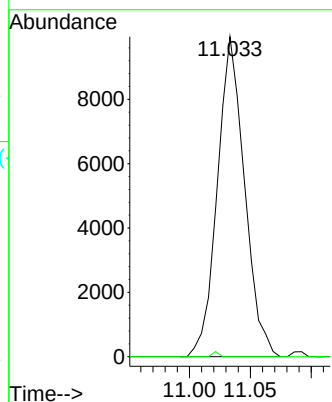
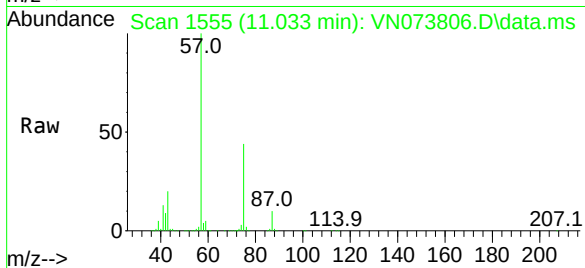
PB146860ZHE#05

Tgt Ion: 76 Resp: 15452

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 37.597 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073806.D

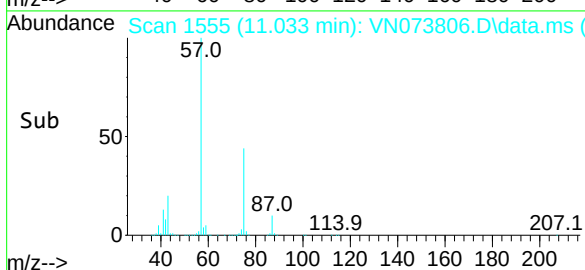
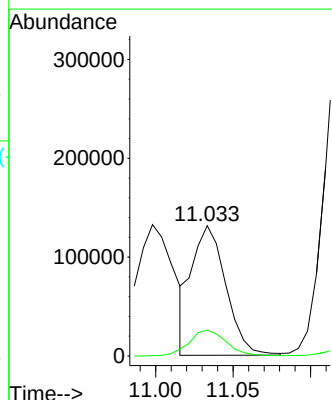
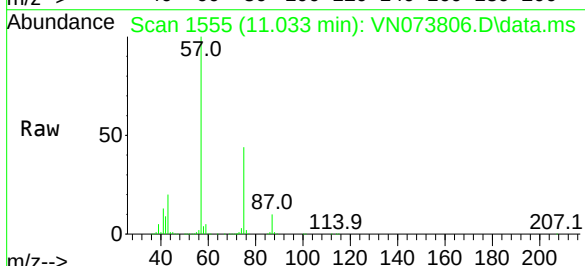
Acq: 10 Aug 2022 18:39

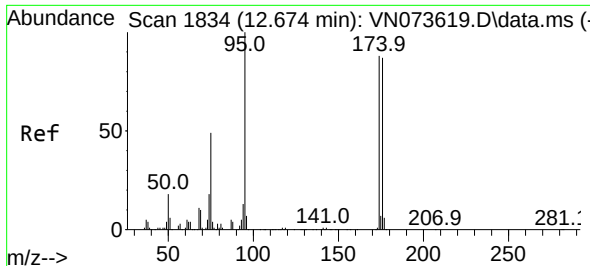
Tgt Ion: 43 Resp: 200895

Ion Ratio Lower Upper

43 100

58 21.8 29.7 89.1#

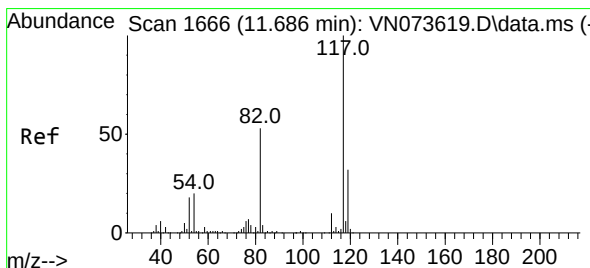
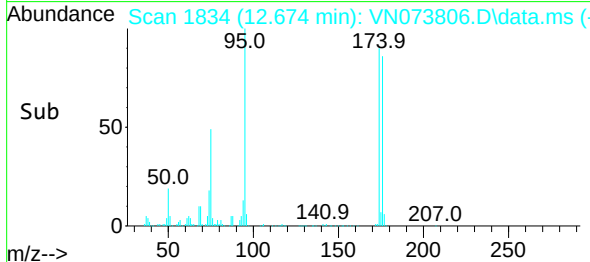
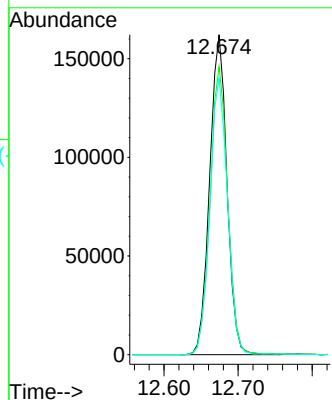
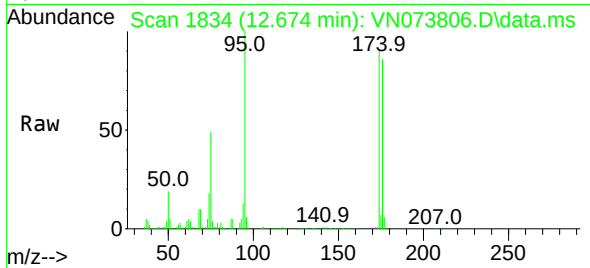




#62
4-Bromofluorobenzene
Concen: 49.114 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

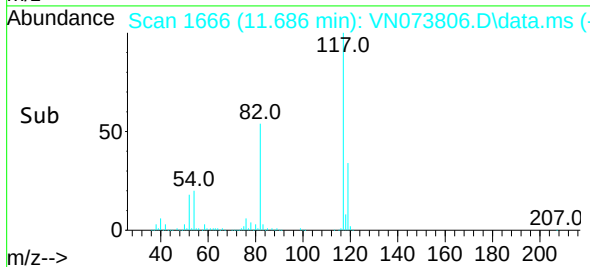
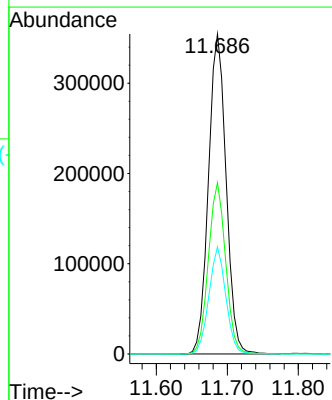
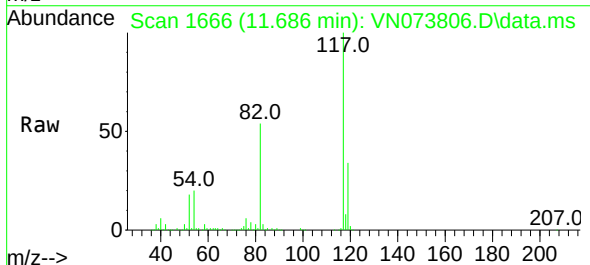
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

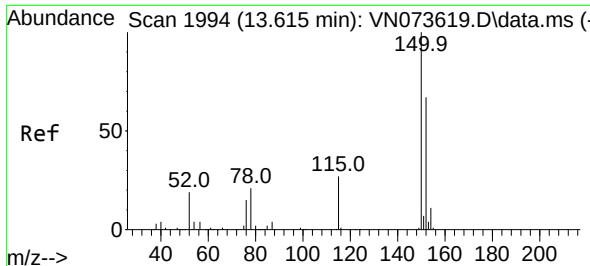
Tgt Ion: 95 Resp: 262874
Ion Ratio Lower Upper
95 100
174 92.1 0.0 167.6
176 87.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 117 Resp: 612177
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 33.5 25.4 38.0

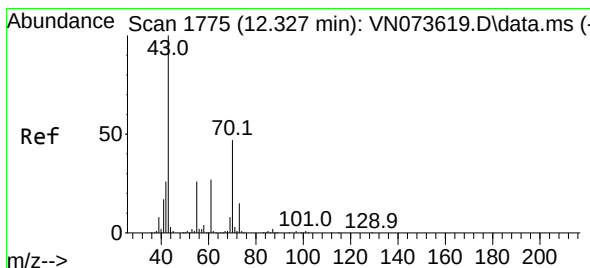
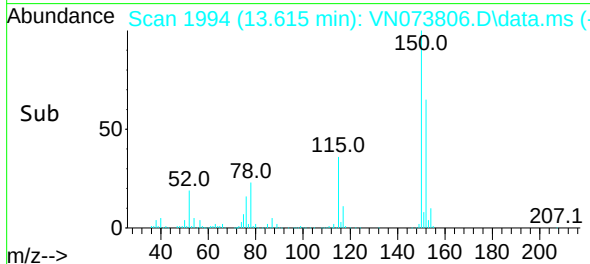
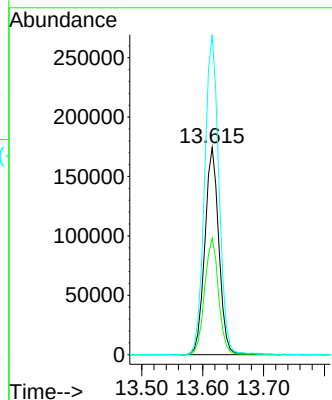
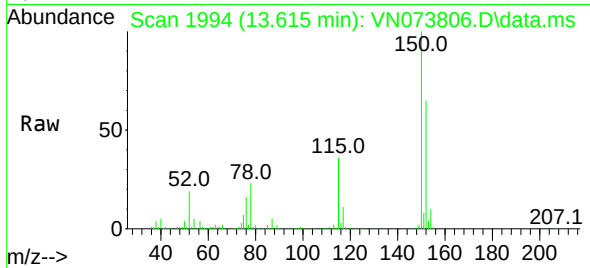




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

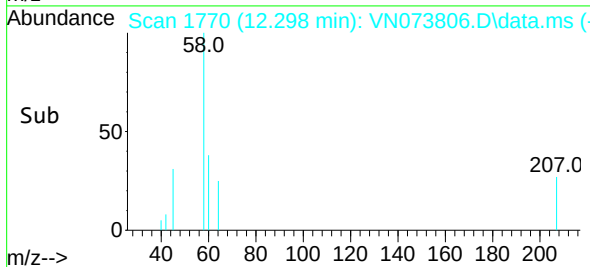
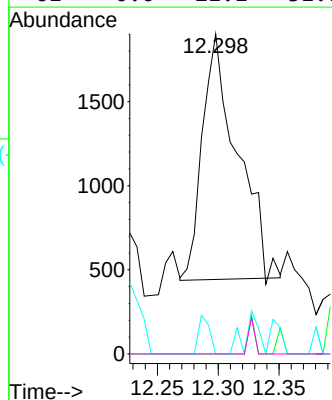
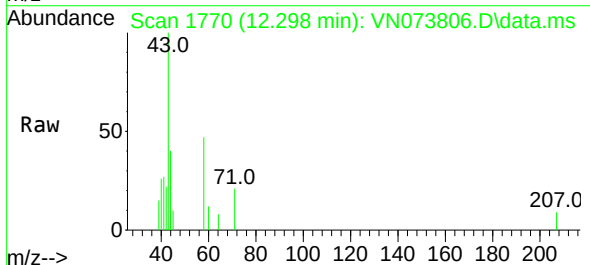
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

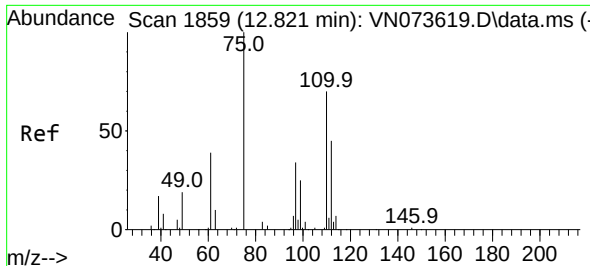
Tgt Ion:152 Resp: 280111
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.7
150 157.3 0.0 356.2



#74
N-ethyl acetate
Concen: 0.376 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 4.9 21.1 31.7#
61 0.0 21.1 31.7#

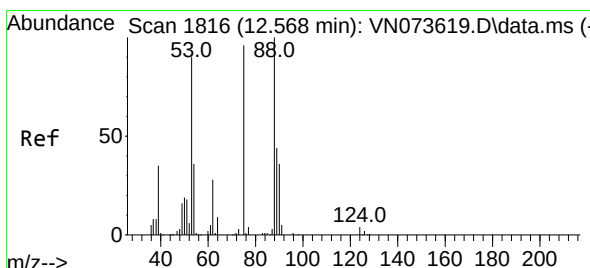
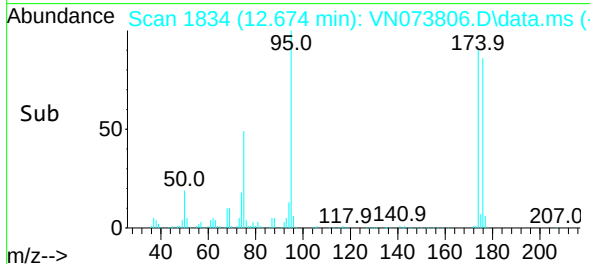
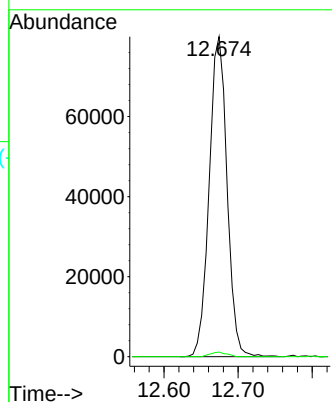
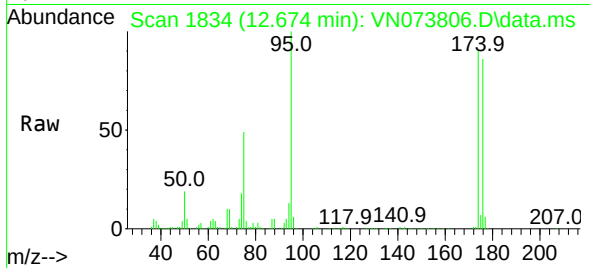




#76
1,2,3-Trichloropropane
Concen: 24.468 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#05

Tgt Ion: 75 Resp: 134001
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.995 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073806.D
Acq: 10 Aug 2022 18:39

Tgt Ion: 75 Resp: 134001
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

