

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072922\
 Data File : VN073646.D
 Acq On : 29 Jul 2022 19:51
 Operator : JC\MD
 Sample : N3858-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-B

Quant Time: Aug 01 04:09:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

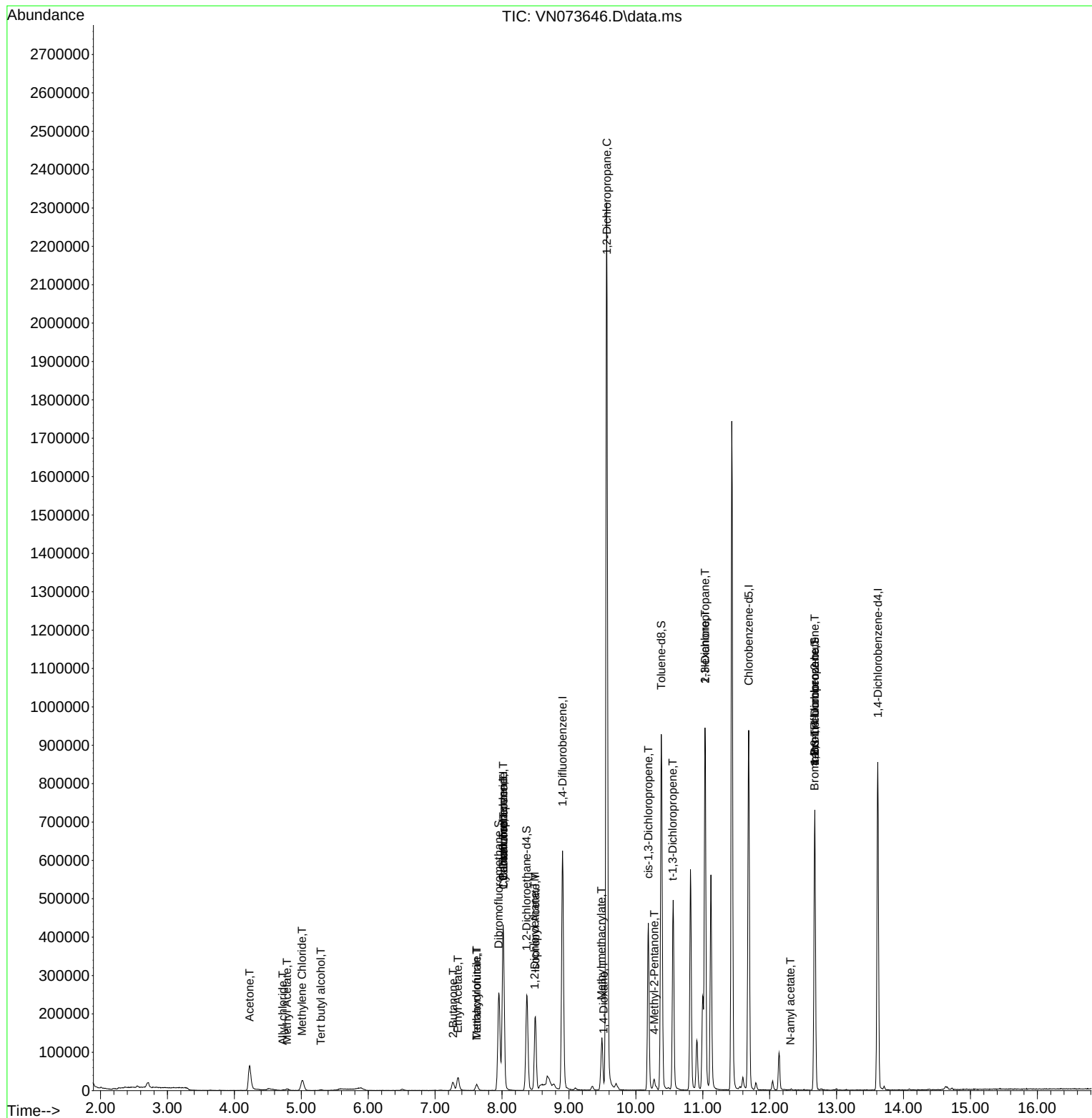
Internal Standards						
1) Pentafluorobenzene	8.016	168	340166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	567387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	553162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	239800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	204748	49.391	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.780%		
35) Dibromofluoromethane	7.951	113	188618	52.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.880%		
50) Toluene-d8	10.381	98	659459	47.036	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.080%		
62) 4-Bromofluorobenzene	12.674	95	232709	49.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.460%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	675	Below Cal	#	55
6) Chloroethane	2.957	64	122	Below Cal	#	42
11) Tert butyl alcohol	5.293	59	3240	3.624	ug/l #	78
14) Allyl chloride	4.722	41	2398	0.465	ug/l #	32
16) Acetone	4.228	43	116792	52.454	ug/l	91
18) Methyl Acetate	4.787	43	8166	1.474	ug/l	93
20) Methylene Chloride	5.010	84	23376	4.483	ug/l	96
25) 2-Butanone	7.269	43	35002	10.123	ug/l	94
29) Tetrahydrofuran	7.622	42	12019	5.498	ug/l	97
31) Cyclohexane	8.022	56	6891	1.117	ug/l #	6
36) 1,1-Dichloropropene	8.022	75	24596	4.844	ug/l #	49
37) Ethyl Acetate	7.340	43	55219	8.257	ug/l	99
38) Carbon Tetrachloride	8.016	117	31151	6.040	ug/l #	18
41) Methacrylonitrile	7.622	41	7218	2.385	ug/l #	39
42) 1,2-Dichloroethane	8.487	62	1390	0.250	ug/l #	74
43) Isopropyl Acetate	8.498	43	212983	23.579	ug/l #	92
45) 1,2-Dichloropropane	9.569	63	2930	0.711	ug/l #	44
48) Methyl methacrylate	9.486	41	7663	1.938	ug/l #	37
49) 1,4-Dioxane	9.516	88	496	4.450	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	25813	3.984	ug/l #	79
53) t-1,3-Dichloropropene	10.551	75	1442	0.266	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	80376	13.150	ug/l #	66
57) 1,3-Dichloropropane	11.033	76	10633	1.492	ug/l #	42
59) 2-Hexanone	11.033	43	111459	22.708	ug/l #	55
71) Bromoform	12.669	173	1396	0.401	ug/l #	28
74) N-amyl acetate	12.310	43	1507	0.227	ug/l #	39
76) 1,2,3-Trichloropropane	12.674	75	121753	26.180	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	121753	65.798	ug/l #	11

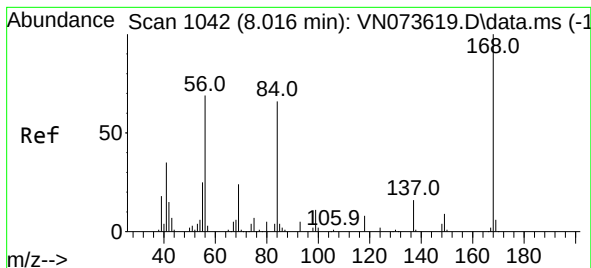
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
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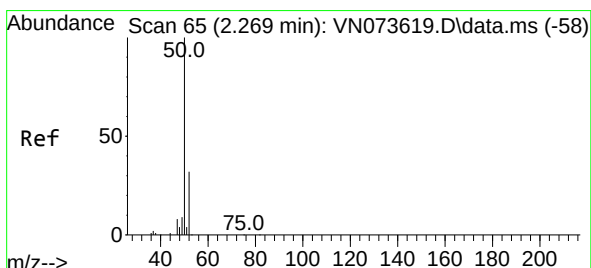
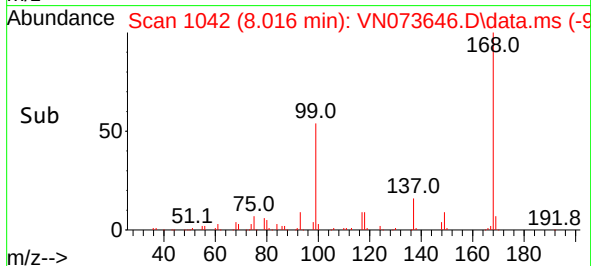
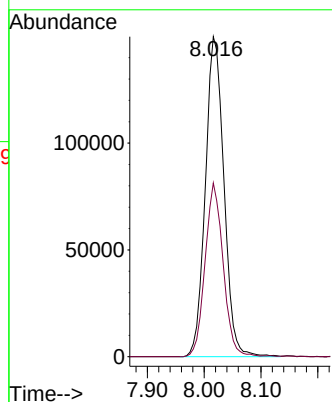
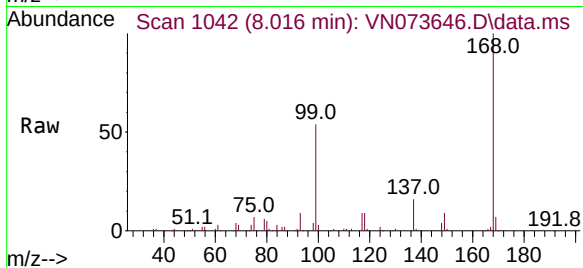




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

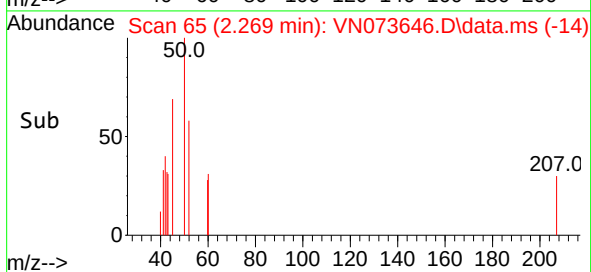
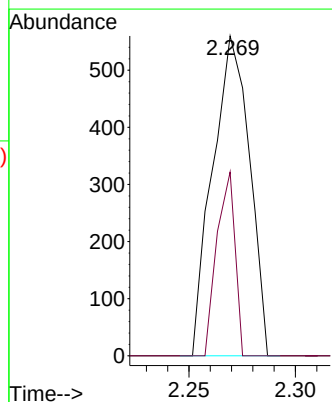
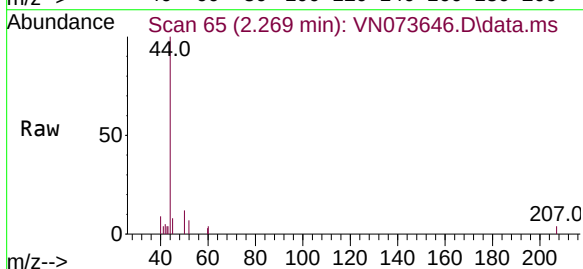
Instrument :
MSVOA_N
ClientSampleId :
SB-B

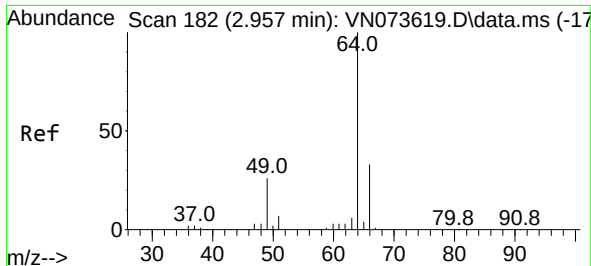
Tgt Ion:168 Resp: 340166
Ion Ratio Lower Upper
168 100
99 54.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 57.5 25.7 38.5#

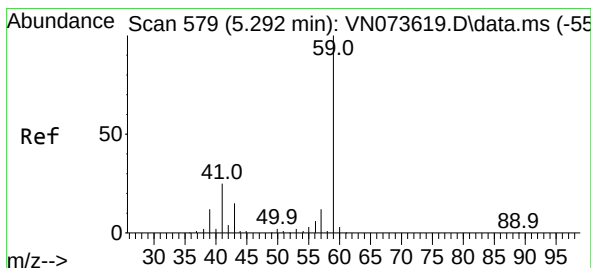
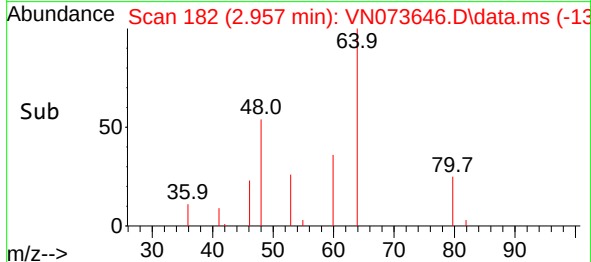
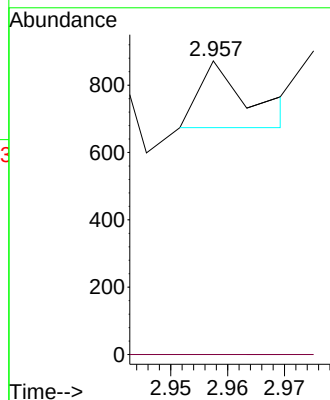
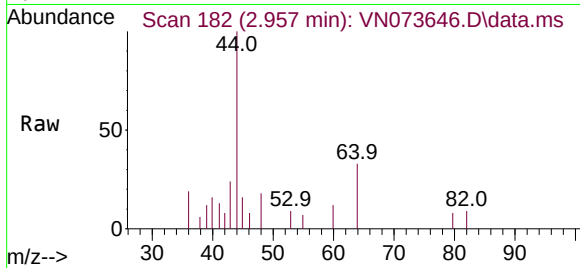




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

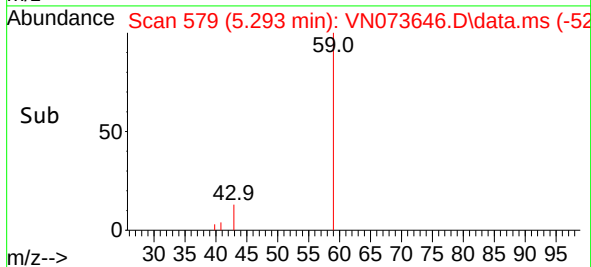
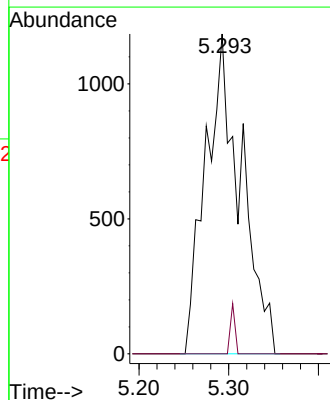
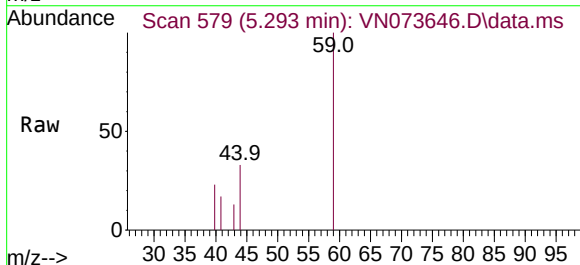
Instrument :
MSVOA_N
ClientSampleId :
SB-B

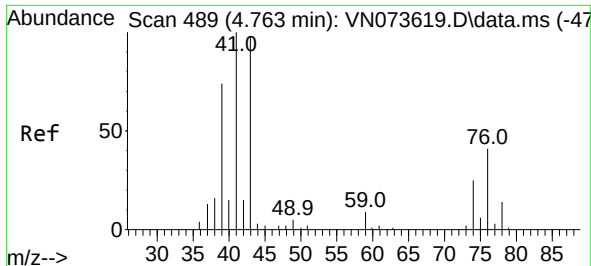
Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.624 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 59 Resp: 3240
Ion Ratio Lower Upper
59 100
57 2.0 8.3 12.5#

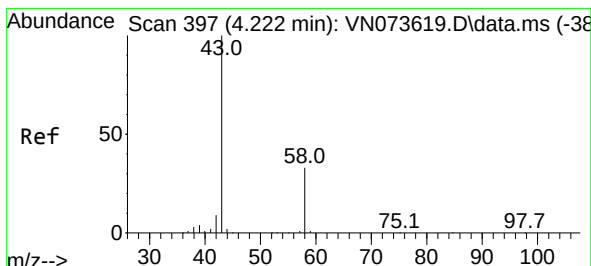
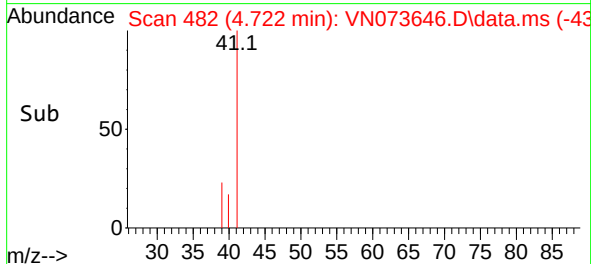
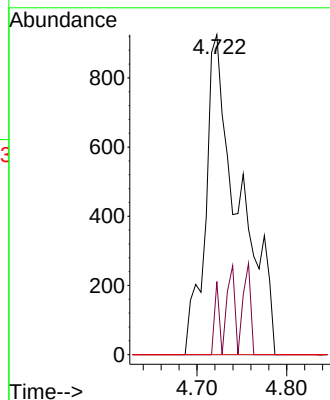
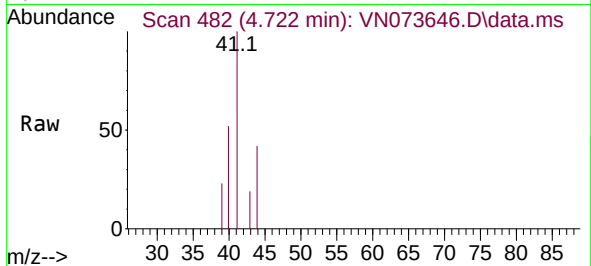




#14
 Allyl chloride
 Concen: 0.465 ug/l
 RT: 4.722 min Scan# 41
 Delta R.T. -0.041 min
 Lab File: VN073646.D
 Acq: 29 Jul 2022 19:51

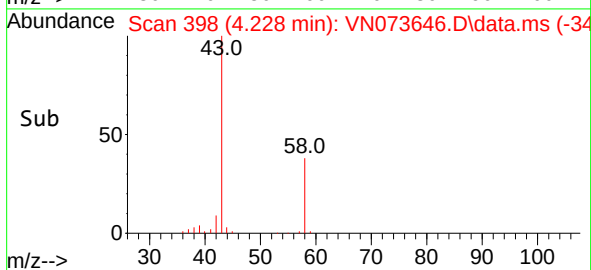
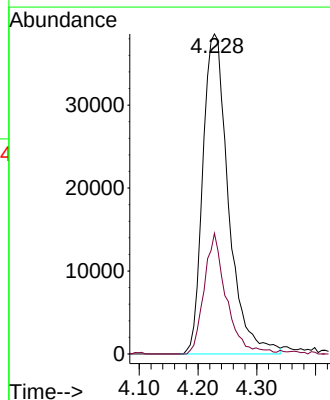
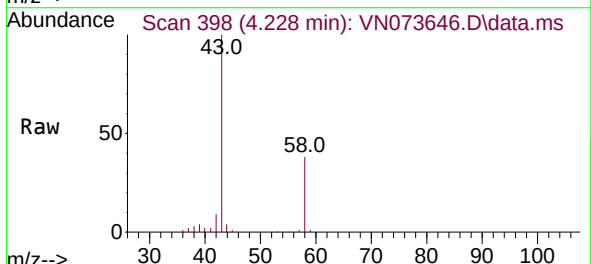
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-B

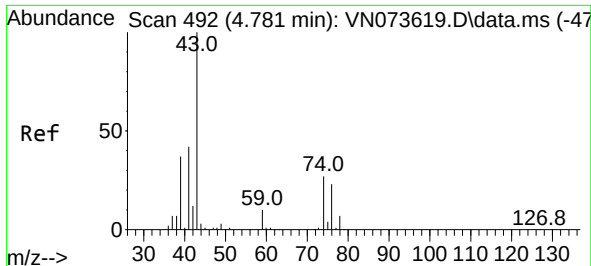
Tgt Ion: 41	Resp: 2398
Ion Ratio	Lower Upper
41 100	
39 9.5	53.2 79.8#
76 0.0	29.9 44.9#



#16
 Acetone
 Concen: 52.454 ug/l
 RT: 4.228 min Scan# 398
 Delta R.T. 0.006 min
 Lab File: VN073646.D
 Acq: 29 Jul 2022 19:51

Tgt Ion: 43	Resp: 116792
Ion Ratio	Lower Upper
43 100	
58 37.7	26.0 39.0

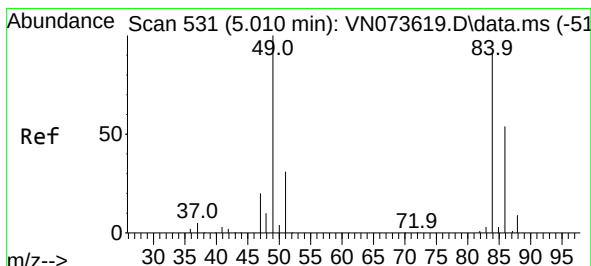
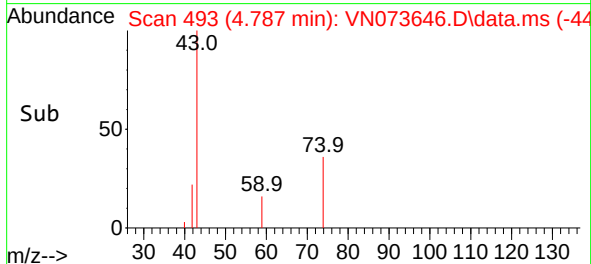
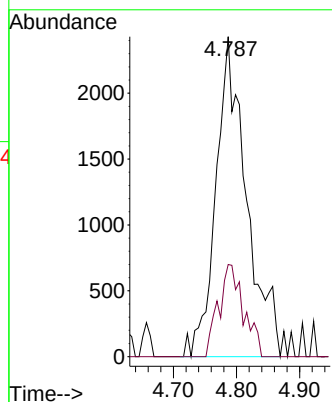
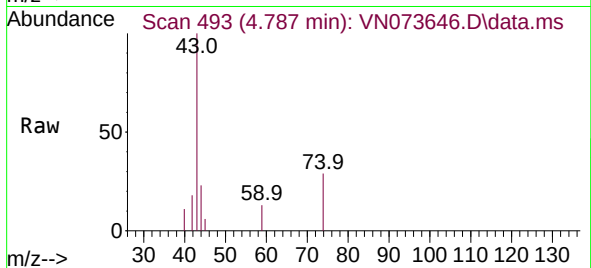




#18
Methyl Acetate
Concen: 1.474 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

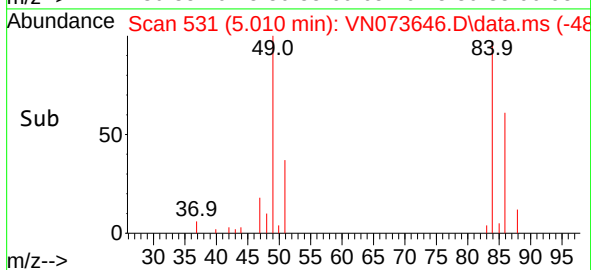
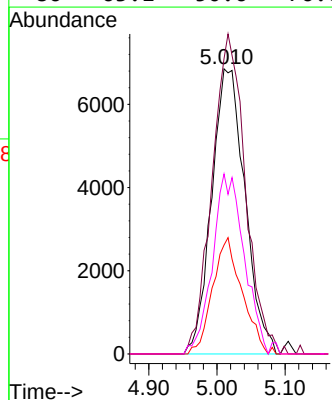
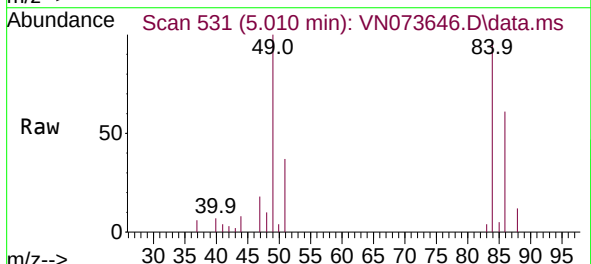
Instrument :
MSVOA_N
ClientSampleId :
SB-B

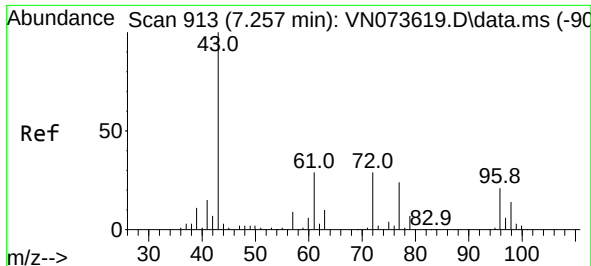
Tgt Ion: 43 Resp: 8166
Ion Ratio Lower Upper
43 100
74 23.6 21.6 32.4



#20
Methylene Chloride
Concen: 4.483 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 84 Resp: 23376
Ion Ratio Lower Upper
84 100
49 103.6 88.3 132.5
51 38.2 28.2 42.2
86 63.1 50.6 76.0





#25

2-Butanone

Concen: 10.123 ug/l

RT: 7.269 min Scan# 915

Delta R.T. 0.012 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

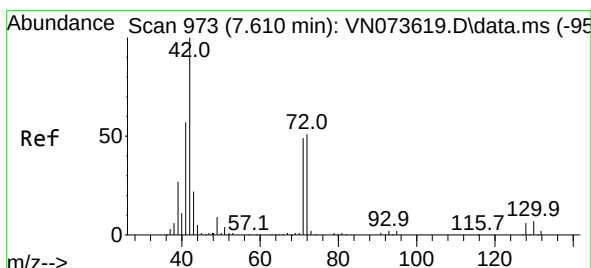
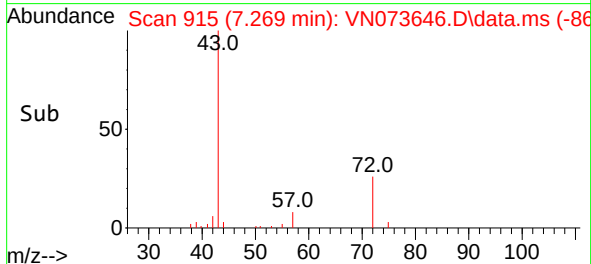
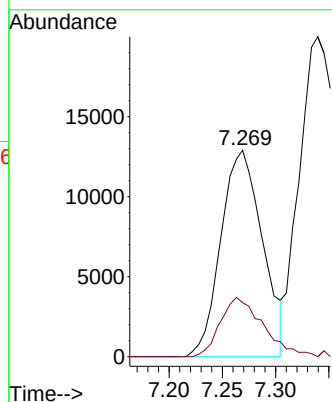
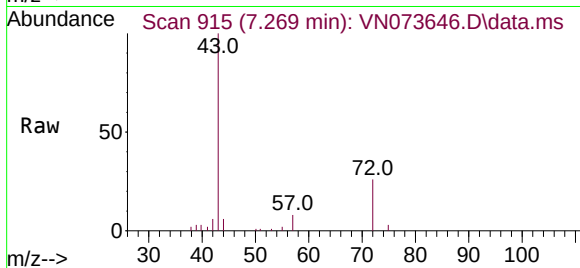
SB-B

Tgt Ion: 43 Resp: 35002

Ion Ratio Lower Upper

43 100

72 26.2 23.7 35.5



#29

Tetrahydrofuran

Concen: 5.498 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

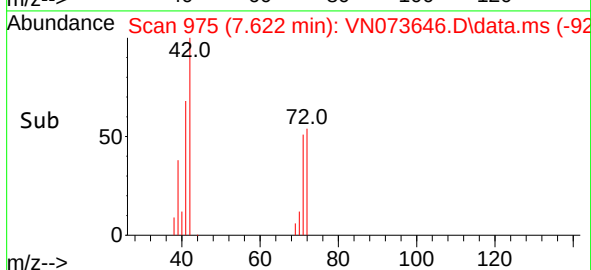
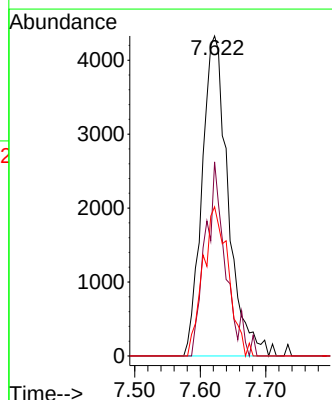
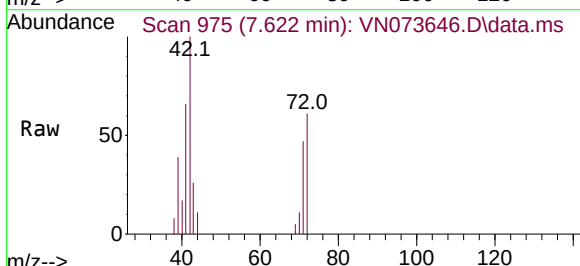
Tgt Ion: 42 Resp: 12019

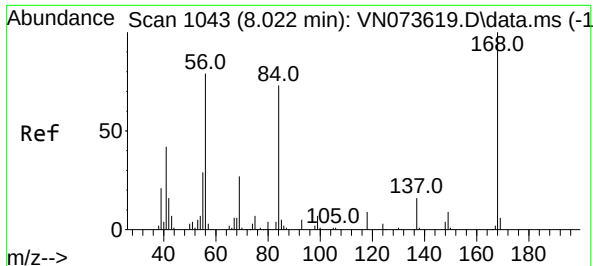
Ion Ratio Lower Upper

42 100

72 46.4 39.7 59.5

71 45.0 36.6 55.0

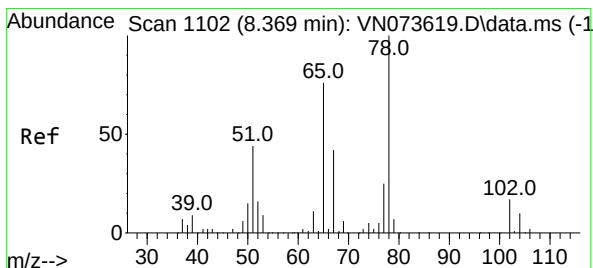
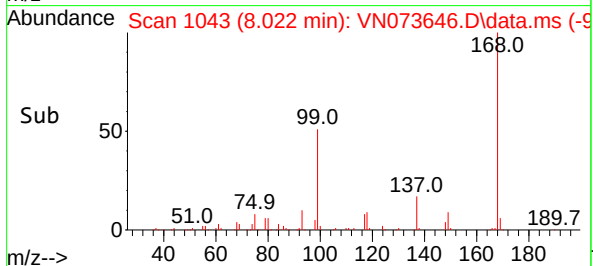
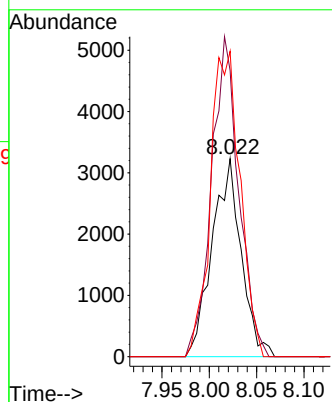
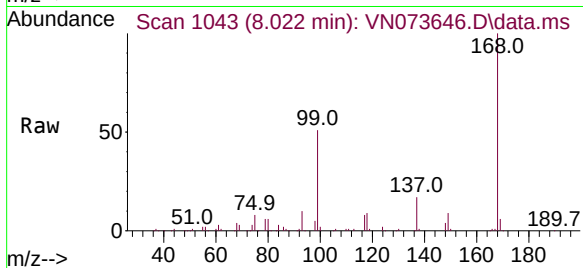




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

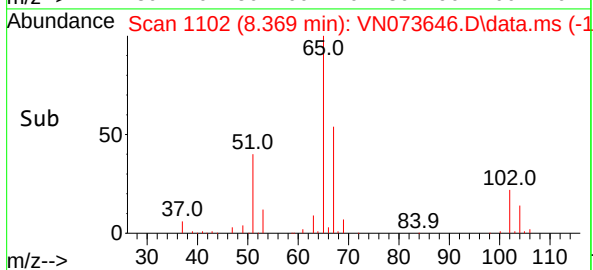
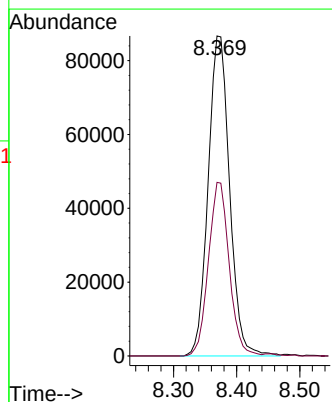
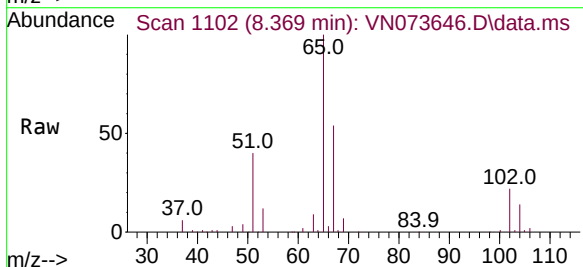
Instrument :
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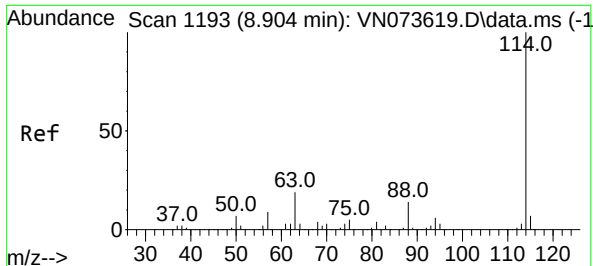
Tgt Ion: 56 Resp: 6891
Ion Ratio Lower Upper
56 100
69 144.4 27.8 41.8#
84 154.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.391 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 65 Resp: 204748
Ion Ratio Lower Upper
65 100
67 52.5 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: VN073646.D

Acq: 29 Jul 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

SB-B

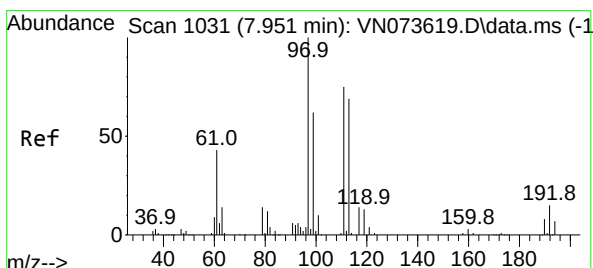
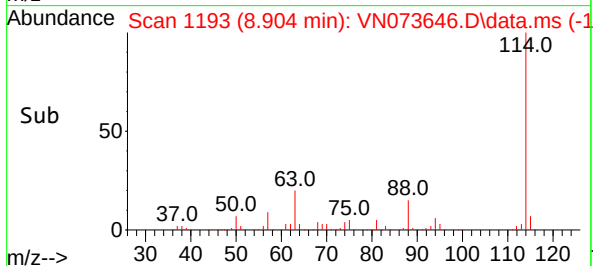
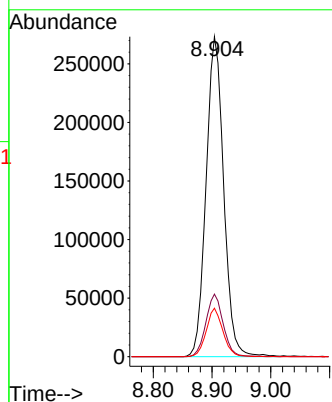
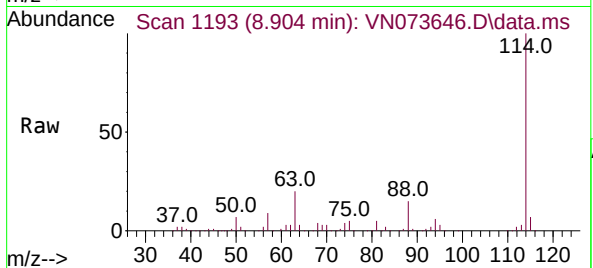
Tgt Ion:114 Resp: 567387

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.940 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

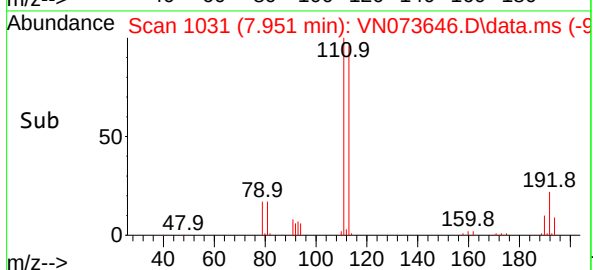
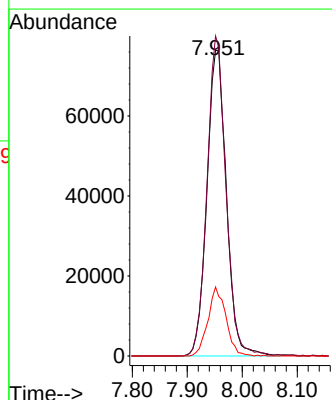
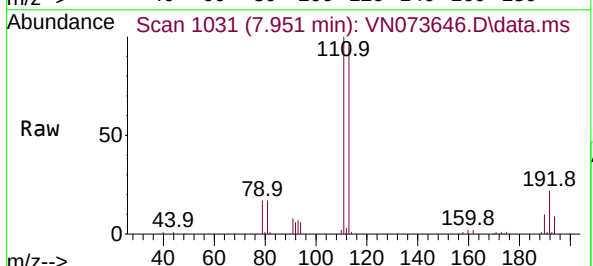
Tgt Ion:113 Resp: 188618

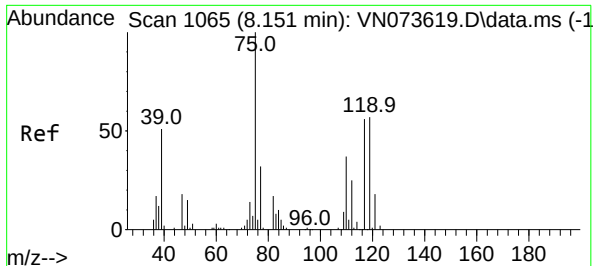
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 20.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

SB-B

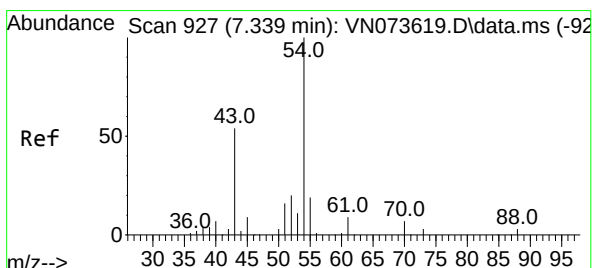
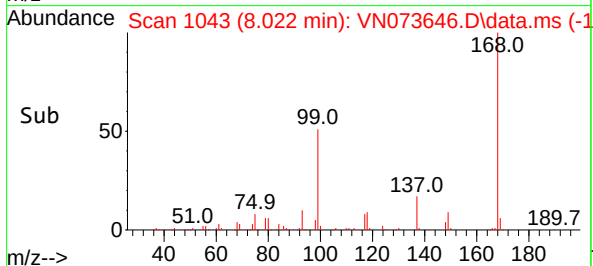
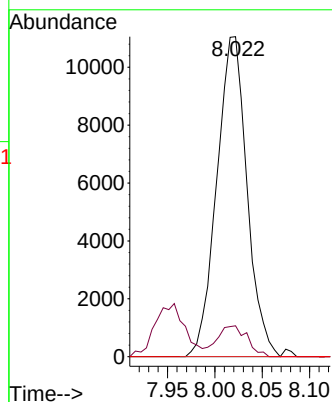
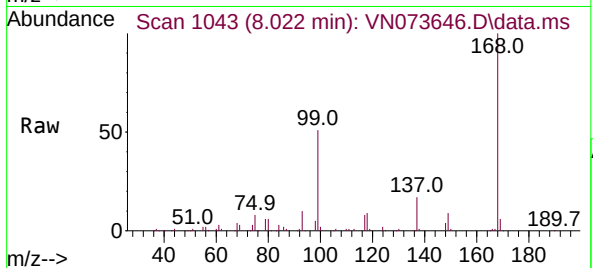
Tgt Ion: 75 Resp: 24596

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.257 ug/l

RT: 7.340 min Scan# 927

Delta R.T. 0.000 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

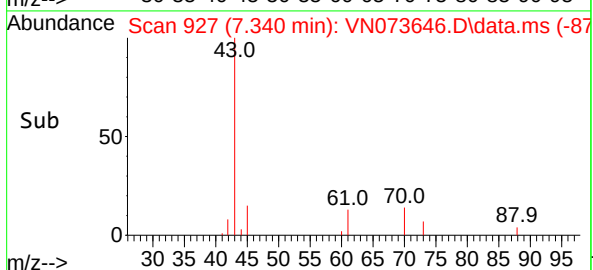
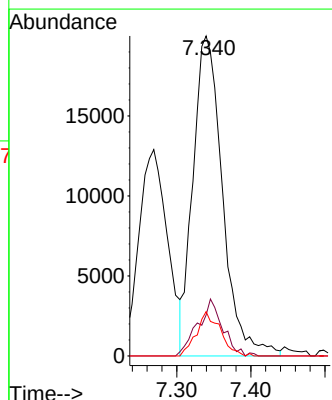
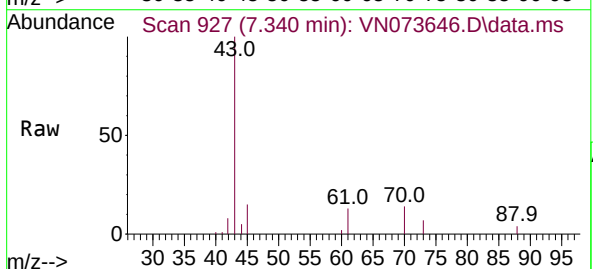
Tgt Ion: 43 Resp: 55219

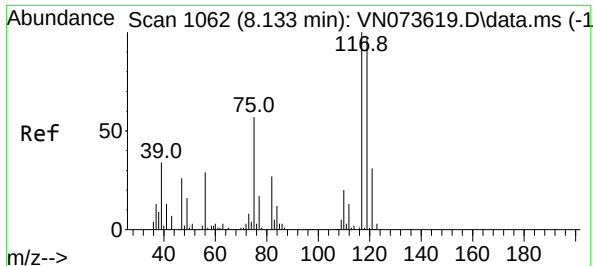
Ion Ratio Lower Upper

43 100

61 15.1 11.8 17.6

70 11.3 9.3 13.9

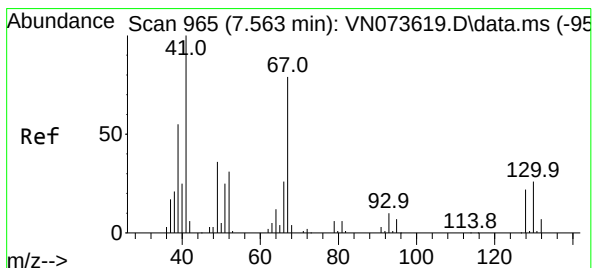
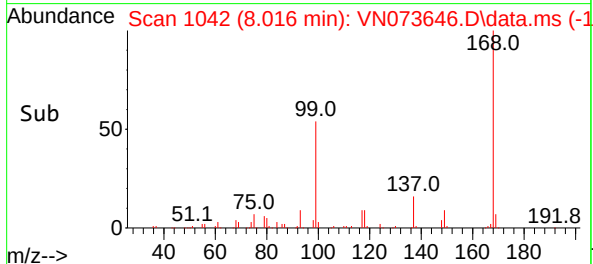
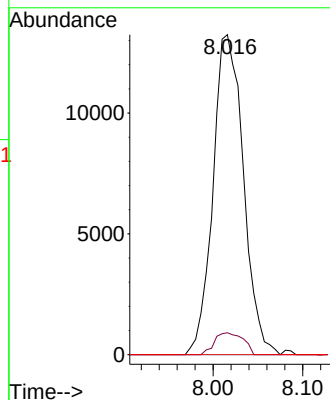
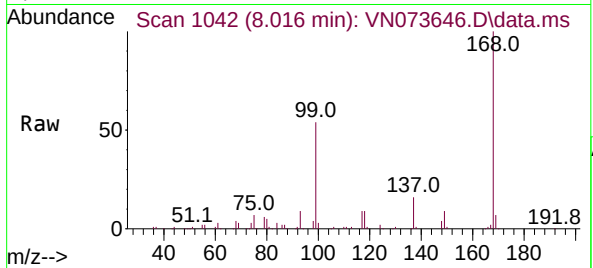




#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

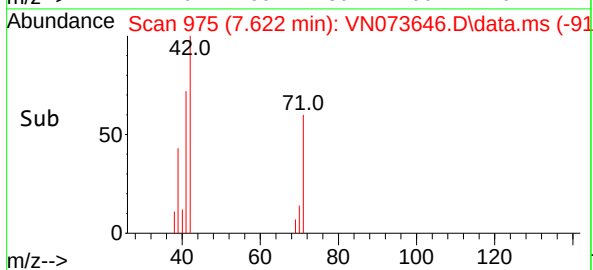
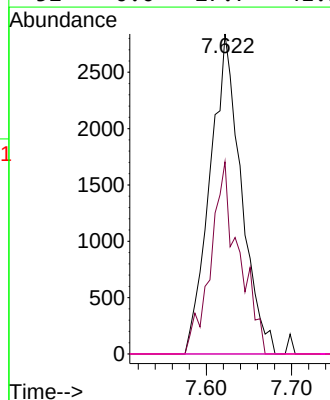
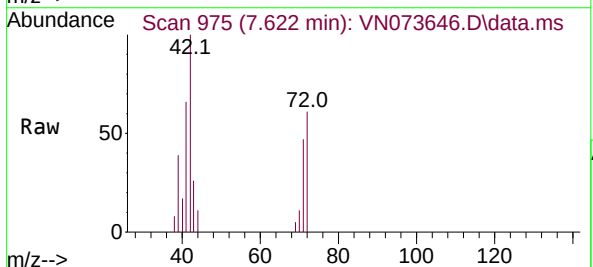
Instrument :
MSVOA_N
ClientSampleId :
SB-B

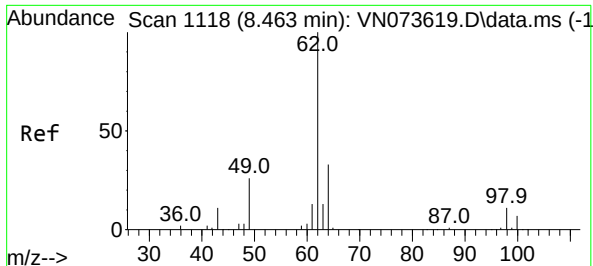
Tgt Ion:117 Resp: 31151
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 2.385 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 41 Resp: 7218
Ion Ratio Lower Upper
41 100
39 54.8 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.250 ug/l

RT: 8.487 min Scan# 1118

Delta R.T. 0.024 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

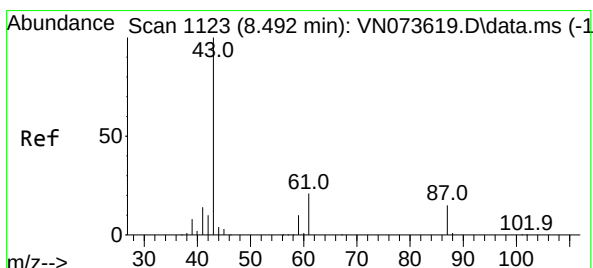
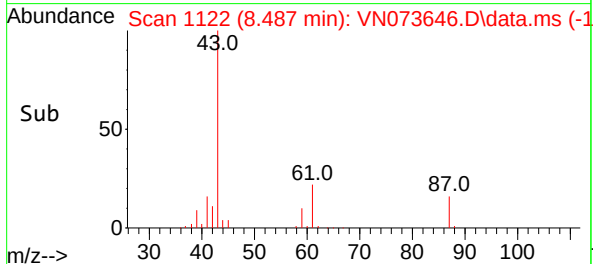
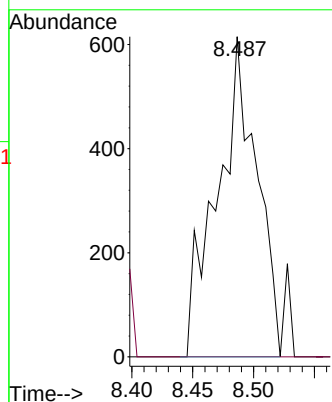
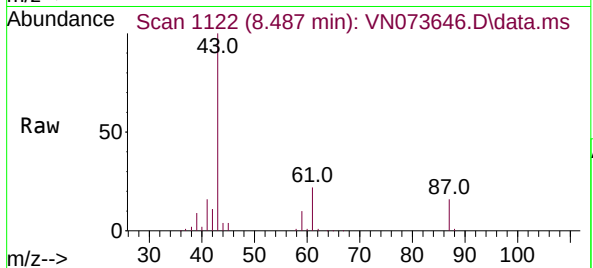
SB-B

Tgt Ion: 62 Resp: 1390

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 23.579 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

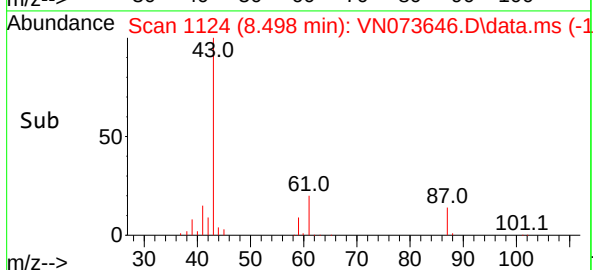
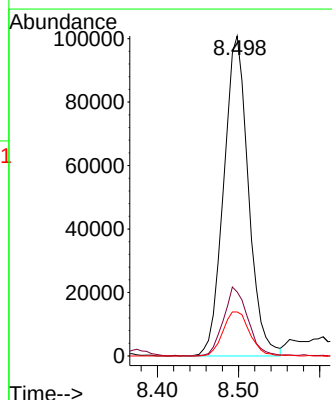
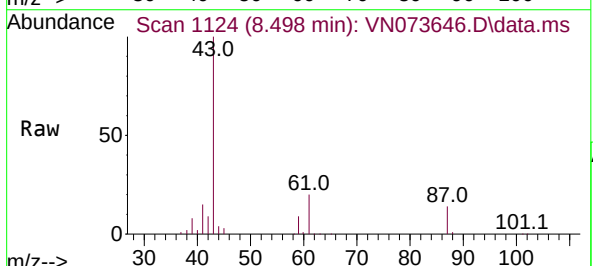
Tgt Ion: 43 Resp: 212983

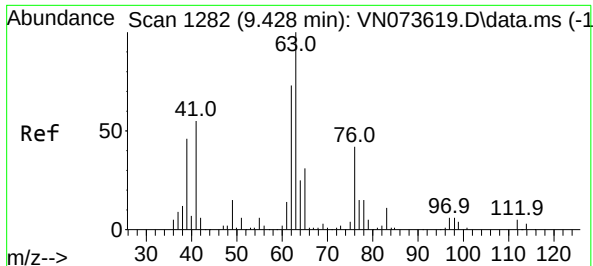
Ion Ratio Lower Upper

43 100

61 21.3 21.9 32.9

87 15.0 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.711 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.141 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

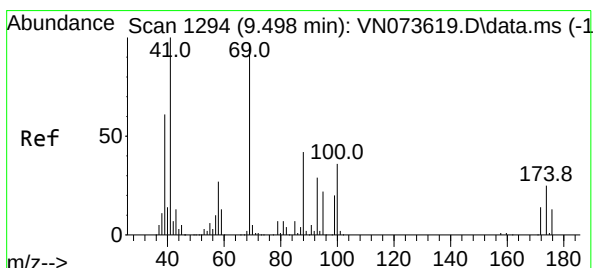
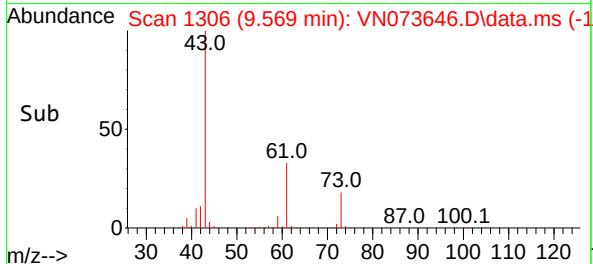
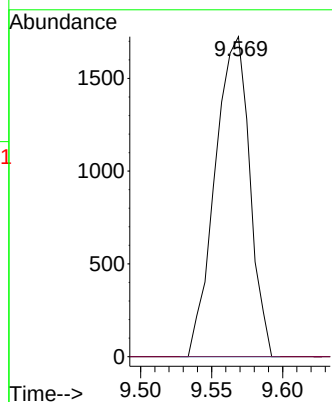
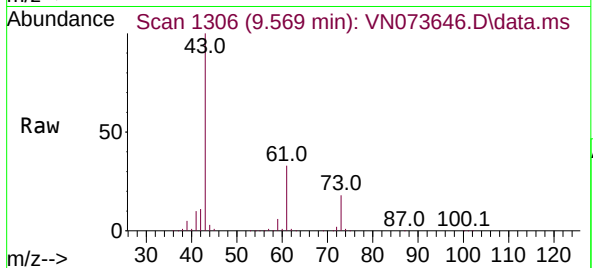
SB-B

Tgt Ion: 63 Resp: 2930

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.938 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

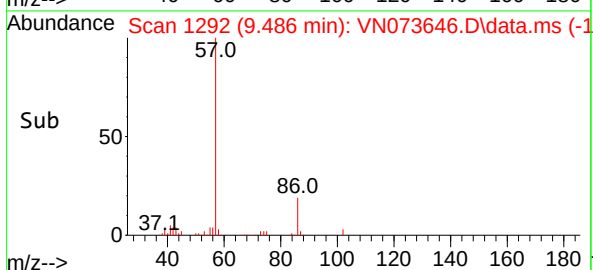
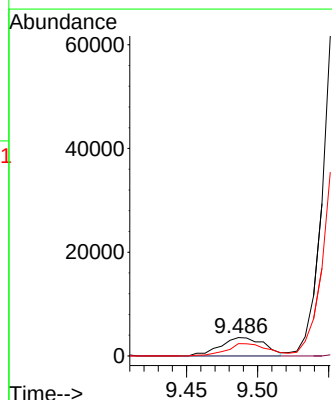
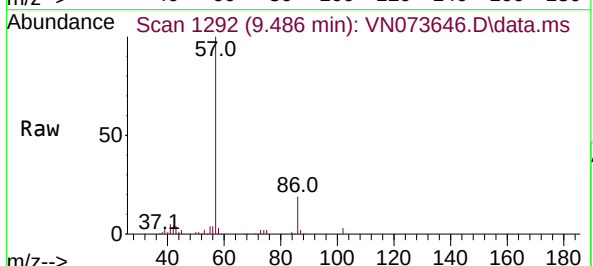
Tgt Ion: 41 Resp: 7663

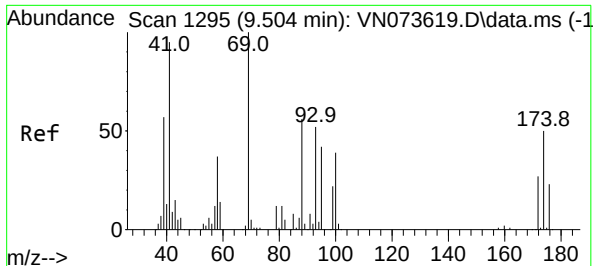
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 63.1 45.6 68.4





#49

1,4-Dioxane

Concen: 4.450 ug/l

RT: 9.516 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VN073646.D

Acq: 29 Jul 2022 19:51

Instrument :

MSVOA_N

ClientSampleId :

SB-B

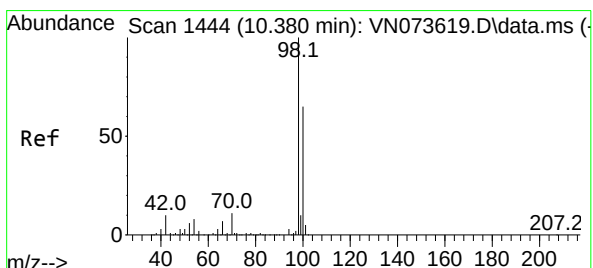
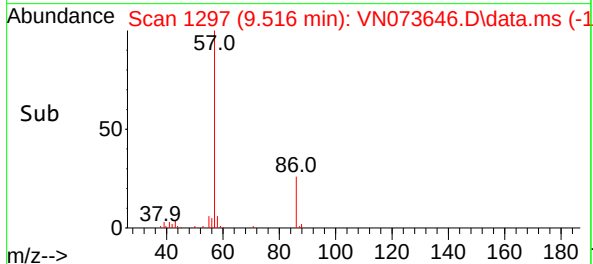
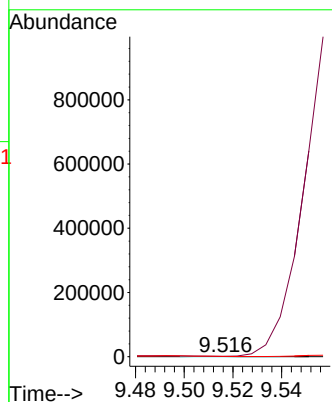
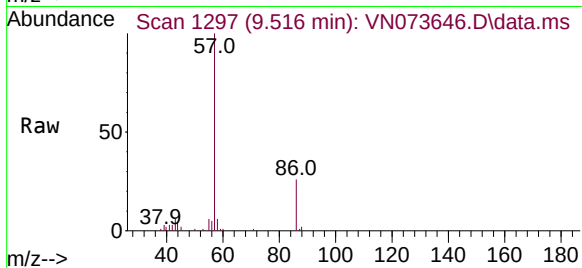
Tgt Ion: 88 Resp: 496

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 47.036 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073646.D

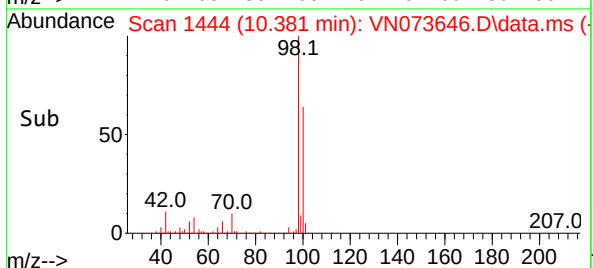
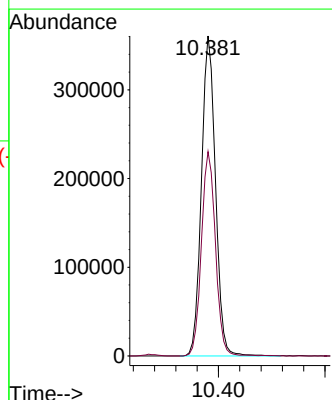
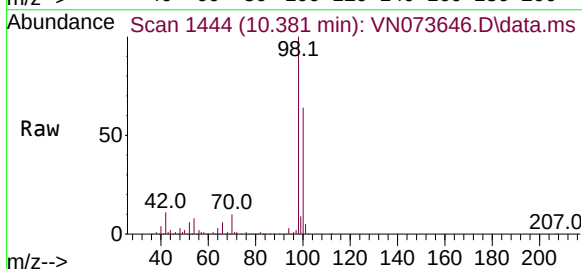
Acq: 29 Jul 2022 19:51

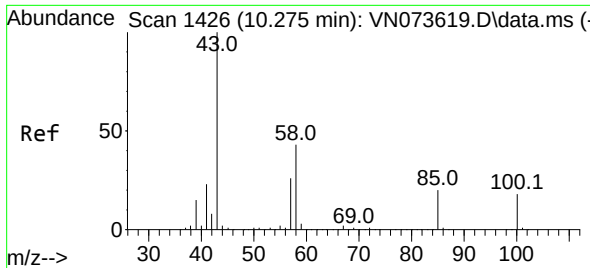
Tgt Ion: 98 Resp: 659459

Ion Ratio Lower Upper

98 100

100 63.9 52.6 78.8

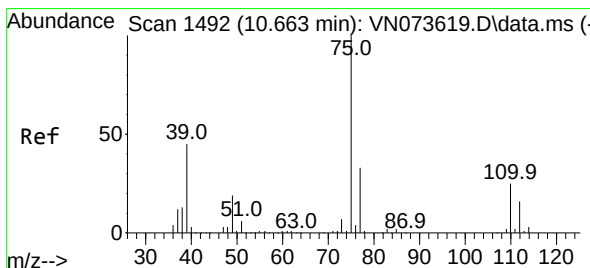
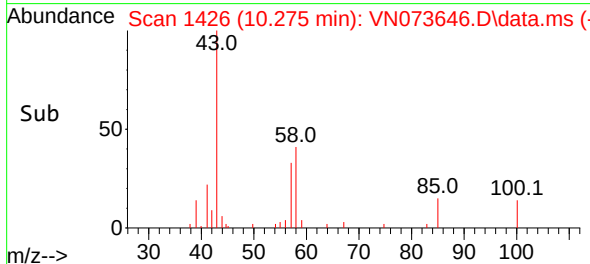
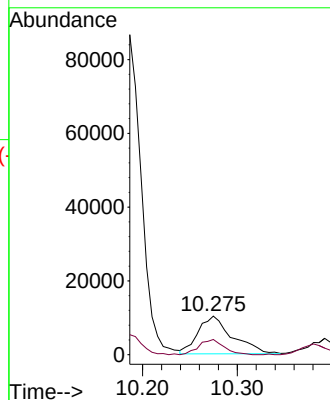
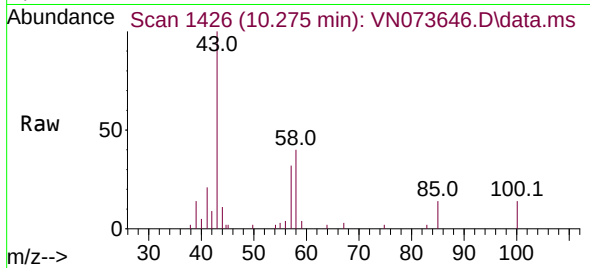




#51
4-Methyl-2-Pentanone
Concen: 3.984 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

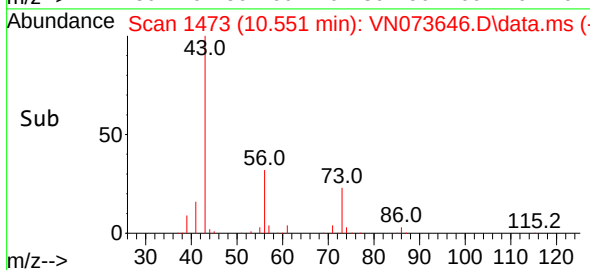
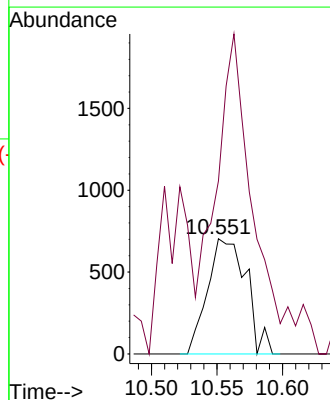
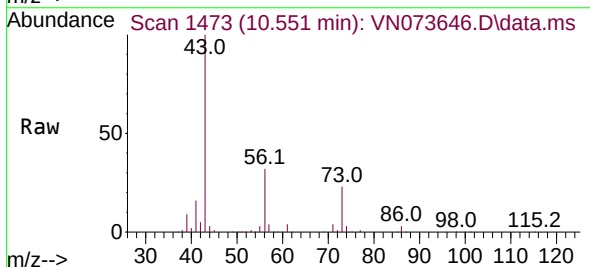
Instrument :
MSVOA_N
ClientSampleId :
SB-B

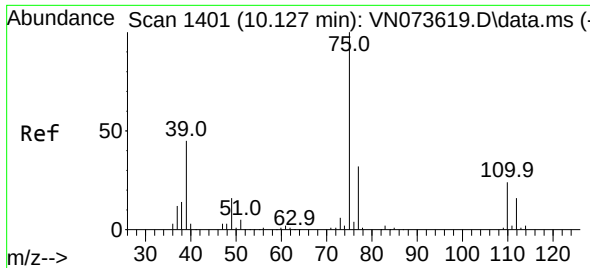
Tgt Ion: 43 Resp: 25813
Ion Ratio Lower Upper
43 100
58 29.3 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.266 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 75 Resp: 1442
Ion Ratio Lower Upper
75 100
77 123.9 25.6 38.4#

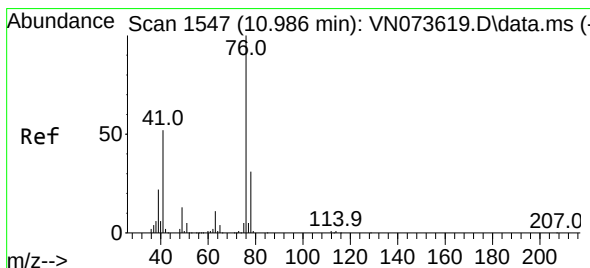
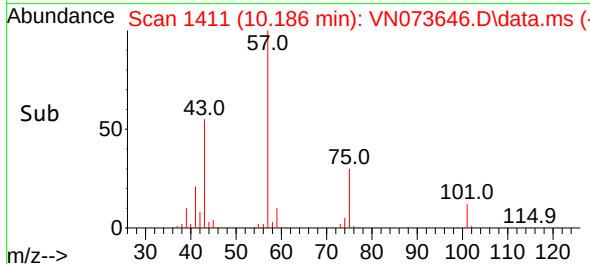
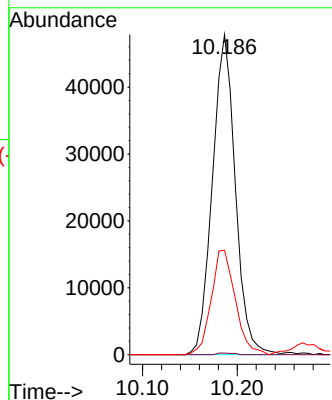
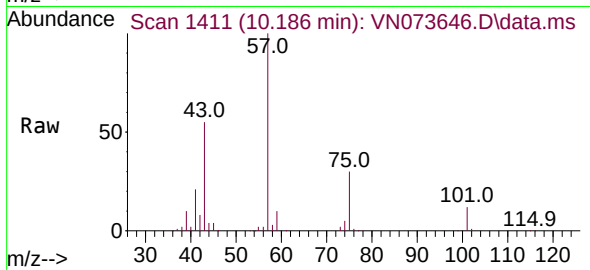




#54
 cis-1,3-Dichloropropene
 Concen: 13.150 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073646.D
 Acq: 29 Jul 2022 19:51

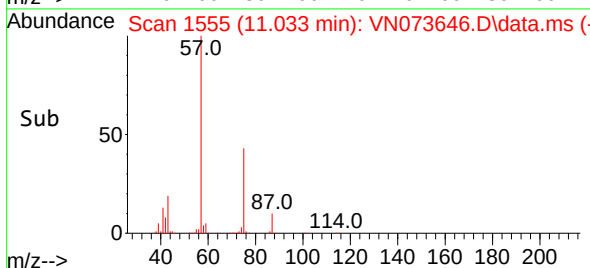
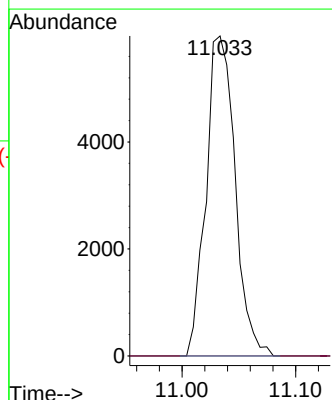
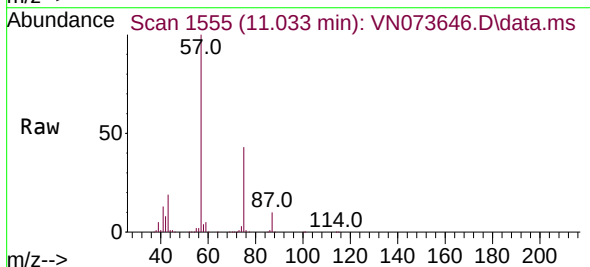
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-B

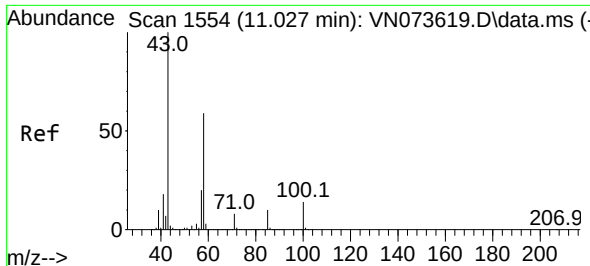
Tgt Ion: 75 Resp: 80376
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 32.7 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.492 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073646.D
 Acq: 29 Jul 2022 19:51

Tgt Ion: 76 Resp: 10633
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

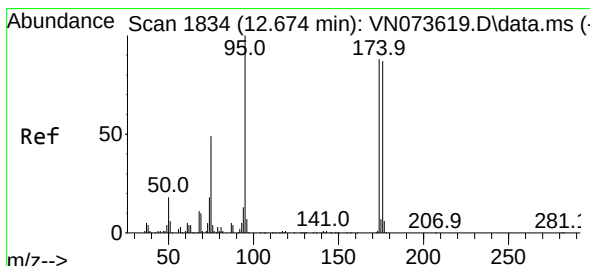
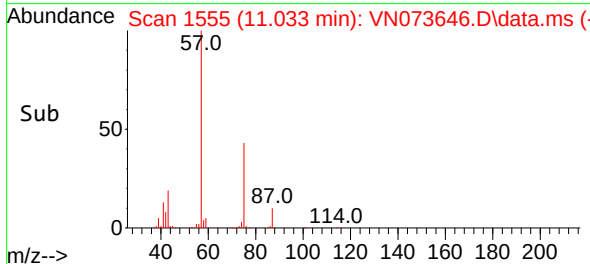
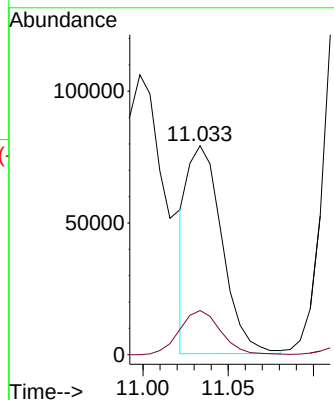
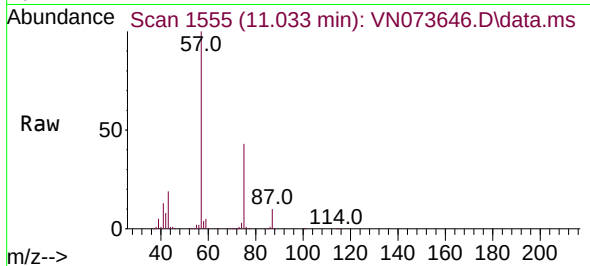




#59
2-Hexanone
Concen: 22.708 ug/l
RT: 11.033 min Scan# 111459
Delta R.T. 0.006 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

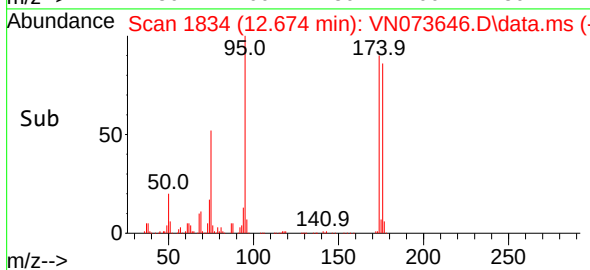
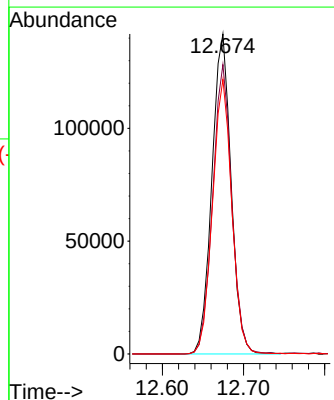
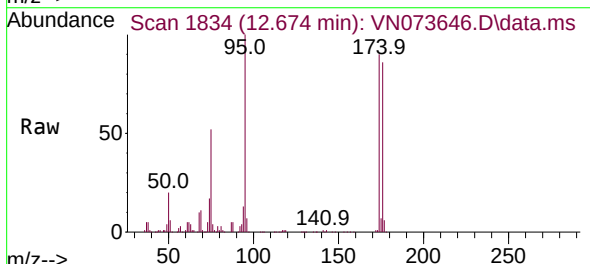
Instrument :
MSVOA_N
ClientSampleId :
SB-B

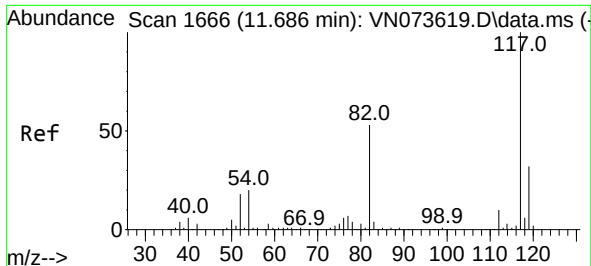
Tgt Ion: 43 Resp: 111459
Ion Ratio Lower Upper
43 100
58 25.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.732 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 95 Resp: 232709
Ion Ratio Lower Upper
95 100
174 89.7 0.0 167.6
176 86.1 0.0 163.4

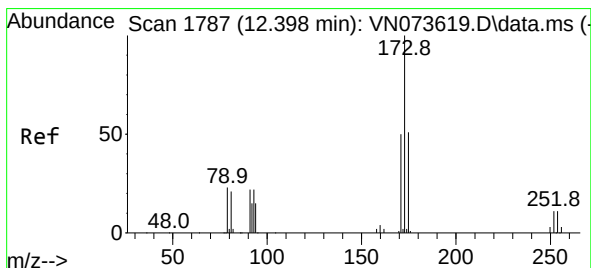
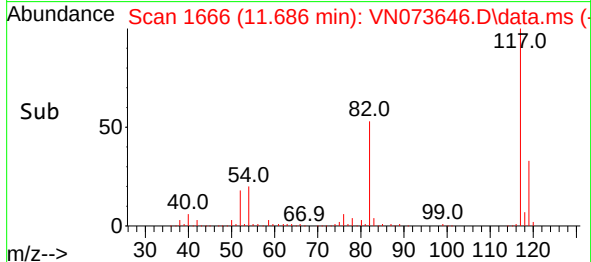
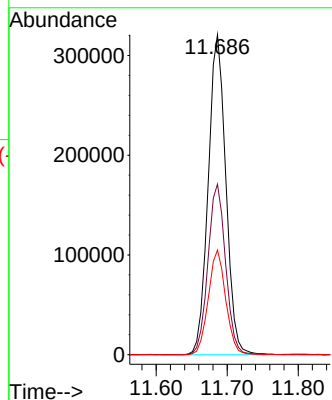
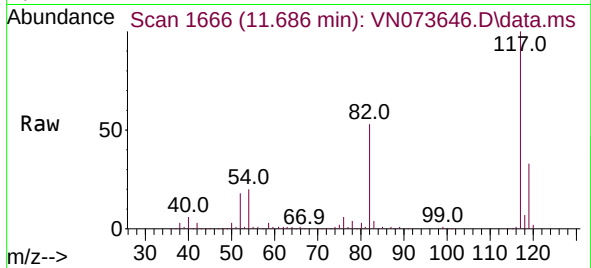




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

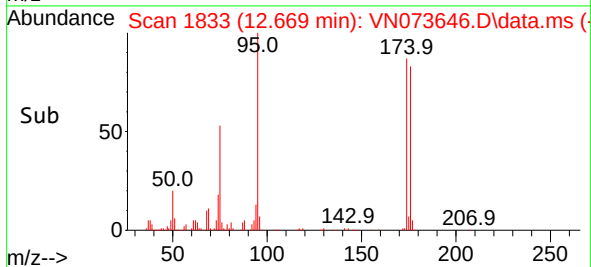
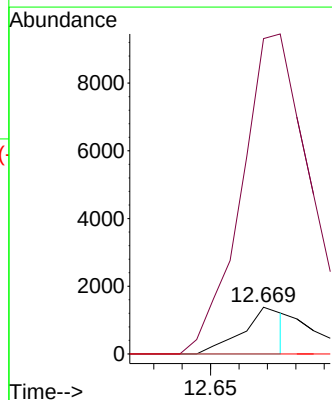
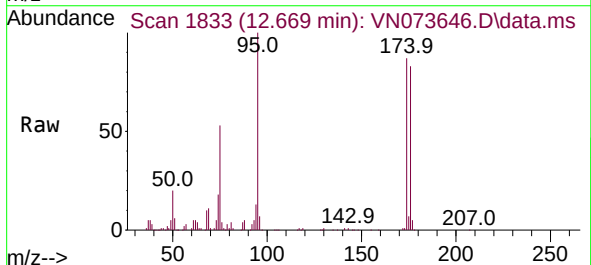
Instrument :
MSVOA_N
ClientSampleId :
SB-B

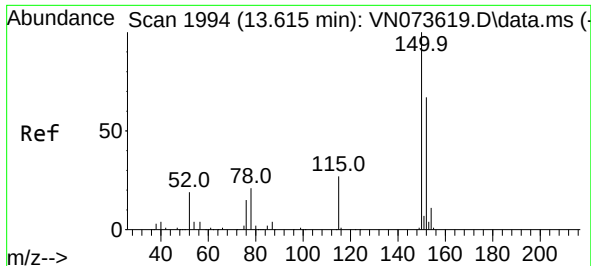
Tgt Ion:117 Resp: 553162
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 32.7 25.4 38.0



#71
Bromoform
Concen: 0.401 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion:173 Resp: 1396
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

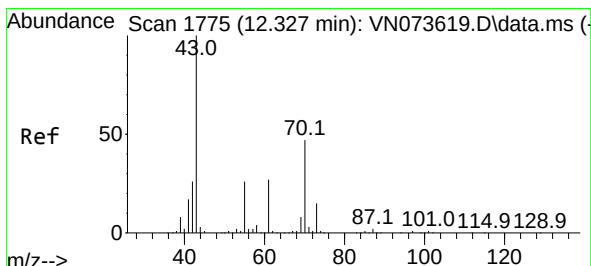
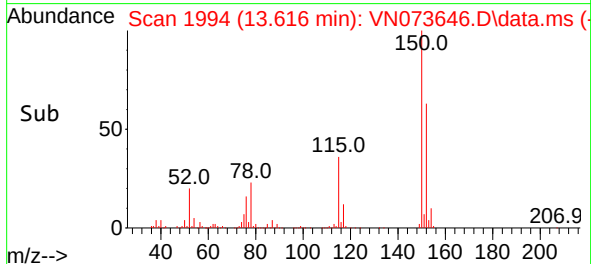
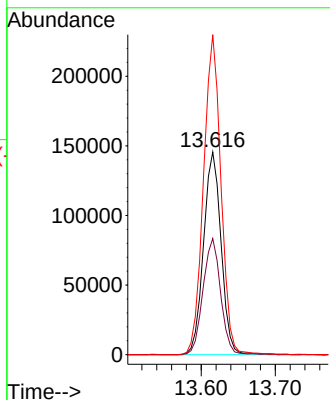
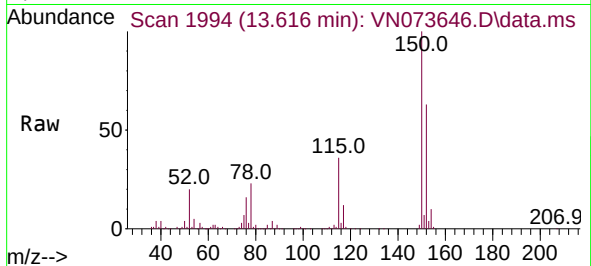




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

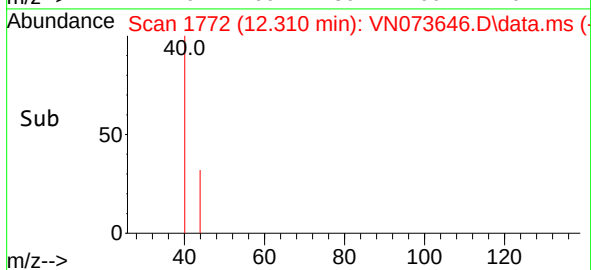
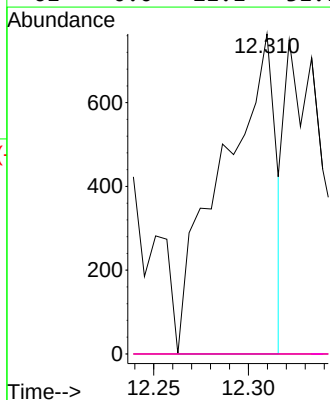
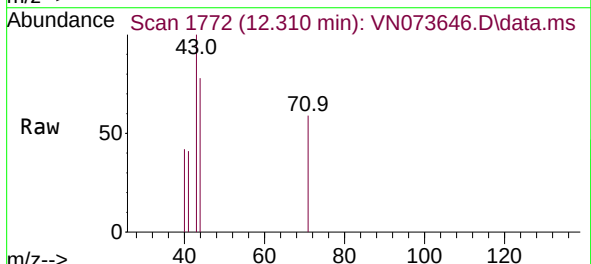
Instrument :
MSVOA_N
ClientSampleId :
SB-B

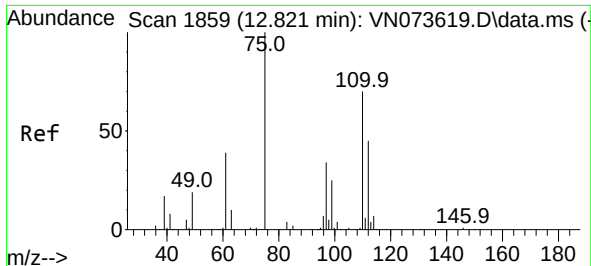
Tgt Ion:152 Resp: 239800
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 157.0 0.0 356.2



#74
N-ethyl acetate
Concen: 0.227 ug/l
RT: 12.310 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 43 Resp: 1507
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

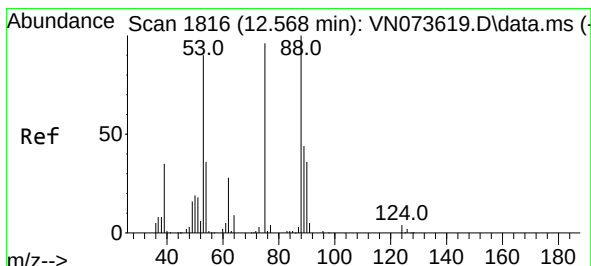
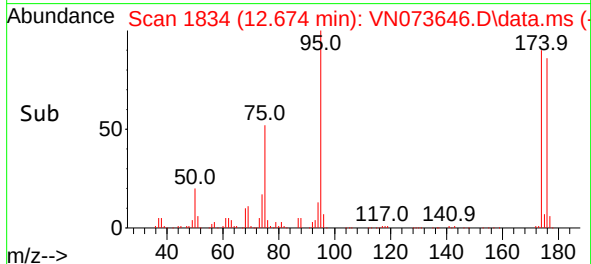
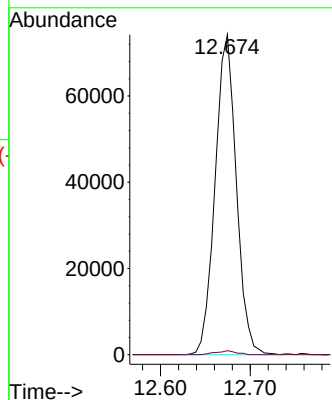
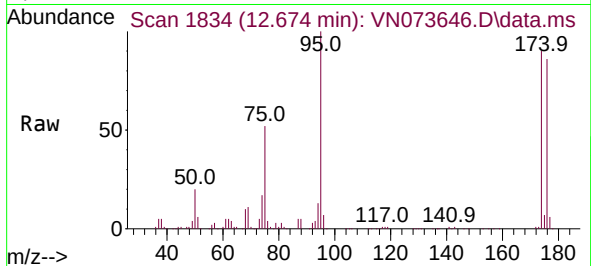




#76
1,2,3-Trichloropropane
Concen: 26.180 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Instrument :
MSVOA_N
ClientSampleId :
SB-B

Tgt Ion: 75 Resp: 121753
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.798 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073646.D
Acq: 29 Jul 2022 19:51

Tgt Ion: 75 Resp: 121753
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

